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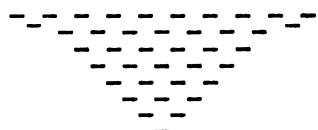
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Diseases

(Enfermedades)

General

5966. ANDERSON, PAUL J. & OTHERS. Check list of diseases of economic plants in the United States. U. S. Department of Agriculture Department Bulletin no. 1366. 1926. 112 p.
Zea mays, p. 108.
5967. BAKER, R. E. D. Notes on some diseases of field crops, vegetables and fruits at the Imperial College of Tropical Agriculture. Tropical Agriculture (Trinidad) 20(2):28-32. Feb. 1943.
Zea mays, pp. 28-29.
5968. BOEWE, G. H. Rosen's bacterial stalk rot vs. Elliott's Pythium stalk rot of corn. Plant Disease Reporter 33(11):441. Nov. 15, 1949.
5969. BOURIQUET, G. Les maladies des plantes cultivées à Madagascar. Paris, Paul Lechevalier, Editeur, 1946. 545 p.
Enfermedades de maíz, pp. 304-307.
5970. BROWN, J. G. & STREETS, R. B. Diseases of field crops in Arizona. Arizona Agricultural Experiment Station Bulletin no. 148:83-228. 1934.
Corn, pp. 135-143.
5971. BUCHHOLTZ, W. F. & WALLIN, J. R. Plant pathological investigation in the United States. IV. Plant disease research and extension in Iowa. Plant Disease Reporter Supplement 203:95-107. June 1951.
Corn diseases, pp. 96-97, 98, 102.
5972. BURRILL, THOMAS J. & BARRETT, JAMES T. Ear rots of corn. Illinois Agricultural Experiment Station Bulletin no. 133:63-109. 1909.
5973. CERVANTES, JAVIER. Las enfermedades del maíz en México. En Reunión Centroamericana sobre el Mejoramiento del Maíz, 1^a, Turrialba, C. R., 1954. Proyecto Cooperativo Centroamericano. Turrialba, C. R., Instituto Interamericano de Ciencias Agrícolas, 1954. pp. 312-317.
5974. CLINTON, G. P. New or unusual plant injuries and diseases found in Connecticut, 1916-1919. Connecticut Agricultural Experiment Station Bulletin 222:397-482. 1920.
Corn diseases, pp. 425-432.

5975. CLINTON, G. P. Plant pest handbook for Connecticut. II. Diseases and injuries. Connecticut Agricultural Experiment Station Bulletin 358:153-329. 1934.
Corn diseases, pp. 190-191.
5976. COCHRANE, VINCENT W. The role of plant residues in the etiology of root rot. Phytopathology 38(3):185-196. Mar. 1948.
5977. COOK, MELVILLE T. & HELYAR, J. P. Diseases of grains and forage crops. New Jersey Agricultural Experiment Station Circular 51. 1915. 8 p.
Corn, pp. 5-6.
5978. _____ & HELYAR, J. P. Diseases of grains and forage crops. New Jersey Agricultural Experiment Station Circular 102. 1918. 16 p.
Corn, pp. 6-8, 9.
5979. CRANDALL, BOWEN S. & OTROS. Manual de enfermedades de cultivos tropicales. El Salvador, Centro Nacional de Agronomía, Boletín Técnico no. 9. 1951. 63 p.
Maíz, p. 45.
5980. DICKSON, JAMES G. Diseases of field crops. New York, McGraw-Hill Book Co., 1947. 429 p.
Corn diseases, pp. 65-98.
5981. DISTRIBUTION, symptoms and control of some of the more important plant diseases. Plant Disease Reporter Supplement 221. Oct. 15, 1953. 181 p.
Corn diseases, pp. 108-112, 117.
5982. DURRELL, L. W. A preliminary study of the purple leaf sheath spot of corn. Phytopathology 10(11):487-495. Nov. 1920.
5983. _____ The purple sheath spot of corn. (Abstract) Phytopathology 10(1):54-55. Jan. 1920.
5984. EDDINS, A. H. Corn diseases in Florida. Florida Agricultural Experiment Station Bulletin 210. 1930. 35 p.
5985. ELLETT, C. W. Leaf blight of corn. Phytopathology 33(5):407-408. May 1943.
Bacterial and Helminthosporium leaf blights.
5986. FENAROLI, L. Technical problems of corn growing in Italy. Euphytica 7(3):228-236. Oct. 1958.
5987. HANSFORD, C. G. Diseases of maize. In Tothill, J. D. Agriculture in Uganda. Oxford, Oxford University Press, 1940. pp. 153-154.

5988. HERD, G. W. Maize diseases during the 1954/55 season. Rhodesia Agricultural Journal 53(4):525-537. July-Aug. 1956.
Puccinia polysora, Helminthosporium turcicum & streak virus.
5989. HOLBERT, JAMES R. & OTHERS. Corn root, stalk, and ear rot diseases, and their control thru seed selection and breeding. Illinois Agricultural Experiment Station Bulletin no. 255:235-478. 1924.
5990. JEHLE, R. A., OLDENBURG, F. W. & TEMPLE, C. E. The relation of internal cob-discoloration to yield in corn; five years' results. Maryland Agricultural Experiment Station Bulletin no. 290:176-196. 1927.
5991. _____, OLDENBURG, F. W. & TEMPLE, C. E. Relation of internal cob discoloration to yield in corn. Phytopathology 16(3):207-215. Mar. 1926.
5992. _____, OLDENBURG, F. W. & TEMPLE, C. E. Relation of internal cob-discoloration to yield in corn. (Second progress report). (Abstract) Phytopathology 15(1):52. Jan. 1925.
5993. _____, OLDENBURG, F. W. & TEMPLE, C. E. Results of five years' selection for freedom from internal cob-discoloration in corn. (Abstract) Phytopathology 16(9):639. Sept. 1926.
5994. KOEHLER, BENJAMIN. Correlation between resistance to Stewart's leaf blight and Northern leaf blight in corn. Plant Disease Reporter 39(2):164-165. Feb. 15, 1955.
Helminthosporium turcicum, Bacterium stewartii.
5995. _____ Seed treatments for farm crops. Illinois Agricultural Experiment Station Circular 444, rev. 1940. 19 p.
Corn, pp. 4-8, 19.
5996. _____ & HOLBERT, JAMES R. Combating corn diseases. Illinois Agricultural Experiment Station Circular 484. 1938. 35 p.
5997. _____ & HOLBERT, JAMES R. The control of corn diseases in Illinois. Illinois Agricultural Experiment Station Circular 364. 1931. 27 p.
5998. _____ & HOLBERT, JAMES R. Corn diseases in Illinois; their extent, nature, and control. Illinois Agricultural Experiment Station Bulletin 354. 1930. 164 p.
5999. McKEEN, W. E. Preliminary studies of root and basal stalk rot of maturing corn in Ontario. Canadian Journal of Botany 31(1):132-141. Jan. 1953.
Fungi and bacteria.



6000. McKEEN, W. E. A seed-borne disease of corn. Plant Disease Reporter 36(4):145-146. April 15, 1952.
6001. MARTYN, E. B. Diseases of plants in Jamaica. Jamaica Department of Science & Agriculture Bulletin no. 32 (N.S.) 1942. 34 p. Corn diseases, p. 20.
6002. MELHUS, IRVING E. A preliminary study of the diseases of corn and some related hosts in Guatemala. Iowa State College. Journal of Science 27(4):519-536. July 1953.
6003. MILLER, PAUL R. Stalk rots on corn. Agricultural Chemicals 4(10):47. Oct. 1949.
6004. MULLER, ALBERT S. Corn diseases in Guatemala. Iowa Agricultural Experiment Station Research Bulletin 371:597-602. 1949. Resumen en español, pp. 601-602.
6005. MUNCIE, J. H. Common diseases of cereals in Michigan. Michigan Agricultural Experiment Station Circular Bulletin no. 142. 1932. 54 p. Corn diseases, pp. 44-54.
6006. NANCE, NELLIE W., COMP. Some new or unusual records and outstanding features of plant disease development in the United States in 1951. Plant Disease Reporter Supplement 214:142-162. Aug. 1952. Corn diseases, pp. 144, 151.
6007. _____ Some new and important plant disease occurrences and developments in the United States in 1953. Plant Disease Reporter Supplement 229:122-154. Dec. 1954. Corn diseases, pp. 126, 136.
6008. _____ Some new and important plant disease occurrences and developments in the United States in 1954. Plant Disease Reporter Supplement 235:136-175. Dec. 15, 1955. Corn diseases, p. 154.
6009. _____ Some new and important plant disease occurrences and developments in the United States in 1955. Plant Disease Reporter Supplement 241:196-229. Dec. 1956. Corn diseases, pp. 205, 212-213.
6010. NIEDERHAUSER, JOHN S. Enfermedades del maíz en México. México, Secretaría de Agricultura y Ganadería, Oficina de Estudios Especiales, Folleto de Divulgación no. 9. 1949. 39 p. English summary. Extractos aparecen en: Tierra (México) 5(3):157-159, 182-184; (4):218-220, 246-251. Abril, Mayo 1950. Agronomía (México) no. 11:3, 7-8; no. 12:4-6. Julio-Agosto, Sept.-Oct. 1950.

6011. NIEDERHAUSER, JOHN S. Enfermedades del maíz en México y variedades resistentes. En Asamblea Latinoamericana de Fitogenetistas, 1^a, México, D. F., 1949. Trabajos presentados. México, Secretaría de Agricultura y Ganadería, Oficina de Estudios Especiales, Folleto Misceláneo no. 3. 1950. pp. 232-235.
6012. _____ Plática sobre enfermedades en el maíz. En Reunión Centroamericana sobre Mejoramiento del Maíz, 3^a, Antigua, Guatemala, 1956. Proyecto Cooperativo Centroamericano. Turrialba, C. R., Instituto Interamericano de Ciencias Agrícolas, 1956. pp. 109-121.
6013. ORTON, C. R. Seed-borne parasites, a bibliography. West Virginia Agricultural Experiment Station Bulletin 245. 1931. 47 p. Corn diseases, pp. 16-18.
6014. PADDOCK, WILLIAM C. & BERGER, CARLOS C. Las enfermedades del maíz en Guatemala. En Guatemala. Ministerio de Agricultura. Servicio Cooperativo Interamericano de Agricultura. Maíz para Guatemala; reporte anual para 1956, Sección: Mejoramiento de Maíz. "La Aurora", 1957? pp. 31-38.
6015. PAMMEL, L. H. & WEEMS, J. B. Grasses of Iowa. Iowa Agricultural Experiment Station Bulletin 54:70-344. 1901. Corn diseases, pp. 280-282, 286-297, 301-302, 316-319, 335-341.
6016. REDDY, C. S., HOLBERT, J. R. & ERWIN, A. T. Seed treatments for sweet-corn diseases. Journal of Agricultural Research 33(8):769-779. Oct. 15, 1926.
6017. ROANE, CURTIS W. Observations on corn diseases in Virginia from 1947 to 1950. Plant Disease Reporter 34(12):394-396. Dec. 15, 1950.
6018. ROBERT, ALICE L. Some of the leaf blights of corn. In U. S. Department of Agriculture. Plant diseases, yearbook of agriculture, 1953. Washington, D. C., U. S. Government Printing Office, 1953. pp. 380-385.
6019. SEMENIUK, GEORGE & VESTAL, EDGAR F. Leaf diseases of corn in Iowa in 1951. Plant Disease Reporter 36(5):171-177. May 15, 1952.
6020. SMITH, RALPH E. Diseases of field crops. California College of Agriculture Extension Service Circular 121. 1941. 79 p. Corn diseases, pp. 38-40.
6021. SOBERON, HERMINIA. Enfermedades del maíz. Fitófilo (México) 8(12):22-31. Oct.-Nov.-Dic. 1955. También en Campo (México) 24(805):45-46, 48, 50, 52-56, 58. Mar. 1959.

6022. SWEET CORN, variety test, 1944. New Jersey Agricultural Experiment Station. Plant Disease Notes 22(2):5-8. Feb. 1945.
6023. TAYLOR, GORDON STEVENS. Stalk-rot development in corn following the European corn borer. (Abstract) Phytopathology 42(1):20-21. Jan. 1951.
Abstract also appears in Iowa State College. Journal of Science 27(2):265-266. Jan. 1953.
6024. THOROLD, C. A. Diseases of cereal crops in Kenya Colony. Kenya Colony and Protectorate Department of Agriculture Bulletin no. 2. 1935. 66 p.
Maize diseases, pp. 1-22.
6025. TIDD, J. S. Diseases of corn in Illinois. Plant Disease Reporter 28(29):900-901. Sept. 15, 1944.
6026. TIEMANN, O. P. Physical characteristics of disease-free seed corn. American Society of Agronomy. Journal 16(1):37-40. Jan. 1924.
6027. ULLSTRUP, ARNOLD J. Corn diseases in Indiana in 1949. Plant Disease Reporter 34(4):98-99. Apr. 15, 1950.
6028. _____ Diseases of corn. In Sprague, George F., ed. Corn and corn improvement. New York, Academic Press, 1955. pp. 465-536. (Agronomy, vol. 5)
6029. _____ Diseases of dent corn in Indiana. Indiana (Purdue) Agricultural Experiment Station Circular 280. 1943. 20 p.
6030. _____ Diseases of dent corn in Indiana. Indiana (Purdue) Agricultural Experiment Station Circular 359. 1950. 27 p.
6031. _____ Diseases of dent corn in the United States. U. S. Department of Agriculture Circular no. 674. 1943. 34 p.
6032. _____ Leaf blights of corn. Indiana (Purdue) Agricultural Experiment Station Bulletin 572. 1952. 22 p.
6033. U. S. BUREAU OF PLANT INDUSTRY. OFFICE OF MYCOLOGY AND DISEASE SURVEY. Plant Disease Reporter (Bulletin) ... Supplement ...
The Library has issues of the Plant Disease Reporter from the year 1917 to date, and issues of the Supplement from the year 1931 to date. See these issues for brief reports on diseases of corn.
6034. WELLMAN, FREDERICK L. Anotaciones sobre el problema de las enfermedades de las plantas en El Salvador. Café en El Salvador 16(181):383-387; (187):991-1001; (188):1077-1081. Mayo, Nov., Dic. 1946.
Maíz, pp. 384-385, 992, 996-997, 1078.

6035. WELLMAN, FREDERICK L. A list of maize diseases from a limited area in Costa Rica. Plant Disease Reporter 33(2):81-85. Feb. 15, 1949.
6036. WENIGER, WANDA. Diseases of grain and forage crops in North Dakota. North Dakota Agricultural Experiment Station Bulletin 166. 1923. 92 p. Corn diseases, pp. 50-58.
6037. _____ Diseases of grain and forage crops in North Dakota. North Dakota Agricultural Experiment Station Bulletin 255. 1932. 97 p. (This is a revision of Bulletin 166). Corn diseases, pp. 55-64.
6038. YOUNG, GEORGE Y. Notes on corn diseases in certain southern states in 1942. Plant Disease Reporter 27(3-4):108-110. Feb. 15 - Mar. 1, 1943.

Bacterial

6039. ARK, P. A. Bacterial stalk rot of field corn caused by Phytomonas lapsa, n. sp. (Abstract) Phytopathology 30(1):1. Jan. 1940.
6040. BACTERIAL wilt of sweet corn. New Jersey Agricultural Experiment Station Circular 284. 1933. 2 p.
Stewart's disease.
6041. BOEWE, G. H. Bacterial stalk rot of corn in Illinois. Plant Disease Reporter 33(9):342-343. Sept. 15, 1949.
6042. _____ Late season incidence of Stewart's disease on sweet corn and winter temperatures in Illinois, 1944-1948. Plant Disease Reporter 33(4):192-194. April 15, 1949.
6043. _____ Rosen's bacterial stalk rot vs. Elliott's Pythium stalk rot of corn. Plant Disease Reporter 33(11):441. Nov. 15, 1949.
6044. _____ Stewart's disease prospects for 1950. Plant Disease Reporter 34(5):155. May 15, 1950.
6045. _____ Stewart's disease prospects in Illinois for 1952. Plant Disease Reporter 36(6):238. June 15, 1952.
6046. _____ Stewart's disease prospects for 1953. Plant Disease Reporter 37(5):311-312. May 15, 1953.
6047. _____ Stewart's disease prospects in Illinois for 1954. Plant Disease Reporter 38(6):388. June 15, 1954.
6048. _____ Stewart's disease prospects for 1955 in Illinois. Plant Disease Reporter 39(5):384-385. May 15, 1955.
Bacterium stewartii
6049. BRAUN, ARMIN C. & McNEW, GEORGE L. Agglutinin absorption by different strains of Phytomonas stewarti. Botanical Gazette 102(1):78-88. Sept. 1940.
6050. CLINTON, G. P. & SINGLETON, W. RALPH. Stewart's bacterial wilt on sweet corn. Connecticut (New Haven) Agricultural Experiment Station Circular 96:25-36. 1934.
6051. ELLIOTT, CHARLOTTE. Bacterial wilt of corn. U. S. Department of Agriculture Farmers' Bulletin no. 1878. 1941. 21 p.

6052. ELLIOTT, CHARLOTTE. Bacterial wilt of corn combated by use of resistant strains. In U. S. Department of Agriculture. What's new in agriculture, the year book of agriculture, 1935. Washington, D. C., U. S. Government Printing Office, 1935. pp. 126-129.
6053. _____ Bacterial wilt of dent corn. (Abstract) Phytopathology 31(1):7-8. Jan. 1941.
6054. _____ Bacterial wilt of dent corn inbreds. Phytopathology 32(3):262-265. Mar. 1942.
6055. _____ Bacterial wilt of sweet corn in Mexico. Phytopathology 28(6):443-444. June 1938.
6056. _____ Dissemination of bacterial wilt of corn. In Iowa State College. Symposia commemorating six decades of the modern era in botanical science, November 15 and 16, 1934. Ames, 1935. pp. 247-266. (Reprinted from Iowa State College Journal of Science, vol. 9, 1935).
6057. _____ & POOS, F. W. Overwintering of Aplanobacter stewarti. Science (n.s.) 80(2074):289-290. Sept. 28, 1934.
6058. _____ & POOS, F. W. Seasonal development, insect vectors, and host range of bacterial wilt of sweet corn. Journal of Agricultural Research 60(10):645-686. May 15, 1940.
6059. ELLIOTT, EDWARD S. Bacterial wilt of sweet corn. West Virginia Science Serves your Farm and Home Bulletin 363 (pt. 2):11. Dec. 1953.
6060. FRUTCHEY, C. W. A study of Stewart's disease of sweet corn caused by Phytomonas stewarti. Michigan Agricultural Experiment Station Technical Bulletin no. 152. 1936. 25 p.
6061. HARRIS, HUBERT A. Comparative wilt induction by Erwinia tracheiphila and Phytomonas stewarti. Phytopathology 30(8):625-638. Aug. 1940.
6062. HEGGESTAD, HOWARD E. Varietal variation and inheritance studies on natural water-soaking in tobacco. Phytopathology 35(10):754-770. Oct. 1945.
Corn, pp. 767-768.
6063. HOLBERT, JAMES R., ELLIOTT, CHARLOTTE & KOEHLER, BENJAMIN. Bacterial leaf blight of dent corn. (Abstract) Phytopathology 23(1):15-16. Jan. 1933.

6064. HOOKER, W. J. Parasitism of Actinomyces scabies on various plants. (Abstract) Phytopathology 37(1):10. Jan. 1947.
6065. IVANOFF, S. S. Bacterial wilt of corn. (Abstract) Phytopathology 23(1):18. Jan. 1933.
6066. _____ Inoculation tests with Phytomonas stewarti and P. vascularis. (Abstract) Phytopathology 25(1):21. Jan. 1935.
6067. _____ Resistance to bacterial wilt of open-pollinated varieties of sweet, dent, and flint corn. Journal of Agricultural Research 53(12):917-926. Dec. 15, 1936.
6068. _____ Stewart's disease of corn. (Abstract) Phytopathology 22(1):13-14. Jan. 1932.
6069. _____ Stewart's wilt disease of corn, with emphasis on the life history of Phytomonas stewarti in relation to pathogenesis. Journal of Agricultural Research 47(10):749-770. Nov. 15, 1933.
6070. _____ Studies on the host range of Phytomonas stewarti and P. vascularis. Phytopathology 25(11):992-1002. Nov. 1935.
6071. _____ & RIKER, A. J. Resistance to bacterial wilt of inbred strains and crosses of sweet corn. Journal of Agricultural Research 53(12):927-954. Dec. 15, 1936.
6072. _____ & RIKER, A. J. Resistance of sweet corn to bacterial wilt. (Abstract) Phytopathology 25(1):21-22. Jan. 1935.
6073. _____, RIKER, A. J. & DEITWILER, H. A. Studies on cultural characteristics, physiology and pathogenicity of strain types of Phytomonas stewarti. Journal of Bacteriology 35(3):235-253. Mar. 1938.
6074. JOHNSON, A. G., CASH, LILLIAN & GARDNER, W. A. Preliminary report on a bacterial disease of corn. (Abstract) Phytopathology 19(1):81-82. Jan. 1929.
6075. _____, ROBERT, ALICE L. & CASH, LILLIAN. Further studies on bacterial leaf blight and stalk rot of corn. (Abstract) Phytopathology 35(6):486-487. June 1945.
6076. KENDRICK, JAMES B. Holcus bacterial spot on species of Holcus and Zea mays. (Abstract) Phytopathology 16(3):236-237. Mar. 1926.
6077. _____ Holcus bacterial spot of Zea mays and Holcus species. Iowa Agricultural Experiment Station Research Bulletin no. 100:301-334. 1926.

6078. LINCOLN, RALPH E. Bacterial wilt resistance and genetic host- parasite interactions in maize. *Journal of Agricultural Research* 60(4):217-239. Feb. 15, 1940.
6079. _____ Host-parasite interactions with bacterial wilt of maize. *Science (n.s.)* 89(2303):159-160. Feb. 17, 1939.
6080. LOCKWOOD, JOHN L. & WILLIAMS, LANSING E. Field experiments for control of bacterial wilt of sweet corn by antibiotic and Tween 20 sprays. *Plant Disease Reporter* 40(7):622-625. July 15, 1956.
6081. _____ & WILLIAMS, LANSING E. Inoculation and rating methods for bacterial wilt of sweet corn. *Phytopathology* 47(2):83-87. Feb. 1957.
6082. McCONNELL, ELLICOTT & CUTKOMP, L. K. Studies with Bacillus thuringiensis in relation to the European corn borer. *Journal of Economic Entomology* 47(6):1074-1082. Dec. 1954.
6083. McCULLOCH, LUCIA. A morphological and cultural note on the organism causing Stewart's disease of sweet corn. *Phytopathology* 8(8):440-441. Aug. 1918.
6084. McNEW, GEORGE L. Factors influencing attenuation of Phytomonas stewarti cultures. *Journal of Bacteriology* 39(2):171-186. Feb. 1940.
6085. _____ Invasion of sweet-corn plants of different ages by strains of Phytomonas stewarti. *Phytopathology* 30(3):244-249. Mar. 1940.
6086. _____ Isolation of variants from cultures of Phytomonas stewarti. *Phytopathology* 27(12):1161-1170. Dec. 1937.
6087. _____ The relation of nitrogen nutrition to virulence in Phytomonas stewarti. *Phytopathology* 28(11):769-787. Nov. 1938.
6088. _____ & BRAUN, ARMIN C. Agglutination test applied to strains of Phytomonas stewarti. *Botanical Gazette* 102(1):64-77. Sept. 1940.
6089. _____ & SPENCER, ERNEST L. Effect of nitrogen supply of sweet corn on the wilt bacterium. *Phytopathology* 29(12):1051-1067. Dec. 1939.
6090. _____ & SPENCER, ERNEST L. Invasiveness of Phytomonas stewarti in sweet corn supplied with different amounts of nitrogen. (Abstract) *Phytopathology* 29(1):17. Jan. 1939.

6091. MAHONEY, C. H. & MUNCIE, J. H. Is resistance to bacterial wilt in sweet corn heritable? American Society for Horticultural Science. Proceedings 32:458-473. 1934.
6092. _____, MUNCIE, J. H. & MARSTON, A. R. Sweet corn variety and strain test for 1933. Michigan Agricultural Experiment Station. Quarterly Bulletin 16(3):162-166. Feb. 1934.
6093. MANNS, THOMAS F. & PHILLIPS, CLAUDE E. A red leaf disease of field and sweet corn. (Abstract) Phytopathology 35(6):487. June 1945.
6094. MILLER, PAUL R. Seed treatments to protect corn seedlings against Stewart's wilt. Agricultural Chemicals 11(9):81, 83. Sept. 1956.
6095. NATTI, JOHN J. Control of Stewart's bacterial wilt of corn by foliar application of streptomycin sprays. Plant Disease Reporter 39(5):386-390. May 15, 1955.
Bacterium stewartii
6096. ORTON, C. R. Bacterial wilt of corn in West Virginia in 1935. Plant Disease Reporter 19(19):302. Nov. 15, 1935.
Aplanobacter stewarti
6097. POITRAS, ADRIAN W. & STEVENS, NEIL E. Bacterial wilt on sweet corn, 1945-1948. Plant Disease Reporter 33(3):161-165. Mar. 15, 1949.
6098. POOS, F. W. & ELLIOTT, CHARLOTTE. Bacterial wilt of corn and its insect vectors. (Abstract) Phytopathology 25(1):32. Jan. 1935.
6099. _____ & ELLIOTT, CHARLOTTE. Certain insect vectors of Aplanobacter stewarti. Journal of Agricultural Research 52(8):585-608. April 15, 1936.
6100. RAND, FREDERICK V. & CASH, LILLIAN C. Bacterial wilt of corn. U. S. Department of Agriculture Technical Bulletin no. 362. 1933. 30 p.
6101. _____ & CASH, LILLIAN C. Further evidence of insect dissemination of bacterial wilt of corn. Science (n.s.) 59(1516):67-69. Jan. 18, 1924.
6102. _____ & CASH, LILLIAN C. Stewart's disease of corn. Journal of Agricultural Research 21(4):263-264. May 16, 1921.
6103. REDDY, CHARLES H. Experiments with Stewart's disease on dent, flint and sweet corn. (Abstract) Phytopathology 11(1):31. Jan. 1921.

6104. REDDY, CHARLES S. & HOLBERT, J. R. Differences in resistance to bacterial with in inbred strains and crosses of dent corn. Journal of Agricultural Research 36(10):905-910. April 15, 1928.
6105. RICHARDS, M. C. Bacterial wilt of corn in Nassau County. Long Island, New York in 1935. Plant Disease Reporter 19(18):286. Nov. 1, 1935.
Aplanobacter stewarti.
6106. ROBERT, ALICE L. Bacterial wilt and Stewart's leaf blight of corn. U. S. Department of Agriculture Farmers' Bulletin no. 2092. 1955. 13 p. (This bulletin supersedes Farmers' Bulletin no. 1878, "Bacterial wilt of corn", by C. Elliott, from which much of this material was taken.)
6107. ROSEN, H. R. The bacterial pathogen of corn stalk rot. Phytopathology 12(10):497,499. Oct. 1922.
6108. _____ A bacterial root and stalk rot of field corn. (Abstract) Phytopathology 11(1):32-33. Jan. 1921.
6109. _____ A bacterial root-rot of field corn. Arkansas Agricultural Experiment Station Bulletin no. 162. 1919. 7 p., plates.
6110. _____ Bacterial stalk rot of corn. Arkansas Agricultural Experiment Station Bulletin no. 209. 1926. 28 p.
Also in: Phytopathology 16(4):241-267. April 1926.
6111. _____ Further observations on a bacterial root and stalk rot of field corn. Phytopathology 11(2):74-79. Feb. 1921.
6112. SABET, K. A. The effects of streptomycin and terramycin, singly and in combination, on the leaf blight disease of maize caused by Bacterium carotovorum F. Zeae Sabet. Annals of Applied Biology 44(1):152-160. Mar. 1956.
6113. _____ A note on the identity of a bacterium causing stalk rot and leaf blight of maize in Southern Rhodesia. Empire Journal of Experimental Agriculture 25(98):165-166. April 1957.
Erwinia carotovora f. sp. Zeae Sabet.
6114. _____ On the effect of certain environmental conditions on infection with the bacterial root-and stalk-rot disease of maize. Indian Journal of Agricultural Science 27(4):467-474. Dec. 1957.
Erwinia carotovora f. sp. Zeae Sabet.

6115. SABET, K. A. A new bacterial disease of maize in Egypt. Empire Journal of Experimental Agriculture 22(85):65-67. Jan. 1954.
Erwinia carotovora f. sp. Zeae F.
6116. SHEAR, G. M. & WINGARD, S. A. Some ways by which nutrition may affect severity of disease in plants. Phytopathology 34(6):603-605. June 1944.
6117. SMITH, GLENN M. Incidence of bacterial wilt in experimental plantings of sweet corn at Lafayette, Indiana, in 1934. Plant Disease Reporter 19(12):204-208. Aug. 1, 1935.
6118. SOMERS, LEE A. Spread of sweet corn bacterial wilt in Illinois, 1929-1934. Plant Disease Reporter 19(4):38. Apr. 1, 1935.
Aplanobacter stewarti.
6119. SPENCER, ERNEST L. & McNEW, GEORGE L. The influence of mineral nutrition on the reaction of sweet-corn seedlings to Phytomonas stewarti. Phytopathology 28(3):213-223. Mar. 1938.
6120. STANLEY, A. R. & ORTON, C. R. Bacterial stalk rot of sweet corn. (Abstract) Phytopathology 22(1):26. Jan. 1932.
6121. STEVENS, NEIL E. Bacterial wilt of corn in 1934. Plant Disease Reporter 18(10):120-123. Aug. 15, 1934.
Stewart's disease
6122. _____ Incidence of bacterial wilt of corn in the eastern United States in 1935. Plant Disease Reporter 19(18):286-288. Nov. 1, 1935.
6123. _____ Stewart's disease in relation to winter temperatures. Plant Disease Reporter 18(12):141-149. Oct. 1, 1934.
6124. _____ & STEVENS, RUSSELL B. Recent developments in plant diseases in the United States. Botanical Review 7(12):714-736. Dec. 1941.
Bacterial wilt of corn, pp. 723-724.
6125. STEWART, F. C. A bacterial disease of sweet corn. New York (Geneva) Agricultural Experiment Station Bulletin no. 130:419-439. 1897.
6126. THOMAS, ROY C. Additional facts regarding bacteriophage lytic to Aplanobacter stewarti. Phytopathology 30(7):602-611. July 1940.
6127. _____ A bacteriophage in relation to Stewart's disease of corn. Phytopathology 25(3):371-372. Mar. 1935.

6128. TIMM, E. W. & LINDSTROM, E. W. Experimental proof of mutation in virulence of the bacterial wilt pathogen of maize. (Abstract) *Genetics* 28(1):94. Jan. 1943.
6129. WALDEE, E. L. The classification of the cornstalk-rot pathogen. (Abstract) *Phytopathology* 32(1):18. Jan. 1942.
6130. WARREN, JOHN R. The use of radioisotopes in determining the distribution of Bacterium stewartii Erw. Smith within corn plants. *Phytopathology* 41(9):794-800. Sept. 1951.
6131. WELLHAUSEN, E. J. Effect of the genetic constitution of the host on the virulence of Phytomonas stewarti. *Phytopathology* 27(11):1070-1089. Nov. 1937.
6132. _____ Genetic investigations of bacterial wilt resistance in corn as caused by Bacterium stewartii (Smith) Migula. In Iowa State College. Symposia commemorating six decades of the modern era in botanical science. November 15 and 16, 1934. Ames, 1935. pp. 325-333. (Reprinted from Iowa State College of Science, vol. 9, 1935).
6133. _____ Genetics of resistance to bacterial wilt in maize. Iowa Agricultural Experiment Station Research Bulletin 224:69-114. 1937. Abstract in *Journal of Heredity* 29(5):175. May 1938.
6134. _____ Infection of maize with Phytomonas flaccifaciens, P. insidiosa, P. michiganensis, P. campestris, P. panici and P. striafaciens. *Phytopathology* 28(7):475-482. July 1938.
6135. WILLIAMS, LANSING E. Effects of some materials on Stewart's bacterial wilt of sweet corn when applied as seed treatments. *Plant Disease Reporter* 41(11):919-922. Nov. 15, 1957.
6136. _____ & LOCKWOOD, JOHN L. Effect of antibiotics and surface-active agents on bacterial wilt of sweet corn in the greenhouse. *Phytopathology* 47(1):44-48. Jan. 1957.
6137. _____ & ROLSTON, L. H. The resistance of yellow sweet corn hybrids to Stewart's wilt disease. Ohio Agricultural Experiment Station Research Circular 49. 1958. 14 p.
6138. WILT wilts bankrolls of sweet corn growers. *New Jersey Agriculture* 35(4):15-16. July-Aug. 1953.

Fungus

(Fungosas)

6139. ABBOTT, ERNEST V. Diseases of economic plants in Peru. *Phytopathology* 19(7):645-656. July 1929.
Corn, p. 649.
6140. _____ Enfermedades de las plantas cultivadas en el Perú. Perú, Estación Experimental Agrícola de "La Molina", Circular no. 18. 1931. 76 p.
Maíz, pp. 29-35.
6141. ADAMS, JAMES F. & MANNS, T. F. The corn ear worm and kernel rot of corn. *Phytopathology* 12(1):25-26. Jan. 1922.
6142. _____ & RUSSELL, A. M. Rhizopus infection of corn on the germinator. *Phytopathology* 10(12):535-543. Dec. 1920.
6143. ALBERTS, H. W. Effect of pericarp injury on moisture absorption, fungus attack, and vitality of corn. American Society of Agronomy. *Journal* 19(11):1021-1030. Nov. 1927.
6144. ALLEN, RUTH F. A cytological study of heterothallism in Puccinia sorghi. *Journal of Agricultural Research* 49(12):1047-1068. Dec. 15, 1934.
6145. _____ Heterothallism in corn rust. (Abstract) *Phytopathology* 24(10):1142-1143. Oct. 1934.
6146. _____ The spermatia of corn rust, Puccinia sorghi. *Phytopathology* 23(11):923-925. Nov. 1933.
6147. ALLYN, O. M. Reducing corn root-rot by careful hand selection of seed. American Society of Agronomy. *Journal* 15(2):73-76. Feb. 1923.
6148. ALTSTATT, GEORGE E. & YOUNG, P. A. Incidence of charcoal rot in north and east Texas. *Plant Disease Reporter* 28(29):899-900. Sept. 15, 1944.
Sclerotium bataticola
6149. ANDREWS, E. A. & JANES, R. L. Stalk rot of corn in Michigan during 1949. *Plant Disease Reporter* 34(7):207-208. July 15, 1950.
6150. ARNDT, C. H. Fungi affecting corn stalks, leaves, and sheaths in northwestern South Carolina in 1943. *Plant Disease Reporter* 27(21):562. Oct. 22, 1943.

6151. ARNDT, C. H. & STEVENSON, M. B. Unusual prevalence of corn rust in South Carolina. Plant Disease Reporter 30(11):427. Nov. 15, 1946.

Puccinia sorghi

6152. ARNOLD, E. W. & APPLE, J. W. The compatibility of insecticides and fungicides used for the treatment of corn seed. Journal of Economic Entomology 50(1):43-45. Feb. 1957.

6153. ARNY, DEANE C. & WADE, E. K. Seed treatment for oats, barley, wheat, rye, corn. Wisconsin College of Agriculture Extension Service Circular 416. 1952. 9 p.

6154. ARZBERGER, E. G. The cob-rot of corn. Ohio Agricultural Experiment Station Bulletin no. 265:69-82. 1913.

Coniosporium Gecevi

6155. BAINES, R. C. Corn diseases in Indiana. Plant Disease Reporter 27(23):642-643. Nov. 15, 1943.

6156. BAMBERG, R. H. Bacteria antibiotic to Ustilago zea. Phytopathology 21(9):881-890. Sept. 1931.

6157. _____ A bacterium antibiotic to Ustilago zea. (Abstract) Phytopathology 20(1):140. Jan. 1930.

6158. BARTLETT, K. A. & LEFEBVRE, C. L. Field experiments with Beauveria bassiana (Bals.) Vuill., a fungus attacking the European corn borer. Journal of Economic Entomology 27(6):1147-1157. Dec. 1934.

6159. BESSEY, CHARLES E. The smut of Indian corn. Nebraska Agricultural Experiment Station Bulletin no. 11:295-305. 1889.

6160. BOOTHROYD, CARL W. & ROBERTS, D. A. Crazy top of corn in New York. Plant Disease Reporter 38(5):370. May 15, 1954.

6161. _____, OTTO, HARLEY J. & BARNES, JOHN M. Stalk rot of corn in New York, 1954. Plant Disease Reporter 39(5):380. May 15, 1955.

Gibberella zea, Gibberella fujikuroi, & Diplodia zea.

6162. BORLAUG, N. E. Diseases of teosinte in Mexico. (Abstract) Phytopathology 36(5):395. May 1946.

6163. _____ Puccinia sorghi on corn in Mexico. (Abstract) Phytopathology 36(5):395. May 1946.

6164. BOWMAN, DONALD H. Cytological studies of sporidial fusion in Ustilago zea. (Abstract) Phytopathology 30(1):3. Jan. 1940.

6165. BOWMAN, DONALD H. Sporidial fusion in Ustilago maydis. Journal of Agricultural Research 72(7):233-243. April 1, 1946.
6166. BRANDÃO, JOSE SOARES. Os "carvões" do milho. Brasil. Ministerio da Agricultura. Boletim 30(10):31-33. Out. 1941.
Ustilago zeae (Beck.) Unger y Sorosporium reilianum (Kuhn) Mac. Alp.
6167. BRANSTETTER, B. B. Corn root rot. Missouri Agricultural Experiment Station Circular 117. 1924. 8 p.
6168. _____ Corn root rot studies. Missouri Agricultural Experiment Station Research Bulletin 113. 1927. 80 p.
6169. _____ Fungi internal to Missouri seed corn of 1921. American Society of Agronomy. Journal 14(9):354-357. Dec. 1922.
6170. _____ Treatment of seed to control root and stalk rots. (Abstract) Phytopathology 12(1):30. Jan. 1922.
6171. BRESSMAN, E. N. & BARSS, H. P. Experiments with head smut of corn in Western Oregon. Phytopathology 23(4):396-403. Apr. 1933.
6172. BROYLES, JAMES W. Corn disease study points toward control of brown spot; five fungicides effective in controlling diseases on experimental plots. Mississippi Farm Research 18(12):6. Dec. 1955.
Physoderma maydis
6173. _____ Observations on secondary spread of Physoderma maydis on corn. (Abstract) Phytopathology 46(1):8. Jan. 1956.
6174. _____ Observations on time and location of penetration in relation to amount of damage and chemical control of Physoderma maydis. (Abstract) Phytopathology 46(1):8. Jan. 1956.
6175. BURCHFIELD, H. P. & MCNEW, G. L. Quantitative determination of tetrachloro-p-benzoquinone on treated seed. Phytopathology 38(4):299-306. April 1948.
6176. BURK, EARL F., CROSS, C. B. & HIXSON, EPHRIAM. Variety tests of sweet corn and its resistance to corn earworm and smut injury. American Society for Horticultural Science. Proceedings 33:502-504. 1935.
6177. BURNHAM, C. R. & CARTLEDGE, J. L. Linkage relations between smut resistance and semisterility in maize. American Society of Agronomy. Journal 31(11):924-933. Nov. 1939.
6178. BURRILL, THOMAS J. & BARRETT, J. T. Dry rot of corn. Illinois Agricultural Experiment Station Circular no. 117. 1908. 3 p.
Diplodia maydis

6179. CAMMACK, R. H. Factors affecting infection gradients from a point source of Puccinia polysora in a plot of Zea mays. Annals of Applied Biology 46(2):186-197. June 1958.
6180. Observations on Puccinia polysora Underw. in West Africa. In West African Maize Rust Research Unit. First annual report, 1953. Ibadan, Nigeria, 1954. pp. 16-31.
6181. Seasonal changes in three common constituents of the air spora of Southern Nigeria. Nature (London) 176(4496):1270-1272. Dec. 31, 1955.
6182. CANEL, MANUEL & FISCHER, G. J. La intensidad del ataque de carbón en los maíces castrados. Archivo Fitotécnico del Uruguay 4(1):18-19. 1949.
Ustilago zaeae
6183. CARDEÑOSA-BARRIGA, RICARDO. Helminthosporium, patógenos del maíz. Palmira, Colombia. Estación Agrícola Experimental. Notas Agronómicas 5(2):71-106. Julio-Dic. 1952.
6184. EL "CARBON" DEL MAIZ. España. Estación de Patología Vegetal. Boletín 1(1):17-19. Enero 1926.
Ustilago zaeae
6185. CARLETON, MARK ALFRED. Cereal rusts of the United States: a physiological investigation. U. S. Department of Agriculture Division of Vegetable Physiology and Pathology Bulletin no. 16. 1899. 74 p.
Maize rust, pp. 65-70.
6186. CARVAJAL, FERNANDO. Phoma terrestris on sugar-cane roots in Louisiana. Phytopathology 35(9):744. Sept. 1945.
Inoculations of the cane-root isolates into corn roots.
6187. CASE, A. A. Corn smut in silage. American Veterinary Medical Association. Journal 129(9):404. Nov. 1956.
6188. CERCOS, AUGUSTO P. Acción antibiótica de "Bacillus mesentericus" sobre "Ustilago maydis" y otros hongos. Revista de Investigaciones Agrícolas (Argentina) 11(1):37-56. 1948.
6189. & FAVRET, EWALD A. "Ustilago maydis", una nueva fuente de radiación mitogenética. Revista Argentina de Agronomía 13(2):128-135. Junio 1946.
6190. CHARLES, VERA K. A new entomogenous fungus on the corn earworm Heliothis obsoleta. Phytopathology 28(12):893-897. Dec. 1938.
Spicaria heliothis

6191. CHEN, CHUN JEN C. Internal fungous parasites of agricultural seeds. Maryland Agricultural Experiment Station Bulletin no. 240:81-110. 1920.
Corn, pp. 85, 87, 98-104.
6192. CHILTON, ST. JOHN P. Delayed reduction of the diploid nucleus in promycelia of Ustilago zae. Phytopathology 30(7):622-623. July 1940.
6193. _____ A heritable abnormality in the germination of chlamydospores of Ustilago zae. Phytopathology 33(9):749-765. Sept. 1943.
6194. CHRISTENSEN, CLYDE M. Deterioration of stored grains by fungi. Botanical Review 23(2):108-134. Feb. 1957.
Aspergillus glaucus, Penicillium
6195. CHRISTENSEN, J. J. & JOHNSON, I. J. Field reaction of varieties and selfed lines of corn to different collections of Ustilago zae. Journal of Agricultural Research 50(1):47-57. Jan. 1, 1935.
6196. _____ & SCHNEIDER, C. L. European corn borer (Pyrausta nubilalis Hbn.) in relation to shank, stalk, and ear rots of corn. Phytopathology 40(3):284-291. Mar. 1950.
6197. _____ & STAKMAN, E. C. Physiologic specialization and mutation in Ustilago zae. Phytopathology 16(12):979-999. Dec. 1926.
6198. CLAYTON, EDWARD E. Diplodia zae as an ear and root parasite of corn. (Abstract) Phytopathology 12(1):29. Jan. 1922.
6199. _____ Diplodia ear-rot disease of corn. Journal of Agricultural Research 34(4):357-371. Feb. 15, 1927.
6200. COFFMAN, FRANKLIN A., TISDALE, W. H. & BRANDON, J. F. Observations on corn smut at Akron, Colorado. American Society of Agronomy. Journal 18(5):403-411. May 1926.
6201. CORN SMUT. New Jersey Agricultural Experiment Station Circular 280. 1933. 2 p.
6202. COX, R. S. Control of the Helminthosporium blight diseases on sweet corn in south Florida. Phytopathology 46(2):112-115. Feb. 1956.
6203. _____ & HARRISON, D. S. Factors affecting the incidence and control of northern corn leaf blight in sweet corn production in the Everglades. Florida Agricultural Experiment Station Bulletin 596. 1958. 20 p.
Helminthosporium turcicum

6204. COX, R. S. & WOLF, E. A. A crown rot of sweet corn caused by Helminthosporium turcicum. *Phytopathology* 45(5):291-292. May 1955.
6205. _____, HARRISON, D. S. & VAN NOSTRAN, F. E. Epiphytology and control of the Helminthosporium blight diseases of corn. In Florida Agricultural Experiment Stations Annual report, 1957. p. 253.
6206. CRALLEY, E. M. Corn seed treatment. Arkansas Agricultural Experiment Station Bulletin 466. 1947. 10 p.
6207. CRANDALL, BOWEN S. & ABRECO, LEOPOLDO. Prevención de enfermedades llevadas en las semillas. El Salvador, Centro Nacional de Agronomía, Circular Agrícola no. 27. 1950. 4 p.
6208. CRANE, PAUL L. Factors affecting resistance to Pythium seedling blight of maize incited by Pythium ultimum. *Agronomy Journal* 48(8):365-368. Aug. 1956.
6209. CROSIER, WILLARD. Chemical control of seed-borne fungi during germination testing of peas and sweet corn. *Phytopathology* 36(2):92-99. Feb. 1946.
6210. _____ & PATRICK, STEWART. Arasan for control of fungi in germinating corn seed. *Phytopathology* 36(2):162-164. Feb. 1946.
6211. CUMMINS, GEORGE B. Heterothallism in corn rust and effect of filtering the pycnial exudate. *Phytopathology* 21(7):751-753. July 1931.
6212. _____ Identity and distribution of three rusts of corn. *Phytopathology* 31(9):856-857. Sept. 1941.
6213. DALBEY, NORA E. Corn disease caused by Phyllachora graminis. *Phytopathology* 7(1):55-56. Feb. 1917.
6214. DALY, J. M. & LU, S. I. Cultural characters of uranium-nitrate-induced mutants of Ustilago zae. (Abstract) *Phytopathology* 40(1):6. Jan. 1950.
6215. DANA, B. F. & ZUNDEL, GEORGE L. A new corn smut in Washington. *Phytopathology* 10(6):328-330. June 1920.
6216. DARAN, D. V. Studies in Sclerospora maydis physiology of parasitism. *Journal for Scientific Research in Indonesia* 2(1):1-9. Sept. 1953.
6217. DAVIDSON, R. S. Helminthosporium seedling blights of corn. (Abstract) *Phytopathology* 40(1):6. Jan. 1950.

6218. DAVIS, GLEN N. Corn smut - latent and expressed. (Abstract) Phytopathology 26(2):91. Feb. 1936.
6219. Relation of axillary-bud development to nodal smut infection in the corn plant. (Abstract) Phytopathology 22(1):7-8. Jan. 1932.
6220. Some new aspects of maize smut. In Iowa State College. Symposia commemorating six decades of the modern era in botanical science, November 15 and 16, 1934. Ames, 1935. pp. 291-293. (Reprinted from Iowa State College Journal of Science, vol. 9, 1935).
6221. Some of the factors influencing the infection and pathogenicity of Ustilago zeae (Beckm.) Unger on Zea mays L. Iowa Agricultural Experiment Station Research Bulletin 199:247-278. 1936.
6222. DESAI, M. V. & REDDY, C. S. Toward a uniform seed corn cold test. Phytopathology 48(7):386-387. July 1958.
6223. DESSUREAUX, L., NEAL, N. P. & BRINK, R. A. Maturation in corn. American Society of Agronomy. Journal 40(8):733-745. Aug. 1948.
6224. DE VAY, J. E. Amino-acid composition of monosporidial cultures of Ustilago zeae of different sex. Phytopathology 44(10):583-587. Oct. 1954.
6225. & ROWELL, J. B. Free amino-acids and carbohydrates in gall and healthy tissues of corn. (Abstract) Phytopathology 44(9):486. Sept. 1954.
6226. & STAKMAN, E. C. Amino-acids synthesized by lines of Ustilago zeae of different sex. (Abstract) Phytopathology 43(9):470. Sept. 1953.
6227. DIACHUN, STEPHEN. The effect of some soil factors on Penicillium injury of corn seedlings. Phytopathology 29(3):231-241. Mar. 1939.
6228. DICKSON, JAMES G. General corn rust and leaf blight infection in Wisconsin. Plant Disease Reporter 36(9):350. Sept. 15, 1952. Puccinia sorghi, Helminthosporium turcicum
6229. The influence of soil temperature on the development of the seedling blight of cereals caused by Gibberella saubinetii. (Abstract) Phytopathology 11(1):35-36. Jan. 1921.

6230. DICKSON, JAMES G. Influence of soil temperature and moisture on the development of the seedling-blight of wheat and corn caused by Gibberella saubinetii. Journal of Agricultural Research 23(11):837-870, plates. Mar. 17, 1923.
Abstract Phytopathology 13(1):50. Jan. 1923.
6231. _____ The relation of plant physiology and chemistry to the study of disease resistance in plants. American Society of Agronomy. Journal 17(11):676-695. Nov. 1925.
Gibberella saubinetii.
6232. _____ & BOWMAN, D. H. Inoculation experiments and reaction of inbred lines of corn to Ustilago zeae. (Abstract) Phytopathology 30(1):5. Jan. 1940.
6233. _____, LINK, KARL P. & DICKSON, A. D. Nature of resistance of corn to seedling blight. (Abstract) Phytopathology 23(1):9. Jan. 1933.
6234. _____ & OTHERS. The influence of environment during maturation upon predisposition to seedling blight in wheat and corn strains. (Abstract) Phytopathology 19(1):79. Jan. 1929.
6235. DIPLODIA EAR rot of maize. Tropical Agriculturist (Ceylon) 98(3):36. July-Sept. 1942.
6236. DRECHSLER, CHARLES. An emendation of the description of Ophiobolus heterostrophus. Phytopathology 17(6):414. June 1927.
6237. _____ Leafspot of maize caused by Ophiobolus heterostrophus, n. sp., the ascigerous stage of a Helminthosporium exhibiting bipolar germination. Journal of Agricultural Research 31(8):701-726. Oct. 15, 1925.
6238. _____ Pythium arrhenomanes N. sp., a parasite causing maize root rot. Phytopathology 18(10):873-875. Oct. 1928.
6239. _____ Some graminiculus species of Helminthosporium: I. Journal of Agricultural Research 24(8):641-740, plates. May 26, 1923.
6240. DUDDLESTON, B. H. & HOFFER, G. N. The improved rag-doll germinator as an aid in controlling root, stalk and ear-rots of corn. (Abstract) Phytopathology 11(1):33. Jan. 1921.
6241. DUGGER, W. M., HUMPHREYS, T. E. & CALHOUN, BARBARA. Influence of n-(tricholoromethylthio)-4 cyclohexene-1,2 dicarboximide (Captan) on the metabolism of pea and corn seedlings. (Abstract) Plant Physiology 32(Supplement):vii. Aug. 1957.

6242. DUNCAN, J. R. & MARSTON, A. R. Curing and storing of seed corn; the effect of different temperatures in drying seed corn of different stages of maturity, on germination. Michigan Agricultural Experiment Station Quarterly Bulletin 8(2):66-68. Nov. 1925.
6243. DUNGAN, GEORGE H. The influence of plant injury and the root rot disease upon the physical and chemical composition of corn grain. Illinois Agricultural Experiment Station Bulletin no. 284:253-281. 1926.
6244. _____ & KOEHLER, BENJAMIN. Age of seed corn in relation to seed infection and yielding capacity. American Society of Agronomy. Journal 36(5):436-443. May 1944.
6245. DUNLAP, A. A. Plant diseases in Texas and their control. Texas Agricultural Experiment Station Circular 124. 1949. 74 p. Corn, pp. 15, 65-66.
6246. DURRELL, L. W. Basisporium dry rot of corn. Iowa Agricultural Experiment Station Research Bulletin no. 84:137-160. 1925.
6247. _____ Diplodia of corn in Iowa. (Abstract) Phytopathology 12(1):29. Jan. 1922.
6248. _____ Dry rot of corn. Iowa Agricultural Experiment Station Research Bulletin no. 77:343-376. 1923.
6249. _____ A preliminary study of fungous action as the cause of down corn. Phytopathology 15(3):146-154. Mar. 1925.
6250. EATON, FRANK M. & RIGLER, NEIL E. Influence of carbohydrate levels and root-surface microfloras on Phymatotrichum root rot in cotton and maize plants. Journal of Agricultural Research 72(4):137-161. Feb. 15, 1946.
6251. ECKERSON, S. H. & DICKSON, JAMES G. The influence of soil temperature and moisture on the chemical composition of wheat and corn and their predisposition to seedling blight. (Abstract) Phytopathology 13(1):50-51. Jan. 1923.
6252. EDDINS, A. H. Dry rot of corn caused by Diplodia frumenti and three morphologically related species. (Abstract) Phytopathology 20(1):139. Jan. 1930.
6253. _____ Dry rot of corn caused by Diplodia macrospora Earle. Phytopathology 20(5):439-448. May 1930.
6254. _____ A new Diplodia ear rot of corn. Phytopathology 20(9):733-742. Sept. 1930.

6255. EDDINS, A. H. Infection of corn plants by Physoderma zeae-maydis Shaw. Journal of Agricultural Research 46(3):241-253. Feb. 1, 1933.
6256. _____ Pathogenicity and cultural behavior of Ustilago zeae (Bekm.) Ung. from different localities. Phytopathology 19(10):885-916. Oct. 1929.
6257. _____ & VOORHEES, R. K. Physalospora zeicola on corn and its taxonomic and host relationships. Phytopathology 23(1):63-72. Jan. 1933.
6258. EDGERTON, C. W. & KIDDER, A. F. Fungous infection of seed corn kernels and the importance of germination tests. Louisiana Agricultural Experiment Station Bulletin no. 193. 1925. 24 p.
6259. _____, TIMS, E. C. & MILLS, P. J. Relation of species of Pythium to the root-rot disease of sugar cane. Phytopathology 19(6):549-564. June 1929.
6260. ELDREDGE, JOHN C. The effect of injury in imitation of hail damage on the development of the corn plant. Iowa Agricultural Experiment Station Research Bulletin no. 185:1-61. 1935.
6261. ELLIOTT, CHARLOTTE. Helminthosporium turcicum leaf blight of field corn inbreds and hybrids. (Abstract) Phytopathology 33(1):18. Jan. 1943.
6262. _____ A Pythium stalk rot of corn. Journal of Agricultural Research 66(1):21-39. Jan. 1, 1943.
6263. _____ Relative susceptibility to Pythium root rot of twelve dent corn inbreds. Journal of Agricultural Research 64(12):711-723. June 15, 1942.
6264. _____ & JENKINS, MERLE T. Helminthosporium turcicum leaf blight of corn. Phytopathology 36(8):660-666. Aug. 1946.
Abstract in Phytopathology 35(6):485. June 1945.
6265. _____ & OTHERS. Pythium root rot of milo. Journal of Agricultural Research 54(11):797-834. June 1, 1937.
6266. ELLIS, R. T. Tolerance to the maize rust Puccinia polysora Underw. Nature (London) 174(4439):1021. Nov. 27, 1954.
6267. ENFERMEDADES del maíz: carbón o tizón del maíz. Fitófilo 10(19):27-28. Julie-Sept. 1957.
Ustilago zeae y Helminthosporium turcicum.
6268. ERWIN, DONALD C. & CAMERON, JAMES W. Susceptibility of five sweet corn varieties to Pythium graminicola. Plant Disease Reporter 41(12):988-991. Dec. 15, 1957.

6269. ESTIMATED reduction in yield of corn due to smut (Ustilago zaeae) during the season of 1917. Plant Disease Bulletin (U.S.D.A.) 2(1):9-10. Mar. 15, 1918.
6270. EZEKIEL, WALTER N., TAUBENHAUS, J. J. & FUDGE, J. F. Growth of Phymatotrichum omnivorum in plant juices as correlated with resistance of plants to root rot. Phytopathology 22(5):459-474. May 1932.
6271. FAVRET, EWALD A., CERCOS, AUGUSTO P. & AVILA, ANTONIO. Sustancia producida por Ustilago maydis con acción sobre el gluten. Revista de Investigaciones Agrícolas (Argentina) 8(2):187-193. 1954.
6272. FELDMAN, A. W. Investigations on the physiology and pathogenicity of Ustilago zaeae. (Abstract) Phytopathology 38(1):8. Jan. 1948.
6273. _____ Physiological effect of Ustilago zaeae on corn. (Abstract) Phytopathology 38(1):8-9. Jan. 1948.
6274. FICKE, C. H. & MELCHERS, L. E. The effect of the digestive processes of animals on the viability of corn and sorghum smut spores. Journal of Agricultural Research 38(11):633-645. June 1, 1929.
6275. FIND MEADOW helps control corn root rot and corn rootworms. Iowa Agricultural Experiment Station Farm Science 8(1):16. July 1953.
6276. FOLEY, DEAN C. & WERNHAM, C. C. The effect of fertilizers on stalk rot of corn in Pennsylvania. (Abstract) Phytopathology 47(1):11-12. Jan. 1957.
6277. FRED, E. B. Relation of green manures to the failure of certain seedlings. Journal of Agricultural Research 5(25):1161-1176. Mar. 20, 1916.
6278. FREEMAN, E. M. & STAKMAN, E. C. The smuts of grain crops. Minnesota Agricultural Experiment Station Bulletin no. 122, rev. 1914. 35 p. Corn smut, pp. 7-10, 16-17.
6279. GARBER, R. J. & HOOVER, M. M. Influence of corn smut and hail damage on the yield of certain first-generation hybrids between synthetic varieties. American Society of Agronomy. Journal 27(1):38-45. Jan. 1935.
6280. _____ & HOOVER, M. M. The relation of smut infection to yield in maize. American Society of Agronomy. Journal 20(7):735-746. July 1928.
6281. _____ & QUISENBERRY, K. S. Breeding corn for resistance to smut (Ustilago zaeae). American Society of Agronomy. Journal 17(3):132-140. Mar. 1925.

6282. GASKIN, TIMOTHY A. & ULLSTRUP, A. J. An estimate of the incidence of corn smut and of the effects of the disease on yields in Indiana in 1957. *Plant Disease Reporter* 42(3):374-375. Mar. 15, 1958.
- Ustilago maydis*
6283. GATTANI, MOHAN LAL. Differences in diploid lines of *Ustilago zeae*. (Abstract) *Phytopathology* 36(5):398. May 1946.
6284. GHEORGHIANOV, VEACESLAO & FISCHER, GUSTAVO J. El carbón del maíz. (Compendio) En Reunión Interamericana de Fitogenetistas, Fitopatólogos, Entomólogos y Edafólogos, 3a, Bogotá, Colombia, 1955. Bogotá, Colombia, Ministerio de Agricultura, Oficina de Investigaciones Especiales, 1958. p. 202.
6285. _____ & FISCHER, GUSTAVO J. El carbón del maíz, ataque observado en los ensayos comparativos de variedades comerciales realizados en La Estanzuela (1942-1949). En Conferencia Interamericana de Agricultura, 4a, Montevideo, 1950. Trabajos técnicos. Montevideo, Barreiro y Ramos, 1951. pp. 210-224.
6286. _____ & FISCHER, GUSTAVO J. El carbón del maíz; observaciones complementarias. *Archivo Fitotécnico del Uruguay* 5(1):119-129. 1952.
6287. GILMAN, J. C. A *Fusarium* wilt of corn in Iowa in 1920. (Abstract) *Phytopathology* 11(1):33. Jan. 1921.
6288. GODOY, ERNESTO F. & BRUNI, OMAR. Ciclo evolutivo de las royas del lino (*Melampsora lini*) y el maíz (*Puccinia sorghi*) en la Argentina. *Revista Argentina de Agronomía* 19(1):21-34. Mar. 1952.
6289. GOODMAN, J. J. Lipolytic activity of certain fungi important in grain deterioration. (Abstract) *Phytopathology* 41(1):14. Jan. 1951.
6290. _____ & CHRISTENSEN, CLYDE M. Grain storage studies. XI. Lipolytic activity of fungi isolated from stored corn. *Cereal Chemistry* 29(4):299-308. July 1952.
6291. GRIFFITHS, MARION A. Smut resistance in corn. (Abstract) *Phytopathology* 17(1):42. Jan. 1927.
6292. _____ Smut susceptibility of naturally resistant corn when artificially inoculated. *Journal of Agricultural Research* 36(1):77-89. Jan. 1, 1928.

6293. HALSTED, BYRON D. The fungous foes of the farmer. Pennsylvania Department of Agriculture Bulletin no. 28. 1897. 19 p. Corn smut, pp. 6-7.
6294. HALTIWANGER, W. L. & WERNHAM, C. C. Some fundamental studies on cold-testing of corn. (Abstract) Phytopathology 42(9):467. Sept. 1952.
6295. HAMPTON, RICHARD O. Comparative pathogenicity of Pythiaceous fungi on corn. Iowa State College Journal of Science 30(2):295-299. Nov. 1955.
6296. _____ & BUCHHOLTZ, W. F. Seasonal occurrence of Pythium graminicolum on roots of field-grown corn. Iowa State College Journal of Science 33(4):489-495. May 1959.
6297. HANNA, W. F. Studies in the physiology and cytology of Ustilago zae and Sorosporium reilianum. Phytopathology 19(5):415-442. May 1929.
6298. HARPER, JOHN L. Influence of temperature and soil water content on the seedling blight of maize. Nature (London) 173(4400):391-393. Feb. 27, 1954.
6299. _____ Studies in seed and seedling mortality. V. Direct and indirect influences of low temperatures on the mortality of maize. New Phytologist 55(1):35-44. Jan. 1956.
6300. _____, LANDRAGIN, PHYLLIS A. & LUDWIG, JERZY W. The influence of environment on seed and seedling mortality. II. The pathogenic potential of the soil. New Phytologist 54(2):119-131. May 1955.
6301. HARRIS, M. R. The relationship of Cephalosporium acremonium to the black-bundle disease of corn. Phytopathology 26(10):965-980. Oct. 1936.
6302. _____ A study of fungi parasitic on Ohio seed corn. Plant Disease Reporter 28(9):329-336. Apr. 15, 1944.
6303. HART, HELEN & FORBES, I. L. The effect of light on the initiation of rust infection. Phytopathology 25(7):715-725. July 1935.
6304. HARVEY, P. H., THOMPSON, D. L. & HEBERT, T. T. Reaction of inbred lines of corn to brown spot. Plant Disease Reporter 39(12):973-976. Dec. 15, 1955.
Physoderma maydis
6305. HASKELL, R. J. & DIEHL, W. W. False smut of maize, Ustilaginoidea. Phytopathology 19(6):589-592. June 1929.

6306. HASKINS, R. H. Biochemistry of the Ustilaginales. I. Preliminary cultural studies of Ustilago zea. Canadian Journal of Research. Sec. C. 28(2):213-223. April 1950.
6307. _____ & THORN, J. A. Biochemistry of the Ustilaginales. VII. Antibiotic activity of Ustilagic acid. Canadian Journal of Botany 29(6):585-592. Dec. 1951.
6308. HAYES, H. K., JOHNSON, I. J. & STAKMAN, E. C. Reaction of maize seedlings to Gibberella saubinetii. Phytopathology 23(11):905-911. Nov. 1933.
6309. _____ & OTHERS. Reactions of selfed lines of maize to Ustilago zea. Phytopathology 14(6):268-280. June 1924.
6310. HEALD, F. D., WILCOX, E. M. & POOL, VENUS W. The life-history and parasitism of Diplodia zea (Schw.) Lev. In Nebraska Agricultural Experiment Station. 22nd Annual report, 1908:1-20. 1909.
6311. HEBERT, T. T. Know your corn diseases. North Carolina Research and Farming 9(2):8-9. Autumn 1950.
6312. HEMINGWAY, J. S. Effects of Puccinia polysora rust on yield of maize. East African Agricultural Journal 20(3):191-194. Jan. 1955.
6313. HENDERSON, L. F. Smuts and rusts of grains in Idaho, and the most approved methods of dealing with them. Idaho Agricultural Experiment Station Bulletin 11. 1898. 34 p.
6314. HENRY, A. W. Root-rots of wheat. Minnesota Agricultural Experiment Station Technical Bulletin 22. 1924. 71 p.
6315. HERD, G. W. Hybrid maize disease resistance tests; progress report, 1953-54. Rhodesia Agricultural Journal 51(5):371-374. Sept. Oct. 1954.
Puccinia sorghi and Helminthosporium turcicum.
6316. HERR, LEONARD J. Soil mycoflora associated with continuous cropping of corn, oats, and wheat. Ohio Journal of Science 57(4):203-211. July 1957.
6317. HIRSCHHORN, ELISA. Presencia de Sorosprium reilianum en los cultivos de maiz y sorgo en la República Argentina. IDIA; Informativo de Investigaciones Agrícolas (Argentina) 5(55):8-11. Julio 1952.
6318. _____ Variaciones en Ustilago zea. Ciencia e Investigación (Argentina) 9(4):158-165. Abril 1953.

6319. HIRSCHHORN, ELISA & MUNNECKE, DONALD E. The effect of sodium arsenite on the combining ability of monosporidial lines of Ustilago zeae. *Phytopathology* 40(5):524-526. May 1950.
6320. HITCHCOCK, A. S. & CARLETON, M. A. The effect of fungicides upon the germination of corn. *Kansas Agricultural Experiment Station Bulletin* no. 41:63-79. 1893.
6321. _____ & NORTON, J. B. S. Corn smut. *Kansas Agricultural Experiment Station Bulletin* no. 62:169-212. 1896.
6322. HO, WEN-CHUN. Soil-inhabiting fungi attacking the roots of maize. *Iowa Agricultural Experiment Station Research Bulletin* no. 332:401-446. 1944.
6323. _____ & KOEPFER, JAMES M. Host response of maize seedlings to Pythium graminicolum. (Abstract) *Phytopathology* 32(1):9. Jan. 1942.
6324. _____ & MELHUS, I. E. Succession of soil-inhabiting fungi attacking the roots of maize. (Abstract) *Phytopathology* 30(1):10. Jan. 1940.
6325. HOFFER, GEORGE N. Disease-free sweet corn seed. *Indiana (Purdue) Agricultural Experiment Station Bulletin* no. 233. 1920. 12 p.
6326. _____ & CARR, R. H. Accumulation of aluminum and iron compounds in corn plants and its probable relation to rootrots. *Journal of Agricultural Research* 23(10):801-824. Mar. 10, 1923.
6327. _____ & HOLBERT, J. R. Selection of disease-free seed corn. *Indiana (Purdue) Agricultural Experiment Station Bulletin* no. 224. 1918. 16 p.
6328. _____ & TROST, J. F. The accumulation of iron and aluminum compounds in corn plants and its probable relation to root rots. II. *American Society of Agronomy. Journal* 15(8):323-331. Aug. 1923.
6329. _____ & TROST, J. F. Influence of balanced nutrient supply on susceptibility of corn plants to Gibberella saubinetii (Mont.) Sacc. (Abstract) *Phytopathology* 15(1):59-60. Jan. 1925.
6330. _____, JOHNSON, A. G. & ATANASOFF, D. Corn-rootrot and wheat-scab (preliminary paper). *Journal of Agricultural Research* 14(13):611-612. Sept. 23, 1918.
6331. HOFFMASTER, D. E. & OTHERS. The problem of dry rot caused by Macrophomina phaseoli (Sclerotium bataticola). (Abstract) *Phytopathology* 33(12):1113-1114. Dec. 1943.

6332. HOLBERT, JAMES R. Control of corn rots by seed selection. Illinois Agricultural Experiment Station Circular no. 243. 1920. 4 p.
6333. _____ & HOFFER, GEORGE N. Control of the root, stalk, and ear rot diseases of corn. U. S. Department of Agriculture Farmers' Bulletin 1176. 1920. 24 p.
6334. _____ & HOFFER, GEORGE N. Corn root and stalk rots. (Abstract) Phytopathology 10(1):55. Jan. 1920.
6335. _____ & KOEHLER, BENJAMIN. Results of seed-treatment experiments with yellow dent corn. U. S. Department of Agriculture Technical Bulletin no. 260. 1931. 63 p.
6336. _____, DICKSON, JAMES G. & BIGGAR, H. HOWARD. Correlation of early growth, variation and productivity of maize as influenced by certain pathologic factors. (Abstract) Phytopathology 10(1):57-58. Jan. 1920.
6337. _____, HOPPE, P. E. & SMITH, A. L. Some factors affecting infection with and spread of Diplodia zeae in the host tissue. Phytopathology 25(12):1113-1114. Dec. 1935.
6338. _____, KOEHLER, BENJAMIN & DUNGAN, G. H. Studies on the Diplodia disease of corn. (Abstract) Phytopathology 14(1):47. 1924.
6339. _____, REDDY, C. S. & KOEHLER, BENJAMIN. Chemical-dust seed treatments for dent corn. U. S. Department of Agriculture Circular no. 34. 1928. 6 p.
6340. _____, REDDY, C. S. & KOEHLER, BENJAMIN. Seed treatments for the control of certain diseases of dent corn. (Abstract) Phytopathology 16(1):82-83. Jan. 1926.
6341. _____ & OTHERS. Corn root, stalk, and ear rot diseases, and their control thru seed selection and breeding. Illinois Agricultural Experiment Station Bulletin no. 255:235-478. 1924.
6342. _____ & OTHERS. Early vigor of maize plants and yield of grain as influenced by the corn root, stalk, and ear rot diseases. Journal of Agricultural Research 23(8):583-630. Feb. 24, 1923.
6343. HOOKER, ARTHUR L. Additional seed factors affecting stands of corn in cold soils. Agronomy Journal 47(12):582-585. Dec. 1955.
6344. _____ Association of resistance to several seedling, root, stalk, and ear diseases in corn. Phytopathology 46(7):379-384. July 1956.
Diplodia, Gibberella, Pythium.

6345. HOOKER, ARTHUR L. Corn diseases in Iowa nurseries in 1953 and 1954.
(Abstract) Plant Disease Reporter 39(5):381-383. May 15, 1955.
Puccinia sorghi, Helminthosporium turcicum.
6346. _____ The corn embryo as a factor in resistance in Pythium during germination. (Abstract) Phytopathology 41(1):17. Jan. 1951.
6347. _____ Correlation of resistance to eight Pythium species in seedling corn. Phytopathology 46(3):175-176. Mar. 1956.
6348. _____ Factors affecting the spread of Diplodia zeae in inoculated corn stalks. Phytopathology 47(4):196-199. April 1957.
6349. _____ Intra-inbred variation in resistance to a Pythium seedling disease of corn. Agronomy Journal 47(12):580-582. Dec. 1955.
6350. _____ Relative efficiency of various methods of inducing field infections with Helminthosporium turcicum and Puccinia sorghi. Plant Disease Reporter 38(3):173-177. Mar. 15, 1954.
6351. _____ & DICKSON, J. G. Resistance to Pythium manifest by excised corn embryos at low temperatures. Agronomy Journal 44(8):443-447. Aug. 1952.
6352. _____ & LeROUX, P. M. Sources of protoplasmic resistance to Puccinia sorghi in corn. Phytopathology 47(4):187-191. April 1957.
6353. HOOVER, M. M. Inheritance studies of the reaction of selfed lines of maize to smut (Ustilago zeae). West Virginia Agricultural Experiment Station Bulletin 253. 1932. 32 p.
6354. HOPPE, PAUL E. Comparison of certain mercury and non-metallic dusts for corn seed treatment. Phytopathology 33(7):602-606. July 1943.
Control of Diplodia zeae.
6355. _____ Differences in Pythium injury to corn seedlings at high and low soil temperatures. Phytopathology 39(1):77-84. Jan. 1949.
6356. _____ Hormodendrum kernel rot in dent corn. Phytopathology 43(7):386. July 1953.
6357. _____ Infections of corn seedlings. In U. S. Department of Agriculture. Plant diseases, yearbook of agriculture, 1953. Washington, D. C., U. S. Government Printing Office, 1953. pp. 377-380.

6358. HOPPE, PAUL E. Inheritance of resistance to seedling blight of corn caused by Gibberella saubinetii. (Abstract) *Phytopathology* 19(1):79-80. Jan. 1929.
6359. A new technique for incubating seed corn in cold soil for disease tests. *Phytopathology* 41(8):747-751. Aug. 1951.
6360. A paper-doll technique for disease tests of seed corn in cold soils. (Abstract) *Phytopathology* 42(1):11. Jan. 1952.
6361. Relative prevalence and geographic distribution of various ear rot fungi in the 1942 corn crop. *Plant Disease Reporter* 27(9):199-202. May 15, 1943.
6362. Scolecospores in Diplodia macrospora. *Phytopathology* 33(6):528. June 1943.
6363. & HOLBERT, JAMES R. Methods used in the determination of relative amounts of ear rot in dent corn. *American Society of Agronomy. Journal* 28(10):810-819. Oct. 1936.
6364. & HOLBERT, JAMES R. Some information on the incidence of corn ear rots in the 1933 crop. *Plant Disease Reporter* 18(15): 186-189. Dec. 1, 1934.
6365. & MIDDLETON, JOHN T. Pathogenicity and occurrence in Wisconsin soils of Pythium species which cause seedling disease in corn. (Abstract) *Phytopathology* 40(1):13. Jan. 1950.
6366. , HOLBERT, JAMES R. & DICKSON, J. G. The relation of maturity of seed to seedling-blight susceptibility in dent corn. (Abstract) *Phytopathology* 22(1):12. Jan. 1932.
Gibberella saubinetii.
6367. HUME, A. N. & FRANZKE, C. J. The germination of seed corn and its relation to the occurrence of molds during germination. *South Dakota Agricultural Experiment Station Bulletin no. 275. 1933.* 18 p.
6368. HUMPHREY, H. B. & OTHERS. The rusts of cereal crops. *U. S. Department of Agriculture Circular no. 341. 1935.* 27 p.
6369. HURD-KARRER, ANNIE MAY & HASSELBRING, HEINRICH. Effect of smut (Ustilago zae) on the sugar content of cornstalks. *Journal of Agricultural Research* 34(2):191-195. Jan. 15, 1927.
6370. HURST, W. M. & OTHERS. Equipment for applying dust fungicides to seed grain. *U. S. Department of Agriculture Circular no. 415. 1936.* 20 p.

6371. HUTCHINS, H. L. & LUTMAN, B. F. Spine development on the spores of Ustilago zae. *Phytopathology* 28(11):859-860. Nov. 1938.
6372. IMMER, F. R. The inheritance of reaction to Ustilago zae in maize. Minnesota Agricultural Experiment Station Technical Bulletin 51. 1927. 62 p.
6373. _____ & CHRISTENSEN, J. J. Determination of losses due to smut infections in selfed lines of corn. *Phytopathology* 18(7):599-602. July 1928.
6374. _____ & CHRISTENSEN, J. J. Further studies on reaction of corn to smut and effect of smut on yield. *Phytopathology* 21(6):661-674. June 1931.
6375. _____ & CHRISTENSEN, J. J. Influence of environmental factors on the seasonal prevalence of corn smut. *Phytopathology* 18(7):589-598. July 1928.
6376. _____ & CHRISTENSEN, J. J. The reaction of selfed lines and crosses of maize to Ustilago zae. *Phytopathology* 15(11):699-707. Nov. 1925.
6377. JENKINS, MERLE T. & ROBERT, ALICE L. Evaluating the breeding potential of inbred lines of corn resistant to the leaf blight caused by Helminthosporium turcicum. *Agronomy Journal* 51(2):93-96. Feb. 1959.
6378. _____ & ROBERT, ALICE L. Inheritance of resistance to the leaf blight of corn caused by Helminthosporium turcicum. *Agronomy Journal* 44(3):136-140. Mar. 1952.
6379. _____, ROBERT, ALICE L. & FINDLEY, WILLIAM R. Genetic studies of resistance to Helminthosporium turcicum in maize by means of chromosomal translocations. In *International Genetics Symposia*, Tokyo, 1956. Proceedings. Tokyo, Science Council of Japan, 1957. pp. 421-424.
Also in: *Agronomy Journal* 49(4):197-201. April 1957.
6380. _____, ROBERT, ALICE L. & FINDLEY, WILLIAM R. Inheritance of resistance to Helminthosporium turcicum leaf blight in populations of F₃ progenies. *Agronomy Journal* 44(8):438-442. Aug. 1952.
6381. _____, ROBERT, ALICE L. & FINDLEY, WILLIAM R. Reaction of inbred lines of corn to Helminthosporium turcicum Pass. in different seasons. *Agronomy Journal* 49(9):481-483. Sept. 1957.
6382. _____, ROBERT, ALICE L. & FINDLEY, WILLIAM R. Recurrent selection as a method for concentrating genes for resistance to Helminthosporium turcicum leaf blight in corn. *Agronomy Journal* 46(2):89-94. Feb. 1954.

6383. JENNINGS, PETER R. & ULLSTRUP, ARNOLD J. A histological study of three Helminthosporium leaf blights of corn. *Phytopathology* 47(12): 707-714. Dec. 1957.
6384. _____ & ULLSTRUP, ARNOLD J. Host-parasite relations of northern corn leaf blight. (Abstract) *Phytopathology* 47(1):18. Jan. 1957.
6385. JOHANN, HELEN. Penicillium injury to corn seedlings. *Phytopathology* 18(2):239-242. Feb. 1928.
6386. _____ Phoma terrestris in the roots of mature maize plants. *Phytopathology* 33(6):526-528. June 1943.
6387. _____ Scolecospores in Diplodia zeae. *Phytopathology* 29(1):67-71. Jan. 1939.
6388. _____ & DICKSON, ALLAN D. A soluble substance in cornstalks that retards growth of Diplodia zeae in culture. *Journal of Agricultural Research* 71(3):89-110. Aug. 1, 1945.
6389. _____, DICKSON, JAMES G. & WINELAND, GRACE. Relation of environment to infection of corn seedlings by Diplodia zeae (Schw.) Lev. (Abstract) *Phytopathology* 13(1):52-53. Jan. 1923.
6390. _____, HOLBERT, JAMES R. & DICKSON, JAMES G. Further studies on Penicillium injury to corn. *Journal of Agricultural Research* 43(9):757-790. Nov. 1, 1931.
Abstract in *Phytopathology* 19(1):105. Jan. 1929.
6391. _____, HOLBERT, JAMES R. & DICKSON, JAMES G. A Pythium seedling blight and root rot of dent corn. *Journal of Agricultural Research* 37(8):443-464. Oct. 15, 1928.
6392. JOHNS, D. M. & BROWN, H. B. Effect of date of planting on corn yields, insect infestation, and fungous diseases. *Louisiana Agricultural Experiment Station Bulletin no. 327.* 1941. 28 p.
6393. JOHNSON, EDWARD C. The smuts of wheat, oats, barley, and corn. *U. S. Department of Agriculture Farmers' Bulletin 507.* 1912. 32 p.
6394. JOHNSON, I. J. & CHRISTENSEN, J. J. Relation between number, size, and location of smut infections to reduction in yield of corn. *Phytopathology* 25(2):223-233. Feb. 1935.
6395. JOHNSON, JAMES. Water-congestion and fungus parasitism. *Phytopathology* 37(6):403-417. June 1947.
Corn rust (Puccinia sorghi Schw.), pp. 413-414.

6396. JOHNSON, J. RALPH. The effects of a series of seed protectants on repression of fungi in and on corn seed and their effect on growth of seedling corn. (Abstract) *Phytopathology* 42(5): 284. May 1952.
6397. JOHNSON, LEANDER F. Antibiosis in relation to Pythium root rot of sugarcane and corn. *Phytopathology* 44(2):69-73. Feb. 1954.
6398. _____ Recontamination of sterilized soil with relation to Pythium root rot of sugar cane and corn. (Abstract) *Phytopathology* 42(1):12-13. Jan. 1952.
6399. _____ & WHEELER, H. E. The effect of actinomycetes antibiotic to Pythium arrhenomanes in plate cultures on root rot of sugarcane and corn. (Abstract) *Phytopathology* 42(5):284. May 1952.
6400. JONES, EDITH SEYMOUR. Influence of temperature on the spore germination of Ustilago zae. *Journal of Agricultural Research* 24(7):593-597. May 19, 1923.
6401. JORGENSEN, L. R. Effect of smut infection on the yield of selfed lines and F_1 crosses in maize. *American Society of Agronomy. Journal* 21(11):1109-1112. Nov. 1929.
6402. JOSEPHSON, L. M. & JOHNSON, E. M. Crazy top of corn in Kentucky. *Plant Disease Reporter* 31(2):69-70. Feb. 15, 1947.
6403. KARLING, J. S. A new fungus with anteriorly uniciliate zoospores: Hypochytrium catenoides. *American Journal of Botany* 26(7):512-519. July 1939.
6404. KELLERMAN, W. A. Corn smut. *Kansas Agricultural Experiment Station Bulletin* no. 23:101-105. 1891.
6405. KELMAN, ARTHUR & HEBERT, T. T. Evaluation of techniques for inoculating corn with Physoderma maydis. (Abstract) *Phytopathology* 42(5):284-285. May 1952.
6406. _____ & HEBERT, T. T. Influence of light on the germination of sporangia of Physoderma zae-maydis. (Abstract) *Phytopathology* 41(1):20. Jan. 1951.
6407. KENDRICK, E. L. The influence of environment on the physiology and pathogenicity of Pythium species on corn seedlings. (Abstract) *Phytopathology* 43(9):477. Sept. 1953.
6408. KENT, G. C. The inhibiting substance formed by Diplodia zae. (Abstract) *Phytopathology* 28(1):12. Jan. 1938.

6409. KENT, G. C. An inhibitor produced by Diplodia zae (Schw.) Lev. Iowa Agricultural Experiment Station Research Bulletin 274: 653-671. 1940.
6410. _____ The production of spores of Diplodia zae in culture. (Abstract) Phytopathology 32(1):12. Jan. 1942.
6411. KERNKAMP, MILTON F. Genetic and environmental factors affecting growth types of Ustilago zae. Phytopathology 29(6):473-484. June 1939.
6412. _____ The relative effect of environmental and genetic factors on growth types of Ustilago zae. Phytopathology 32(7):554-567. July 1942.
6413. _____ & MARTIN, W. J. The pathogenicity of paired haploid lines of Ustilago zae versus the pathogenicity of numerous mixed haploids. Phytopathology 31(11):1051-1053. Nov. 1941.
6414. _____ & PETTY, M. A. Variation in the germination of chlamydospores of Ustilago zae. Phytopathology 31(4):333-340. April 1941.
6415. KIESSELBACH, T. A. Competition as a source of error in comparative corn yields. American Society of Agronomy. Journal 15(5): 199-215. May 1923.
6416. _____ Field experiments with seed corn treatments and crop stimulants. Nebraska Agricultural Experiment Station Bulletin 218. 1927. 15 p.
6417. _____ Field tests with treated seed corn. Journal of Agricultural Research 40(2):169-189. Jan. 15, 1930.
6418. _____ & CULBERTSON, J. O. An analysis of the effects of Diplodia infection and treatment of seed corn. Journal of Agricultural Research 42(11):723-749. June 1, 1931.
6419. KINGSLOVER, C. H. & YUAN, C. T. Studies on Helminthosporium carbonum Ullstrup on corn. (Abstract) Phytopathology 40(1):15. Jan. 1950.
6420. KINSEL, KATHERINE. Carbohydrate utilization by the corn Diplodias. Phytopathology 27(11):1119-1120. Nov. 1937.
6421. KIRBY, R. S. The improved rag-doll germinator box. (Abstract) Phytopathology 12(1):30-31. Jan. 1922.

6422. KLEWER, W. M. & KENNEDY, W. K. Fungicides used for the storage of moist grain. *Agronomy Journal* 50(8):493. Aug. 1958.
6423. KOCH, L. W. & MURWIN, H. F. The hybrid corn industry in Ontario: pathological and other problems. *Empire Journal of Experimental Agriculture* 13(50):100-111. April 1945.
6424. KOEHLER, BENJAMIN. Corn ear rots in Illinois. *Illinois Agricultural Experiment Station Bulletin* 639. 1959. 87 p.
6425. _____ Corn pericarp injuries and seedling diseases. (Abstract) *Phytopathology* 36(5):403. May 1946.
6426. _____ Corn seedling blight in dry soil. (Abstract) *Phytopathology* 43(9):477. Sept. 1953.
6427. _____ Crazy top of corn. *Phytopathology* 29(9):817-820. Sept. 1939.
6428. _____ Development of corn ear rot from pure-culture inoculations. (Abstract) *Phytopathology* 20(1):118. Jan. 1930.
6429. _____ Fungus growth in shelled corn as affected by moisture. *Journal of Agricultural Research* 56(4):291-307. Feb. 15, 1938.
6430. _____ Husk coverage and ear declination in relation to corn ear rots. (Abstract) *Phytopathology* 41(1):22. Jan. 1951.
6431. _____ Loss of leaf area increases damage from Gibberella stalk rot. (Abstract) *Phytopathology* 43(9):477-478. Sept. 1953.
6432. _____ Moisture of shelled corn in relation to fungus growth. (Abstract) *Phytopathology* 22(1):15. Jan. 1932.
6433. _____ Natural mode of entrance of fungi into corn ears and some symptoms that indicate infection. *Journal of Agricultural Research* 64(8):421-442. April 15, 1942.
6434. _____ Pathologic significance of seed-coat injury in dent corn. (Abstract) *Phytopathology* 25(1):24. Jan. 1935.
6435. _____ Pericarp injuries in seed corn: prevalence in dent corn and relation to seedling blights. *Illinois Agricultural Experiment Station Bulletin* 617. 1957. 72 p.
6436. _____ Rapid seed-corn drying checks seed infection. (Abstract) *Phytopathology* 30(1):14. Jan. 1940.

6437. KOEHLER, BENJAMIN. Seed treatment tests with crown-injured corn. (Abstract) *Phytopathology* 28(1):13. Jan. 1938.
6438. _____ Some conditions influencing the results from corn seed treatment tests. *Phytopathology* 44(10):575-583. Oct. 1954.
6439. _____ Studies on the scutellum rot disease of corn. *Phytopathology* 17(7):449-471. July 1927.
Rhizopus spp.
6440. _____ & BOEWE, G. H. Gibberella zeae damage in Illinois in 1946. *Plant Disease Reporter* 31(4):169-170. April 15, 1947.
6441. _____ & DUNGAN, GEORGE H. Disease infection and field performance of bin-and-hanger-dried seed corn. American Society of Agronomy. *Journal* 32(10):768-781. Oct. 1940.
6442. _____ & PETTINGER, N. A. Diseases in Illinois seed corn as found in the Fifth Utility Corn Show. Illinois Agricultural Experiment Station Circular no. 299. 1925. 8 p.
6443. _____ & WOODWORTH, CLYDE M. Corn-seedling virescence caused by Aspergillus flavus and A. tamarii. *Phytopathology* 28(11):811-823. Nov. 1938.
6444. _____, DICKSON, JAMES G. & HOLBERT, JAMES R. Wheat scab and corn rootrot caused by Gibberella saubinetii in relation to crop successions. *Journal of Agricultural Research* 27(11):861-880. Mar. 15, 1924.
6445. _____, DUNGAN, G. H. & BURLISON, W. L. Maturity of seed corn in relation to yielding ability and disease infection. American Society of Agronomy. *Journal* 26(4):262-274. April 1934.
6446. _____, DUNGAN, G. H. & HOLBERT, JAMES R. Factors influencing lodging in corn. Illinois Agricultural Experiment Station Bulletin no. 266:309-371. 1925.
6447. KOMMEDAHL, THOR. Crop rotation good insurance against seedling blights. *Ohio Farm & Home Research* 38(283):74-75, 79. July-Aug. 1953.
6448. _____ The effect of KH_2PO_4 on germination of chlamydospores from Ustilago zeae (Beckm.) Ung. (Abstract) *Phytopathology* 43(9):478. Sept. 1953.

6449. KOMMEDAHL, THOR. The incidence of Fusarium and Rhizoctonia-infected plants in wheat, corn, and oats. (Abstract) Phytopathology 42(9):468-469. Sept. 1952.
6450. _____ Spore germination in Ustilago zaeae as influenced by KH_2PO_4 . Mycologia 46(2):151-156. Mar.-April 1954.
6451. _____ & BROCK, THOMAS D. Studies on the relationship of soil mycoflora to disease incidence. Phytopathology 44(2):57-61. Feb. 1954.
6452. _____ & YOUNG, H. C. Effect of host and soil substrate on the persistence of Fusarium and Rhizoctonia in soil. Plant Disease Reporter 40(1):28-29. Jan. 15, 1956.
6453. KYLE, C. H. Relation between the vigor of the corn plant and its susceptibility to smut (Ustilago zaeae). Journal of Agricultural Research 41(3):221-231. Aug. 1, 1930.
6454. _____ Relation of husk covering to smut of corn ears. U. S. Department of Agriculture Technical Bulletin no. 120. 1929. 7 p.
6455. LANDEN, ERNEST W. Spectral sensitivity of spores and sporidia of Ustilago zaeae to monochromatic ultra-violet light. (Abstract) American Journal of Botany 25(10):14s-15s. Dec. 1938.
6456. LARSH, HOWARD W. Corn diseases in Oklahoma. Plant Disease Reporter 27(22):614. Nov. 1, 1943.
Ustilago maydis and Sclerotium bataticola.
6457. LEAF STRIPE disease caused by Helminthosporium inconspicuum or Helminthosporium turcicum. Plant Disease Bulletin (U.S.D.A.) 1(3):51. Sept. 15, 1917.
6458. LEBEN, CURT & KEITT, G. W. Bioassay of tetrachethylthiuramdisulfide. Phytopathology 40(10):950-954. Oct. 1950.
6459. LeBLEAU, FRANCIS J. The relation of environmental factors and antagonistic organisms to root rot of sugarcane and corn. In International Society of Sugar Cane Technologists, 6th Congress, Baton Rouge, La., 1938. Proceedings. Baton Rouge, 1939. pp. 342-347.
6460. LEFEBVRE, C. L. A destructive fungous disease of the corn borer. (Abstract) Phytopathology 21(1):124-125. Jan. 1931.
6461. _____ Preliminary observations on two species of Beauveria attacking the corn borer, Pyrausta nubilalis Hubner. Phytopathology 21(12):1115-1128. Dec. 1931.

6462. LEFEBVRE, C. L. & SHERWIN, HELEN S. Races of Helminthosporium turcicum. (Abstract) *Phytopathology* 35(6):487. June 1945.
6463. LENG, EARL R. Differential reaction to Penicillium seedling disease of corn. *Agronomy Journal* 41(9):435-439. Sept. 1949.
6464. LEONIAN, LEON H. Dissociations and associations in some strains of Fusarium moniliforme. (Abstract) *Phytopathology* 20(1):144. Jan. 1930.
6465. _____ The pathogenicity and the variability of Fusarium moniliforme from corn. West Virginia Agricultural Experiment Station Bulletin 248. 1932. 15 p.
6466. LeROUX, P. M. & DICKSON, J. G. Physiology, specialization, and genetics of Puccinia sorghi on corn and of Puccinia purpurea on sorghum. *Phytopathology* 47(2):101-107. Feb. 1957.
6467. _____ & OTHERS. A genetic basis for rust reaction on corn. (Abstract) *Phytopathology* 44(9):496. Sept. 1954.
6468. LEUKEL, R. W. Use of chemicals in cereal seed treatment. *Agricultural Chemicals* 5(8):27-30, 75-76; (9):47, 49. Aug., Sept. 1950.
6469. _____ & TAPKE, V. F. Cereal smuts and their control. U. S. Department of Agriculture Farmers' Bulletin no. 2069. 1954. 28 p.
6470. LICHTWARDT, R. W., BARRON, G. L. & TIFFANY, L. H. Mold flora associated with shelled corn in Iowa. *Iowa State College Journal of Science* 33(1):1-11. Aug. 1958.
6471. LIVINGSTON, J. E. Charcoal rot of corn and sorghum in Nebraska. *Plant Disease Reporter* 26(11):50-52. Feb. 1, 1942.
6472. _____ Charcoal rot of corn and sorghum. *Nebraska Agricultural Experiment Station Research Bulletin* 136. 1945. 32 p.
6473. _____ Effect of controlled low temperature on the emergence of seedlings from artificially dried seed corn. (Abstract) *Phytopathology* 41(1):24. Jan. 1951.
6474. _____ Effect of low temperature on the germination of artificially dried seed corn. *Nebraska Agricultural Experiment Station Research Bulletin* 169. 1951. 14 p.
6475. LYMAN, G. R. The relation of phytopathologists to plant disease survey work. *Phytopathology* 8(5):219-228. May 1918. Corn, pp. 223-224.

6476. McCALLAN, S. E. A. Outstanding diseases of agricultural crops and uses of fungicides in the United States. Boyce Thompson Institute. Contributions 14(3):105-115. April 1946.
6477. McCLELLAND, C. K. & YOUNG, V. H. Seed corn treatments in Arkansas. American Society of Agronomy. Journal 26(3): 189-195. Mar. 1934.
6478. McLINDE, K. G. The inheritance of the reaction of maize to Gibberella saubinetii. Phytopathology 21(6):615-639. June 1931.
6479. MCKEEN, W. E. A corn root and stalk-rot complex hitherto known as Gibberella zeae stalk rot. (Abstract) Phytopathology 41(1):26. Jan. 1951.
6480. _____ An exceptionally early outbreak of corn rust in Canada. Plant Disease Reporter 35(8):367. Aug. 15, 1951.
6481. _____ A hitherto unreported corn disease. Plant Disease Reporter 36(4):143, 144. April 15, 1952.
Curvularia inaequalis, Alternaria sp.
6482. _____ Phialophora radicicola Cain, a corn rootrot pathogen. Canadian Journal of Botany 30(3):344-347. May 1952.
6483. _____ Seedling susceptibility of dent corn inbreds to rootrot caused by Pythium arrhenomanes. Scientific Agriculture (Canada) 31(11):475-479. Nov. 1951.
6484. MACKIE, W. W. Head smut in sorghum and maize. Phytopathology 10(5):307-308. May 1920.
6485. _____ A hitherto unreported disease of maize and beans. Phytopathology 22(7):637-644. July 1932.
Charcoal rot.
6486. _____ A new disease of maize and beans. (Abstract) Phytopathology 21(10):996. Oct. 1931.
Rhizoctonia bataticola.
6487. McLAUGHLIN, J. HARVEY. Corn seed treatment in Oklahoma. Oklahoma Agricultural Experiment Station Bulletin B-294. 1946. 14 p.
6488. MACMILLAN, H. G. An epidemic of corn smut following hail. Phytopathology 8(11):584-585. Nov. 1918.

6489. McNEW, GEORGE L. Crown infection of corn by Diplodia zeae. Iowa Agricultural Experiment Station Research Bulletin 216:187-222. 1937.
6490. _____ Parasitism of Diplodia zeae on the crown of the corn plant. (Abstract) Phytopathology 22(1):18. Jan. 1932.
6491. _____ Preliminary studies on the effect of filtrates from cultures of Diplodia zeae upon seedling blight of maize. In Iowa State College. Symposia commemorating six decades of the modern era in botanical science, November 15 and 16, 1934. Ames, 1935. pp. 267-273. (Reprinted from Iowa State College. Journal of Science, vol. 9, 1935).
6492. MAHER, COLIN. Ear rots and root rots of maize in Kenya and some suggestions for their control. Kenya Colony and Protectorate Department of Agriculture Bulletin no. 5. 1931. 22 p.
6493. MAINS, EDWIN B. Host specialization of Puccinia sorghi. Phytopathology 24(4):405-411. April 1934.
6494. _____ Inheritance of resistance to rust, Puccinia sorghi, in maize. Journal of Agricultural Research 43(5):419-430. Sept. 1, 1931.
6495. _____, TROST, F. J. & SMITH, G. M. Corn resistant to rust, Puccinia sorghi. (Abstract) Phytopathology 14(1):47-48. Jan. 1924.
6496. MAIZE cob rot. (Editorial) Rhodesia Agricultural Journal 45(4): 291-292. July-Aug. 1948.
Diplodia
6497. MALADIE DES boeufs et des moutons causee par le mais attaque par le Diplodia zea. Revue de Botanique Appliquee et d'Agriculture Coloniale 6(59-60):445-446. July-Aug. 1926.
6498. MANEVAL, W. E. The viability of uredospores. Phytopathology 14(9):403-407. Sept. 1924.
Puccinia sorghi on Zea mays, p. 405.
6499. MANNS, THOMAS F. & ADAMS, JAMES F. Corn root rot diseases. Delaware Agricultural Experiment Station Bulletin no. 128. 1921. 24 p.
6500. _____ & ADAMS, JAMES F. Parasitic fungi internal of seed corn. Journal of Agricultural Research 23(7):495-524. Feb. 17, 1923.

6501. MANNS, THOMAS F. & PHILLIPS, CLAUDE E. Corn rootrot studies. Journal of Agricultural Research 27(12): 957-964. Mar. 22, 1924.
6502. MARCHIONATTO, JUAN B. El "verdin" del maiz. Buenos Aires. Facultad de Agronomia y Veterinaria. Revista 9(3): 159-169. Feb. 1942. Penicillium sp. Summary in English.
6503. MARTINEZ, JUVENTINO. Tratamientos de las semillas en los cultivos de maiz, hortalizas y sorgos. En Asamblea Latinoamericana de Fitoparasitologia, 1a, Mexico, D. F., 1950. Trabajos presentados. Mexico, Secretaria de Agricultura y Ganaderia, Oficina de Estudios Especiales, Folleto Miscelaneo no. 4. 1951. pp. 162-165.
6504. MATSUSHIMA, TAKASHI & KLUG, ROBERT J. Utilization of L-sorbose by monosporidial lines and mutants of Ustilago maydis. American Journal of Botany 45(3): 165-168. Mar. 1958.
6505. MEIFFREN, M. La maladie du mais au Dahomey. Bingerville, Cote d'Ivoire, Centre de Recherches Agronomiques, Bulletin no. 1. 1950. pp. 22-27. Puccinia sorghi
6506. _____ Maladie du mais au Dahomey. Bingerville, Cote d'Ivoire, Centre de Recherches Agronomiques, Bulletin no. 4. 1951. pp. 20-22.
6507. MELCHERS, LEO E. Downy mildew of sorghum and maize in Egypt. Phytopathology 21(2): 239-240. Feb. 1931.
6508. _____ Ecologic and physiologic notes on corn smut, Ustilago zeae. (Abstract) Phytopathology 11(1): 32. Jan. 1921.
6509. _____ Fungi associated with Kansas hybrid seed corn. Plant Disease Reporter 40(6): 500-506. June 15, 1956.
6510. _____ Physoderma (Zea maydis?) in Kansas. Phytopathology 8(1): 38-39. Jan. 1918.
6511. _____ Smuts of grain and forage crops in Kansas. Kansas Agricultural Experiment Station Bulletin no. 210. 1916. 39 p.
6512. _____ Smuts of cereal and forage crops in Kansas and their control. Kansas Agricultural Experiment Station Bulletin 332. 1948. 36 p.

6513. MELCHERS, LEO E. & BRUNSON, ARTHUR M. Effect of chemical treatments of seed corn on stand and yield in Kansas. American Society of Agronomy. Journal 26(11):909-917. Nov. 1934.
6514. _____ & JOHNSTON, C. O. Corn root, stalk, and ear rot disease investigations in Kansas; report of progress, 1922. (Abstract) Phytopathology 13(1):52. Jan. 1923.
6515. _____ & JOHNSTON, C. O. Second progress report on studies of corn seed germination and the prevalence of Fusarium moniliforme and Diplodia zeae. (Abstract) Phytopathology 14(1):45. Jan. 1924.
6516. MELHUS, IRVING E. & DAVIS, GLEN N. Nodal infection with the corn-smut organism. (Abstract) Phytopathology 21(1):129. Jan. 1931.
6517. _____ & DURRELL, L. W. Dry rot of corn. Iowa Agricultural Experiment Station Circular no. 78. 1922. 8 p.
6518. _____ & SMITH, FRANK O. Helminthosporium leaf blight of corn in Guatemala. Turrialba 3(1-2):14-22. Enero-Junio 1953.
6519. _____ & VAN HALTERN, FRANK. Sclerospora on corn in America. Phytopathology 15(11):720-721. Nov. 1925.
6520. _____ & VAN HALTERN, FRANK. Sclerospora graminicola on corn. (Abstract) Phytopathology 16(1):85-86. Jan. 1926.
6521. _____, SEMENIUK, GEORGE & VESTAL, EDGAR F. Helminthosporium turcicum leaf blight of maize in Guatemala. Iowa Agricultural Experiment Station Research Bulletin 371:615-624. 1949.
Resumen en espanol, pp. 624-625.
6522. _____, VAN HALTERN, FRANK & BLISS, D. E. A study of the downy mildew, Sclerospora graminicola (Sacc.) Schroet. (Abstract) Phytopathology 17(1):57. Jan. 1927.
6523. _____, VAN HALTERN, FRANK & BLISS, DONALD E. A study of Sclerospora graminicola (Sacc.) Schroet. on Setaria viridis (L.) Beauv. and Zea mays L. Iowa Agricultural Experiment Station Research Bulletin no. 111:293-338. 1928.
6524. _____ & OTHERS. Seed treatment for corn diseases. Iowa Agricultural Experiment Station Circular no. 108. 1928. 16 p.
Diplodia, Basisporium and Gibberella dry rots.

6525. MENZIES, J. D. & STANBERRY, C. O. The effect of terminal smut galls on yield and seed grade of detasseled hybrid corn. (Abstract) *Phytopathology* 37(5):363. May 1947.
6526. MEREDITH, CLIFFORD H. Relation between the condition of the seedling root system of corn and the grain. (Abstract) *Phytopathology* 38(1):17-18. Jan. 1948.
6527. MERRILL, LEWIS A. & ELIASON, B. F. The grain smuts; their cause, nature and methods of prevention. Utah Agricultural Experiment Station Bulletin no. 84:33-44. 1903.
6528. MESSIAEN, C. M. & LAFON, R. Les champignons nuisibles aux semis de maïs. I. Organismes responsables et conditions d'infection. France. Institut National de la Recherche Agronomique. Annales. Series C. Annales des Epiphyties 8(1):111-126. Jan.-Mar. 1957.
6529. MEULEN, EVART VANDER & HENKE, FRED. Cold testing of seed corn. *Seed World* 63(7):8, 10. Oct. 7, 1948.
6530. MEYERS, MARION T. The influence of broken pericarp on the germination and yield of corn. American Society of Agronomy. Journal 16(8): 540-550. Aug. 1924.
6531. MICHAELSON, MERLE E. Factors affecting development of stalk rot of corn caused by Diplodia zeae and Gibberella zeae. *Phytopathology* 47(8):499-503. Aug. 1957.
6532. _____ A laboratory method for testing reaction of corn to stalk-rotting organisms. (Abstract) *Phytopathology* 41(1):26. Jan. 1951.
6533. _____ & CHRISTENSEN, J. J. Reduction in yield of corn due to stalk rot. (Abstract) *Phytopathology* 43(9):479. Sept. 1953.
6534. MILLER, JULIAN H. The presence of internal mycelium in corn grains in relation to external symptoms of corn ear rot. (Abstract) *Phytopathology* 42(5):286. May 1952.
6535. MITCHELL, H. H. & BEADLES, JESSIE R. The impairment in nutritive value of corn grain damaged by specific fungi. *Journal of Agricultural Research* 61(2):135-141. July 15, 1940.
6536. MITRA, M. Helminthosporium spp. on cereals and sugarcane in India. I. Diseases of Zea mays and Sorghum vulgare caused by species of Helminthosporium. India Department of Agriculture Memoirs 11(10):219-242. 1923. (Botanical series).

6537. MONTELLANO, PEDRO. Herencia de la resistencia al chahuixtle en el maiz. En Asamblea Latinoamericana de Fitogenetistas, 1a, Mexico, D. F., 1949. Trabajos presentados. Mexico, Secretaria de Agricultura y Ganaderia, Oficina de Estudios Especiales, Folleto Miscelaneo no. 3. 1950. pp. 13-14.
6538. MORWOOD, R. B. Control of field crop diseases. Queensland Agricultural Journal 66(1):20-23. Jan. 1948.
Corn diseases, pp. 21, 22.
6539. _____ Report of maize Diplodia experiments, 1930-31. Queensland Agricultural Journal 38(1):22-23. July 1932.
6540. MOULTON, JAMES E. Extraction of auxin from maize, from smut tumors of maize, and from Ustilago zeae. Botanical Gazette 103(4):725-739. June 1942.
6541. _____ & LINK, G. K. K. Auxin production by Ustilago zeae grown on a medium free of tryptophane. (Abstract) Phytopathology 30(1):17. Jan. 1940.
6542. MULLER, ALBERT S. Doencas do milho em Minas Geraes. Boletim de Agricultura, Zootecnia e Veterinaria (Brasil) 7(11):307-311. Nov. 1934.
Diplodia, Ustilago, Puccinia, Helminthosporium.
6543. _____ Estudo sobre a podridao secca em espigas de milho. Boletim de Agricultura, Zootecnia e Veterinaria (Brasil) 8(11-12):163-171. Nov.-Dez. 1935.
6544. MUNNECKE, DONALD E. An unusual host response to certain paired monosporidial cultures of Ustilago zeae. (Abstract) Phytopathology 38(1):19. Jan. 1948.
6545. MURILLO PERALTA, GABRIEL. Resistencia del maiz al Fusarium moniliforme Sheld. En Asamblea Latinoamericana de Fitoparásitologia, 1a, Mexico, D. F., 1950. Trabajos presentados. Mexico, Secretaria de Agricultura y Ganaderia, Oficina de Estudios Especiales, Folleto Miscelaneo no. 4. 1951. pp. 52-57.
6546. NATTRASS, R. M. Note on Puccinia polysora rust of maize in Kenya. East African Agricultural Journal 19(4):260. April 1954.
6547. _____ Preliminary notice of the occurrence in Kenya of a rust (Puccinia polysora) on maize. East African Agricultural Journal 18(1):39-40. July 1952.

6548. NAVARRO CARDONA, AGUSTIN. Enfermedades de los cereales y medios de combatirlas. *Fitofilo* (Mexico) 1(4):25-35. Sept. 1942.
Tilletia, Ustilago, Puccinia, Diplodia.
6549. NELSON, R. R. Heterothallism in Helminthosporium maydis. *Phytopathology* 47(4):191-192. April 1957.
6550. _____ & OSBORNE, J. CLARK. The relative prevalence and geographic distribution of fungi associated with moldy corn in eastern North Carolina in 1955. *Plant Disease Reporter* 40(3):225-227. Mar. 15, 1956.
6551. NIEDERHAUSER, JOHN S. Diseases in southeastern Pennsylvania. *Plant Disease Reporter* 28(29):901. Sept, 15, 1944.
6552. NORTH CAROLINA. AGRICULTURAL EXPERIMENT STATION. Develop control for corn leaf spot diseases. *Research & Farming Progress Report* 6(3):11. April 1948. (70th annual report, 1947).
Helminthosporium maydis
6553. NORTHERN leaf blight does not reduce feeding value of corn. *What's New in Crops & Soils* 4(6):29. Mar. 1952.
6554. UNE NOUVELLE rouille du maïs. Institut National pour l'Etude Agronomique du Congo Belge (INEAC). *Bulletin d'Information* 2(2):137-138. Avril 1953.
Puccinia polysora
6555. NOWELL, WILLIAM. Diseases of crop-plants in the Lesser Antilles. London, England, West India Committee, 1923? 383 p.
Corn diseases, pp. 256-261.
6556. OBREGON BOTERO, RAFAEL. El "carbon" o "tizon" del maiz. Colombia, Ministerio de la Economia Nacional, Boletin no. 2:7-11. Nov. 1940.
6557. ORILLO, FAUSTINO T. Leaf spot of maize caused by Helminthesperium maydis. *Philippine Agriculturist* 36(7-8):327-392. Dec. 1952-Jan. 1953
6558. OTTO, HARLEY J. & EVERETT, HERBERT L. Influence of nitrogen and potassium fertilization on the incidence of stalk rot of corn. *Agronomy Journal* 48(7):301-305. July 1956.
6559. PADY, STUART M. Diseases of corn and sorghum in the Kansas-Nebraska area. *Plant Disease Reporter* 27(21):563-564. Oct. 22, 1943.
6560. _____ Diseases of corn in central and eastern Kansas. *Plant Disease Reporter* 27(22):615. Nov. 1, 1943.
Diplodia, Sclerotium and Ustilago.

6561. PAMEL, L. H. Experiments with fungicides. Iowa Agricultural Experiment Station Bulletin no. 16: 315-329. 1892.
Corn smut, pp. 315-324.
6562. _____ & STEWART, F. C. Prevention of corn and oats smut. Iowa Agricultural Experiment Station Bulletin no. 20: 721-728. 1893.
Corn smut, pp. 726-728.
6563. _____, KING, CHARLOTTE M. & SEAL, J. L. Corn stalk and corn root diseases in Iowa. Iowa Agricultural Experiment Station Circular no. 21. 1915. 8 p.
6564. _____, KING, CHARLOTTE M. & SEAL, J. L. Studies on a Fusarium disease of corn and sorghum (preliminary). Iowa Agricultural Experiment Station Research Bulletin no. 33: 113-136. 1916.
6565. PATE, JAMES B. Studies on Helminthosporium maydis and Helminthosporium carbonum leaf-spot diseases of corn. (Abstract) Phytopathology 40(8): 790. Aug. 1950.
6566. _____ & HARVEY, P. H. Studies on the inheritance of resistance in corn to Helminthosporium maydis leaf spot. Agronomy Journal 46(10): 442-445. Oct. 1954.
6567. PATEL, M. K. Production of oospores by Sclerospora sorghi on maize. Indian Phytopathology 2(1): 52-57. 1949.
6568. PARK, DAVID. West African Maize Rust Research Unit. Nature (London) 178(4539): 904-905. Oct. 27, 1956.
6569. PEARSON, NORMA L. Parasitism of Gibberella saubinetii on corn seedlings. Journal of Agricultural Research 43(7): 569-596. Oct. 1, 1931.
6570. PEPPER, BAILEY B. & HAENSELER, C. M. Control of European corn borer and ear smut on sweet corn with dusts and sprays. New Jersey Agricultural Experiment Station Circular 486. 1944. 14 p.
6571. _____ & HAENSELER, C. M. Controlling European corn borer and ear smut on sweet corn in the home garden. New Jersey Agricultural Experiment Station Circular 487. 1944. 8 p.
6572. PERKINS, DAVID D. Biochemical mutants in the smut fungus Ustilago maydis. Genetics 34(5): 607-626. Sept. 1949.
6573. PETERS, A. T. A fungus disease in corn. In Nebraska Agricultural Experiment Station, 17th Annual report. Lincoln, 1904. pp. 13-22.

6574. PETTY, MILTON A. Physical and chemical adaptation and environmental "carry over" effects in Ustilago zeae. (Abstract) Phytopathology 32(1):14. Jan. 1942.
6575. PHYSODERMA DISEASE caused by Physoderma zeae maydis. Plant Disease Bulletin (U.S.D.A.) 1(1):9-10; (3):51-52; (7):116-119. Aug. 15, Sept. 15, Nov. 15, 1917.
6576. PIEMEISEL, F. J. Factors affecting the parasitism of Ustilago zeae. Phytopathology 7(4):294-307. Aug. 1917.
6577. PINCKARD, J. A. Diplodia macrospora causing leaf spot in Mississippi. Plant Disease Reporter 26(17):380. Sept. 15, 1942.
6578. PONTIS VIDELA, RAFAEL E. Una podredumbre del tallo de maiz (Zea mays L.) en Venezuela causada por Pythium aphanidermatum. Agronomia Tropical (Venezuela) 1(1):13-28. Abril-Junio 1951.
6579. POOS, F. W. Host plants harboring Aplanobacter stewarti without showing external symptoms after inoculation by Chaetocnema pulicaria. Journal of Economic Entomology 32(6):881-882. Dec. 1939.
6580. PORTER, C. L. The fungous flora of the nodes of corn. (Abstract) Phytopathology 17(1):41. Jan. 1927.
6581. _____ A study of the fungous flora of the nodal tissues of the corn plant. Phytopathology 17(8):563-568. Aug. 1927.
6582. POTTER, ALDEN A. Head smut of sorghum and maize. Journal of Agricultural Research 2(5):339-372. Aug. 15, 1914.
Sorosporium reilianum (Kiihn) McAlpine.
6583. _____ & MELCHERS, LEO E. Ecological observations on Ustilago zeae. (Abstract) Phytopathology 7(1):73-74. Feb. 1917.
6584. _____ & MELCHERS, LEO E. Study of the life history and ecologic relations of the smut of maize. Journal of Agricultural Research 30(2):161-173. Jan. 15, 1925.
Ustilago zeae
6585. PRIODE, C. N. Two hosts of the Pokkah-bong disease other than sugarcane. Phytopathology 23(8):672-674. Aug. 1933.
Fusarium on corn and sorghum.
6586. QASEM, SUBHI A. & CHRISTENSEN, CLYDE M. Influence of moisture content, temperature, and time on the deterioration of stored corn by fungi. Phytopathology 48(10):544-549. Oct. 1958.

6587. QUEBRAL, FLORENDO C. Anthracnose of corn. Philippine Agriculturist 42(6):250-263. Nov. 1958.
Colletotrichum graminicolum
6588. RALEIGH, W. P. Infection studies of Diplodia zeae (Schw.) Lev. and control of seedling blights of corn. Iowa Agricultural Experiment Station Research Bulletin no. 114: 93-121. 1930.
6589. RANDS, R. D. & DOPP, ERNEST. Variability in Pythium arrhenomanes in relation to root rot of sugarcane and corn. Journal of Agricultural Research 49(3):189-221. Aug. 1, 1934.
6590. RANKER, EMERY R. The nature of smut resistance in certain selfed lines of corn as indicated by filtration studies. Journal of Agricultural Research 41(8):613-619. Oct. 15, 1930.
6591. _____ Synthetic nutrient solutions for culturing Ustilago zeae. Journal of Agricultural Research 41(6):435-443. Sept. 15, 1930.
6592. REDDY, CHARLES S. Basisporium dry rot of corn. (Abstract) Phytopathology 22(1):22-23. Jan. 1932.
6593. _____ Basisporium dry rot of dent corn as related to temperature and cob reaction. (Abstract) Phytopathology 21(1):129-130. Jan. 1931.
6594. _____ Effects of seed treatment on disease-free and diseased seed corn. (Abstract) Phytopathology 26(2):105-106. Feb. 1936.
6595. _____ Fungicidal efficiency of chemical dusts containing furfural derivatives. Phytopathology 20(2):147-168. Feb. 1930.
6596. _____ Relation of rate of planting to the effect of corn seed treatment. In Iowa State College. Symposia commemorating six decades of the modern era in botanical science, November 15 and 16, 1934. Ames, 1935. pp. 313-324. (Reprinted from Iowa State College. Journal of Science, vol. 9, 1935).
6597. _____ Resistance of dent corn to Basisporium gallarum Moll. Iowa Agricultural Experiment Station Research Bulletin no. 167. 1933. 40 p.
6598. _____ & HOLBERT, JAMES R. The black-bundle disease of corn. Journal of Agricultural Research 27(4):177-206. Jan. 26, 1924.

6599. REDDY, CHARLES S. & HOLBERT, JAMES R. Experiments to show the effects of certain seed treatments on corn. (Abstract) *Phytopathology* 14(1): 44-45. Jan. 1924.
6600. _____ & HOLBERT, JAMES R. Further experiments with seed treatments for sweet-corn diseases. *Journal of Agricultural Research* 36(3): 237-247. Feb. 1, 1928.
6601. _____, HOLBERT, JAMES R. & ERWIN, A. T. Sweet corn seed treatment in 1925. (Abstract) *Phytopathology* 16(1): 65. Jan. 1926.
6602. REILLY, J. J. Correlation of seedling blight to stalk rot and nature of seedling resistance to Diplodia zaeae. (Abstract) *Phytopathology* 42(9): 473. Sept. 1952.
6603. REINKING, OTTO. Philippine plant diseases. *Phytopathology* 9(3): 114-140. Mar. 1919.
Corn diseases, pp. 139-140.
6604. REYES, GAUDENCIO M. An epidemic outbreak of the maize rust in Eastern and Central Visayas, Philippines. *Philippine Journal of Agriculture* 18(1-4): 115-127. First-Fourth Quarter 1953.
6605. _____ A note on the occurrence of a species of corn rust new to the Philippines. *Araneta Journal of Agriculture* 3(3): 68-71. July-Sept. 1956.
6606. _____ Recent outbreaks of maize rust in the Philippines.
FAO - Plant Protection Bulletin 6(3): 39-40. Dec. 1957.
Tambien en espanol bajo el titulo "Recientes brotes de la roya del maiz en las Filipinas" FAO - Boletin Fitosanitario 6(3): 39-40. Dic. 1957.
6607. RHIND, D. American maize rust in Africa. *World Crops* 6(3): 97-98. Mar. 1954.
6608. RICHEY, FREDERICK D. Formaldehyde treatment of seed corn. *American Society of Agronomy. Journal* 12(1): 39-43. Jan. 1920.
6609. RIKSH, SYAMANDA & DICKSON, J. G. The influence of light and temperature on the development of corn rust. (Abstract) *Phytopathology* 47(9): 532. Sept. 1957.
6610. ROBBINS, WILFRED W. & REINKING, OTTO A. Fungous diseases of Colorado crop plants. *Colorado Agricultural Experiment Station Bulletin* 212. 1915. 54 p.
Corn smut, p. 25.
6611. ROBERT, ALICE L. Cultural and pathogenic variability in single-conidial and hyphal-tip isolates of Helminthosporium turcicum Pass. U. S. Department of Agriculture Technical Bulletin no. 1058. 1952. 18 p.

6612. ROBERT, ALICE L. & JENKINS, MERLE T. Variability in monoconidial and hyphal-tip isolates of Helminthosporium turcicum. (Abstract) Phytopathology 39(6):504. June 1949.
6613. ROBLES, LEONEL H. Pathogenicity of isolates of corn root-rot organisms in Mexico. (Abstract) Phytopathology 38(1):22. Jan. 1948.
6614. _____ The pathogenicity of species of Helminthosporium on corn. Phytopathology 39(12):1020-1028. Dec. 1949.
6615. ROOT and stalk rots. Plant Disease Bulletin (U.S.D.A.) 2(8):125-127. Aug. 15, 1918.
Fusarium
6616. ROSARIO, MARIA SALOME E. DEL. The fungus causing black kernel rot of corn. Philippine Agriculturist 37(10):623-631. Mar. 1954.
6617. ROWELL, J. B. Functional role of compatibility factors and an in vitro test for sexual compatibility with haploid lines of Ustilago zaeae. Phytopathology 45(7):370-374. July 1955.
6618. _____ Functional role of factors for sexual compatibility in haploid lines of Ustilago zaeae. (Abstract) Phytopathology 44(9):504. Sept. 1954.
6619. _____ Segregation of sex factors in a diploid line of Ustilago zaeae induced by alpha radiation. Science 121(3139):304-306. Feb. 25, 1955.
6620. _____ & DeVAY, J. E. Factors affecting the partial vacuum inoculation of seedling corn with Ustilago zaeae. Phytopathology 43(12):654-658. Dec. 1953.
6621. _____ & DeVAY, J. E. Factors and results in the partial-vacuum inoculation of seedling corn with Ustilago zaeae. (Abstract) Phytopathology 42(1):17. Jan. 1952.
6622. _____ & STAKMAN, E. C. Radioactivity aids study of plant diseases. Minnesota Farm and Home Science 11(2):13. Feb. 1954.
6623. ROXBURGH, J. M., SPENCER, J. F. T. & SALLANS, H. R. Submerged culture fermentation; factors affecting the production of Ustilagic acid by Ustilago zaeae. Journal of Agricultural and Food Chemistry 2(22):1121-1124. Oct. 27, 1954.

6624. RUSSELL, W. A. & HOOKER, A L. Inheritance of resistance in corn to rust, Puccinia sorghi Schw., and genetic relationships among different sources of resistance. Agronomy Journal 51(1):21-24. Jan. 1959.
6625. RUST caused by Puccinia sorghi. Plant Disease Bulletin (U.S.D.A.) 1(3):51. Sept. 15, 1917.
6626. SABOE, LEWIS C. & HAYES, H. K. Genetic studies of reactions to smut and of firing in maize by means of chromosomal translocations. American Society of Agronomy. Journal 33(5):463-470. May 1941.
6627. SACCAS, A. M. La rouille Americaine du maïs (Zea mays L.) due à Puccinia polysora Underw. au Cameroun et en Afrique Equatoriale Francaise. Agronomie Tropicale 10(4):499-522. July-Aug. 1955. Resumenes en espanol, ingles y frances.
6628. _____ Principaux champignons parasites du maïs (Zea mays L.) en Afrique Equatoriale Francaise. Agronomie Tropicale 7(1):5-42. Jan.-Fev. 1952.
6629. SAFEEULLA, K. M. & THIRUMALACHAR, M. J. Resistance to infection by Sclerospora sorghi of sorghum and maize varieties in Mysore, India. Phytopathology 45(3):128-131. Mar. 1955.
6630. SANCHEZ POTES, ALBERTO. Control de las royas del maiz y trigo con espolvoreaciones. En Asamblea Latinoamericana de Fitoparasitologia, 1a, Mexico, D. F., 1950. Trabajos presentados. Mexico, Secretaria de Agricultura y Ganaderia, Oficina de Estudios Especiales, Folleto Miscelaneo no. 4. 1951. pp. 57-61.
Tambien en: Acta Agronomica (Colombia) 1(3):169-174. Julio 1951.
6631. SAVOIA, H. J. & ABALO, R. A. Comportamiento de variedades comerciales, hibridos y material de crianza, a la "podredumbre del pie" del maiz. En Argentina. Centro Regional Pampeano de Investigaciones Agropecuarias. Memoria de la Quinta Reunion de Maiz, 27 y 28 de julio de 1950 en la Estacion Experimental Pergamino. Pergamino, 1950. pp. 29-33.
6632. _____, GODOY, E. F. & BRUNI, O. "Podredumbre del pie" del maiz. En Argentina. Centro Regional Pampeano de Investigaciones Agropecuarias. Memoria de la Quinta Reunion de Maiz, 27 y 28 de julio de 1950 en la Estacion Experimental Pergamino. Pergamino, 1950. pp. 21-27.
Sclerotium bataticola.
6633. SCHMITT, C. G. Cultural and genetic studies on Ustilago zeae. Phytopathology 30(5):381-390. May 1940.

6634. SCHNEIDER, C. L. & CHRISTENSEN, J. J. Relation of the European corn borer to stalk rots of corn. (Abstract) *Phytopathology* 39(1):21. Jan. 1949.
6635. SEGALL, RALPH H. & VELEZ FORTUNO, J. Gibberella fujikuroi the cause of bud rot of corn in Puerto Rico. *Plant Disease Reporter* 39(3):283. Mar. 15, 1955.
6636. SELBY, A. D. Root rot of corn; widespread in 1918 crop throughout Ohio. *Ohio Agricultural Experiment Station Monthly Bulletin* 3(10):313-314. Oct. 1918.
Fusarium spp.
6637. SEMENIUK, G. Comparative reactions of single crosses of dent maize to Diplodia zeae. (Abstract) *Phytopathology* 32(1):16. Jan. 1942.
6638. _____ Development of Diplodia zeae and Gibberella saubinetii in maize pith following stalk inoculations. (Abstract) *Phytopathology* 31(1):20. Jan. 1941.
6639. _____ Growth stimulation of Diplodia zeae. (Abstract) *Phytopathology* 30(1):21-22. Jan. 1940.
6640. _____ Placement of Diplodia zeae inoculum in the soil in relation to infection of maize seedlings in greenhouse pot experiments. (Abstract) *Phytopathology* 32(1):24. Jan. 1941.
6641. _____ Root rot in your corn. *Iowa Farm Science* 3(2):6-7. Aug. 1948.
Pythium
6642. _____ Seedling infection of dent maize by Sclerotium bataticola Taub. *Phytopathology* 34(9):838-843. Sept. 1944.
6643. _____ Seedling infection of maize by Diplodia zeae in steamed and non-steamed soil. (Abstract) *Phytopathology* 30(1):22. Jan. 1940.
6644. _____ & WALLIN, J. R. The influence of climate on four leaf parasites of Zea mays in Guatemala. (Abstract) *Phytopathology* 37(1):20. Jan. 1947.
6645. _____, NAGEL, C. M. & GILMAN, J. C. Observations on mold development and on deterioration in stored yellow dent shelled corn. *Iowa Agricultural Experiment Station Research Bulletin* 349:253-284. 1947.

6646. SEMENIUK, G., WALLIN, J. R. & MELHUS, I. E. Root-necrosis resistance in maize. (Abstract) Phytopathology 37(1):20. Jan. 1947.
6647. _____ & OTHERS. A dwarfing and witches' broom on corn in Iowa. (Abstract) Phytopathology 36(5):410. May 1946. Sclerospora graminicola.
6648. SENN, P. H. The effect of the sugary gene in corn on resistance to seedling blight caused by Gibberella saubinetii. Phytopathology 22(8):675-697. Aug. 1932.
6649. SHELDON, JOHN L. A corn mold (Fusarium moniliforme n. sp.). In Nebraska Agricultural Experiment Station. 17th annual report. Lincoln, 1904. pp. 23-32.
6650. SHERBAKOFF, C. D. Common molds of corn seed in relation to yield. (Abstract) Phytopathology 14(1):46. Jan. 1924. Fusarium moniliforme.
6651. _____ Fusaria of corn. (Abstract) Phytopathology 12(5):251. May 1922.
6652. _____ & MAYER, L. S. Black ear rot of corn. Phytopathology 27(2):207. Feb. 1937.
6653. SKILES, R. L., CARDONA, CANUTO & BARROS N., OVIDIO. Reaccion de lineas de maiz a pudriciones del tallo con Fusarium y Diplodia. En Reunion Interamericana de Fitogenetistas, Fitopatologos, Entomologos y Edafologos, 3a, Bogota, Colombia, 1955. Bogota, Colombia, Ministerio de Agricultura, Oficina de Investigaciones Especiales, 1958. pp. 203-204.
6654. SMELTZER, DALE G. Relationship between Fusarium ear rot and corn earworm infestation. Agronomy Journal 51(1):53-54. Jan. 1959.
6655. SMITH, A. L. & HOLBERT, J. R. Cornstalk rot and ear rot. (Abstract) Phytopathology 21(1):129. Jan. 1931.
6656. _____ & HOLBERT, J. R. Diplodia stalk and ear-rot studies of dent corn. (Abstract) Phytopathology 22(1):24. Jan. 1932.
6657. _____, HOPPE, P. E. & HOLBERT, J. R. Development of a differential inoculation technique for Diplodia stalk rot of corn. Phytopathology 28(7):497-504. July 1938.

6658. SMITH, FRANCIS L. The effect of corn smut on the yield of grain in the San Joaquin Valley of California. American Society of Agronomy. Journal 28(4):257-265. April 1936.
6659. _____ & MADSEN, CATHARINE BECKER. Susceptibility of inbred lines of corn to Fusarium ear rot. Agronomy Journal 41(8): 347-348. Aug. 1949.
6660. SMITH, GLENN M. & HOFFER, G. N. Three methods of controlling the root, stalk, and ear rots of corn. (Abstract) Phytopathology 11(1):34. Jan. 1921.
6661. _____ & TROST, JOHN F. Diplodia ear rot in inbred and hybrid strains of sweet corn. Phytopathology 24(2):151-157. Feb. 1934.
6662. _____ & TROST, JOHN F. Resistance in sweet corn to Diplodia zeae. (Abstract) Phytopathology 21(1):128-129. Jan. 1931.
6663. SMUT caused by Ustilago zeae. Plant Disease Bulletin (U.S.D.A.) 1(3):49-50. Sept. 15, 1917.
6664. THE SMUTS of Illinois' agricultural plants. Illinois Agricultural Experiment Station Bulletin no. 57:289-360. 1900. Smut of Indian corn, pp. 321-335.
6665. SPARROW, F. K. Observations on chytridiaceous parasites of phanerogams. II. A preliminary study of the occurrence of ephemeral sporangia in the Physoderma disease of maize. American Journal of Botany 34(2):94-97. Feb. 1947.
6666. _____ The occurrence of true sporangia in the Physoderma disease of corn. Science (n. s.) 79(2060):563-564. June 22, 1934.
6667. SPRAGUE, RODERICK. Diseases of cereals and grasses in North America (fungi, except smuts and rusts). New York, Ronald Press Co., 1950. 538 p.
6668. _____ Rootrots and leafspots of grains and grasses in the Northern Great Plains and Western States. Plant Disease Reporter Supplement 163:101-268. June 1946.
6669. STAFFELDT, EUGENE EDWARD. Effects of four crop rotations on soil fungi and corn root necrosis. Iowa State College. Journal of Science 28(3):403-404. Feb. 1954.

6670. STAKMAN, E. C. Mutation and hybridization in the smut fungi.
In International Congress of Botany, 7th, Stockholm, 1950.
Proceedings. Stockholm, Almquist & Wiksell, 1953.
pp. 428-429.
6671. _____ Plant pathologists' merry-go-round; a survey of the never-ending battle against plant diseases. Journal of Heredity 37(9):258-265. Sept. 1946.
Corn smut, pp. 258, 263.
6672. _____ Spore germinations of cereal smuts. Minnesota Agricultural Experiment Station Bulletin 133. 1913.
77 p.
Ustilago zae, pp. 34-38.
6673. _____ & CHRISTENSEN, J. J. Heterothallism in Ustilago zae.
Phytopathology 17(12):827-834. Dec. 1927.
6674. _____ & CHRISTENSEN, J. J. Physiologic specialization of Ustilago zae and Puccinia sorghi and their relation to corn improvement. (Abstract) Phytopathology 16(1):84. Jan. 1926.
6675. _____, CHRISTENSEN, J. J. & BREWBAKER, H. E. Physiologic specialization in Puccinia sorghi. Phytopathology 18(4): 345-354. April 1928.
6676. _____, CHRISTENSEN, J. J. & HANNA, W. F. Mutation in Ustilago zae. (Abstract) Phytopathology 19(1):106. Jan. 1929.
6677. _____, STEVENSON, FRANK V. & WILSON, C. T. Adaptation of monosporidial lines of Ustilago zae to arsenic.
(Abstract) Phytopathology 36(5):411. May 1946.
6678. _____, TYLER, L. J. & HAFSTAD, G. E. The constancy of cultural characters and pathogenicity in variant lines of Ustilago zae. Torrey Botanical Club. Bulletin 60(11):565-572. Nov. 1933.
6679. _____ & OTHERS. Experiments on physiologic specialization and nature of variation in Ustilago zae. (Abstract)
Phytopathology 25(1):34. Jan. 1935.
6680. _____ & OTHERS. Genetic factors for mutability and mutant characters in Ustilago zae. American Journal of Botany 30(1):37-48. Jan. 1943.

6681. STAKMAN, E. C. & OTHERS. The inheritance of a white mutant character in Ustilago zae. *Phytopathology* 33(10):943-949. Oct. 1943.
6682. _____ & OTHERS. Mutation and hybridization in Ustilago zae. Minnesota Agricultural Experiment Station Technical Bulletin 65. 1929. 108 p.
6683. _____ & OTHERS. Variation induced by uranium nitrate in corn smut and the cultivated mushroom. *Science* 108(2812):554-555. Nov. 19, 1948.
6684. STANDEN, J. H. Chemical and physical characteristics of maize cobs in relation to the growth of Nigrospora oryzae. *Phytopathology* 34(3):315-323. Mar. 1944.
6685. _____ The growth of Basisporium gallarum in maize cobs. (Abstract) *Phytopathology* 31(1):21-22. Jan. 1941.
6686. _____ Nigrospora oryzae (B. and Br.) patch on maize. *Phytopathology* 35(7):552-564. July 1945.
6687. _____ Occurrence of Nigrospora oryzae (B. and Br.) patch in Venezuela, with a note on discharge of spores. *Plant Disease Reporter* 34(5):157. May 15, 1950.
6688. _____ Prevalence of Basisporium gallarum in arrested axillary shoots and secondary ears of maize. *Phytopathology* 29(7): 656-657. July 1939.
6689. STANTON, W. R. & CAMMACK, R. H. Resistance to the maize rust, Puccinia polysora Underw. *Nature (London)* 172(4376):505-506. Sept. 12, 1953.
6690. _____ & CAMMACK, R. H. Sources of resistance to the maize rust Puccinia polysora Underw. In West African Maize Rust Research Unit. First annual report, 1953. Ibadan, Nigeria, 1954. pp. 10-14.
6691. STARR, G. H. A study of diseases of canning crops (peas and corn) in Minnesota. Minnesota Agricultural Experiment Station Technical Bulletin 89. 1932. 51 p.
Sweet corn, pp. 21-48.
6692. STEVENS, KAY & OTHERS. A new method of inoculating some maydeae with Ustilago zae (Beckm.) Unger. *Phytopathology* 36(5): 411. May 1946.
6693. STEVENS, NEIL E. Incidence of ear rots in the 1916-1933 corn crops. *Plant Disease Reporter* 19(6):71-93. May 1, 1935.

6694. STEVENS, NEIL E. Incidence of ear rots in the 1940 corn crop. Plant Disease Reporter 25(19):481-484. Oct. 15, 1941.
Diplodia and Fusarium.
6695. _____ Incidence of ear rots in the 1941 corn crop. Plant Disease Reporter 26(15):324-327. Aug. 15, 1942.
6696. _____ & HOPPE, P. E. Fungi in imported corn. Plant Disease Reporter 19(6):70. May 1, 1935.
6697. _____ & WILSON, W. E. A biotin-like substance produced by Diplodia zeae. Science (n. s.) 93(2419):458-459. May 9, 1941.
6698. _____ & WOOD, JESSIE I. Losses from corn ear rots in the United States. Phytopathology 25(2):281-283. Feb. 1935.
6699. STEVENSON, FRANK V., WOLF, E. A. & BRECKER, THOMAS. A preliminary report on the testing of sweet corn for resistance to Helminthosporium turcicum Pass. at the Everglades Experiment Station in 1950-51. Plant Disease Reporter 35(11):488. Nov. 15, 1951.
6700. STEVENSON, JOHN A. & WELLMAN, FREDERICK L. A preliminary account of the plant diseases of El Salvador. Washington Academy of Sciences. Journal 34(8):259-268. Aug. 15, 1944. Corn, pp. 267-268.
6701. STONER, WARREN N. A preliminary report of results from some fungicide spray trials for control of Helminthosporium leaf blight of sweet corn. Plant Disease Reporter 34(10):312-313. Oct. 15, 1950.
6702. _____ A report on the influence of spray additives on control of Helminthosporium turcicum Pass. in the Everglades. Plant Disease Reporter 35(11):487-488. Nov. 15, 1951.
6703. _____ & OTHERS. Control of two Helminthosporium leaf blights of sweet corn in Peninsular Florida. Florida Agricultural Experiment Station Circular S-89. 1954. 7 p.
6704. STOREY, H. H. & HOWLAND, AUDRIE K. Resistance in maize to the tropical American rust fungus, Puccinia polysora Underw. I. Genes Rpp₁ and Rpp₂. Heredity (London) 11(3):289-301. Dec. 1957.
6705. _____ & HOWLAND, AUDRIE K. Resistance in maize to the tropical American rust fungus Puccinia polysora. II. Linkage of genes Rpp₁ and Rpp₂. Heredity 13(1):61-65. Feb. 1959.

6706. STOREY, H. H. & McCLEAN, A. P. D. A note upon the conidial Sclerospora of maize in South Africa. Phytopathology 20(1):107-108. Jan. 1930.
6707. _____ & RYLAND, A. K. Resistance to the maize rust, Puccinia polysora. Nature (London) 173(4408):778-779. April 24, 1954.
6708. _____ & OTHERS. East African work on breeding maize resistant to the tropical American rust Puccinia polysora. Empire Journal of Experimental Agriculture 26(101):1-17. Jan. 1958.
6709. STOVER, W. G. The relation of soil temperature to the development of the seedling blight of corn caused by Helminthosporium sp. (Abstract) Phytopathology 12(1):30. Jan. 1922.
6710. _____ Some results of corn root rot work in Ohio. (Abstract) Phytopathology 10(1):55. Jan. 1920.
6711. STRINGFIELD, G. H. & BOWMAN, D. H. Breeding corn hybrids for smut resistance. American Society of Agronomy. Journal 34(5):486-494. May 1942.
6712. SUMMERS, THOMAS E. A comparison of corn rootworms and Pythium graminicola as corn root pathogens. (Abstract) Phytopathology 40(1):27. Jan. 1950.
6713. _____ Destruction of maize roots by Pythium graminicola Subr. and Diabrotica undecimpunctata Howardi Barber. (Abstract) Iowa State College. Journal of Science 26(2):294-295. Jan. 1952.
6714. SYAMANANDA, RIKSH & DICKSON, J. G. The influence of temperature and light on rust reaction of inbred lines of corn inoculated with specific lines of Puccinia sorghi. Phytopathology 49(2):102-106. Feb. 1959.
6715. TASCHER, W. R. Experiments on the control of seed-borne diseases by X-rays. Journal of Agricultural Research 46(10):909-915. May 15, 1933.
6716. TAUBENHAUS, J. J. Recent studies on Sclerotium rolfsii Sacc. Journal of Agricultural Research 18(3):127-138. Nov. 1, 1919.
6717. _____ A study of the black and the yellow molds of ear corn. Texas Agricultural Experiment Station Bulletin no. 270. 1920. 38 p.

6718. TAYLOR, GEORGE A. The effects of three levels of magnesium on the nutrient-element composition of two inbred lines of corn and on their susceptibility to Helminthosporium maydis. Plant Physiology 29(1):87-91. Jan. 1954.
6719. TAYLOR, GORDON S. Nutritive value of cornstalk juice inversely related to stalk rot resistance. (Abstract) Phytopathology 42(9):476. Sept. 1952.
Diplodia zeae.
6720. _____, SEMENIUK, G. & MELHUS, I. E. Guatemalan corn as a source of resistance to Helminthosporium turcicum in maize. (Abstract) Phytopathology 41(1):34-35. Jan. 1951.
6721. THIRUMALACHAR, M. J. Pycnidial stage of charcoal rot inciting fungus with a discussion on its nomenclature. Phytopathology 43(11):608-610. Nov. 1953.
6722. _____ & WHITEHEAD, MARVIN D. A Physoderma disease of barnyard grass. Science 118(3075):693-694. Dec. 4, 1953.
6723. THOM, CHARLES & HUMFELD, HARRY. Notes on the association of micro-organisms and roots. Soil Science 34(1):29-36. July 1932.
6724. THOMAS, R. C. Stewart's disease or bacterial wilt of sugar corn. Ohio Agricultural Experiment Station Bimonthly Bulletin 9(5-6):81-84. May-June 1924.
6725. THORN, J. A. & HASKINS, R. H. Biochemistry of the Ustilaginales. V. Factors affecting the formation of Ustilagic acid by Ustilago zeae. Canadian Journal of Botany 29(4):403-410. Aug. 1951.
6726. TISDALE, W. H. The brown-spot of corn, with suggestions for its control. U. S. Department of Agriculture Farmers' Bulletin 1124. 1920. 9 p.
6727. _____ Physoderma disease of corn. Journal of Agricultural Research 16(5):137-154. Feb. 3, 1919.
6728. _____ & JOHNSON, C. O. A study of smut resistance in corn seedlings grown in the greenhouse. Journal of Agricultural Research 32(7):649-668. April 1, 1926.
6729. TOWNSEND, G. R. Control of the leaf blight and rust diseases of sweet corn. Plant Disease Reporter 35(8):368-369. Aug. 15, 1951.
Helminthosporium turcicum and Puccinia sorghi.

6730. TROST, JOHN F. Relation of the character of the endosperm to the susceptibility of dent corn to root rotting. U. S. Department of Agriculture Bulletin no. 1062. 1922. 7 p.
6731. _____ & HOFFER, G. N. Kernel starchiness as an index of susceptibility to root, stalk, and ear rots of corn. (Abstract) Phytopathology 11(1):33-34. Jan. 1921.
6732. TRYON, HENRY. Ear rot of maize (Diplodia zeae (Schwein.) Lev.). Queensland Department of Agriculture and Stock, Division of Entomology and Plant Pathology Bulletin no. 3 (n. s.) 1925. 24 p.
6733. ULLSTRUP, ARNOLD J. Corn seed treatment. Indiana (Purdue) Agricultural Experiment Station Circular 337. 1948. 4 p.
6734. _____ Crazy top of some wild grasses and the occurrence of the sporangial stage of the pathogen. Plant Disease Reporter 39(11):839-841. Nov. 15, 1955.
6735. _____ The effect of some leaf diseases on grain yield in corn. (Abstract) Phytopathology 41(1):36. Jan. 1951.
Helminthosporium spp.
6736. _____ Further studies on a species of Helminthosporium parasitizing corn. Phytopathology 34(2):214-222. Feb. 1944.
6737. _____ Helminthosporium diseases on corn. Plant Disease Reporter Supplement 228:118-119. Oct. 15, 1954.
6738. _____ The infectious nature of crazy top of corn. (Abstract) Phytopathology 40(1):29. Jan. 1950.
6739. _____ Inheritance of susceptibility to infection by Helminthosporium maydis race 1 in maize. Journal of Agricultural Research 63(6):331-334. Sept. 15, 1941.
6740. _____ An inoculation method for determining resistance in corn to Diplodia ear rot. (Abstract) Phytopathology 38(1):27. Jan. 1948.
6741. _____ A method for producing artificial epidemics of Diplodia ear rot. Phytopathology 39(2):93-101. Feb. 1949.
6742. _____ Observations on a noteworthy Helminthosporium disease of corn. (Abstract) Phytopathology 30(1):25. Jan. 1940.
6743. _____ Observations on crazy top of corn. Phytopathology 42(12):675-680. Dec. 1952.

6744. ULLSTRUP, ARNOLD J. The occurrence of Gibberella fujikuroi var. subglutinans in the United States. Phytopathology 26(7): 685-693. July 1936.
6745. _____ The occurrence of southern rust and other corn diseases in Indiana in 1957. Plant Disease Reporter 42(3): 373. Mar. 15, 1958.
Puccinia polysora and Helminthosporium turcicum.
6746. _____ Preliminary studies on the nature of aversion in cultures of Diplodia zeae. (Abstract) Phytopathology 37(1): 22. Jan. 1947.
6747. _____ Several ear rots of corn. In U. S. Department of Agriculture. Plant diseases, yearbook of agriculture, 1953. Washington, D. C., U. S. Government Printing Office, 1953. pp. 390-392.
6748. _____ Some smuts and rusts of corn. In U. S. Department of Agriculture. Plant diseases, yearbook of agriculture, 1953. Washington, D. C., U. S. Government Printing Office, 1953. pp. 386-389.
Ustilago maydis, Sphacelotheca reiliana, Puccinia sorghi and Puccinia polysora.
6749. _____ Stalk rot of corn caused by Pythium butleri severe in Indiana. Plant Disease Reporter 33(8): 331. Aug. 15, 1949.
6750. _____ Studies on the variability of pathogenicity and cultural characters of Gibberella saubinetii. Journal of Agricultural Research 51(2): 145-162. July 15, 1935.
6751. _____ Two physiologic races of Helminthosporium maydis in the corn belt. Phytopathology 31(6): 508-521. June 1941.
6752. _____ An undescribed ear rot of corn caused by Physalospora zeae. Phytopathology 36(3): 201-212. Mar. 1946.
6753. _____ Variations within species of Helminthosporium. Plant Disease Reporter Supplement 228: 116-117. Oct. 15, 1954.
6754. _____ & BRUNSON, ARTHUR M. Linkage relationships of a gene in corn determining susceptibility to a Helminthosporium leaf spot. American Society of Agronomy. Journal 39(7): 606-609. July 1947.
6755. _____ & MILES, S. R. The effects of some leaf blights of corn on grain yield. Phytopathology 47(6): 331-336. June 1957.

6756. ULLSTRUP, ARNOLD J. & TUCKER, C. M. The occurrence of Phytophthora parasitica on corn. *Phytopathology* 38(12):1029-1031. Dec. 1948.
6757. UNDERWOOD, L. M. & EARLE, F. S. Treatment of some fungous diseases. *Alabama Agricultural Experiment Station Bulletin* no. 69: 245-258. 1896.
Corn, pp. 253-254.
6758. UPPAL, B. N. & DESAI, M. K. Two new hosts of the downy mildew of sorghum in Bombay. *Phytopathology* 22(6):587-594. June 1932.
6759. VALLEAU, W. D. Resistance as a basis of control of corn root rot. (Abstract) *Phytopathology* 11(1):34. Jan. 1921.
6760. _____ Seed corn infection with Fusarium moniliforme and its relation to the root and stalk rots. *Kentucky Agricultural Experiment Station Bulletin* no. 226:25-51. 1920. (Research Bulletin)
6761. _____ Seed transmission of Helminthosporium of corn. *Phytopathology* 25(12):1109-1112. Dec. 1935.
6762. _____ Selection of disease-free seed and seed treatments as possible means of control of corn root rot. (Abstract) *Phytopathology* 11(1):35. Jan. 1921.
6763. _____ Some seed-borne diseases of agricultural crops. *Science* (n. s.) 56(1438):86. July 21, 1922.
6764. _____ & DIACHUN, STEPHEN. Pythium stalk rot of corn in Kentucky. *Plant Disease Reporter* 33(9):341. Sept. 15, 1949.
6765. _____ & JOHNSON, E. M. A method of growing corn seedlings (Zea mays) free from seed-borne organisms. *Journal of Agricultural Research* 32(12):1195-1198. June 15, 1926.
6766. _____, KARRAKER, P. E. & JOHNSON, E. M. Corn root rot - a soil-borne disease. *Journal of Agricultural Research* 33(5):453-476. Sept. 1, 1926.
6767. VAN PELT, WAYNE. Corn smut in Ohio. *Ohio Agricultural Experiment Station Monthly Bulletin* 4(10):323-324. Oct. 1919.
6768. VESTAL, EDGAR F. Diplodia and other diseases in Iowa. *Plant Disease Reporter* 28(29):901-902. Sept. 15, 1944.

6769. VESTAL, EDGAR F. & SEMENIUK, G. Puccinia sorghi and Helminthosporium turcicum on corn in Iowa during 1950. Plant Disease Reporter 35(4):212-214. April 15, 1951.
6770. VIEIRA DA SILVA, JORGE BRAVO. Resistencia ao Helminthosporium turcicum e produtividade em duas variedades de milho em Angola. Agronomia Angolana no. 10:3-8. 1956. English and French summaries.
6771. VOORHEES, R. K. Effect of certain environmental factors on the germination of the sporangia of Physoderma zeae-maydis. Journal of Agricultural Research 47(8):609-615. Oct. 15, 1933.
6772. _____ Gibberella moniliformis on corn. Phytopathology 23(4):368-378. April 1933.
6773. _____ Histological studies of a seedling disease of corn caused by Gibberella moniliformis. Journal of Agricultural Research 49(11):1009-1015. Dec. 1, 1934.
6774. _____ Sclerotial rot of corn caused by Rhizoctonia zeae, n. sp. Phytopathology 24(11):1290-1303. Nov. 1934.
6775. _____ & EDDINS, A. H. Gibberella moniliformis on corn plants in the field. (Abstract) Phytopathology 22(1):29. Jan. 1932.
6776. WAGGONER, PAUL E. & SHAW, R. H. Stem and root temperatures. Phytopathology 43(6):317-318. June 1953.
6777. WALLACE, G. B. & WALLACE, M. M. Brown spot of maize. East African Agricultural Journal 19(2):84-85. Oct. 1953. Physoderma maydis.
6778. WALLIN, JACK R. An epiphytic of corn rust in the North Central region of the United States. Plant Disease Reporter 35(4):207-211. April 15, 1951. Puccinia sorghi.
6779. _____ A new method of inoculating the Maydeae with smut fungi. Science 109(2830):312-313. Mar. 25, 1949.
6780. _____ Prevalence of Helminthosporium turcicum, Angiospora zeae, and Phyllacora graminis on corn in Guatemala. (Abstract) Phytopathology 36(5):412-413. May 1946.
6781. WALTER, JAMES M. Factors affecting the development of corn smut, Ustilago zeae (Beckm.) Unger. Minnesota Agricultural Experiment Station Technical Bulletin 111. 1935. 67 p.

6782. WALTER, JAMES M. The mode of entrance of Ustilago zae into corn. *Phytopathology* 24(9):1012-1020. Sept. 1934.
6783. WATERS, CHARLES W. The control of teliospore and urediniospore formation by experimental methods. *Phytopathology* 18(2): 157-213. Feb. 1928.
Corn, pp. 179-180, 194-195, 206.
6784. WATKINS, G. M. Corn smut in Texas. *Plant Disease Reporter* 27(22):614. Nov. 1, 1943.
Ustilago maydis.
6785. WEBER, GEORGE F. Studies on corn rust. *Phytopathology* 12(2):89-97. Feb. 1922.
6786. WEBSTER, O. J. Diseases of sorghum and corn in Nigeria, Africa, 1951. *Plant Disease Reporter* 36(4):166-167. April 15, 1952.
6787. WELLENSIEK, S. J. The nature of resistance in Zea mays L. to Puccinia sorghi Schw. *Phytopathology* 17(12):815-825. Dec. 1927.
6788. WELLHAUSEN, E. J. Histological changes in resistant and susceptible strains of maize infected with Phytomonas stewarti. (Abstract) *Phytopathology* 26(2):112-113. Feb. 1936.
6789. _____ Leaf blight of corn in West Virginia. *Plant Disease Reporter* 26(23):494-495. Dec. 15, 1942.
Helminthosporium turcicum.
6790. WERNHAM, C. C. Cold testing of corn; a chronological and critical review. *Pennsylvania Agricultural Experiment Station Progress Report no. 47.* 1951. 12 p.
6791. _____ Crazy top of corn --- a gene or a virus? *Plant Disease Reporter* 32(3):97. Mar. 15, 1948.
6792. _____ & MILLER, H. J. Longevity of fungus cultures under mineral oil. *Phytopathology* 38(11):932-934. Nov. 1948.
Diplodia zae and Gibberella zae.
6793. _____ & PATTERSON, R. E. A device for planting root-rot organisms with maize seed. (Abstract) *Phytopathology* 39(1):25. Jan. 1949.
6794. WEST AFRICAN MAIZE RUST RESEARCH UNIT. First annual report, 1953. Ibadan, Nigeria, 1954. 48 p.

6795. WESTON, WILLIAM H. Another conidial Sclerospora of Philippine maize. Journal of Agricultural Research 20(9):669-684. Feb. 1, 1921.
6796. _____ A method of treating maize seed to destroy adherent spores of downy mildew. Journal of Agricultural Research 24(10):853-860. June 9, 1923.
6797. _____ The occurrence of Sclerospora graminicola on maize in Wisconsin. Phytopathology 19(4):391-397. April 1929.
6798. _____ Philippine downy mildew of maize. Journal of Agricultural Research 19(3):97-122. May 1, 1920.
6799. _____ Production and dispersal of conidia in the Philippine Sclerosporas of maize. Journal of Agricultural Research 23(4):239-278. Jan. 27, 1923.
6800. _____ Significant points in the life history of the Philippine maize mildew. (Abstract) Phytopathology 11(1):32. Jan. 1921.
6801. _____ & CRAIGIE, J. H. Observations on tassels of teosinte malformed by Sclerospora. Journal of Agricultural Research 39(11):817-836. Dec. 1, 1929.
6802. _____ & UPPAL, B. N. The basis for Sclerospora sorghi as a species. Phytopathology 22(6):573-586. June 1932.
6803. WHITEHEAD, MARVIN D. Downy mildew of corn in Texas. Plant Disease Reporter 38(12):896. Dec. 15, 1954.
Sclerophthora macrospora (Sacc.) and Sclerospora macrospora Sacc.
6804. _____ Some observations on the pathological histology of downy mildew of corn. (Abstract) Phytopathology 45(6):350. June 1955.
6805. _____ Some observations on the pathological histology of corn, oats, sorghum, and wheat. (Abstract) Phytopathology 47(1):36-37. Jan. 1957.
6806. WHITNEY, N. J. Ear rots in hybrid corn in Essex County, Ontario, in relation to damage by birds. Plant Disease Reporter 38(6):384-387. June 15, 1954.
6807. _____ & MORTIMORE, C. G. An antifungal substance in the corn plant and its effect on growth of two stalk-rotting fungi. Nature (London) 183(4657):341. Jan. 31, 1959.
Fusarium and Gibberella.

6808. WHITNEY, N. J. & MORTIMORE, C. G. Root and stalk rot of field corn in southwestern Ontario. I. Sequence of infection and incidence of the disease in relation to maturation of inbred lines. Canadian Journal of Plant Science 37(4):342-346. Oct. 1957.
Fusarium spp. and Pythium spp.
6809. WILCOX, E. MEAD. Smuts of Nebraska cereals. Nebraska Agricultural Experiment Station Bulletin no. 131. 1912. 16 p.
6810. _____ & STONE, R. E. Directions for the control of Nebraska plant diseases. In Nebraska Agricultural Experiment Station. 22d annual report, 1908. Lincoln, 1909. 158 p. Corn, pp. 42-43.
6811. WILLIAMS, LANSING E. & MENON, S. K. A cork borer technique of inoculating corn plants with stalk-rot fungi. Plant Disease Reporter 41(2):111-114. Feb. 15, 1957.
6812. WILSON, J. J. & REDDY, C. S. Further studies on the fungicidal efficiency of chemical dusts containing furfural derivatives. Phytopathology 21(12):1099-1113. Dec. 1931.
6813. WILSON, WILLIAM E. Physiological studies on two species of Diplodia parasitic on corn. Phytopathology 32(2):130-140. Feb. 1942.
6814. WINELAND, GRACE O. An ascigerous stage and synonymy for Fusarium moniliforme. Journal of Agricultural Research 28(9):909-922. May 31, 1924.
6815. WOLF, FREDERICK T. Production of indole acetic acid by Ustilago zea, and its possible significance in tumor formation. (Abstract) Phytopathology 42(1):24. Jan. 1952.
6816. _____ The utilization of carbon and nitrogen compounds by Ustilago zea. Mycologia 45(4):516-522. July-Aug. 1953.
6817. YORK, GEORGE T. Field tests with the fungus Beauveria sp. for control of the European corn borer. Iowa State College. Journal of Science 33(2):123-129. Nov. 1958.
6818. YOUNG, GEORGE Y., LEFEBVRE, C. L. & JOHNSON, A. G. Helminthosporium rostratum on corn, sorghum, and pearl millet. Phytopathology 37(3):180-183. Mar. 1947.
6819. YOUNG, H. C. The toothpick method of inoculating corn for ear and stalk rots. (Abstract) Phytopathology 33(1):16. Jan. 1943.

6820. YOUNG, P. A. Epidemic of charcoal rot of corn and other crops in East Texas. Plant Disease Reporter 28(29):898-899. Sept. 15, 1944.
6821. YOUNG, V. H. & McCLELLAND, C. K. Seed treatments for corn, oats, and barley in Arkansas. Arkansas Agricultural Experiment Station Bulletin no. 389. 1940. 27 p.
6822. YOUNTS, S. E. & MUSGRAVE, R. B. Chemical composition, nutrient absorption, and stalk rot incidence of corn as affected by chloride in potassium fertilizer. Agronomy Journal 50(8): 426-429. Aug. 1958.
6823. ZEHNER, MARION GRIFFITHS & HUMPHREY, HARRY B. Smuts and rusts produced in cereals by hypodermic injection of inoculum. Journal of Agricultural Research 38(11):623-627. June 1, 1929.
6824. ZENTENO ZEVADA, M., YERKES, W. D. & NIEDERHAUSER, J. S. Primera lista de hongos de Mexico; arreglada por huespedes. Mexico, D. F., Secretaria de Agricultura y Ganaderia, Oficina de Estudios Especiales, Folleto Tecnico no. 14. 1955. 43 p.
Zea mays L., pp. 10-11.
6825. ZUBER, MARCUS STANLEY & OTHERS. Studies of the interrelation of field stalk lodging, two stalk rotting fungi, and chemical composition of corn. Agronomy Journal 49(6):328-331. June 1957.
Diplodia zeae and Gibberella zeae.

Virus
(Virosas)

6826. AGATI, JULIAN A. & CALICA, CARLOS A. Studies on the host-range of the rice and corn leaf-gall virus. Philippine Journal of Agriculture 15(3-4):249-259. 1950.
6827. BAKER, R. E. D. Maize stripe disease. Tropical Agriculture (Trinidad) 10(8):221. Aug. 1933.
6828. ——— Stripe disease of maize. Tropical Agriculture (Trinidad) 10(12):352. Dec. 1933.
6829. BARNES, DOUGLAS. Biologia, ecologia y distribucion de las chicharritas, Dalbulus elimatus (Ball) y Dalbulus maidis (De L. & W.). Mexico, Secretaria de Agricultura y Ganaderia, Oficina de Estudios Especiales, Folleto Tecnico no. 11. 1954. 112 p.
English summary.
6830. BRANDS, E. W. Mosaic disease of corn. Journal of Agricultural Research 19(10):517-522. Aug. 16, 1920.
6831. BRITON-JONES, H. R. Stripe disease of corn (Zea mays L.) in Trinidad. Tropical Agriculture (Trinidad) 10(5):119-122. May 1933.
6832. CELINO, M. S. & MARTINEZ, AUREO L. Mechanical transmission of a mosaic virus from abaca to corn. Philippine Agriculturist 39(7):377-387. Dec. 1955.
Transmission of abaca mosaic to corn by Aphis maidis.
6833. CERVANTES, JAVIER & RODRIGUEZ, ANTONIO. El achaparramiento del maiz. En Asamblea Latinoamericana de Fitoparasitologia, 1a, Mexico, D. F., 1950. Trabajos presentados. Mexico, Secretaria de Agricultura y Ganaderia, Oficina de Estudios Especiales, Folleto Miscelaneo no. 4. Oct. 1951.
pp. 34-39.
Enfermedad causada por un virus que es transmitido por las "chicharritas" Baldulus elimatus (Ball) y Baldulus maidis (De L. y W.).
6834. ———, RODRIGUEZ, ANTONIO & NIEDERHAUSER, JOHN S. Resistencia al virus causante del achaparramiento del maiz. Mexico, Secretaria de Agricultura y Ganaderia, Oficina de Estudios Especiales, Folleto Tecnico no. 29. 1958. 18 p.
Dalbulus elimatus (Ball). English summary.

6835. COOK, MELVILLE T. Phloem necrosis in the stripe disease of corn. (Abstract) *Phytopathology* 26(2):90. Feb. 1936.
6836. COSTA, A. S. & PENTEADO, M. P. Corn seedlings as test plants for the sugar-cane mosaic virus. *Phytopathology* 41(8): 758-763. Aug. 1951.
Una breve nota de este articulo aparece en Portugues bajo el titulo "O milho como planta-teste para o virus do mosaico da cana de azucar" en: *Bragantia* 10(3): 93-94. Mar. 1950.
6837. FINLEY, A. M. A mosaic disease of sweet corn. (Abstract) *Phytopathology* 44(9):488. Sept. 1954.
6838. HARPAZ, I., MINZ, G. & NITZANI, F. Nanismo de maiz. FAO - Boletin Fitosanitario 7(3):46. Dic. 1958.
Also in English with the title "Dwarf disease of maize". FAO - Plant Protection Bulletin 7(3):43. Dec. 1958.
6839. HARTER, L. L. Mosaic of lima beans (Phaseolus lunatus macrocarpus). *Journal of Agricultural Research* 56(12): 895-906. June 15, 1938.
Corn, pp. 900-901.
6840. HERNANDEZ O., JOSE. Biologia del Baldulus elimatus (Ball). En Asamblea Latinoamericana de Fitoparasitologia, 1a, Mexico, D. F., 1950. Trabajos presentados. Mexico, Secretaria de Agricultura y Ganaderia, Oficina de Estudios Especiales, Folleto Miscelaneo no. 4. 1951. pp. 41-42.
6841. HILDEBRAND, E. M. Baldulus maidis, leafhopper vector of corn stunt virus, in Texas. (Abstract) *Phytopathology* 39(6):496-497. June 1949.
6842. KUNKEL, L. O. The corn mosaic of Hawaii distinct from sugar cane mosaic. (Abstract) *Phytopathology* 17(1):41. Jan. 1927.
6843. _____ A possible causative agent for the mosaic disease of corn. Hawaiian Sugar Planters' Association Experiment Station Bulletin (Botanical Series) 3(1):44-58. 1921.
6844. LAWAS, ORENCO M. & FERNANDEZ, WILLIAM L. A study of the transmission of the corn mosaic and of some of the physical properties of its virus. *Philippine Agriculturist* 32(3): 231-238. Jan.-Mar. 1949.
6845. McKINNEY, H. H. Tests of varieties of wheat, barley, oats, and corn for reaction to wheat streak-mosaic viruses. *Plant Disease Reporter* 33(10):359-369. Oct. 15, 1949.

6846. MCKINNEY, H. H. Virus diseases of cereal crops. In U. S. Department of Agriculture. Plant diseases, yearbook of agriculture, 1953. Washington, D. C., U. S. Government Printing Office, 1953. pp. 350-360.
Includes corn stunt, corn streak virus, corn mosaic and corn wallaby-ear virus.
6847. McWHORTER, F. P. & MILLSAP, H. H. A virus disease of corn present in Lilium speciosum from Japan. (Abstract) Phytopathology 44(9):497-498. Sept. 1954.
6848. MARAMOROSCH, KARL. Cross-protection studies of two types of corn stunt virus. (Abstract) Phytopathology 47(1):23. Jan. 1957.
Vector Dalbulus maidis.
6849. _____ Inability of aster-yellows and corn-stunt viruses to multiply in each other's vectors. (Abstract) Phytopathology 42(2):113. Feb. 1952.
6850. _____ Mechanical transmission of corn stunt virus to an insect vector. Phytopathology 41(9):833-838. Sept. 1951.
6851. _____ The occurrence of two distinct types of corn stunt in Mexico. Plant Disease Reporter 39(12):896-898. Dec. 15, 1955.
Transmitted by the leaf-hopper vector Dalbulus maidis.
6852. _____ Studies on the nature of the specific transmission of aster-yellows and corn-stunt viruses. Phytopathology 42(12): 663-668. Dec. 1952.
6853. _____ Two distinct types of corn stunt disease in Mexico. (Abstract) Phytopathology 46(4):241. April 1956.
Rio Grande type and the Mesa Central type transmitted by Dalbulus maidis.
6854. NIEDERHAUSER, JOHN S. & CERVANTES, JAVIER. Transmission of corn stunt in Mexico by a new insect vector, Dalbulus elimatus. (Abstract) Phytopathology 40(1):20-21. Jan. 1950.
6855. REYES, GAUDENCIO M. Progress of investigation on the yellow stripe disease of corn. Philippine Journal of Agriculture 15(2): 105-117. Second Quarter 1950.
6856. RODRIGUEZ, ANTONIO & CERVANTES, JAVIER. Efecto de la fecha de inoculacion en los sintomas del achaparramiento del maiz. En Asamblea Latinoamericana de Fitoparasitologia, 1a, Mexico, D. F., 1950. Trabajos presentados. Mexico, Secretaria de Agricultura y Ganaderia, Oficina de Estudios Especiales, Folleto Miscelaneo no. 4. 1951. pp. 39-41.

6857. ROSEN, H. R. Corn mosaic in Arkansas. (Abstract)
Phytopathology 12(5):250. May 1922.
6858. _____ "Mosaic" disease of corn in Arkansas. (Abstract)
Phytopathology 12(5):252. May 1922.
6859. SHEPHERD, E. F. S. Maize chlorosis; notes on chlorosis of maize
and other gramineae in Mauritius. Tropical Agriculture
(Trinidad) 6(11):320. Nov. 1929.
6860. SILL, W. H. Use of corn and Agrotricum hybrids for more rapid
identification of three grass viruses. (Abstract)
Phytopathology 46(1):26. Jan. 1956.
6861. STAHL, C. F. La enfermedad "corn stripe" (raya del maiz) en Cuba
diferente del mosaico de la caña de azúcar. Tropical Plant
Research Foundation Boletin no. 7. 1927. 11 p.
6862. STONEBERG, HUGO F. The productiveness of corn as influenced by the
mosaic disease. U. S. Department of Agriculture Technical
Bulletin no. 10. 1927. 18 p.
6863. STONER, WARREN N. Leaf fleck, an aphid borne persistent virus
disease of maize. Phytopathology 42(12):683-689. Dec.
1952.
Corium zeae.
6864. STOREY, H. H. The filtration of the virus of streak disease of
maize. Annals of Applied Biology 19(1):1-5. Feb. 1932.
6865. _____ Insect transmission of maize streak virus. Tropical
Agriculture (Trinidad) 16(2):45. Feb. 1939.
6866. _____ A new virus of maize transmitted by Cicadulina spp.
Annals of Applied Biology 24(1):87-94. Feb. 1937.
6867. _____ & McLEAN, A. P. D. The transmission of streak disease
between maize, sugar cane and wild grasses. Annals of
Applied Biology 17(4):691-719. Nov. 1930.
6868. VIRUS diseases of crops in East Africa. World Crops 3(10):385-
386. Oct. 1951.
6869. WALKER, M. N. & STAHL, C. F. Consideraciones acerca de algunas
hierbas susceptibles a la enfermedad del mosaico y hospederas
del pulgón del maíz en relación con su presencia en Cuba.
Tropical Plant Research Foundation Boletin no. 5. 1927.
17 p.

6870. WELLMAN, FREDERICK L. Dissemination of southern celery-mosaic virus on vegetable crops in Florida. *Phytopathology* 25(3):289-308. Mar. 1935.
6871. _____ The host range of the southern celery-mosaic virus. *Phytopathology* 25(4):377-404. April 1935.
6872. _____ Infection of Zea mays and various other gramineae by the celery virus in Florida. *Phytopathology* 24(9):1035-1037. Sept. 1934.

Physiological
(Fisiologicas)

6873. BARNETTE, R. M. & WARNER, J. D. A response of chlorotic corn plants to the application of zinc sulfate to the soil. *Soil Science* 39(2):145-159. Feb. 1935.
6874. _____ & OTHERS. The use of zinc sulphate under corn and other field crops. *Florida Agricultural Experiment Station Bulletin* 292. 1936. 51 p. Corn, pp. 5-34.
6875. BERGER, K. C., HEIKKINEN, TOIVO & ZUBE, E. Boron deficiency, a cause of blank stalks and barren ears in corn. *Soil Science Society of America. Proceedings* 21(6):629-632. Nov.-Dec. 1957.
6876. GARNER, W. W., McMURTRY, J. E. & MOSS, E. G. Sand Drown, a chlorosis of tobacco and other plants resulting from magnesium deficiency. *Science (n. s.)* 56(1447):341-342. Sept. 22, 1922.
6877. HERNANDEZ-MEDINA, E. & LUGO-LOPEZ, M. A. Observations on the boron-manganese relationships in soybean and corn plants. Puerto Rico. *University. Journal of Agriculture* 42(1):27-34. Jan. 1958.
6878. HOFFER, G. N. & CARR, R. H. I. Iron accumulation and mobility in diseased cornstalks. *Phytopathology* 10(1):56. Jan. 1920.

6879. JONES, J. P. Deficiency of magnesium the cause of a chlorosis in corn. *Journal of Agricultural Research* 39(11):873-892. Dec. 1, 1929.
6880. PETTINGER, N. A., HENDERSON, R. G. & WINGARD, S. A. Some nutritional disorders in corn grown in sand cultures. *Phytopathology* 22(1):33-51. Jan. 1932.
6881. ROGERS, B. J. Chlorosis in corn as induced by the herbicide 3-amino-1,2,4-triazole. (Abstract) *Plant Physiology* 32(Supplement):vi-vii. Aug. 1957.
6882. WADLEIGH, C. H., ROBBINS, W. R. & BECKENBACH, J. R. The relation between the chemical nature of the substrate and the degree of chlorosis in corn. *Soil Science* 43(2):153-175. Feb. 1937.

Insects
(Insectos)

General

6883. APP, BERNARD A. A report of some investigations on the corn insects of Puerto Rico. Puerto Rico. University. Journal of Agriculture 25(4):21-31. Oct. 1941.
6884. APPLE, J. W. Corn insects. Wisconsin Agricultural Experiment Station Bulletin no. 476:29-35, rev. 1951.
6885. ARNOLD, E. W. & APPLE, J. W. The compatibility of insecticides and fungicides used for the treatment of corn seed. Journal of Economic Entomology 50(1):43-45. Feb. 1957.
6886. BAILEY, WALLACE K. Experiments in controlling corn ear pests in Puerto Rico. Puerto Rico (Mayaguez) Agricultural Experiment Station Circular no. 23. 1940. 23 p.
6887. _____ Summary of results of experiments in controlling corn ear pests in Puerto Rico. American Society for Horticultural Science. Proceedings 37: 763-769. 1939.
6888. BARBER, GEORGE W. Orius insidiosus (Say), an important natural enemy of the corn ear worm. U. S. Department of Agriculture Technical Bulletin no. 504. 1936. 24 p.
6889. BARNES, DOUGLAS & YOUNG, W. Plagas importantes del maiz en el Estado de Mexico, y su combate; combata las plagas y obtenga mejores cosechas. Mexico, D. F., Secretaria de Agricultura y Ganaderia, Oficina de Estudios Especiales, s. f. 9 p.
6890. BIGGER, JOHN H. Breeding corn for resistance to insect attack. Journal of Economic Entomology 34(3):341-347. June 1941.
6891. _____ Insect resistance in corn. American Society of Agronomy. Journal 35(8):689-694. Aug. 1943.
6892. _____ Possible effect of regulated production on insect damage to corn. Journal of Economic Entomology 28(4): 692-695. Aug. 1935.
6893. _____ & BLANCHARD, R. A. Ecology and control of soil insects attacking corn in Illinois. Journal of Economic Entomology 48(3):255-260. June 1955.

6894. BIGGER, JOHN H. & BLANCHARD, R. A. Insecticidal control of under-ground insects of corn; a report of a 5-year study. Illinois Agricultural Experiment Station Bulletin 641. 1959. 28 p.
6895. _____ & FLINT, W. P. Studies on the effect of crop rotation on some insects infesting corn roots in Illinois. Journal of Economic Entomology 32(4):565-571. Aug. 1939.
6896. BLACK, D. T., DITMAN, L. P. & BURKHARDT, G. J. A high-clearance self-propelled sprayer for sweet corn. U. S. Department of Agriculture Circular no. 946. 1954. 13 p.
6897. BOSWELL, VICTOR R. & OTHERS. Effects of certain insecticides in soil on crop plants. U. S. Department of Agriculture Technical Bulletin no. 1121. 1955. 59 p.
6898. BROOKS, JAMES W. & ANDERSON, LAUREN D. Toxicity tests of some new insecticides. Journal of Economic Entomology 40(2):220-228. April 1947.
Control of corn lantern fly, Peregrinus maidis (Ashm.) and fall armyworm, Laphygma frugiperda (A. & S.)
6899. CARTWRIGHT, OSCAR L. A survey of field infestations of insects attacking corn in the ear in South Carolina. Journal of Economic Entomology 32(6):780-782. Dec. 1939.
6900. CHARMOY, D. D'EMMEREZ & GEBERT, S. Insect pests of various minor crops and fruit trees in Mauritius. Bulletin of Entomological Research 12(2):181-190. Sept. 1921.
Corn pests, pp. 183-184.
6901. CONNELL, W. A. Control of larvae infesting sweet corn ears. Journal of Economic Entomology 49(4):539-542. Aug. 1956.
Corn earworm and dusky sap beetle.
6902. CORN PESTS and their control. Plant Industry Digest (Philippines) 21(9-10):36. Sept.-Oct. 1958.
6903. DITMAN, L. P., VOGT, GEORGE B. & SMITH, DWIGHT R. The relation of unfreezeable water to cold-hardiness of insects. Journal of Economic Entomology 35(2):265-272. April 1942.
6904. _____, VOGT, GEORGE B. & SMITH, DWIGHT R. Undercooling and freezing of insects. Journal of Economic Entomology 36(2): 304-311. April 1943.
6905. DOUGLAS, W. A. & SMITH, C. E. Control of corn earworm and rice weevil in dent corn with DDT-mineral oil emulsions. Journal of Economic Entomology 46(4):683-684. Aug. 1953.

6906. EDEN, W. G. Control of corn earworm and stored grain insects in a single-cross corn. *Journal of Economic Entomology* 47(6): 1124-1126. Dec. 1954.
6907. ELLIOTT, CHARLOTTE & POOS, F. W. Seasonal development, insect vectors, and host range of bacterial wilt of sweet corn. *Journal of Agricultural Research* 60(10): 645-686. May 15, 1940.
6908. ESCOTO, EDUARDO. Descripcion de las plagas mas importantes en el maiz en Honduras. *En Reunion Centroamericana sobre Mejoramiento del Maiz*, 3a, Antigua, Guatemala, 1956. Proyecto Cooperativo Centroamericano. Turrialba, C. R., Instituto Interamericano de Ciencias Agricolas, 1956. pp. 155-159.
6909. FLINT, WESLEY P. Effect on insects of treating seed corn with certain fungicides. *Journal of Economic Entomology* 23(2): 404-406. April 1930.
6910. FLOYD, E. H. & SMITH, C. E. Control of the southern corn root-worm and the seed-corn maggot in Louisiana. *Journal of Economic Entomology* 42(6): 908-910. Dec. 1949.
6911. FORBES, STEPHEN A. Field experiments and observations on insects injurious to Indian corn. *Illinois Agricultural Experiment Station Bulletin* no. 104: 94-152. 1905.
6912. _____ The general entomological ecology of the Indian corn plant. *American Naturalist* 43(509): 286-301. May 1909.
6913. _____ Insect injuries to the seed and root of Indian corn. *Illinois Agricultural Experiment Station Bulletin* no. 44: 209-296. 1896.
6914. _____ The more important insect injuries to Indian corn; general introduction to the subject, and discussion of insects injurious to the plant above ground. *Illinois Agricultural Experiment Station Bulletin* no. 95: 329-399. 1904.
6915. FULLAWAY, DAVID T. Insects injurious to corn. *Hawaii Agricultural Experiment Station Bulletin* no. 27. 1912. 20 p.
6916. GARMAN, H. Corn pests. *Kentucky Agricultural Experiment Station Bulletin* no. 145: 291-298. 1909.
6917. GIBSON, ARTHUR. Co-operation between the United States and Canada in entomological problems. *Journal of Economic Entomology* 28(1): 123-130. Feb. 1935.

6918. GONZALEZ, JOSE AGUSTIN. Lista de insectos observados sobre maiz (Zea mays L.) en Venezuela. Tesis sin publicar. Maracay, Universidad Central de Venezuela, Facultad de Agronomia, 1955. 42 p. (mimeografiado)
6919. GONZALEZ MENDOZA, RAFAEL. Principales plagas del maiz y su control. Agricultura Tropical (Colombia) 11(5):393-397. Mayo 1955.
6920. GOSSARD, H. A. Fall manual of practice in economic zoology. Ohio Agricultural Experiment Station Bulletin no. 233:53-164. 1911. Insects attacking corn, pp. 71-76.
6921. _____ Insects resembling European corn borer. Ohio Agricultural Experiment Station Monthly Bulletin 4(12):372-379. Dec. 1919.
6922. GOULD, GEORGE E. Studies on germination of seed corn treated to control soil insects. Indiana (Purdue) Agricultural Experiment Station Bulletin 624. 1955. 12 p.
6923. HAINES, ROBERT G. Evidence of lindane translocation in corn plants. Journal of Economic Entomology 49(4):563-564. Aug. 1956.
6924. HARGREAVES, H. Maize: pests. In Tothill, J. D. Agriculture in Uganda. Oxford, Oxford University Press, 1940. pp. 150-153.
6925. HARRIS, W. VICTOR. Annotated list of insects injurious to native food crops in Tanganyika. Bulletin of Entomological Research 28(3):483-488. Oct. 1937.
6926. HASEMAN, LEONARD. Insect pests of field crops. Missouri Agricultural Experiment Station Bulletin no. 134. 1915. 39 p. Corn pests, pp. 3-17.
6927. HECHT TH., OTTO. Plagas agricolas; introduccion a la biologia de las plagas causadas por insectos y los metodos de combatirlas. Mexico, D. F., Editorial E.C.L.A.L., 1954. 199 p. Maiz, pp. 1-33, 98-100, 157-159, 166-169, 170-171, 173-177, 184-188.
6928. HERNANDEZ, ROGELIO & ABURTO, SERGIO. Estudios sobre la biologia de las especies Nicentrus testaceipes (Champ.) y Geraeus spp. en Chapingo, Mexico. En Asamblea Latinoamericana de Fitoparasitologia, 1a, Mexico, D. F., 1950. Trabajos presentados. Mexico, Secretaria de Agricultura y Ganaderia, Oficina de Estudios Especiales, Folleto Miscelaneo no. 4. 1951. pp. 42-46.

6929. HOPKINS, A. D. & RUMSEY, W. E. Practical entomology: insects injurious to farm and garden crops; the character of the injury, the insect causing it, the remedy. West Virginia Agricultural Experiment Station Bulletin 44: 245-325. 1896.
Insects attacking corn, pp. 276-283.
6930. HUBER, L. L. & STRINGFIELD, G. H. Strain susceptibility to the European corn-borer and the corn-leaf aphid in maize. Science (n. s.) 92(2382):172. Aug. 23, 1940.
6931. HUNTER, W. D. Relation between rotation systems and insect injury in the South. In U. S. Department of Agriculture. The yearbook of agriculture, 1911. Washington, D. C., U. S. Government Printing Office, 1911. pp. 201-210.
6932. JOGLAR-RODRIGUEZ, F. Insectos que mas atacan al maiz. Revista de Agricultura, Industria y Comercio de Puerto Rico 35(2): 186-189. Mayo-Dic. 1944.
6933. JOHNS, D. M. & BROWN, H. B. Effect of date of planting on corn yields, insect infestation, and fungous diseases. Louisiana Agricultural Experiment Station Bulletin no. 327. 1941. 28 p.
6934. KELSHEIMER, E. G., HAYSLIP, N. C. & WILSON, J. W. Control of budworms, earworms and other insects attacking sweet corn and green corn in Florida. Florida Agricultural Experiment Station Bulletin 466. 1950. 38 p.
6935. KOONE, HAROLD D. & BANEGAS, ALBERTO D. Entomologia economica Hondurena. Honduras, Secretaria de Recursos Naturales, Servicio Tecnico Interamericano de Cooperacion Agricola (STICA), Boletin Tecnico no. 6. 1958. 138 p.
Insectos del maiz, pp. 5-20.
6936. _____ & BANEGAS, ALBERTO D. Plagas del maiz. Honduras, Secretaria de Recursos Naturales, Servicio Tecnico Interamericano de Cooperacion Agricola (STICA), Folleto no. 3. 1956. 14 p.
6937. KULASH, WALTER M. Stop those corn-eating insects. North Carolina Research and Farming 10(3):4-5. Winter 1952.
6938. LAMBORN, W. A. The agricultural pests of the Southern Provinces, Nigeria. Bulletin of Entomological Research 5(3):197-214. Dec. 1914.
Corn pests, pp. 208-212.
6939. LANGFORD, GEORGE S., CORY, ERNEST N. & FOSTER, J. R. High clearance ground machinery developed in Maryland for spraying corn. Journal of Economic Entomology 43(2):198-202. April 1950.

6940. LARRIMER, W. H. Symposium: the effect of the 1930 drought upon insect population; the effect on cereal crop insects. *Journal of Economic Entomology* 24(3):651-653. June 1931.
6941. LEVER, R. J. A. Insect pests of some economic crops in Fiji. *Bulletin of Entomological Research* 35(4):367-377. 1945.
6942. LILLY, J. H. & GUNDERSON, HAROLD. Insecticides ... for soil insects. *Iowa Farm Science* 7(9):15-17. Mar. 1953.
6943. _____ & GUNDERSON, HAROLD. Soil insecticides ... crop insurance. *Iowa Farm Science* 9(9):9-11. Mar. 1955.
6944. MCCOY, C. E. & BRINDLEY, TOM A. Those four-spotted bugs ... friend or foe? *Iowa Farm Science* 6(11):12-13. May 1952.
Beetle that kills corn borer larvae.
6945. MERRILL, LELAND G. & PEPPER, BAILEY B. Insects of corn and the cabbage family. *New Jersey College of Agriculture Extension Service Bulletin* 305. 1957. 16 p.
6946. _____ & REED, JOHN P. Sweet corn pest control. *New Jersey College of Agriculture Extension Service Bulletin* 309. 1958. 14 p.
6947. MOLINA, CECILIA. Las plagas que afectan al maiz. *Campo (Mexico)* 16(682):4-6, 8-10, 12, 14, 16-21. Dic. 1948.
6948. MORALES M., EVARISTO. Algunas plagas comunes del maiz y del arroz. *San Jose, C. R., Ministerio de Agricultura, Boletin Tecnico* no. 17. 1956. 12 p.
6949. MOREIRA, CARLOS. Insetos nocivos ao arroz e ao milho. *Boletim de Agricultura, Zootecnia e Veterinaria (Brasil)* 5(9):219-221. Sept. 1932.
6950. MOSSOP, M. C. Report of the Division of Entomology for the year ending 31st. December, 1947. *Rhodesia Agricultural Journal* 45(3):230-248. May-June 1948.
Corn pests, pp. 230-232.
6951. _____ Report of the Chief Entomologist for the year ending 30th September, 1953. *Rhodesia Agricultural Journal* 51(4):275-286. July-Aug. 1954.
Corn pests, pp. 275-276.
6952. _____ Summary of annual report of the Chief Entomologist for the year ended 31st. December, 1948. *Rhodesia Agricultural Journal* 46(4):273-277. July-Aug. 1949.
Corn pests, pp. 273-274.

6953. MUMA, MARTIN H. Insects injurious to corn in Nebraska.
Nebraska College of Agriculture Extension Service Circular
1537. 1946. 20 p.
6954. NEISWANDER, C. R. The sources of American corn insects. Ohio
Agricultural Experiment Station Bulletin 473. 1931. 98 p.
6955. NORTH CAROLINA AGRICULTURAL EXPERIMENT STATION. Insects damage
corn seriously during 1948. Research & Farming Progress
Report 7(4):30-31. April 1949. (71st. annual report,
1948).
6956. OSBORN, HERBERT. Corn insects: their injuries and how to treat
them. Iowa Agricultural Experiment Station Bulletin no.
24: 991-1005. 1894.
6957. OSORIO A., FRANCISCO. Las principales plagas del maiz
encontradas en los campos experimentales de la Comision
del Maiz durante 1950. En Asamblea Latinoamericana de
Fitoparasitologia, 1a, Mexico, D. F., 1950. Trabajos
presentados. Mexico, Secretaria de Agricultura y Ganaderia,
Oficina de Estudios Especiales, Folleto Miscelaneo no. 4.
1951. pp. 30-34.
6958. OTANES, FAUSTINO Q. & KARGANILLA, LEOPOLDO T. Insects and other
pests of corn. Philippine Journal of Agriculture 13(2-4):
207-238. Fourth Quarter 1947.
6959. PACHECO M., FRANCISCO. Fluctuaciones de las poblaciones de
insectos que atacaron al maiz y al frijol en Progreso, Mor.,
en 1949-1950. En Asamblea Latinoamericana de Fitoparasit-
ologia, 1a, Mexico, D. F., 1950. Trabajos presentados.
Mexico, Secretaria de Agricultura y Ganaderia, Oficina de
Estudios Especiales, Folleto Miscelaneo no. 4. 1951.
pp. 46-51.
6960. PACKARD, C. M. Cereal and forage insects. In U. S. Department
of Agriculture. Insects, the yearbook of agriculture, 1952.
Washington, D. C., U. S. Government Printing Office, 1952.
pp. 581-595.
Includes white-fringed beetles, May or June beetles,
chinch bugs, corn flea beetle, Southern corn rootworm, etc.
6961. PAINTER, REGINALD H. Insects on corn and teosinte in Guatemala.
Journal of Economic Entomology 48(1):36-42. Feb. 1955.
6962. PEPPER, J. O. Insects attacking vegetables and their control.
Pennsylvania College of Agriculture Extension Service
Circular 360. 1950. 26 p.
Sweet corn, pp. 13-14.

6963. PESTICIDES in tropical agriculture. Journal of Agricultural and Food Chemistry 2(26):1310-1316. Dec. 22, 1954.
6964. PETTIT, R. H. Common pests of field and garden crops. Michigan Agricultural Experiment Station Special Bulletin no. 183, rev. 1934. 79 p. Corn pests, pp. 52-66.
6965. _____ Common pests of field and garden crops. Michigan Agricultural Experiment Station Special Bulletin no. 132. 1924. 60 p. European corn borer, pp. 32-33, corn earworm, pp. 34-37, chinch-bug, pp. 37-38.
6966. PETTY, H. B. & MOORE, STEVENSON. Profitable control of underground corn insects. Illinois Agricultural Experiment Station Extension Service Circular 805. 1959. 8 p.
6967. PLAGAS DEL maiz, San Jacinto, Mexico, Secretaria de Agricultura y Fomento, Seccion de Consultas, Boletin de Divulgacion Defgricola I-4. 1940. 7 p. (mimeografiado)
6968. POOS, F. W. & ELLIOTT, CHARLOTTE. Bacterial wilt of corn and its insect vectors. (Abstract) Phytopathology 25(1):32. Jan. 1935.
6969. PORTMAN, R. W. & MANIS, H. C. Idaho recommendations for insect control. Idaho Agricultural Extension Service Bulletin 216. 1954. 74 p.
6970. QUESTEL, D. D. & BRADLEY, Wm. G. Mortality of aphids and European corn borers feeding on corn plants grown in soil treated with bis (2-(2-fluoroethoxy)ethoxy) methane. Journal of Economic Entomology 44(2):259-260. April 1951.
6971. RAMIREZ GENEL, MARCOS. Principales insectos que atacan al maiz y su forma de control. En Reunion Centroamericana sobre el Mejoramiento del Maiz, 1a, Turrialba, C. R., 1954. Proyecto Cooperativo Centroamericano. Turrialba, C. R., Instituto Interamericano de Ciencias Agricolas, 1954. pp. 317-329.
6972. RAND, FREDERICK V. & CASH, LILLIAN C. Further evidence of insect dissemination of bacterial wilt of corn. Science (n. s.) 59(1516):67-69. Jan. 18, 1924.
6973. RICHARDSON, CHARLES H. Effects of insecticidal fumigants on the germination of seed corn. Journal of Economic Entomology 44(4):604-608. Aug. 1951.

6974. ROLSTON, L. H. & OTHERS. Parasites of the European corn borer in Ohio. Ohio Agricultural Experiment Station Research Bulletin 819. 1958. 35 p.
6975. ROSE, G. J. Crop protection. London, Leonard Hill, 1955. 223 p.
Maize, pp. 71, 78, 80, 82, 83, 108, 189.
6976. SALAS P., LUIS A. Insectos perjudiciales en el maiz. En Reunion Centroamericana sobre el Mejoramiento del Maiz, 1a, Turrialba, C. R., 1954. Proyecto Cooperativo Centroamericano. Turrialba, C. R., Instituto Interamericano de Ciencias Agricolas, 1954. pp. 305-311.
6977. SALDARRIAGA V., ALFREDO. Resumenes sobre control de las principales plagas del maiz en Colombo. En Reunion Centroamericana sobre Mejoramiento del Maiz, 3a, Antigua, Guatemala, 1956. Proyecto Cooperativo Centroamericano. Turrialba, C. R., Instituto Interamericano de Ciencias Agricolas, 1956. pp. 139-143.
6978. SEVERIN, H. C. Injurious corn insects. South Dakota Agricultural Experiment Station Bulletin no. 178: 780-813. 1918.
6979. SHROPSHIRE, L. H. & COMPTON, C. C. Saving garden crops from insect injury. Illinois Agricultural Experiment Station Circular 437, rev. 1937. 53 p.
Corn, pp. 20-25.
6980. SIMON F., JUAN E. Accion de los insecticidas organicos sobre las plagas del maiz para chala. Peru, Centro Nacional de Investigacion y Experimentacion Agricola "La Molina", Informe no. 75. 1952. 36 p.
6981. _____ Algunas consideraciones sobre el control de las plagas del cultivo del maiz para chala. Peru, Ministerio de Agricultura, Programa Cooperativo de Experimentacion Agropecuaria (PCEA) Boletin Trimestral de Experimentacion Agropecuaria 2(3):26-28. Julio-Sept. 1953.
6982. _____ Control de las plagas en el cultivo del maiz para chala. Chacra (Peru) no. 31:47. Mayo-Junio 1954.
6983. _____ Cultivo economico de maiz para chala, durante el verano, mediante el uso de insecticidas organicos. En Congreso Nacional de Ingenieros Agronomos, 2do, Lima, Peru, 1952. Anales. Lima, 1952. pp. 588-597.

6984. SIMON F., JUAN E. Los cultivos de maiz para chala y gramalote en el Valle del Rimac. Peru, Ministerio de Agricultura, Division de Defensa Agricola, 1951. 8 p.
Informe del Asistente en Entomologia.
6985. STARKS, K. J. & LILLY, J. H. Some effects of insecticide seed treatment on dent corn. Journal of Economic Entomology 48(5):549-555. Oct. 1955.
6986. SYMONS, T. B. The common injurious and beneficial insects of Maryland. Maryland Agricultural Experiment Station Bulletin no. 101:125-204. 1905.
Insects affecting corn, pp. 160-165, insects of stored grain, pp. 167-169.
6987. TAYLOR, F. Ways to increase maize yields: controlling insect pests; the maize plant, in all its phases from germination to maturity, also its silks, tassels and cobs, is liable to be attacked by insects, which may cause serious damage. Farming in South Africa 29(345):563-566. Dec. 1954.
6988. TORRE R., GUSTAVO DE LA. Control de las principales plagas entomologicas del maiz. (Extracto) Agronomia (Peru) 18(74):110-113. Junio-Agosto 1953.
Extracto de Informaciones del SCIPA no. 80.
6989. ULLYETT, G. C. Notes on Apanteles sesamiae, Cam., a parasite of the maize stalk-borer (Busseola fusca, Fuller) in South Africa. Bulletin of Entomological Research 26(2): 253-262. June 1935.
6990. U. S. DEPARTMENT OF AGRICULTURE. ENTOMOLOGY RESEARCH DIVISION. Insecticide recommendations ... for the control of insects attacking crops and livestock - 1957 season. U. S. Department of Agriculture Agriculture Handbook no. 120. 1957. 109 p.
Insects of corn, pp. 10-14.
6991. VERMA, JIT SINGH. Effects of demeton and schradan on Peregrinus maidis (Ashm.) and its egg-predator, Cyrtorhinus mundulus (Breddin). Journal of Economic Entomology 49(1):58-63. Feb. 1956.
6992. VIADO, G. B., BANAAG, A. F. & LUIS, R. A. Planting dates of corn in relation to insect infestation. Philippine Agriculturist 41(8):440-449. Jan. 1958.

6993. WALKDEN, H. H. & NELSON, HOWARD D. Evaluation of synergized pyrethrum for the protection of stored wheat and shelled corn from insect attack. U. S. Department of Agriculture Marketing Research Report no. 322. 1959. 48 p.
6994. WALTON, W. R. How to detect outbreaks of insects and save the grain crops. U. S. Department of Agriculture Farmers' Bulletin no. 835, rev. 1931. 21 p.
6995. WATSON, J. R. Florida truck and garden insects. Florida Agricultural Experiment Station Bulletin 134. 1917. 127 p.
Insects attacking corn, pp. 73-82.
6996. WEBSTER, F. M. Some things that the grower of cereal and forage crops should know about insects. In U. S. Department of Agriculture. The yearbook of agriculture, 1908. Washington, D. C., U. S. Government Printing Office, 1908. pp. 367-388.
6997. WEED, HOWARD EVARTS. Insects injurious to corn. Mississippi Agricultural Experiment Station Bulletin no. 36:145-159. 1895.
6998. WHITNEY, W. KEITH, ORLO K. & BULGER, CARL S. Effects of methyl bromide fumigation on the viability of barley, corn, grain sorghum, oats, and wheat seeds. Journal of Economic Entomology 51(6):847-861. Dec. 1958.
6999. WILLE T., J. E. Formas recomendables para controlar los insectos daninos que atacan a las plantas cultivadas en el Peru. Peru, Centro Nacional de Investigacion y Experimentacion Agricola "La Molina", Divulgacion Agricola no. 12. 1951. 63 p.
Maiz, pp. 14-16.
7000. _____ Principales insectos de las plantas cultivadas en el Peru. Peru, Estacion Experimental Agricola "La Molina", Boletin no. 55. 1954. 55 p.
Insectos que atacan maiz, pp. 16-17.

Coleoptera

7001. ANGLADE, P. & BERJON, J. Inefficacite du traitement des semences vis a vis des taupins nuisibles au mais dans le Sud-Ouest et procedes de lutte contre ces insectes. Academie d'Agriculture de France. Comptes Rendus Hebdomadaires des Seances 39(4):201-206. Fev. 1953.
7002. APPLE, J. W. Reduced dosages of insecticides for corn rootworm control. Journal of Economic Entomology 50(1):28-30. Feb. 1957.
7003. _____, STRONG, F. E. & RAFFENSPERGER, E. M. Efficacy of insecticidal seed treatments against wireworms on lima beans and corn. Journal of Economic Entomology 51(5): 690-692. Oct. 1958.
7004. ARANT, F. S. Biology and control of the southern corn rootworm. Alabama Agricultural Experiment Station Bulletin 230. 1929. 46 p.
Diabrotica duodecimpunctata.
7005. _____ Time of turning legumes and planting corn to avoid injury from the southern corn root worm. Alabama Agricultural Experiment Station Circular 65. 1934. 10 p.
Diabrotica duodecimpunctata.
7006. BACK, E. A. & COTTON, R. T. The granary weevil. U. S. Department of Agriculture Department Bulletin no. 1393. 1926. 36 p.
Sitophilus granarius L.
7007. BAERG, W. J. Rough-headed corn stalk-beetle. Arkansas Agricultural Experiment Station Bulletin no. 415. 1942. 22 p.
Euetheola rugiceps.
7008. _____ & PALM, C. E. Rearing the rough-headed corn stalk-beetle. Journal of Economic Entomology 25(2):207-212. April 1932.
Euetheola rugiceps.
7009. BALL, HAROLD J. Corn rootworm control for surface-planted and listed corn. Journal of Economic Entomology 49(5):709-710. Oct. 1956.

7010. BALL, HAROLD J. Effect of insecticides on corn root growth. Journal of Economic Entomology 49(2):230-233. April 1956.
Corn rootworms.
7011. _____ On the biology and egg-laying habits of the western corn rootworm. Journal of Economic Entomology 50(2):126-128. April 1957.
7012. _____ & HILL, ROSCOE, E. You can control corn rootworm. Nebraska Agricultural Experiment Station Quarterly 1(3): 3-4. Winter 1952-53.
7013. _____ & ROSELLE, ROBERT E. You can control corn rootworms. Nebraska College of Agriculture Extension Service Circular 1567. 1954. 4 p.
7014. BASSOLS, I. & BARRERA A., A. Notas sobre larvas. II. "Calendra callosa" (Oliver), 1807, nueva plaga del maiz en Mexico. Fitofilo (Mexico) 6(6):33-42. Mayo-Junio 1952.
7015. BECKLEY, V. A. Protection of grain against weevils. East African Agricultural Journal 14(2):71-76. Oct. 1948.
7016. BIGGER, JOHN H. Short rotation fails to prevent attack of Diabrotica longicornis Say. Journal of Economic Entomology 25(2):196-199. April 1932.
7017. _____ & MARCH, R. B. Rearing southern corn rootworms on seedling corn plants. Journal of Economic Entomology 36(2):349-350. April 1943.
7018. _____, SNELLING, RALPH O. & BLANCHARD, RALPH A. Resistance of corn strains to the southern corn rootworm, Diabrotica duodecimpunctata F. Journal of Economic Entomology 34(5): 605-613. Oct. 1941.
7019. _____ & OTHERS. Resistance of certain corn hybrids to attack of southern corn rootworm. Journal of Economic Entomology 31(1):102-107. Feb. 1938.
7020. BRETT, CHARLES H. Japanese beetles: differences in damage to varieties of sweet corn and control with DDT. Journal of Economic Entomology 51(2):247. April 1958.

7021. BRYSON, HARRY R. A study of field practices as related to wire-worm infestations (Elateridae). Journal of Economic Entomology 23(2):303-315. April 1930.
7022. _____, WILBUR, DONALD A. & BURKHARDT, C. C. The western corn rootworm, Diabrotica virgifera Lec. in Kansas. Journal of Economic Entomology 46(6):995-999. Dec. 1953.
7023. BURKHARDT, C. C. Chemical control of the western corn rootworm in Kansas in 1953. Journal of Economic Entomology 47(4): 691-696. Aug. 1954.
7024. _____ Control of injury by western corn rootworm adults. Journal of Economic Entomology 47(2):358-359. April 1954.
7025. CARTWRIGHT, OSCAR L. The maize billbug in South Carolina (Calendra maidis Chittn.). South Carolina Agricultural Experiment Station Bulletin 257. 1929. 35 p.
7026. _____ The rice weevil and associated insects in relation to shuck lengths and corn varieties. South Carolina Agricultural Experiment Station Bulletin 266. 1930. 28 p.
7027. CEVALLOS, MIGUEL A. Control de gorgojos del maiz almacenado en la hacienda. En Asamblea Latinoamericana de Fitoparasitologia, 1a, Mexico, D. F., 1950. Trabajos presentados. Mexico, Secretaria de Agricultura y Ganaderia, Oficina de Estudios Especiales, Folleto Miscelaneo no. 4. Oct. 1951. pp. 21-26.
7028. CONRADI, A. F. & EAGERTON, H. C. Corn and cotton wireworm (Horistonotus uhleri, Horn.). South Carolina Agricultural Experiment Station Bulletin no. 180. 1914. 16 p.
7029. CONTROLLING weevils in corn. Georgia (Coastal Plain) Agricultural Experiment Station Mimeograph Paper no. 43. 1945. 2 p.
7030. COON, BECKFORD F. Duplicating Japanese beetle injury in field corn. Journal of Economic Entomology 38(5):604-605. Oct. 1945.
7031. _____ Japanese beetle damage in field corn. Pennsylvania Agricultural Experiment Station Progress Report no. 55. 1951. 7 p.

7032. COON, BECKFORD F. Well-timed dusting with DDT destroys Jap beetles on corn silks. Pennsylvania Agricultural Experiment Station. Science for the Farmer Supplement no. 2 to Bulletin 529:3, 9. Mar. 1951.
7033. COTTON, RICHARD T. Broad-nosed grain weevil. U. S. Department of Agriculture Bulletin no. 1085. 1922. 10 p.
Caulophilus latinasus Say.
7034. _____ Four Rhynchophora attacking corn in storage. Journal of Agricultural Research 20(8):605-614. Jan. 15, 1921.
7035. COX, H. C. & LILLY, J. H. Chemical control of the corn rootworm. Journal of Economic Entomology 46(2):217-224. April 1953.
7036. DE, R. K. & KULASH, WALTER M. Can we outgrow weevily corn? North Carolina Agricultural Experiment Station Research and Farming 17(2):15. Aug. 1958.
Sitophilus oryza (L.).
7037. DELGADO M., NELSON & HERNANDEZ LUNA, ROGELIO. Control del gorgojo de la semilla del maiz (Prostephanus truncatus (Horn)). En Asamblea Latinoamericana de Fitoparasitologia, 1a, Mexico, D. F., 1950. Trabajos presentados. Mexico, Secretaria de Agricultura y Ganaderia, Oficina de Estudios Especiales, Folleto Miscelaneo no. 4. 1951. pp. 26-29.
7038. DOGGER, J. R. & LILLY, J. H. Seed treatment as a means of reducing wireworm damage to corn. Journal of Economic Entomology 42(4):663-665. Aug. 1949.
Also in: Seed World 66(11):44-45, 51. June 1950.
7039. DRAKE, CARL J., TRAVIS, B. V. & COLLINS, E. V. A preliminary report on the control of white grubs with a rotary plow. Journal of Economic Entomology 25(2):199-206. April 1932.
7040. EDEN, W. G. Control of rice weevil in corn with protectant dusts and sprays. Journal of Economic Entomology 46(6): 1105-1107. Dec. 1953.
7041. _____ Control of the sugarcane beetle in corn. Journal of Economic Entomology 47(6):1155-1156. Dec. 1954.
7042. _____ Effect of fertilizer on rice weevil damage to corn at harvest. Journal of Economic Entomology 46(3):509-510. June 1953.
Greenhouse thrips, chinch bugs, greenbugs, rice weevil.

7043. EDEN, W. G. Effect of husk cover of corn on rice weevil damage in Alabama. *Journal of Economic Entomology* 45(3): 543-544. June 1952.
7044. Effects of kernel characteristics and components of husk cover on rice weevil damage to corn. *Journal of Economic Entomology* 45(6):1084-1085. Dec. 1952.
7045. EDDY, C. O. The corn silk beetle. *Louisiana Agricultural Experiment Station Bulletin* no. 323:15-16. 1940.
Luperodes brunneus Crotch.
7046. FARRAR, M. D. How to stop weevil damage in stored grain. *Illinois Agricultural Experiment Station Circular* 489. 1939. 8 p.
7047. FENNELL, JOSEPH L. Maiz resistente al gusano de la raiz. *Hacienda* 41(2):56. Feb. 1946.
7048. FIND MEADOW helps control corn root rot and corn rootworms. *Iowa Farm Science* 8(1):16. July 1953.
7049. FLINT, WESLEY P. How to stop "weevil" damage in stored grain. *Illinois Agricultural Experiment Station Circular* 380. 1931. 4 p.
7050. FLOYD, E. H., POWELL, J. D. & INGRAM, J. W. Some factors influencing the infestation in corn in the field by the rice weevil. *Journal of Economic Entomology* 51(1):23-26. Feb. 1958.
Sitophilus oryzae.
7051. FORBES, STEPHEN A. The corn bill-bugs in Illinois. *Illinois Agricultural Experiment Station Bulletin* no. 79:435-461. 1902.
7052. FRONK, W. D. Cultural and biological control of the southern corn rootworm in peanuts. *Journal of Economic Entomology* 43(1):22-24. Feb. 1950.
7053. FROST, S. W. Little-known corn pest may be responsible for poor stands. *Pennsylvania Agricultural Experiment Station. Science for the Farmer* (Supplement no. 1 to Bulletin 540) Dec. 1951. p. 9.
Clivina impressifrons.

7054. FULTON, B. B. Soil insecticides for control of the southern corn rootworm. Journal of Economic Entomology 39(6): 781-783. Dec. 1946.
7055. GARMAN, H. The corn root-worms, Diabrotica 12-punctata and D. longicornis. Kentucky Agricultural Experiment Station Bulletin no. 130:42-46. 1907.
7056. GEE, WILSON P. The corn weevil (Calandra oryza Linn.). South Carolina Agricultural Experiment Station Bulletin no. 170. 1912. 21 p.
7057. GIBSON, EDMUND H. The corn and cotton wireworm in its relation to cereal and forage crops, with control measures. U. S. Department of Agriculture Farmers' Bulletin 733. 1916. 8 p.
7058. GUTIERREZ GUTIERREZ, MARIO. Consideraciones generales y experimentacion preliminar sobre el cultivo y mejoramiento del maiz en la zona atlantica de Costa Rica, con especial referencia al volcamiento producido por Diabrotica spp. Tesis de Ing. Agr. San Jose, C. R., Universidad de Costa Rica, Facultad de Agronomia, 1946. 48 p. (mecanografiado) Publicado en: Revista de Agricultura (Costa Rica) 19(1): 5-7, 9-11; (2):53-57, 59-61; (4):151, 153-155, 157. Enero, Feb., Abril 1947.
7059. HAEUSSLER, G. J. Chemical control of wireworms profitable on irrigated land. U. S. Department of Agriculture Research Achievement Sheet 164(E). 1953.
7060. HAMNER, A. L. Line cribs and fumigate corn for weevil control. Mississippi Farm Research 8(7):7. July 1945.
7061. _____ & ASHLEY, T. E. Insecticides for weevil control in stored corn. Mississippi Farm Research 17(3):4. Mar. 1954.
7062. HANSEN, H. L. & DORSEY, C. K. Southern corn rootworm control in West Virginia. West Virginia Agricultural Experiment Station Circular 102. 1957. 5 p.
7063. HAWKINS, JOHN H. The bionomics and control of wireworms in Maine. Maine Agricultural Experiment Station Bulletin 381:1-146. 1936.
7064. _____ Wireworm control in Maine. Journal of Economic Entomology 23(2):349-352. April 1930.

7065. HAWKINS, JOHN H. Wireworms affecting Maine agriculture (a preliminary report). Maine Agricultural Experiment Station 343. 1928. 20 p.
7066. _____, McDANIEL, IVAN N. & MURPHY, ELIZABETH. Wireworms affecting the agricultural crops of Maine. Maine Agricultural Experiment Station Bulletin 578. Nov. 1958. 40 p.
7067. HAYES, WILLIAM P. The maize billbug or elephant bug (Sphenophorus maidis Chittn.). Kansas Agricultural Experiment Station Technical Bulletin 6. 1920. 27 p.
7068. HENDERSON, C. A., INGRAM, J. W. & DOUGLAS, W. A. Control measures for corn beetle. Mississippi Farm Research 20(4):3. April 1957.
7069. _____, INGRAM, J. W. & DOUGLAS, W. A. Insecticides for control of the sugarcane beetle on corn. Journal of Economic Entomology 51(5):631-633. Oct. 1958.
7070. HENSILL, G. S. Protection of growing plants from soil insects by use of insecticides on seeds. Agricultural Chemicals 4(9): 29-30. Sept. 1949.
7071. HERNANDEZ LUNA, ROGELIO. Ciclo biológico del "picudo chico del maíz" Nicentrites testaceipes (Champion) y su importancia para la agricultura en Mexico. Chapingo (Mexico) 8(56): 55-64. Mar.-Abril 1956.
7072. HILL, ROSCOE E., HIXSON, EPHRAIM & MUMA, MARTIN H. Corn rootworm control tests with benzene hexachloride DDT, nitrogen fertilizers and crop rotations. Journal of Economic Entomology 41(3):392-401. June 1948.
7073. HIXSON, EPHRAIM, MUMA, MARTIN, H. & HILL, ROSCOE E. Corn rootworm control in Nebraska. Nebraska College of Agriculture Extension Service Circular 1506. 1949. 4 p.
Diabrotica undecimpunctata, Diabrotica longicornis and Diabrotica virgifera.
7074. HOEGEMEYER, LEONARD C. An association of root injury by white grubs, Phyllophaga spp., and lodging of crossbred strains of corn. American Society of Agronomy. Journal 33(12): 1100-1107. Dec. 1941.
7075. HYSLOP, J. A. Wireworms attacking cereal and forage crops. U. S. Department of Agriculture Bulletin no. 156. 1915. 34 p.
Corn wireworms, Horistonotus uhleri and Melanotus communis, pp. 7-9, 16-18.

7076. INSECTICIDES control rootworm in corn. Iowa Farm Science 9(2):17. Aug. 1954.
7077. INSTITUTO TECNOLOGICO Y DE ESTUDIOS SUPERIORES EN MONTERREY. Control de la pulga saltona en maiz. Agronomia (Mexico) no. 64: 7-9. Mayo-Junio 1959.
7078. _____ Biología parcial de la pulga saltona del maiz. Agronomia (Mexico) no. 64: 5. Mayo-Junio 1959.
7079. ISELY, DWIGHT. Relation of crib type to weevil injury to corn. Journal of Economic Entomology 40(3):438-439. June 1947.
7080. _____ The southern corn rootworm. Arkansas Agricultural Experiment Station Bulletin no. 232. 1929. 31 p.
7081. JOHNSON, DONALD R. Chemical treatment of seed corn for control of Agonoderus comma. Journal of Economic Entomology 42(5):801-805. Oct. 1949.
7082. JONES, E. W. & SHIRCK, F. H. The seasonal vertical distribution of wireworms in the soil in relation to their control in the Pacific Northwest. Journal of Agricultural Research 65(3):125-142. Aug. 1, 1942.
Corn, pp. 133-134.
7083. KELLY, E. O. G. The maize billbug. U. S. Department of Agriculture. Bureau of Entomology Bulletin no. 95, pt. 2. 1911. 22 p.
Sphenophorus maidis Chittn.
7084. _____ The southern corn leaf-beetle. U. S. Department of Agriculture Bulletin no. 221. 1915. 11 p.
Myochrous denticollis Say.
7085. KIRK, VERNON M. Control of billbugs on corn in South Carolina. Journal of Economic Entomology 49(2):233-236. April 1956.
7086. _____ Preplanting treatment for billbug control on corn. Journal of Economic Entomology 50(6):707-709. Dec. 1957.
Calendra maidis
7087. KNOWLTON, GEORGE F. Nitidulidae in corn. Journal of Economic Entomology 35(1):105. Feb. 1942.
7088. _____ & HOUCK, B. B. A nitidulid beetle infesting sweet corn. Journal of Economic Entomology 41(6):990-991. Dec. 1948.

7089. KULASH, WALTER M. Further tests with soil insecticides to control southern corn rootworm. Journal of Economic Entomology 42(3):558-559. June 1949.
7090. _____ Growers trials for control of wireworms attacking corn. Journal of Economic Entomology 47(5):863-866. Oct. 1954.
7091. _____ Wireworm ... enemy of row crops. North Carolina Research and Farming 7(2):4-5. Oct. 1948.
7092. _____ & MONROE, ROBERT J. Field tests for control of wireworms attacking corn. Journal of Economic Entomology 48(1):11-19. Feb. 1955.
Melanotus communis (Gyll.)
7093. KYLE, C. H. How to reduce weevil waste in southern corn. U. S. Department of Agriculture Farmers' Bulletin 915. 1918. 7 p.
7094. LA HUE, W., WOMACK, HERBERT & CLEMENTS, B. W. Treatments for the protection of stored southern-grown corn from rice weevil attack --- exploratory tests. U. S. Department of Agriculture Marketing Research Report no. 272. 1958. 20 p.
Sitophilus oryzae.
7095. LANGFORD, GEORGE S., CROSTHWAIT, S. L. & WHITTINGTON, F. B. A review of cooperative Japanese beetle retardation work in Maryland. Journal of Economic Entomology 32(2):255-259. April 1939.
7096. _____, ROTHGER, R. G. & CORY, ERNEST N. Relation of planting dates of corn and Japanese beetle injury. Journal of Economic Entomology 37(2):253-257. April 1944.
7097. LEPELLEY, R. Observations on the chafer grub - a serious pest of wheat, maize, flax and other crops in Kenya. East African Agricultural Journal 17(2):69-79. Oct. 1951.
7098. LILLY, J. H. Insecticidal control of the corn rootworm in 1953. Journal of Economic Entomology 47(4):651-658. Aug. 1954.
7099. _____ & GUNDERSON, HAROLD. Fighting the corn rootworm. Iowa Farm Science 6(8):18-19. Feb. 1952.
7100. _____ & GUNDERSON, HAROLD. Insecticides ... for soil insects. Iowa Farm Science 7(9):15-17. Mar. 1953.

7101. LIPKE, H. & FRAENKEL, G. The toxicity of corn germ to the meal worm, Tenebrio molitor. Journal of Nutrition 55(1):165-178. Jan. 10, 1955.
7102. LUGINBILL, PHILIP. The southern corn rootworm and farm practices to control it. U. S. Department of Agriculture Farmers' Bulletin no. 950, rev. 1940. 10 p.
Diabrotica duodecimpunctata.
7103. MELHUS, IRVING E., PAINTER, REGINALD H. & SMITH, FRANK O. A search for resistance to the injury caused by species of Diabrotica in the corns of Guatemala. Iowa State College. Journal of Science 29(1):75-94. Aug. 1954.
7104. MENDES, LUIZ O. T. Sobre a ocorrência de Palorus subdepressus Woll. no Brasil. Bragantia 13(nota no. 8):xxi-xxii. Set. 1954.
Summary in English.
7105. MUGGERIDGE, J. A maize and strawberry pest (Clivina rugithorax Putz.). New Zealand Department of Scientific and Industrial Research, Entomology Division Bulletin no. 5:183A-186A. 1939.
7106. MUMA, MARTIN H., HILL, ROSCOE E. & HIXSON, E. Soil treatments for corn rootworm control. Journal of Economic Entomology 42(5): 822-824. Oct. 1949.
7107. NAVY'S South Pacific war secret gives new hope for Jap beetle control. Agricultural Leaders' Digest 27(9):12-13. Oct. 1946.
7108. NETTLES, W. C. Effects of substitute crops and rotations on wireworm control. Journal of Economic Entomology 33(4):644-646. Aug. 1940.
7109. NORTH CAROLINA AGRICULTURAL EXPERIMENT STATION. Soil treatments prove effective on wireworms. Research & Farming Progress Report 6(3):10. April 1948. (70th annual report, 1947).
7110. OSBORN, HERBERT. The corn root worm (Diabrotica longicornis). Iowa Agricultural College, Department of Entomology Bulletin no. 2: 61-69. 1884.
7111. _____ Some suggestions concerning the corn root worm (Diabrotica longicornis), Say. Iowa Agricultural Experiment Station Bulletin no. 4:137-140. 1889.

7112. PETHERBRIDGE, F. R. Note on attacks of Phyllotreta vittula on spring corn. Annals of Applied Biology 3(2-3):138-139. Jan. 1917.
7113. PHILLIPS, W. J. & FOX, HENRY. The rough-headed corn stalk-beetle in the Southern States and its control. U. S. Department of Agriculture Farmers' Bulletin 875. 1917, 12 p.
Euetheola rugiceps.
7114. _____ & FOX, HENRY. The rough-headed corn stalk-beetle. U. S. Department of Agriculture Department Bulletin no. 1267. 1924. 34 p.
Euetheola rugiceps.
7115. POOS, F. W. DDT to control corn flea beetle on sweet corn and potato leafhopper on alfalfa and peanuts. Journal of Economic Entomology 38(2):197-199. April 1945.
7116. _____ Host plants harboring Aplanobacter stewarti without showing external symptoms after inoculation by Chaetocnema pulicaria. Journal of Economic Entomology 32(6):881-882. Dec. 1939.
7117. _____ & ELLIOTT, CHARLOTTE. Certain insect vectors of Aplanobacter stewarti. Journal of Agricultural Research 52(8):585-608. April 15, 1936.
7118. POPENOE, E. A. Grain weevils. Kansas Agricultural Experiment Station Bulletin no. 119:46-47. 1903.
7119. POSADA OCHOA, LAZARO. Efectividad de cuatro insecticidas en la proteccion de granos de maiz almacenado contra los "gorgojos" (Sitophilus oryzae L.). Acta Agronomica (Colombia) 5(1):29-50. Enero 1955.
- * 7120. RICHARDSON, CHARLES H. Fumigants for the cadelle in shelled corn. Journal of Economic Entomology 38(4):478-481. Aug. 1945.
7121. RIHERD, PAUL T. DDT and benzene hexachloride to control southern corn rootworm. Journal of Economic Entomology 42(6):992-993. Dec. 1949.
7122. ROBERTS, R. A. White-fringed beetle. In U. S. Department of Agriculture. Insects, the yearbook of agriculture, 1952. Washington, D. C., U. S. Government Printing Office, 1952. pp. 608-611.

7123. RUTSCHKY, CHARLES W. Ear fertilization and Japanese beetle damage in sweet corn. *Journal of Economic Entomology* 52(3):475-477. June 1959.
Popillia japonica (Newm.)
7124. SCHWARDT, H. H. Borax as an insecticide for protecting seed. *Journal of Economic Entomology* 23(2):401-404. April 1930.
7125. SCOTT, L. B. Unusual occurrence of the corn rootworm in Tennessee. *Journal of Economic Entomology* 39(3):402. June 1946.
7126. SIVIK, FRANK P. & KULASH, WALTER M. Treated cloth bags to control the rice weevil in corn. *Journal of Economic Entomology* 49(1):64-65. Feb. 1956.
7127. SOIL insect control in the Corn Belt. *Agricultural Chemicals* 8(12):45-48. Dec. 1953.
Corn rootworms.
7128. THE SOUTHERN corn rootworm; how to control it. U. S. Department of Agriculture Leaflet no. 391. 1955. 7 p.
7129. STRAUSS, ANGEL R. "El juijuao" (Euetheola bidentatus Burm), plaga del arroz y del maiz. *Agricultor Venezolano* 15(143):6. Junio 1950.
7130. SUMMERS, THOMAS E. A comparison of corn rootworms and Pythium graminicola as corn root pathogens. (Abstract) *Phytopathology* 40(1):27. Jan. 1950.
7131. _____ Destruction of maize roots by Pythium graminicola Subr. and Diabrotica undecimpunctata Howard Barber. (Abstract) Iowa State College. *Journal of Science* 26(2):294-295. Jan. 1952.
7132. TATE, H. DOUGLAS & BARE, O. S. Corn rootworms. *Nebraska Agricultural Experiment Station Bulletin* 381. 1946. 12 p.
7133. TEST carry-over of rootworm insecticides. *Iowa Farm Science* 10(1):13-14. July 1955.
7134. THOMAS, C. A. A review of research on the control of wireworms. *Pennsylvania Agricultural Experiment Station Bulletin* 259. 1930. 52 p.

7135. THOMAS, W. A. Corn and cotton wire worm (Horistonotus curiatus Say.).
South Carolina Agricultural Experiment Station Bulletin 155.
1911. 10 p.
7136. ————— The southern corn-root worm in South Carolina (Diabrotica 12-punctata, Oliv.). South Carolina Agricultural Experiment Station Bulletin no. 161. 1912. 6 p. (Cover title "The bud-worm of corn")
7137. TRAVIS, BERNARD V. Habits of the June beetle, Phyllophaga lanceolata (Say) in Iowa. Journal of Economic Entomology 32(5):690-693. Oct. 1939.
7138. TURNER, W. F. Budworms in corn (Diabrotica 12-punctata (Oliv.)). Alabama Agricultural Experiment Station Circular no. 8. 1911. 7 p.
7139. USE INSECTICIDES to control corn wireworms. Iowa Farm Science 9(2):17. Aug. 1954.
7140. VAN LEEUWEN, E. R. An experimental corn duster. Journal of Economic Entomology 25(5):1108-1110. Oct. 1932.
Control of the Japanese beetle.
7141. VEITCH, ROBERT. Rice weevil in maize. Queensland Agricultural Journal 42(3):328-331. Sept. 1934.
7142. VIALE, EMILIO & ROSADO, HUMBERTO. Control of cornroot chrysomelids. Turrialba 1(2):91-92. Oct. 1950.
Aparece traducido bajo el titulo "Control de los gusanos (Chrysomelidae) de las raíces del maíz", en: Agricultura y Trabajo (Nicaragua) 1(6):10. Abril 1951.
7143. WEBSTER, F. M. The southern corn rootworm, or budworm. U. S. Department of Agriculture Bulletin no. 5. 1913. 11 p.
Diabrotica duodecimpunctata and Diabrotica longicornis.
7144. ————— The western corn rootworm. U. S. Department of Agriculture Bulletin no. 8. 1913. 8 p.
Diabrotica duodecimpunctata and Diabrotica longicornis.
7145. WHITCOMB, WILLARD H. For controlling corn pests ... soil insecticide treatments. Arkansas Agricultural Experiment Station Farm Research 6(1):11. Spring 1957.
Sugarcane beetle, wireworms and southern corn rootworm.

7146. WILDERMUTH, V. L. The desert corn flea-beetle. U. S. Department of Agriculture Bulletin no. 436. 1917. 23 p.
Chaetocnema ectypa.
7147. WOODLE, H. A. & NETTLES, W. C. Abonos, insecticidas para los maizales. Hacienda 46(1):44-45. Enero 1951.
7148. WOODSIDE, A. M. Japanese beetle damage to corn as influenced by silking date. Journal of Economic Entomology 47(2):349-352. April 1954.
7149. YOUNG, H. D. Effect of various fumigants on the germination of seeds. Journal of Agricultural Research 39(12):925-927. Dec. 15, 1929.
Corn, pp. 926-927.

Diptera

7150. APP, BERNARD A. Euxesta stigmatias Loew, an ottid fly infesting ear corn in Puerto Rico. Puerto Rico. University. Journal of Agriculture 22(2):181-187. April 1938.
7151. BARBER, GEORGE W. Injury to sweet corn by the Euxesta stigmatias Loew in southern Florida. Journal of Economic Entomology 32(6):879-880. Dec. 1939.
7152. FROST, M. H., ANDERSON, L. D. & ELMORE, J. C. Effect of certain insecticides and fungicides on plant emergence and control of the seed-corn maggot. Journal of Economic Entomology 47(6):1040-1045. Dec. 1954.
Hylemya cilicrura (Rond.)
7153. GOODLIFFE, F. D. Studies on insects bred from barley, wheat, maize and oats. Bulletin of Entomological Research 32(4):309-325. Feb. 1942.
Chloropids on corn.
7154. HASKELL, GORDON. Studies with sweet corn; the frit fly problem. Bulletin of Entomological Research 42(3):519-526. Nov. 1951.
Oscinella frit L.

7155. HAYSLIP, NORMAN C. Corn-silk fly control on sweet corn. Florida Agricultural Experiment Station Circular S-41. 1951. 6 p.
Euxesta stigmatias
7156. HOFMASTER, R. N. & NUGENT, T. J. Insecticide-fungicide seed treatments for control of seed-corn maggot and seed decay organisms. Virginia Truck Experiment Station Bulletin 116. 1956. 31 p.
7157. HOWE, WAYNE L. & SCHROEDER, W. T. New method combines fungicide-herbicide for seed-corn maggot control. Farm Chemicals 114(2):20-22, 42. Feb. 1951.
7158. HUFF, CLAY G. Nutritional studies on the seed-corn maggot, Hylemyia cilicrura Rondani. Journal of Agricultural Research 36(7):625-630. April 1, 1928.
7159. LANGE, W. H., CARLSON, E. C. & CORRIN, W. R. Seed treatments for control of the seed-corn maggot in northern California. Journal of Economic Entomology 44(2):202-208. April 1951.
7160. LUGINBILL, PHILIP & URBAHNS, T. D. The spike-horned leaf-miner, an enemy of grains and grasses. U. S. Department of Agriculture Bulletin no. 432. 1916. 20 p.
Cerodonta dorsalis
7161. MELHUS, IRVING E. & HARRIS, HALBERT M. A new insect pest of maize in Central America. Iowa Agricultural Experiment Station Research Bulletin 371:603-611. 1949.
Publicado en espanol con el titulo "Nueva plaga insectil del maiz en C. America", en: Hacienda 43(6):48-49, 58. Junio 1948.
7162. PHILLIPS, W. J. Corn-leaf blotch miner. Journal of Agricultural Research 2(1):15-32. April 11, 1914.
Agromyza parvicornis Loew.
7163. REDDY, D. B. Pseudonapomyza atra on maize leaves. Current Science 25(5):160. May 1956.
7164. REID, W. J. Biology of the seed-corn maggot in the Coastal Plain of the south Atlantic states. U. S. Department of Agriculture Technical Bulletin no. 723. 1940. 43 p.
Hylemya cilicrura (Rond.)
7165. STARKS, K. J. & LILLY, J. H. Insecticide seed treatment of soybeans in relation to phototoxicity and seed-corn maggot control. Journal of Economic Entomology 48(5):538-543. Oct. 1955.

7166. STONE, M. M. Sugar-beet wireworm predaceous on seed-corn maggot. *Journal of Economic Entomology* 46(6):1100. Dec. 1953.
7167. STRONG, F. E. & APPLE, J. W. Studies on the thermal constants and seasonal occurrence of the seed-corn maggot in Wisconsin. *Journal of Economic Entomology* 51(5):704-707. Oct. 1958.
Hylemya cilicrura
7168. WALTER, E. V. & WENE, GEORGE P. Tests of insecticides to control larvae of Euxesta stigmatias and Megaselia scalaris. *Journal of Economic Entomology* 44(6):998-999. Dec. 1951.

Hemiptera

7169. BIGGER, JOHN H. & PETTY, H. B. New control for chinch bugs. *Illinois College of Agriculture Extension Service Circular* 707. 1953. 4 p.
7170. CLOWER, DAN F. Damage to corn by the southern green stink bug. *Journal of Economic Entomology* 51(4):471-473. Aug. 1958.
Nezara viridula (L.)
7171. DAHMS, R. G. Number of short-winged chinch bugs produced under laboratory conditions. *Journal of Economic Entomology* 30(5):803-804. Oct. 1937.
7172. _____ Oviposition and longevity of chinch bugs on seedlings growing in nutrient solutions. *Journal of Economic Entomology* 40(6):841-845. Dec. 1947.
7173. _____, SNELLING, R. O. & FENTON, F. A. Effect of several varieties of sorghum and other host plants on biology of the chinch bug. *Journal of Economic Entomology* 29(6):1147-1153. Dec. 1936.
7174. DEAN, GEORGE A. & MCCOLLOCH, J. W. Burn the chinch bug in winter quarters. *Kansas Agricultural Experiment Station Circular no. 32.* 1914. 7 p.
7175. _____ & MCCOLLOCH, J. W. The chinch-bug situation in Kansas. *Kansas Agricultural Experiment Station Circular no. 29.* 1913? 6 p.

7176. DECKER, GEORGE C. Substitutes for creosote in chinch bug barrier construction. *Journal of Economic Entomology* 37(2): 303-305. April 1944.
7177. _____ Toxic-dust barriers for chinch bug control. *Journal of Economic Entomology* 36(5): 658-661. Oct. 1943.
7178. _____ & ANDRE, FLOYD. Winter mortality of chinch bugs in Iowa. *Journal of Economic Entomology* 30(6): 927-934. Dec. 1937.
7179. _____, BIGGER, J. H. & WEINMAN, C. J. Spraying the margins of fields as a substitute for barrier construction in chinch bug control. *Journal of Economic Entomology* 46(2): 316-320. April 1953.
7180. DRAKE, CARL J. & DECKER, G. C. The chinch bug situation in Iowa. *Journal of Economic Entomology* 29(4): 781-785. Aug. 1936.
7181. FLINT, WESLEY, P. Burn the chinch-bug. *Illinois Agricultural Experiment Station Circular no. 265.* 1922. 4 p.
7182. _____ The chinch bug. *Journal of Economic Entomology* 28(2): 333-341. April 1935.
7183. _____ Chinch-bug barriers. *Illinois Agricultural Experiment Station Circular no. 270.* 1923. 8 p.
7184. _____ & BALDUF, W. V. Calcium cyanide for chinch-bug control. *Illinois Agricultural Experiment Station Bulletin no. 249: 71-84.* 1924.
7185. _____ & HACKLEMAN, J. C. Corn varieties for chinch-bug infested areas. *Illinois Agricultural Experiment Station Bulletin no. 243: 539-550.* 1923.
7186. _____ & LARRIMER, W. H. The chinch bug and how to fight it. *U. S. Department of Agriculture Farmers' Bulletin 1498, rev.* 1934. 16 p.
7187. _____, DUNGAN, G. H. & BIGGER, J. H. Fighting the chinch bug on Illinois farms. *Illinois Agricultural Experiment Station Circular 431, rev.* 1937. 16 p.
7188. _____, FARRAR, M. D. & McCUALEY, W. E. Chinch bug barriers and repellents. *Journal of Economic Entomology* 28(2): 410-414. April 1935.

7189. FORBES, STEPHEN A. The chinch-bug outbreak of 1910 to 1915. Illinois Agricultural Experiment Station Circular no. 189. 1916. 59 p.
7190. GANNON, NORMAN & DECKER, GEORGE C. Field evaluation of sprays for chinch bug control. Journal of Economic Entomology 48(3):242-245. June 1955.
7191. _____ & DECKER, GEORGE C. Insecticide tests against the chinch bug in the laboratory. Journal of Economic Entomology 48(3):240-242. June 1955.
Blissus leucopterus (Say)
7192. GOSSARD, H. A. The chinch bug. Ohio Agricultural Experiment Station Circular no. 115:1-14. 1911.
7193. _____ Watch for chinch bugs; method of constructing dust and tar barriers in farm fields. Ohio Agricultural Experiment Station Monthly Bulletin 5(6):178-179. June 1920.
7194. HASEMAN, LEONARD. The chinch-bug and its control. Missouri Agricultural Experiment Station Circular no. 62:211-214. 1913.
7195. _____ Controlling the chinch-bug. Missouri College of Agriculture Extension Service Circular 4. 1915. 4 p.
7196. HEADLEE, T. J. Burn the chinch bug in winter quarters. Kansas Agricultural Experiment Station Circular no. 19. 1911? 8 p.
7197. _____ Burning the chinch bugs. Kansas Agricultural Experiment Station Circular no. 16. 1910. 7 p.
7198. _____ & McCOLLOCH, JAMES WALKER. The chinch bug (Blissus leucopterus Say.). Kansas Agricultural Experiment Station Bulletin no. 191:283-353. 1913.
7199. HIXSON, EPHRIAM & SOOTER, C. A. Freezing temperatures of the chinch bug, Blissus leucopterus Say. Journal of Economic Entomology 29(2):465-466. April 1936.
7200. HOLBERT, JAMES R., FLINT, W. P. & BIGGER, J. H. Chinch bug resistance in corn - an inherited character. Journal of Economic Entomology 27(1):121-124. Feb. 1934.

7201. HOLBERT, JAMES R. & OTHERS. Resistance and susceptibility of corn strains to second brood chinch bugs. In Iowa State College. Symposia commemorating six decades of the modern era in botanical science, November 15 and 16, 1934. Ames, 1935. pp. 199-212. (Reprinted from Iowa State College. Journal of Science, vol. 9, 1935)
7202. HUBER, L. L. & HOUSER, J. S. A comparison of certain materials used as chinch bug barriers. Journal of Economic Entomology 28(2):414-416. April 1935.
7203. HUTSON, RAY. Habits and control of chinch bugs. Michigan Agricultural Experiment Station Quarterly Bulletin 17(3): 147-149. Feb. 1935.
7204. LUGGER, OTTO. The chinch-bug. Minnesota Agricultural Experiment Station Bulletin no. 37:153-182. 1895.
7205. LUGINBILL, PHILIP & BENTON, CURTIS. DDT to control the chinch bug. Journal of Economic Entomology 38(2):283. April 1945.
7206. McCOLLOCH, J. W. Chinch bug barriers for Kansas conditions. Kansas Agricultural Experiment Station Circular 113. 1925. 6 p.
7207. _____ Summer control of the chinch bug. Kansas Agricultural Experiment Station Circular 87. 1921. 8 p.
7208. PAINTER, REGINALD H., SNELLING, RALPH O. & BRUNSON, ARTHUR M. Hybrid vigor and other factors in relation to chinch bug resistance in corn. Journal of Economic Entomology 28(6):1025-1030. Dec. 1935.
7209. PARKER, J. B. Chinch bug. Kansas Agricultural Experiment Station Circular no. 5. 1909. 6 p.
7210. PARKS, T. H. Fall practices to destroy cereal crop insects; large wheat losses may come from chinch bugs. Ohio Agricultural Experiment Station Monthly Bulletin 3(11): 333-336. Nov. 1918.
7211. PETTIT, R. H. The chinch bug. Michigan Agricultural Experiment Station Circular Bulletin no. 51. 1922. 2 p.
7212. RICHARDSON, CHARLES H., DEONIER, CHRISTIAN C. & SIMANTON, WILLIAM A. The toxicity of certain insecticides to the chinch bug. Journal of Agricultural Research 54(1):59-78. Jan. 1, 1937.

7213. SEVERIN, H. C. The chinch bug. South Dakota Agricultural Experiment Station Bulletin 202:561-576. 1923.
7214. SNELLING, RALPH O. Third generation and method of migration of chinch bug in southwestern Oklahoma. Journal of Economic Entomology 29(4):797-803. Aug. 1936.
7215. _____ & DAHMS, REYNOLD G. Resistant varieties of sorghums and corn in relation to chinch bug control in Oklahoma. Oklahoma Agricultural Experiment Station Bulletin no. 232, rev. 1940. 18 p.
7216. STEDMAN, J. M. The chinch bug, Blissus leucopterus, Say. Missouri Agricultural Experiment Station Bulletin no. 51:115-142. 1902.
7217. SWENK, M. H. The chinch bug and its control. Nebraska Agricultural Experiment Station Circular 28. 1925. 34 p.
Blissus leucopterus
7218. VIALE, EMILIO & ROSADO E., HUMBERTO. Chinche de la raiz del maiz (Cyrtomenus sp.). Turrialba 1(2):93-94. Oct.-Dic. 1950.
7219. WAKELAND, CLAUDE. The chinch bug. In U. S. Department of Agriculture. Insects, the yearbook of agriculture, 1952. Washington, D. C., U. S. Government Printing Office, 1952. pp. 611-614.
7220. WALTON, R. R. Chinch bug dust barrier: preliminary tests. Journal of Economic Entomology 38(6):713-714. Dec. 1945.
7221. WHITTINGTON, F. B. & HUBER, L. L. Study of the chinch bug populations in Ohio. Journal of Economic Entomology 29(4):684-686. Aug. 1936.
7222. WORTHINGTON, A. D. & DECKER, G. C. Fighting chinch bugs in Iowa. Journal of Economic Entomology 29(4):760-764. Aug. 1936.

Homoptera

7223. BARBER, GEORGE W. Injury to leaves of sweet corn by the leaf-hopper Dikraneura carneola (Stal). Journal of Economic Entomology 36(1):123. Feb. 1943.

7224. BARNES, DOUGLAS. Biologia, ecologia y distribucion de las chicharritas, Dalbulus elimatus (Ball) y Dalbulus maidis (De L. & W.). Mexico, Secretaria de Agricultura y Ganaderia, Oficina de Estudios Especiales, Folleto Tecnico no. 11. 1954. 112 p.
English summary.
7225. BEARD, RAIMON L. The susceptibility of maize to the corn leaf aphid. Journal of Economic Entomology 44(6):1024-1025. Dec. 1951.
7226. BIGGER, JOHN H. & BAUER, F. C. Plowing dates as they affected the abundance of corn root aphids at Clayton, Illinois, 1929-1932. American Society of Agronomy. Journal 31(8):695-697. Aug. 1939.
7227. CARTIER, JEAN JACQUES. On the biology of the corn leaf aphid. Journal of Economic Entomology 50(1):110-112. Feb. 1957.
7228. _____ & PAINTER, REGINALD H. Differential reactions of two biotypes of the corn leaf aphid to resistant and susceptible varieties, hybrids and selections of sorghums. Journal of Economic Entomology 49(4):498-508. Aug. 1956.
7229. CELINO, M. S. & MARTINEZ, AUREO L. Mechanical transmission of a mosaic virus from abaca to corn. Philippine Agriculturist 39(7):377-387. Dec. 1955.
Transmission of abaca mosaic to corn by Aphis maidis.
7230. CERVANTES, JAVIER & RODRIGUEZ, ANTONIO. El achaparramiento del maiz. En Asamblea Latinoamericana de Fitoparasitologia, 1a, Mexico, D. F., 1950. Trabajos presentados. Mexico, Secretaria de Agricultura y Ganaderia, Oficina de Estudios Especiales, Folleto Miscelaneo no. 4. 1951. pp. 34-39.
Enfermedad causada por un virus que es transmitido por las "chicharritas" Baldulus elimatus (Ball) y Baldulus maidis (De L. y W.)
7231. _____, RODRIGUEZ, ANTONIO & NIEDERHAUSER, JOHN S. Resistencia al virus causante del achaparramiento del maiz. Mexico, Secretaria de Agricultura y Ganaderia, Oficina de Estudios Especiales, Folleto Tecnico no. 29. 1958. 18 p.
Summary in English.
7232. CHINA, W. E. A new genus and species of Jassidae injurious to maize in Kenya Colony, Africa. Bulletin of Entomological Research 17(1):43. July 1926.
7233. _____ A new species of Cicadulina, China (Homoptera, Jassidae) injurious to maize in Tanganyika Territory. Bulletin of Entomological Research 27(2):251-252. July 1936.

7234. DAVIS, JOHN J. The corn root aphid and methods of controlling it. U. S. Department of Agriculture Farmers' Bulletin no. 891, rev. 1949. 7 p.
7235. FORBES, STEPHEN A. The corn root-aphis in Illinois. Illinois Agricultural Experiment Station Circular. Jan. 9, 1913. 7 p.
7236. Experiments with repellents against the corn root-aphis, 1905 and 1906. Illinois Agricultural Experiment Station Bulletin no. 130:1-28. 1908.
7237. Recent Illinois work on the corn root-aphis and the control of its injuries. Illinois Agricultural Experiment Station Bulletin no. 178:403-466. 1915.
7238. HABER, E. S. & GAESLER, W. G. Sugar content of sweet corn pollen and kernels of inbred and hybrid strains susceptible to tassel infestation by aphis. American Society for Horticultural Science. Proceedings 40:429-431. 1942.
7239. HERNANDEZ O., JOSE. Biología del Baldulus elimatus (Ball). En Asamblea Latinoamericana de Fitoparasitología, 1a, Mexico, D. F., 1950. Trabajos presentados. Mexico, Secretaría de Agricultura y Ganadería, Oficina de Estudios Especiales, Folleto Misceláneo no. 4. 1951. pp. 41-42.
7240. HILDEBRAND, E. M. Baldulus maidis, leafhopper vector of corn stunt virus, in Texas. (Abstract) Phytopathology 39(6): 496-497. June 1949.
7241. The generation time of the leafhopper Baldulus maidis in Texas. Plant Disease Reporter 38(8):572-573. Aug. 15, 1954.
7242. HUBER, L. L. & STRINGFIELD, G. H. Aphid infestation of strains of corn as an index of their susceptibility to corn borer attack. Journal of Agricultural Research 64(5):283-291. Mar. 1, 1942.
7243. LAWAS, ORENCO M. & FERNANDEZ, WILLIAM L. A study of the transmission of the corn mosaic and of some of the physical properties of its virus. Philippine Agriculturist 32(3): 231-238. Jan.-Mar. 1949.
7244. MARAMOROSCH, KARL. Cross-protection studies of two types of corn stunt virus. (Abstract) Phytopathology 47(1):23. Jan. 1957.
Vector Dalbulus maidis

7245. MARAMOROSCH, KARL. Inability of aster-yellows and corn-stunt viruses to multiply in each other's vectors. (Abstract) *Phytopathology* 42(2):113. Feb. 1952.
7246. _____ Mechanical transmission of corn stunt virus to an insect vector. *Phytopathology* 41(9):833-838. Sept. 1951.
Dalbulus maidis as a vector.
7247. _____ The occurrence of two distinct types of corn stunt in Mexico. *Plant Disease Reporter* 39(12):896-898. Dec. 15, 1955.
Transmitted by the leaf-hopper vector Dalbulus maidis.
7248. _____ Studies on the nature of the specific transmission of aster-yellows and corn-stunt viruses. *Phytopathology* 42(12):663-668. Dec. 1952.
7249. _____ Two distinct types of corn stunt disease in Mexico. (Abstract) *Phytopathology* 46(4):241. April 1956.
Rio Grande type and the Mesa Central type transmitted by Dalbulus maidis.
7250. NIEDERHAUSER, JOHN S. & CERVANTES, JAVIER. Transmission of corn stunt in Mexico by a new insect vector, Baldulus elimatus. (Abstract) *Phytopathology* 40(1):20-21. Jan. 1950.
7251. QUAINTANCE, A. L. Three injurious insects: bean leaf-roller, corn delphax, canna leaf-roller. *Florida Agricultural Experiment Station Bulletin* no. 45:49-74. 1898.
Delphax maidis.
7252. RODRIGUEZ, ANTONIO & CERVANTES, JAVIER. Efecto de la fecha de inoculacion en los sintomas del achaparramiento del maiz. En Asamblea Latinoamericana de Fitoparasitologia, 1a, Mexico, D. F., 1950. Trabajos presentados. Mexico, Secretaria de Agricultura y Ganaderia, Oficina de Estudios Especiales, Folleto Miscelaneo no. 4. 1951. pp. 39-41.
Baldulus elimatus (Ball)
7253. SNELLING, RALPH O., BLANCHARD, RALPH A. & BIGGER, JOHN H. Resistance of corn strains to the leaf aphid, Aphis maidis Fitch. *American Society of Agronomy. Journal* 32(5):371-381. May 1940.
7254. STONER, WARREN N. Leaf fleck, an aphid-borne persistent virus disease of maize. *Phytopathology* 42(12):683-689. Dec. 1952.
Corium zaeae

7255. STOREY, H. H. The filtration of the virus of streak disease of maize. Annals of Applied Biology 19(1):1-5. Feb. 1932.
7256. _____ Insect transmission of maize streak virus. Tropical Agriculture (Trinidad) 16(2):45. Feb. 1939.
Vector Cicadulina mbila.
7257. _____ A new virus of maize transmitted by Cicadulina spp. Annals of Applied Biology 24(1):87-94. Feb. 1937.
7258. _____ & McLEAN, A. P. D. The transmission of streak disease between maize, sugar cane and wild grasses. Annals of Applied Biology 17(4):691-719. Nov. 1930.
7259. TRIPLEHORN, C. A. Corn is plagued by leaf aphid. Ohio Farm and Home Research 44(316):7-8. Jan.-Feb. 1959.
7260. VERMA, JIT SINGH. Comparative toxicity of some insecticides to Peregrinus maidis (Ashm.) and its egg-predator. Journal of Economic Entomology 48(2):205-206. April 1955.
7261. VIRUS diseases of crops in East Africa. World Crops 3(10):385-386. Oct. 1951.
7262. WALKER, M. N. & STAHL, C. F. Consideraciones acerca de algunas hierbas susceptibles a la enfermedad del mosaico y hospederas del pulgon del maiz en relacion con su presencia en Cuba. Tropical Plant Research Foundation, Boletin no. 5. 1927. 17 p.
7263. WALTER, E. V. & BRUNSON, ARTHUR M. Differential susceptibility of corn hybrids to Aphis maidis. Journal of Economic Entomology 33(4):623-628. Aug. 1940.
7264. _____ & BRUNSON, ARTHUR M. Selection for aphid resistance within inbred lines of maize. American Society of Agronomy. Journal 38(11):974-977. Nov. 1946.
7265. WEED, CLARENCE M. Sixth contribution to a knowledge of the life history of certain little-known Aphidae: the corn root aphid (Aphis maidis(?) Fitch.). Illinois State Laboratory of Natural History Bulletin 3:207-214. n. d.
7266. WELLMAN, FREDERICK L. Dissemination of southern celery-mosaic virus on vegetable crops in Florida. Phytopathology 25(3):289-308. Mar. 1935.
Aphid vector

7267. WILDERMUTH, V. L. & WALTER, E. V. Biology and control of the corn leaf aphid with special reference to the south-western states. U. S. Department of Agriculture Technical Bulletin no. 306. 1932. 21 p.
Aphis maidis (Fitch)

Hymenoptera

7268. FORBES, STEPHEN A. Habits and behavior of the corn-field ant, Lasius niger americanus. Illinois Agricultural Experiment Station Bulletin no. 131:29-45. 1908.
7269. SMITH, H. D. Phaeogenes nigridens Wesmael, an important ichneumonid parasite of the pupa of the European corn borer. U. S. Department of Agriculture Technical Bulletin no. 331. 1932. 45 p.
7270. VANCE, ARLO M. Apanteles thompsoni Lyle, a braconid parasite of the European corn borer. U. S. Department of Agriculture Technical Bulletin no. 233. 1931. 28 p.

Lepidoptera

7271. ADAMS, JAMES F. & MANNS, T. F. The corn ear worm and kernel rot of corn. Phytopathology 12(1):25-26. Jan. 1922.
7272. AINSLIE, GEORGE G. The larger corn stalk-borer. U. S. Department of Agriculture Farmers' Bulletin 1025. 1925. 11 p.
7273. _____ Silver-striped webworm, Crambus praefectellus Zincken. Journal of Agricultural Research 24(5):415-426. May 5, 1923.

7274. AINSLIE, GEORGE G. Striped sod webworm, Crambus mutabilis Clemens. Journal of Agricultural Research 24(5):399-414. May 5, 1923.
7275. ANDERSON, LAUREN D. & GUNTHER, F. A. Sampling techniques for determination of DDT residue on sweet corn. Journal of Economic Entomology 44(6):1008-1010. Dec. 1951.
7276. _____ & HASHE, JAMES W. Control of corn earworm on sweet corn in southern California. Journal of Economic Entomology 42(6):933-941. Dec. 1949.
7277. _____ & OTHERS. Corn earworm control on sweet corn; DDT leads list of effective insecticides with methods of application as dust or spray important factors. California Agriculture 6(4):8-9, 15. April 1952.
7278. _____ & OTHERS. Investigations of corn earworm control on sweet corn in California in 1950. Journal of Economic Entomology 44(6):966-971. Dec. 1951.
7279. _____ & OTHERS. Studies on control of corn earworm on sweet corn in southern California in 1949. Journal of Economic Entomology 44(6):905-909. Dec. 1951.
7280. ANGLADE, P. Essais de lutte chimique contre la noctuelle des moissons, Euxoa segetum Schiff nuisible du maïs dans le Sud-Ouest. France, Academie d'Agriculture. Comptes Rendus Hebdomadaires des Seances 40(13):525-528. Juin 23, 30, 1954.
7281. _____ Influence de l'enfouissement des tiges de maïs sur l'hivernation et la survie des chenilles endophytes (Pyrausta nubilalis Hubn. et Sesamia nonagrioides Lef.). France. Institut National de la Recherche Agronomique. Serie C. Annales des Ephyties 9(3):371-385. Juli-Sept. 1958.
7282. APPLE, J. W. Corn borer development and control on canning corn in relation to temperature accumulation. Journal of Economic Entomology 45(5):877-879. Oct. 1952.
7283. _____ & DECKER, G. C. Corn borer control on sweet corn with concentrated sprays. Journal of Economic Entomology 43(4):407-414. Aug. 1950.
7284. _____ & DECKER, G. C. Insecticidal dust formulations for corn borer control. Journal of Economic Entomology 42(1):88-92. Feb. 1949.

7285. ARBUTHNOT, K. D. Endrin and ryania for control of sugarcane borer in corn. Journal of Economic Entomology 51(4): 562-563. Aug. 1958.
Diatraea saccharalis (F.)
7286. _____ European corn borer parasite complex near East Hartford, Connecticut. Journal of Economic Entomology 48(1):91-93. Feb. 1955.
7287. _____ Status of European corn borer parasites in the United States. Journal of Economic Entomology 43(4): 422-426. Aug. 1950.
7288. _____ Temperature and precipitation in relation to the number of generations of European corn borer in the United States. U. S. Department of Agriculture Technical Bulletin no. 987. 1949. 22 p.
Pyrausta nubilalis (Hbn.).
7289. _____ & WALTON, R. R. Insecticides for control of the southwestern corn borer. Journal of Economic Entomology 47(4):707-708. Aug. 1954.
7290. _____, WALTON, R. R. & BROOKS, J. S. Reduction of corn yield by first-generation southwestern corn borers. Journal of Economic Entomology 51(6):747-749. Dec. 1958.
Zeadiatraea grandiosella Dyar.
7291. ARNOLD, C. R. The effect of the corn borer on farm organization in the Corn Belt. Journal of Farm Economics 10(2):197-210. April 1928.
7292. ASHBY, WALLACE. Corn-borer control much facilitated by deep, clean plowing. In U. S. Department of Agriculture. What's new in agriculture, the yearbook of agriculture, 1930. Washington, D. C., U. S. Government Printing Office, 1930. pp. 178-182.
7293. AULTMAN, DAN A. Earworm control methods studied on sweet corn. Mississippi Farm Research 22(5):3. May 1959.
7294. _____ Progress toward earworm control. Mississippi Farm Research 21(11):1. Nov. 1958.
7295. BABCOCK, K. W. & VANCE, A. M. The corn borer in Central Europe; a review of investigations from 1924 to 1927. U. S. Department of Agriculture Technical Bulletin no. 135. 1929. 54 p.
Pyrausta nubilalis

- a7286. BACK, E. A. Conserving corn from weevils in the Gulf coast states. U. S. Department of Agriculture Farmers' Bulletin no. 1029, rev. 1931. 30 p.
- a7287. BACON, OSCAR G. Control of corn earworm on sweet corn in Northern California. Journal of Economic Entomology 43(3): 364-371. June 1950.
Heliothis armigera Hbn.
- a7288. _____ & ERWIN, WALLACE R. DDT residues on sweet corn; kernels and cobs of corn treated with DDT remain practically free of residues but amounts on plant restrict use as fodder. California Agriculture 10(2): 11-12. Feb. 1956.
Control of corn earworm.
- a7289. _____, ANDERSON, L. D. & REYNOLDS, H. T. Control of corn earworm attacking sweet corn in California. Journal of Economic Entomology 46(4): 614-620. Aug. 1953.
Heliothis armigera Hbn.
- a7290. BAKER, W. A. & BRADLEY, W. G. The European corn borer: its present status and methods of control. U. S. Department of Agriculture Farmers' Bulletin no. 1548, rev. 1948. 46 p.
Pyrausta nubilalis (Hbn.)
- a7291. _____ & BRADLEY, W. G. Field status of European corn borer parasites at the close of 1936. Journal of Economic Entomology 31(3): 345-348. June 1938.
- a7292. _____ & JONES, L. G. Studies of Exeristes robator (Fab.), a parasite of the European corn borer, in the Lake Erie area. U. S. Department of Agriculture Technical Bulletin no. 460. 1934. 26 p.
- a7293. _____ & MATHES, RALPH. Pyrausta nubilalis Hubn.; handling of single-generation larvae to supply parasite data. Journal of Economic Entomology 24(2): 404-413. April 1931.
- a7294. _____ & QUESTEL, D. D. Investigations of insecticides for control of the European corn borer at Toledo, Ohio, 1937-1938. Journal of Economic Entomology 32(4): 526-530. Aug. 1939.
- a7295. _____ & VANCE, A. M. Status of the European corn borer in 1937. Journal of Economic Entomology 31(3): 348-353. June 1938.

7296. BAKER, W. A., BRADLEY, W. G. & CLARK, C. A. Biological control of the European corn borer in the United States. U. S. Department of Agriculture Technical Bulletin no. 983. 1949. 185 p.
Pyrausta nubilalis (Hbn.)
7297. _____, QUESTEL, D. D. & BATCHELDER, C. H. Protecting market sweet corn from the European corn borer. U. S. Department of Agriculture Leaflet no. 225. 1942. 7 p.
Pyrausta nubilalis (Hbn.)
7298. BALL, CARLETON R. Cooperation in corn borer research. American Society of Agronomy. Journal 20(10):1033-1047. Oct. 1928.
7299. BANCROFT, T. A. & OTHERS. The Fall Population European Corn Borer Survey. Iowa State College. Journal of Science 29(1):61-74. Aug. 1954.
7300. BARBER, GEORGE W. The cannibalistic habits of the corn ear worm. U. S. Department of Agriculture Technical Bulletin no. 499. 1936. 18 p.
7301. _____ Control of earworms in corn by birds. Journal of Economic Entomology 35(4):511-513. Aug. 1942.
7302. _____ The corn ear worm in southeastern Georgia. Georgia Agricultural Experiment Station Bulletin 192. 1936. 18 p.
Heliothis obsoleta Fab.
7303. _____ Effect of mineral oil containing an insecticide on the tips of sweet corn ears. Journal of Economic Entomology 37(6):730-733. Dec. 1944.
Corn earworm.
7304. _____ The European corn borer, Pyrausta nubilalis Hbn. versus the corn earworm, Heliothis obsoleta Fab. Journal of Agricultural Research 27(1):65-70. Jan. 5, 1924.
7305. _____ Heat and time of exposure necessary to kill larvae of the European corn borer in ear corn. U. S. Department of Agriculture Circular no. 71. 1929. 14 p.
Pyrausta nubilalis (Hbn.)
7306. _____ Hibernation of the corn ear worm in southeastern Georgia. U. S. Department of Agriculture Technical Bulletin no. 791. 1941. 17 p.
Heliothis armigera (Hbn.)

7307. BARBER, GEORGE W. Hibernation of the corn ear worm in southern Connecticut. Connecticut (New Haven) Agricultural Experiment Station Bulletin 419. 1939. 27 p.
7308. _____ Husk development of sweet corn as affected by moisture supply, an important factor in corn earworm control. Journal of Agricultural Research 68(2):73-77. Jan. 15, 1944.
7309. _____ Method of rearing corn earworm larvae. Journal of Economic Entomology 29(6):1175-1176. Dec. 1936.
7310. _____ Mineral-oil treatment of sweet corn for earworm control. U. S. Department of Agriculture Circular no. 657. 1942. 16 p.
Heliothis armigera (Hbn.)
7311. _____ Mineral oils, alone or combined with insecticides, for control of earworms in sweet corn. U. S. Department of Agriculture Technical Bulletin no. 880. 1944. 83 p.
Heliothis armigera (Hbn.)
7312. _____ New control methods for the corn ear worm. Journal of Economic Entomology 31(3):459. June 1938.
7313. _____ Observations on the egg and newly hatched larva of the corn ear worm on corn silk. Journal of Economic Entomology 34(3):451-456. June 1941.
7314. _____ Oviposition habits of the earworm moth in relation to infestation in the ears and to control. Journal of Economic Entomology 36(4):611-618. Aug. 1943.
7315. _____ Partial replacement of pyrethrins by dichloroethyl ether in oil for control of corn earworm. Journal of Economic Entomology 36(3):481. June 1943.
7316. _____ Preference of corn earworm moths for sweet corn for oviposition. Journal of Economic Entomology 30(5):802-803. Oct. 1937.
7317. _____ On the probable reason for the scarcity of the southern corn stalk borer (Diatraea crambidoides Grote) in southeastern Georgia. Journal of Economic Entomology 26(6):1174. Dec. 1933.
7318. _____ Seasonal availability of food plants of two species of Heliothis in eastern Georgia. Journal of Economic Entomology 30(1):150-158. Feb. 1937.

7319. BARBER, GEORGE W. Styrene dibromide as a substitute for pyrethrum in oil for corn earworm control. Journal of Economic Entomology 36(2): 330-332. April 1943.
7320. _____ A two-year study of the development of the European corn borer in the New England area. Journal of Agricultural Research 32(11): 1053-1068. June 1, 1926.
7321. _____ The use of insecticides in light mineral oil for corn ear worm control. Journal of Economic Entomology 32(4): 598. Aug. 1939.
7322. _____ & DICKE, F. F. Effect of temperature and moisture on over-wintering pupae of the corn earworm in the northeastern states. Journal of Agricultural Research 59(10): 711-723. Nov. 15, 1939.
Heliothis armigera (Hbn.)
7323. _____ & DICKE, F. F. The effectiveness of cultivation as a control for the corn earworm. U. S. Department of Agriculture Technical Bulletin no. 561. 1937. 16 p.
Heliothis obsoleta F.
7324. BARNES, DOUGLAS & HODSON, A. C. Low temperature tolerance of the European corn borer in relation to winter survival in Minnesota. Journal of Economic Entomology 49(1): 19-24. Feb. 1956.
7325. BARTHOLAMAI, C. W. Predatism of European corn borer eggs by arthropods. Journal of Economic Entomology 47(2): 295-299. April 1954.
7326. BARTLETT, K. A. & LEEFEBVRE, C. L. Field experiments with Beauveria bassiana (Bals.) Vuill., a fungus attacking the European corn borer. Journal of Economic Entomology 27(6): 1147-1157. Dec. 1934.
7327. BARTLEY, H. N. & SCOTT, L. B. Plowing as a control measure for the European corn borer in western New York. U. S. Department of Agriculture Circular no. 165. 1931. 28 p.
Pyrausta nubilalis (Hbn.)
7328. _____ & SCOTT, L. B. Preliminary report upon the infestation and general status of the European corn borer in western New York. U. S. Department of Agriculture Circular no. 197. 1931. 22 p.

7329. BATCHELDER, C. H. European corn borer location on the corn plant as related to insecticidal control. U. S. Department of Agriculture Technical Bulletin no. 976. 1949. 20 p.
7330. _____ Experiments with quebracho-fixed nicotine for the control of the European corn borer. Journal of Economic Entomology 32(4):513-516. Aug. 1939.
7331. _____ Growth stages of corn as related to European corn borer infestation. U. S. Department of Agriculture. Bureau of Entomology and Plant Quarantine ET-232. 1946. 5 p. (Processed)
7332. _____ & QUESTEL, D. D. Experiments with DDT for the control of the European corn borer infesting sweet corn at Toledo, Ohio, in 1944. U. S. Department of Agriculture. Bureau of Entomology and Plant Quarantine ET-659. 1945. 11 p. (mimeographed)
7333. _____ & QUESTEL, D. D. Insecticidal control of the European corn borer: the problems involved and some experimental results. Journal of Economic Entomology 24(6):1152-1167. April 1931.
7334. _____ & QUESTEL, D. D. Sub-freezing temperatures lethal to the European corn borer infesting green ears of sweet corn. U. S. Department of Agriculture Technical Bulletin no. 395. 1933. 13 p.
7335. _____, QUESTEL, D. D. & TURNER, NEELY. European corn borer investigations; experiments with insecticides on early sweet corn. Connecticut (New Haven) Agricultural Experiment Station Bulletin no. 395:271-285. 1937.
Pyrausta nubilalis
7336. BEARD, RAIMON L. The significance of growth stages of sweet corn as related to infestation by the European corn borer. Connecticut (New Haven) Agricultural Experiment Station Bulletin no. 471:169-199. 1943.
7337. _____ & TURNER, NEELY. Investigations on the control of the European corn borer. Connecticut (New Haven) Agricultural Experiment Station Bulletin no. 462:549-591. 1942.
I. Biological aspects by Raimon L. Beard. II. Studies of insecticides by Neely Turner.

7338. BECK, STANLEY D. The European corn borer, Pyrausta nubilalis (Hbn.), and its principal host plant. I. Orientation and feeding behavior of the larva on the corn plant. Entomological Society of America. Annals 49(6):552-558. Nov. 1956.
7339. _____ The European corn borer, Pyrausta nubilalis (Hbn.), and its principal host plant. II. The influence of nutritional factors on larval establishment and development on the corn plant. Entomological Society of America. Annals 49(6):582-588. Nov. 1956.
7340. _____ The European corn borer, Pyrausta nubilalis (Hbn.), and its principal host plant. IV. Larval Saccharotrophism and host plant resistance. Entomological Society of America. Annals 50(3):247-250. May 1957.
7341. _____ Nutrition of the European corn borer, Pyrausta nubilalis (Hbn.). IV. Feeding reactions of first instar larvae. Entomological Society of America. Annals 49(4): 399-405. July 1956.
7342. _____ & STAUFFER, J. F. An aseptic method for rearing European corn borer larvae. Journal of Economic Entomology 43(1):4-6. Feb. 1950.
7343. _____ & STAUFFER, J. F. The European corn borer, Pyrausta nubilalis (Hbn.), and its principal host plant. III. Toxic factors influencing larval establishment. Entomological Society of America. Annals 50(2):166-170. Mar. 1957.
7344. BELL, MAX E. Histology of the maize plant in relation to susceptibility to the European corn borer. Iowa State College. Journal of Science 31(1):9-17. Aug. 1956.
7345. BERGGREN, FRED. Insect parasites offer promising help in the battle against European corn borers. What's New in Crops & Soils 2(8):26. June-July 1950.
7346. BIGGER, JOHN H. & PETTY, H. B. Reduction of corn borer numbers from October to June; a ten-year study. Illinois Agricultural Experiment Station Bulletin 566. 1953. 15 p. Pyrausta nubilalis (Hbn.)
7347. _____ & OTHERS. Insecticides to control the European corn borer in field corn. Journal of Economic Entomology 40(3):401-407. June 1947.

7348. BISHOP, C. FRANKLIN. Corn borer control in West Virginia.
West Virginia Agricultural Extension Service Circular 361.
1951. 8 p.
Pyrausta nubilalis (Hbn.)
7349. BISHOPP, F. C. The bollworm or corn earworm. U. S. Department
of Agriculture Farmers' Bulletin 872, rev. 1922. 16 p.
7350. _____ The bollworm or corn ear worm as a cotton pest.
U. S. Department of Agriculture Farmers' Bulletin no. 1595.
1929. 14 p.
7351. BISSELL, THEODORE L. Armyworms in Georgia. Journal of Economic
Entomology 37(1):112-113. Feb. 1944.
Cirphis unipuncta (Haw.) and Laphygma frugiperda (A. & S.)
7352. BLANCHARD, RALPH A. Hibernation of the corn earworm in the central
and northeastern parts of the United States. U. S. Depart-
ment of Agriculture Technical Bulletin no. 838. 1942. 13 p.
Heliothis armigera (Hbn.)
7353. _____ & BIGGER, JOHN H. Effect of soil insecticides on full-
grown corn earworm larvae, pupae, and adults. Journal of
Economic Entomology 50(5):697-698. Oct. 1957.
7354. _____ & CHAMBERLIN, T. R. Tests of insecticides, including
DDT, against the corn earworm and the fall armyworm in corn.
Journal of Economic Entomology 41(6):928-935. Dec. 1948.
7355. _____ & DOUGLAS, W. A. Control of corn earworm in sweet
corn. Mississippi Agricultural Experiment Station
Circular 146. 1949. 9 p.
Heliothis armigera (Hbn.)
7356. _____ & DOUGLAS, W. A. The corn earworm as an enemy of
field corn in the Eastern States. U. S. Department of
Agriculture Farmers' Bulletin no. 1651, rev. 1953.
15 p.
Heliothis armigera (Hbn.)
7357. _____ & DOUGLAS, W. A. Corn earworm controlled by spraying,
but not by dusting. Mississippi Farm Research 12(4):4, 5,
7, 8. April 1949.
Heliothis armigera (Hbn.)
7358. _____ & GOUCK, H. K. DDT-oil emulsion for combined control
of corn earworm and European corn borer. Journal of
Economic Entomology 43(5):734-735. Oct. 1950.

7359. BLANCHARD, RALPH A., BIGGER, JOHN H. & SNELLING, RALPH O. Resistance of corn strains to the corn ear worm. American Society of Agronomy. Journal 33(4):344-350. April 1941.
7360. _____, CHAMBERLIN, T. R. & SATTERTHWAIT, A. F. Controlling the fall armyworm in sweet corn and popcorn with DDT. Journal of Economic Entomology 39(6):817. Dec. 1946. Laphygma frugiperda (A. & S.)
7361. _____, SATTERTHWAIT, A. F. & SNELLING, RALPH O. Manual infestation of corn strains as a method of determining differential earworm damage. Journal of Economic Entomology 35(4):508-511. Aug. 1942.
7362. BLICKENSTAFF, CARL C. The nature of damage to field corn by the corn earworm, Heliothis zea (Boddie), and the fall armyworm, Laphygma frugiperda (A. and S.). (Abstract of doctoral thesis) Iowa State College. Journal of Science 32(2):133-135. Nov. 15, 1957.
7363. _____, ARBUTHNOT, K. D. & HARRIS, H. M. Parasites of the European corn borer in Iowa. Iowa State College. Journal of Science 27(3):335-379. April 1953.
7364. _____, FRONK, W. D. & LILLY, J. H. Watch out for second brood borers. Iowa Farm Science 5(2):3-4. Aug. 1950.
7365. BOTTGER, G. T. Development of synthetic food media for use in nutrition studies of the European corn borer. Journal of Agricultural Research 65(10):493-500. Nov. 15, 1942. Pyrausta nubilalis (Hbn.)
7366. _____ Preliminary studies of the nutritive requirements of the European corn borer. Journal of Agricultural Research 60(4):249-257. Feb. 15, 1940.
7367. _____ Sugars and protein in the corn plant as related to nutrition of the European corn borer. Journal of Economic Entomology 44(1):40-44. Feb. 1951.
7368. _____ & KENT, V. F. Seasonal-history studies on the European corn borer in Michigan. Journal of Economic Entomology 24(2):372-379. April 1931.
7369. BRADLEY, WILLIAM G. The European corn borer. In U. S. Department of Agriculture. Insects, the yearbook of agriculture, 1952. Washington, D. C., U. S. Government Printing Office, 1952. pp. 614-621.

7370. BRADLEY, WILLIAM G. Methods of breeding Chelonus annulipes on the Mediterranean flour moth for use against the European corn borer. U. S. Department of Agriculture Circular no. 616. 1941. 23 p.
7371. BRANNON, LLOYD W. Control of the corn earworm on Fordhook lima beans in Eastern Virginia. U. S. Department of Agriculture Circular no. 506. 1939. 14 p.
Heliothis obsoleta (F.)
7372. _____ Control of Mexican bean beetle and corn earworm in the presence of powdery mildew on snap beans. Journal of Economic Entomology 38(1):101-102. Feb. 1945.
Heliothis armigera (Hbn.)
7373. _____ Cryolite and some organic compounds to control corn earworm and the Mexican bean beetle. Journal of Economic Entomology 38(3):400. June 1945.
7374. BRETT, CHARLES H. Fall armyworm control on late planted sweet corn. Journal of Economic Entomology 46(4):714-715. Aug. 1953.
7375. _____ Resistant corns to control earworm. North Carolina Research and Farming 16(4):6. Spring 1958.
7376. _____ Southern cornstalk borer control with methoxychlor, DDT, isodrin and endrin. Journal of Economic Entomology 46(1):176. Feb. 1953.
7377. BREVES NOTAS sobre el control del gusano cogollero del maiz, Laphygma frugiperda (S. y A.). Venezuela, Ministerio de Agricultura y Cria, Departamento de Entomologia, Circular no. 2. 1948. 4 p. (mimeografiado)
7378. BRINDLEY, TOM A. The European corn borer as a farm problem. American Society of Farm Managers and Rural Appraisers. Journal 19(2):6-10. Oct. 1955.
7379. BRITTON, W. E. Experience in enforcing compulsory clean-up regulations on account of the European corn borer. Journal of Economic Entomology 26(3):604-606. June 1933.
7380. BROWN, H. E., VINSON, C. G. & HASEMAN, LEONARD. Protect roasting ears from worms. Missouri Agricultural Experiment Station Circular 270. 1943. 8 p.

7381. BUCKLEY, G. F. H. & MORTIMORE, C. G. Preliminary report on the effect of spray for corn borer control on yields of field corn. Canadian Journal of Agricultural Science 33(3):288-290. May-June 1953.
7382. BURDETTE, ROBERT C. Results of two years' work with an attractive spray for corn earworm moth (Heliothis obsoleta Fab.). Journal of Economic Entomology 27(1):213-217. Feb. 1934.
7383. BURK, EARL F., CROSS, C. B. & HIXSON, EPHRIAM. Variety tests of sweet corn and its resistance to corn earworm and smut injury. American Society for Horticultural Science. Proceedings 33:502-504. 1935.
7384. BURKHARDT, C. C. Feeding and pupating habits of the fall armyworm in corn. Journal of Economic Entomology 45(6):1035-1037. Dec. 1952.
7385. _____ & BREITHAUPT, M. P. Chemical control of the corn earworm in sorghum heads. Journal of Economic Entomology 48(2):225. April 1955.
Heliothis armigera (Hbn.)
7386. BUTLER, GEORGE D. & CARRUTH, L. A. Corn earworm control with DDT and other insecticides. Journal of Economic Entomology 42(3):457-461. June 1949.
7387. _____ & CARRUTH, L. A. Corn earworm control with insecticidal dusts on western Long Island, 1949. Journal of Economic Entomology 42(6):930-933. Dec. 1949.
7388. CAESAR, LAWSON & McLAINE, LEONARD S. A review of the European corn borer outbreak in Ontario. Journal of Economic Entomology 24(2):512-517. April 1931.
7389. CAFFREY, D. J. Corn borer research and the ten million dollar clean-up campaign. Journal of Economic Entomology 21(1):89-93. Feb. 1928.
7390. _____ The European corn borer; a menace to the country's corn crop. U. S. Department of Agriculture Farmers' Bulletin 1046. 1919. 30 p.
7391. _____ A general summary of the European corn borer situation in the United States at the close of 1928. Journal of Economic Entomology 22(1):167-171. Feb. 1929.

7392. CAFFREY, D. J. Recent developments in entomological research on the corn borer. American Society of Agronomy. Journal 20(10):997-1010. Oct. 1928.
7393. _____ & HUBER, L. L. The fundamental phases of European corn borer research. Journal of Economic Entomology 21(1):104-107. Feb. 1928.
7394. _____ & WORTHLEY, L. H. The European corn borer and its control. U. S. Department of Agriculture Farmers' Bulletin no. 1294. 1922. 44 p.
Pyrausta nubilalis (Hbn.)
7395. _____ & WORTHLEY, L. H. The European corn borer situation in the United States at the close of 1932. Journal of Economic Entomology 26(1):85-102. Feb. 1933.
7396. _____ & WORTHLEY, L. H. A progress report on the investigations of the European corn borer. U. S. Department of Agriculture Department Bulletin no. 1476. 1927. 155 p.
7397. _____ & WORTHLEY, L. H. The status of the European corn borer in the United States in 1931. Journal of Economic Entomology 25(3):696-706. June 1932.
7398. CALL, L. E. Corn borer investigations. American Society of Agronomy. Journal 25(12):830-831. Dec. 1933.
7399. CALLAHAN, PHILIP S. Behavior of the imago of the corn earworm, Heliothis zea (Boddie), with special reference to emergence and reproduction. Entomological Society of America. Annals 51(3):271-283. May 1958.
7400. _____ Oviposition response of the imago of the corn earworm, Heliothis zea (Boddie), to various wave lengths of light. Entomological Society of America. Annals 50(5):444-452. Sept. 1957.
7401. _____ Serial morphology as a technique for determination of reproductive patterns in the corn earworm, Heliothis zea (Boddie). Entomological Society of America. Annals 51(5): 413-428. Sept. 1958.
7402. CAMPANA contra el gorgojo del maiz. Campo (Mexico) 22(762):64, 67. Agosto 1955.

7403. CARRUTH, LAURENCE A. Controlling sweet corn insects. New York (Geneva) Agricultural Experiment Station Farm Research 15(3):12. July 1949.
7404. Experiments for the control of larvae of Heliothis obsoleta Fabr. on western Long Island during 1935. Journal of Economic Entomology 29(1):205-209. Feb. 1936.
7405. An investigation of the mineral oil treatment for corn earworm control. Journal of Economic Entomology 35(2):227-233. April 1942.
7406. Southern corn shipments and their relation to corn earworm infestations on Long Island. Journal of Economic Entomology 31(2):256-259. April 1938.
7407. & KERR, T. W. Reaction of corn earworm moth and other insects to light traps. Journal of Economic Entomology 30(2):297-305. April 1937.
7408. CARTWRIGHT, OSCAR L. The southern corn stalk borer, Diatraea cramboides (Grote), in South Carolina. South Carolina Agricultural Experiment Station Bulletin 294. 1934. 32 p.
7409. CARTWRIGHT, W. B. Observations on the European corn borer and its major parasites in the Orient. U. S. Department of Agriculture Circular no. 289. 1933. 14 p.
7410. CHAMBERLIN, WILLIAM F. Pre-silking sprays to control corn earworm and fall armyworm. Journal of Economic Entomology 44(4):590-592. Aug. 1951.
7411. Repellents for corn earworm control. Journal of Economic Entomology 47(2):364-365. April 1954.
7412. CHAMBERS, E. L. European corn borer situation in Wisconsin. Journal of Economic Entomology 29(5):944-947. Oct. 1936.
7413. CHARLES, VERA K. A new entomogenous fungus on the corn earworm Heliothis obsoleta. Phytopathology 28(12):893-897. Dec. 1938.
Spicaria heliothis
7414. CHIANG, H. C. A note on some mortality factors of the European corn borer, Pyrausta nubilalis. Ecology 40(2):310-312. April 1959.

7415. CHIANG, H. C. & CUTKOMP, I. K. The importance of some biological characteristics of European corn borer on timing of application of insecticides. *Journal of Economic Entomology* 46(2):277-287. April 1953.
7416. _____ & HODSON, A. C. Distribution of the first-generation egg masses of the European corn borer in corn fields. *Journal of Economic Entomology* 52(2):295-299. April 1959.
7417. _____ & HODSON, A. C. Leaf injury caused by the first-generation corn borer in field corn. *Journal of Economic Entomology* 46(1):68-73. Feb. 1953.
7418. _____ & HODSON, A. C. Relation between egg mass abundance and fall populations of first-generation corn borer and justification for insecticidal control in field corn. *Journal of Economic Entomology* 45(2):320-323. April 1952.
7419. _____ & HODSON, A. C. Stalk breakage caused by European corn borer and its effect on the harvesting of field corn. *Journal of Economic Entomology* 43(4):415-422. Aug. 1950.
7420. _____ & HODSON, A. C. Summer pupation of the European corn borer and the seasonal temperature. *Journal of Economic Entomology* 52(3):409-411. June 1959.
7421. _____, CUTKOMP, L. K. & HODSON, A. C. The effects of the second generation European corn borer on field corn. *Journal of Economic Entomology* 47(6):1015-1020. Dec. 1954.
7422. CHIARELLI DE GAHAN, ANGELINA & TOURON, ENRIQUE AGUSTIN. Biología y taxonomía de Heliothis armigera (Hbn.). *Revista de Investigaciones Agrícolas (Argentina)* 8(2):111-148. 1954.
7423. CHITTENDEN, F. H. The pink corn-worm: an insect destructive to corn in the crib. U. S. Department of Agriculture Bulletin no. 363. 1916. 20 p.
Batrachedra rileyi Wals.
7424. CHRISTENSEN, J. J. & SCHNEIDER, C. L. European corn borer (Pyrausta nubilalis Hbn.) in relation to shank, stalk, and ear rots of corn. *Phytopathology* 40(3):284-291. Mar. 1950.
7425. CLARK, CHARLES A. The European corn borer and its controlling factors in the Orient. U. S. Department of Agriculture Technical Bulletin no. 455. 1934. 37 p.
Pyrausta nubilalis (Hbn.)

7426. CLARK, CHARLES A. Host plants and seasonal development of the European corn borer in New Jersey. Journal of Economic Entomology 32(4):516-520. Aug. 1939.
7427. _____ & CARTER, STANLEY W. The collection, rearing, and release of parasites of the European corn borer in 1942. Journal of Economic Entomology 36(1):120. Feb. 1943.
7428. COAKER, T. H. An experiment on stem borer control on maize. East African Agricultural Journal 21(4):220-221. April 1956.
Busseola fusca, Sesamia spp.
7429. COLBERG, WAYNE J. & MUNRO, J. A. 1951 control recommendations for European corn borer. North Dakota Agricultural Experiment Station Bimonthly Bulletin 13(3):101-103. Jan.-Feb. 1951.
7430. _____, MUNRO, J. A. & HARRISON, E. V. North Dakota corn borer investigations, 1951. 3. Corn borer survey. North Dakota Agricultural Experiment Station Bimonthly Bulletin 14(4):129. Mar.-April 1952.
7431. COLLIER, GEORGE W. Corn borer control adds to farm costs but is worth while. In U. S. Department of Agriculture. What's new in agriculture, the yearbook of agriculture, 1927. Washington, D. C., U. S. Government Printing Office, 1927. pp. 199-202.
7432. _____ & ROBERTSON, LYNN. Adjusting central Indiana farming to corn borer conditions. Indiana (Purdue) Agricultural Experiment Station Bulletin no. 389. 1934. 36 p.
7433. COLLINS, G. N. & KEMPTON, J. H. Breeding sweet corn resistant to the corn earworm. Journal of Agricultural Research 11(11):549-572. Dec. 10, 1917.
7434. CON EL DDT lograse dominar al barrenillo del maiz en Iowa. Boletin del Agricultor (Du Pont) 4(4):5-6. Julio-Agosto 1947.
Pyrausta nubilalis
7435. CONTROL DE la palomilla del maiz (Laphygma frugiperda S.y A.). Boletin de Informacion Agricola (Cuba) 17(129):24-25. Julio-Sept. 1945.
7436. EL CONTROL del barrenador europeo del maiz. Agricultura de las Americas 6(3):50-52, 58. Marzo 1957.

7437. CONTROLLING corn ear worm. Down to Earth 1(1):13. May 1945.
7438. COON, BECKFORD F. Hybrids may be chosen to resist corn borer. Pennsylvania Science for the Farmer (Supplement no. 3 to Bulletin 488) June 1948. p. 4.
7439. CORN BORER control in field corn. Illinois College of Agriculture Extension Service Circular 637. 1949. 16 p.
7440. COTTON, E. C. The European corn borer; quarantine regulations for infested Ohio areas. Ohio Agricultural Experiment Station Monthly Bulletin 6(11-12):180-186. Nov.-Dec. 1921.
7441. COX, H. C., FAHEY, J. E. & BRINDLEY, T. A. European corn borer control in relation to Malathion residues. Journal of Economic Entomology 50(1):52-55. Feb. 1957.
7442. _____, LOVELY, W. G. & BRINDLEY, T. A. Control of the European corn borer with granulated insecticides in 1955. Journal of Economic Entomology 49(6):834-838. Dec. 1956.
7443. _____, LOVELY, W. G. & BRINDLEY, T. A. DDT granules; a new way to kill corn borers. Iowa Farm Science 10(9):19-21. Mar. 1956.
7444. _____ & OTHERS. Granulated insecticides for European corn borer control. Journal of Economic Entomology 49(1):113-119. Feb. 1956.
7445. CROWELL, MILTON F. The European corn borer; the relation of the larvae to submergence. New Hampshire Agricultural Experiment Station Technical Bulletin 30. 1926. 19 p.
7446. CUNNINGHAM, W. H., KING, D. R. & LANGLEY, B. C. Insecticidal control of the lesser cornstalk borer on peanuts. Journal of Economic Entomology 52(2):329-330. April 1959.
7447. CUTKOMP, L. K. & HOLDAY, F. G. Small scale field evaluation of insecticides for corn borer control. Journal of Economic Entomology 43(4):433-438. Aug. 1950.
7448. DAVIDSON, RALPH H. The relative effectiveness of some corn earworm control measures in sweet corn. Journal of Economic Entomology 36(6):938. Dec. 1943.

7449. DAVIS, E. G. & OTHERS. The southwestern corn borer. U. S. Department of Agriculture Technical Bulletin no. 388. 1933. 61 p.
7450. DAVIS, GEORGE L. Corn borer is now found in 28 States. U. S. Agricultural Marketing Service. Agricultural Situation 32(5):4. May 1948.
7451. DAVIS, JOHN J. The European corn borer. Indiana (Purdue) Agricultural Experiment Station Circular no. 138, rev. 1927. 16 p.
7452. _____ The European corn borer: past, present and future. Journal of Economic Entomology 28(2):324-333. April 1935.
7453. DEAN, GEORGE A. & OTHERS. Report of the Committee on Research Work on the Control of the European Corn Borer. Journal of Economic Entomology 27(1):19-20. Feb. 1934.
7454. DEAY, H. O., PATCH, L. H. & SNELLING, R. O. Loss in yield of dent corn infested with the August generation of the European corn borer. Journal of Economic Entomology 42(1):81-87. Feb. 1949.
7455. DECKER, GEORGE C. The biology of the four-lined borer Luperina stipata (Morr.). Iowa Agricultural Experiment Station Research Bulletin no. 125:125-164. 1930.
7456. _____ The biology of the stalk-borer Papaipema nebris (gn.). Iowa Agricultural Experiment Station Research Bulletin no. 143:289-351. 1931.
7457. _____ Corn borer control through insecticides. Down to Earth 4(1):2-3. Summer 1948.
7458. _____ & APPLE, J. W. Corn borer control in sweet corn. Illinois College of Agriculture Extension Service Circular 646. 1949. 16 p.
7459. _____ & BIGGER, J. H. Spraying and dusting field corn for corn borer control. Illinois College of Agriculture Extension Service Circular 642. 1949. 8 p.
7460. _____ & OTHERS. European corn borer control on canning corn. Journal of Economic Entomology 40(3):395-400. June 1947.

7461. DELGADO DE TORRES, DEMETRIO. Las orugas del maiz. Boletin de Patologia Vegetal y Entomologia Agricola (Espana) 4(15-18):1-20. 1929.
7462. DEONIER, CALVIN E. Penetration of the foliage canopy of corn and potatoes by aerial spray. Journal of Economic Entomology 48(5):629. Oct. 1955.
Corn earworm.
7463. DIBBLE, C. B. Fumigation with propylene dichloride mixture against Pyrausta nubilalis Hubn. Journal of Economic Entomology 26(4):893-895. Aug. 1933.
7464. _____ Value of plowing for controlling borer tested; experiments indicate plow plays important role in campaign against insect. Michigan Agricultural Experiment Station Quarterly Bulletin 10(2):58-59. Nov. 1927.
7465. _____ & MARSTON, A. R. Low cutting reduces corn borer menace. Michigan Agricultural Experiment Station Quarterly Bulletin 12(1):3-5. Aug. 1929.
7466. _____ & MARSTON, A. R. Topping corn does not control corn borer; experiments also show that this practice reduces corn yield. Michigan Agricultural Experiment Station Quarterly Bulletin 11(4):195-197. May 1929.
7467. DICKE, F. F. Seasonal abundance of the corn earworm. Journal of Agricultural Research 59(4):237-257. Aug. 15, 1939.
7468. _____ Studies on the host plants of the European corn borer, Pyrausta nubilalis Hubner, in southeastern Michigan. Journal of Economic Entomology 25(4):868-878. Aug. 1932.
7469. _____ & BARBER, G. W. Husk characters of field corn in relation to feeding by birds on earworms. Journal of Economic Entomology 37(1):119-120. Feb. 1944.
7470. _____ & PENNY, L. H. Built-in resistance helps corn fight borers. What's New in Crops & Soils 4(9):9-11. Aug.-Sept. 1952.
7471. DITMAN, L. P. Control of corn earworm and other pests of corn. Journal of Economic Entomology 43(2):191-193. April 1950.
7472. _____ The corn earworm infestation of 1942. Journal of Economic Entomology 36(4):629-630. Aug. 1943.

7473. DITMAN, L. P. DDT aerosols to control worms in corn. Journal of Economic Entomology 39(5):668. Oct. 1946.
7474. The infestation of the corn ear by Chloridea obsoleta Fab. in regard to time of silking. Journal of Economic Entomology 25(3):652-655. June 1932.
7475. Metabolism in the corn ear worm. I. Studies on fat and water. Maryland Agricultural Experiment Station Bulletin no. 414:181-206. 1938.
7476. An observation on the hibernation of the corn earworm in Maryland. Journal of Economic Entomology 25(2):413. April 1932.
7477. Observations on poison baits for corn ear worm control. Journal of Economic Entomology 30(1):116-118. Feb. 1937.
7478. & CORY, ERNEST N. The corn earworm: biology and control. Maryland Agricultural Experiment Station Bulletin no. 328:441-482. 1931.
7479. & CORY, ERNEST N. The corn earworm (third report). Maryland Agricultural Experiment Station Bulletin no. 399: 75-90. 1936.
7480. & CORY, ERNEST N. Corn earworm studies. Maryland Agricultural Experiment Station Bulletin no. 348:523-543. 1933.
7481. & CORY, ERNEST N. The response of corn earworm moths to various sugar solutions. Journal of Economic Entomology 26(1):109-115. Feb. 1933.
7482. & DITMAN, J. L. An apparatus for measuring corn earworm injury to sweet corn. Journal of Economic Entomology 50(3):371-372. June 1957.
7483. & LLOYD, G. W. Timing treatments for European corn borer control. Journal of Economic Entomology 44(4):564-566. Aug. 1951.
7484. , BURKHARDT, GEORGE & BLACK, D. T. Flat, hollow, and solid cone nozzles for earworm control. Journal of Economic Entomology 45(4):742-743. Aug. 1952.
7485. , ROSENBERGER, CHARLES R. & HARRISON, FLOYD P. Spraying for control of bean insects. Journal of Economic Entomology 47(4):600-603. Aug. 1954.
Control of corn earworm, pp. 601, 603.

7486. DITMAN, L. P., SECREST, J. P. & CORY, ERNEST N. Studies on corn ear worm control. Maryland Agricultural Experiment Station Bulletin no. 439:203-223. 1941.
7487. _____, WEILAND, G. S. & GUILL, J. H. The metabolism in the corn earworm. III. Weight, water, and diapause. Journal of Economic Entomology 33(2):282-295. April 1940.
7488. DORCHESTER, C. S. A treatment to preserve valuable representative samples of ear corn. American Society of Agronomy. Journal 14(3):93-95. Mar. 1922.
7489. DORWARD, KELVIN. European corn borer heavy in several states. Agricultural Chemicals 11(9):84. Sept. 1956.
7490. _____ European corn borer in Wyoming. Agricultural Chemicals 8(11):107-108. Nov. 1953.
7491. DOUGLAS, W. A. The effect of husk extension and tightness on earworm damage to corn. Journal of Economic Entomology 40(5):661-664. Oct. 1947.
7492. _____ Effect of planting date on corn earworm damage to dent corn. Journal of Economic Entomology 47(6):1158. Dec. 1954.
7493. _____ & ECKHARDT, R. C. Dent corn inbreds and hybrids resistant to the corn earworm in the South. U. S. Department of Agriculture Technical Bulletin no. 1160. 1957. 13 p.
7494. _____ & ECKHARDT, R. C. The effect of nitrogen in fertilizers on earworm damage to corn. Journal of Economic Entomology 46(5):853-854. Oct. 1953.
7495. DOUGLASS, J. R. & OTHERS. The western bean cutworm as a pest of corn in Idaho. Journal of Economic Entomology 50(5): 543-545. Oct. 1957.
7496. DRAKE, CARL J. The European corn borer. Iowa Agricultural Experiment Station Circular no. 100. 1926. 16 p.
7497. _____ & DECKER, G. C. Some caterpillars frequently mistaken for the European corn borer. Iowa Agricultural Experiment Station Circular no. 103. 1927. 16 p.
7498. _____ & HARRIS, H. M. Now we have corn borers. Iowa Farm Science Reporter 4(2):13-14. April 1943.

7499. DRAKE, CARL J., DECKER, G. C. & HARRIS, H. M. The European corn borer and its control. Iowa Agricultural Experiment Station Bulletin no. P60: 921-936. 1944.
7500. _____, HARRIS, H. M. & BLICKENSTAFF, C. C. Corn borer in threat stage; actual damage in 1944 was larger than in 1943 but not ruinous on any one farm. Iowa Farm Science Reporter 6(1):11-13. Jan. 1945.
7501. DUERDEN, J. C. Stem borers of cereal crops at Kongwa, Tanganyika, 1950-52. East African Agricultural Journal 19(2):105-119. Oct. 1953.
7502. EDEN, W. G. Control of corn earworm in sweet corn. Alabama Agricultural Experiment Station Leaflet no. 32. 1952. 4 p.
7503. _____ Control of corn earworm in sweet corn in Alabama. Journal of Economic Entomology 45(1):105-108. Feb. 1952.
7504. _____ Corn earworm control in sweet corn. Journal of Economic Entomology 51(6):822-823. Dec. 1958.
Heliothis zea
7505. _____ DDT for earworm control in sweet corn. Journal of Economic Entomology 46(2):359-360. April 1953.
7506. _____ The European corn borer in Alabama. Journal of Economic Entomology 49(3):410-411. June 1956.
7507. _____ Experiments on earworm control on sweet corn. Journal of Economic Entomology 49(6):822-825. Dec. 1956.
7508. _____ Influence of nitrogen fertilizer, spacing, and irrigation on control of the corn earworm in sweet corn. Journal of Economic Entomology 49(2):278-279. April 1956.
7509. EICHMANN, R. D. Corn ear worm hibernates in Washington State. Journal of Economic Entomology 33(6):951-952. Dec. 1940.
7510. ELECTRIC corn borer moth traps cannot be recommended --- U.S.D.A. What's New in Crops & Soils 3(7):29. April-May 1951.
7511. ELLIS, WILLIAM O. Some lepidopterous larvae resembling the European corn borer. Journal of Agricultural Research 30(8):777-792. April 15, 1925.

7512. ELLISOR, L. O. A technique for rearing the corn earworm, Heliothis obsoleta Fab. Journal of Economic Entomology 28(3):647-648. June 1935.
7513. EMMERT, E. M. A preliminary report on a method for controlling earworms by clipping off tips of ears. American Society for Horticultural Science. Proceedings 35:573-575. 1937.
7514. _____ & PRICE, W. A. Control of the corn earworm by clipping. Kentucky Agricultural Experiment Station Bulletin 436. 1942. 10 p.
7515. ESTRADA, FRANCISCO A. Combate del gusano cogollero del maiz (Laphygma frugiperda S. y A.) por medio de insecticidas en Nicaragua. En Reunion Centroamericana sobre Mejoramiento del Maiz, 3a, Antigua, Guatemala, 1956. Proyecto Cooperativo Centroamericano. Turrialba, C. R., Instituto Interamericano de Ciencias Agricolas, 1956. pp. 130-138.
7516. EUROPEAN corn borer control for Nebraska. Nebraska College of Agriculture Extension Service Circular 1555. 1950. 11 p.
7517. EUROPEAN corn borer in North America. Nature (London) 163(4149): 739. May 7, 1949.
7518. THE EUROPEAN corn borer; a situation report. U. S. Department of Agriculture Agricultural Research Service ARS22-15. 1955. 12 p.
7519. EVERETT, TRAVIS R., CHIANG, H. C. & HIBBS, E. T. Some factors influencing populations of European corn borer, Pyrausta nubilalis (Hbn.) in the North Central States. Minnesota Agricultural Experiment Station Technical Bulletin 229. 1958. 63 p. (North Central Regional Publication no. 87).
7520. FAHEY, JACK E., BRINDLEY, T. A. & RUSK, H. W. Studies of DDT residues on corn. Agricultural Chemicals 9(3):50-51, 53, 135-137. Mar. 1954.
7521. _____, BRINDLEY, T. A. & RUSK, H. W. Three years' study of DDT residues on corn plants treated for European corn borer control. Iowa State College. Journal of Science 28(2):209-260. Nov. 1953.
7522. _____, RUSK, H. W. & COX, H. C. Residues on plants treated with DDT granules and emulsions for European corn borer control. Journal of Economic Entomology 49(6):846-849. Dec. 1956.

7523. FAJARDO, MANFREDO. Control de insectos y enfermedades. En Reunion Centroamericana sobre el Mejoramiento del Maiz, 1a, Turrialba, C. R., 1954. Proyecto Cooperativo Centroamericano. Turrialba, C. R., Instituto Interamericano de Ciencias Agricolas, 1954. pp. 311-312.
7524. FELT, E. P. The European corn borer, Pyrausta nubilalis Hubner. New York (Cornell) College of Agriculture Extension Service Bulletin 31. 1919. 17 p.
7525. FICHT, G. A. The European corn borer in Indiana. Indiana (Purdue) Agricultural Experiment Station Bulletin no. 406. 1936. 24 p.
7526. _____ A progress report on some insecticides used against the European corn borer. Journal of Economic Entomology 26(4): 747-754. Aug. 1933.
7527. _____ Relative resistance of selected strains of corn to European corn borer. Journal of Economic Entomology 29(4): 687-691. Aug. 1936.
7528. _____ Some observations on the planting date of corn and its relation to European corn borer population. Journal of Economic Entomology 24(2): 380-386. April 1931.
7529. _____ Some studies on the planting rate of corn in relation to oviposition, population and injury by the European corn borer. Journal of Economic Entomology 25(4): 878-884. Aug. 1932.
7530. _____ & HIENTON, T. E. Some of the more important factors governing the flight of European corn borer moths to electric traps. Journal of Economic Entomology 34(5): 599-604. Oct. 1941.
7531. _____ & HIENTON, T. E. Studies on the flight of European corn borer moths to light traps: a progress report. Journal of Economic Entomology 32(4): 520-526. Aug. 1939.
7532. _____, HIENTON, T. E. & FORE, J. M. The use of electric light traps in the control of the European corn borer. Agricultural Engineering 21(3): 87-89. Mar. 1940.
7533. FLEMING, A. A. & OTHERS. Inheritance in maize of reaction to European corn borer and its relationship to certain agronomic characters. Minnesota Agricultural Experiment Station Technical Bulletin 226. 1958. 32 p.

7534. FLETCHER, ROBERT K. Experiments in the control of the corn earworm, Heliothis obsoleta (Fabr.), with Trichogramma minutum Riley. Journal of Economic Entomology 26(5): 978-982. Oct. 1933.
7535. FLINT, WESLEY P. & MALLOCH, JOHN R. The European corn-borer and some similar native insects. Urbana, Illinois, Department of Registration and Education, Division of the Natural History Survey. Bulletin 13(10): 287-305. 1920.
7536. _____, DUNGAN, G. H. & YOUNG, A. L. Corn-borer developments during 1929. Illinois Agricultural Experiment Station Circular 350. 1930. 4 p.
7537. _____, DUNGAN, G. H. & YOUNG, A. L. Developments in the corn-borer battle. Illinois Agricultural Experiment Station Circular 334. 1929. 1 p.
7538. _____, HACKLEMAN, J. C. & BAUER, F. C. Begin to fight the corn borer now. Illinois Agricultural Experiment Station Circular no. 274. 1923. 1923. 8 p.
7539. _____, HACKLEMAN, J. C. & BAUER, F. C. Learning to live with the European corn borer. Illinois Agricultural Experiment Station Circular no. 313. 1927. 15 p.
7540. _____ & OTHERS. Drouth checks corn-borer advance in 1930. Illinois Agricultural Experiment Station Circular 367. 1931. 8 p.
7541. _____ & OTHERS. Learning to live with the European corn borer. Illinois Agricultural Experiment Station Circular 321. 1928. 15 p.
7542. _____ & OTHERS. No corn borers found in Illinois in 1931. Illinois Agricultural Experiment Station Circular 384. 1932. 4 p.
7543. FRACKER, S. B. & FLUKE, C. L. Look for the European corn borer. Wisconsin Agricultural Experiment Station Bulletin 385. 1926. 8 p.
7544. FREEBORN, STANLEY B. & WYMORE, FLOYD H. Attempts to protect sweet corn from infestations of the corn ear worm, Heliothis obsoleta (Fabr.). Journal of Economic Entomology 22(4): 666-671. Aug. 1929.

7545. FULTON, B. B. DDT for earworm control on sweet corn. North Carolina Agricultural Experiment Station. Research and Farming 5:11-12. Oct. 1946. (Progress report no. 1)
7546. _____ Lead arsenate and wetting agents for corn earworm control. Journal of Economic Entomology 29(2):466. April 1936.
7547. GANNON, NORMAN & DECKER, GEORGE C. Organic insecticides as sprays for armyworm control. Journal of Economic Entomology 48(3):260-262. June 1955.
Pseudaletia unipuncta (Haw.)
7548. _____, LUCKMANN, W. H. & PETTY, H. B. Controlling earworms on sweet corn. Illinois College of Agriculture Extension Service Circular 739. 1955. (folded leaflet)
7549. GARMAN, H. & JEWETT, H. H. The life-history and habits of the corn-ear worm (Chloridea obsoleta). Kentucky Agricultural Experiment Station Bulletin no. 187:511-591. 1914.
7550. GINSBURG, JOSEPH M. & FILMER, R. S. DDT recovered on corn plants from different treatments against corn earworm. Journal of Economic Entomology 44(4):620. Aug. 1951.
7551. _____, FILMER, R. S. & REED, J. P. Recovery of organic insecticides from sprayed and dusted crops. Journal of Economic Entomology 45(3):428-431. June 1952.
7552. GOOD borer control with granular insecticides. Iowa Farm Science 10(1):16. July 1955.
7553. GOUCK, HARRY K. & BLANCHARD, R. A. Effects of some organic compounds and mineral oil on corn earworm eggs. Journal of Economic Entomology 44(6):1018. Dec. 1951.
7554. GOULD, GEORGE E. & WILSON, M. CURTIS. Granulated insecticides for European corn borer control. Journal of Economic Entomology 50(4):510-511. Aug. 1957.
7555. GRANULAR insecticides - promise of big use on corn borer next year may carry relatively new form to commercial level. Journal of Agricultural and Food Chemistry 3(12):988, 990-991. Dec. 1955.
7556. GRANULATED insecticides may control corn borers. Iowa Farm Science 9(2):18. Aug. 1954.

7557. GRAY, R. B. Corn-borer control by mechanical means is advanced a stage. In U. S. Department of Agriculture. What's new in agriculture, the yearbook of agriculture, 1928. Washington, D. C., U. S. Government Printing Office, 1928. pp. 222-224.
7558. _____ Machinery is the best means yet found for controlling corn borer. In U. S. Department of Agriculture. What's new in agriculture, the yearbook of agriculture, 1932. Washington, D. C., U. S. Government Printing Office, 1932. pp. 426-428.
7559. _____ & MERRILL, R. M. Corn borer battle enlists many kinds of farm machinery. In U. S. Department of Agriculture. What's new in agriculture, the yearbook of agriculture, 1930. Washington, D. C., U. S. Government Printing Office, 1930. pp. 175-178.
7560. _____ & MERRILL, R. M. Corn-borer control by machinery facilitated through seasonal plan. In U. S. Department of Agriculture. What's new in agriculture, the yearbook of agriculture, 1931. Washington, D. C., U. S. Government Printing Office, 1931. pp. 156-160.
7561. GREENWOOD, D. E. & HOFMASTER, R. N. Corn earworm control studies in Virginia. Journal of Economic Entomology 42(4):675-677. Aug. 1949.
7562. GUNDERSON, HAROLD. Fight corn borers in '47. Iowa Farm Science 1(7):13-14. Jan. 1947.
7563. _____ Borer control paid again in 1950. Iowa Farm Science 5(10):9-10. April 1951.
7564. _____ Corn borers on the march. Iowa Farm Science 3(8):8. Feb. 1949.
7565. _____ & LILLY, J. H. It pays to spray for corn borers. Iowa Farm Science 4(7):12-14. Jan. 1950.
7566. _____ & WOLF, DEAN C. What to tell farmers now about corn borers. Agricultural Leaders' Digest 31(5):9, 23. May 1950.
7567. GUYTON, T. L. Stalk borers; farm practices that aid in destroying the pests. Ohio Agricultural Experiment Station Monthly Bulletin 3(8):244-246. Aug. 1918.

7568. HAMILTON, EUGENE W. & HILL, ROSCOE E. Garden webworm control on corn. Journal of Economic Entomology 48(2):224. April 1955.
Loxostege similalis (Guen.)
7569. HARDING, J. A. & OTHERS. Particle numbers of granulated carriers in relation to European corn borer control. Iowa State College. Journal of Science 33(2):131-138. Nov. 1958.
7570. HARRIS, E. D. Control of the corn earworm on sweet corn. In Florida Agricultural Experiment Station. Annual report, 1957. pp. 248-249.
7571. _____ Residues from recommended insecticide applications to sweet corn for control of corn earworm, Heliothis zea (Boddie). In Florida Agricultural Experiment Station. Annual report, 1957. p. 255.
7572. HARRIS, H. M. & BRINDLEY, J. M. The European corn borer in Iowa. Journal of Economic Entomology 35(6):940-941. Dec. 1942.
7573. HARRISON, D. S. & HARRIS, E. D. Results of insecticide sprays and granules for corn budworm control. Florida Everglades Station Mimeo Report 59-26. May 6, 1959. 2 p.
7574. HASEMAN, LEONARD. The European corn borer. Missouri Agricultural Experiment Station Circular 94. 1920. 4 p.
Pyrausta nubilalis Hbn.
7575. _____ The European corn borer. Missouri Agricultural Experiment Station Circular 160. 1927. 8 p.
Pyrausta nubilalis Hbn.
7576. _____ Outbreak of corn earworm in Missouri. Journal of Economic Entomology 24(3):649-650. June 1931.
7577. _____ The present status of the European corn borer. Missouri Agricultural Experiment Station Circular 200. 1938. 8 p.
7578. _____ The sorghum worm in Missouri. Missouri Agricultural Experiment Station Bulletin 320. 1933. 8 p.

7579. HAWKINS, JOHN H. Be prepared to meet the armyworm in 1955. Maine Farm Research 3(1):14-18. April 1955.
7580. European corn borer control. Maine Agricultural Experiment Station Bulletin 468. 1949. 15 p.
7581. Importance of time of application of DDT sprays in control of European corn borer. Journal of Economic Entomology 44(4):569-571. Aug. 1951.
7582. Insecticidal control of the European corn borer. Maine Farm Research 1(2):6-8. July 1953.
7583. Preliminary experiments in corn earworm control. Journal of Economic Entomology 48(2):199-201. April 1955.
7584. & DEVITT, JOSEPH J. The European corn borer in Maine - its biology and life history. Maine Agricultural Experiment Station Bulletin 522. 1953. 26 p.
7585. & DEVITT, JOSEPH J. Forecasting hatching levels of the European corn borer. Journal of Economic Entomology 45(2):203-209. April 1952.
7586. & THURSTON, RICHARD. Some phases of European corn borer control in central Maine. Journal of Economic Entomology 42(2):306-311. April 1949.
7587. HAWTHORN, LESLIE R. Further studies of earworm damage in sweet corn varieties in Texas. American Society for Horticultural Science. Proceedings 33:505-507. 1935.
7588. & FLETCHER, R. K. Earworm damage in sweet corn varieties. American Society for Horticultural Science. Proceedings 30:550-553. 1933.
7589. HAYSLIP, NORMAN C. & OTHERS. Corn earworm investigations in Florida. Journal of Economic Entomology 46(4):574-582. Aug. 1953.
7590. HEADLEE, THOMAS J. The angoumois grain moth. New Jersey Agricultural Experiment Station Circular 92. 1917. 4 p.
7591. Corn ear-worm. Kansas Agricultural Experiment Station Circular no. 7. 1910. 6 p.

7592. HEINRICH, CARL. Note on the European corn borer Pyrausta nubilalis Hubner) and its nearest American allies, with description of larvae, pupae, and one new species. Journal of Agricultural Research 18(3):171-178. Nov. 1, 1919.
7593. _____ The proper scientific name for the corn ear worm. Journal of Economic Entomology 32(4):595-596. Aug. 1939.
7594. HELM, ROBERT W. European corn borer control in Nebraska. Nebraska College of Agriculture Extension Service Circular 1555, rev. 1951. 4 p.
7595. HENSLEY, S. D. & ARBUTHNOT, K. D. Migration of larvae of southwestern corn borer on corn. Journal of Economic Entomology 50(1):103. Feb. 1957.
7596. HERVEY, GEORGE E. R. The European corn borer with respect to sweet corn in New York. Journal of Economic Entomology 23(1):154-157. Feb. 1930.
7597. _____ & HARTZELL, F. Z. Influence of planting dates of sweet corn on European corn borer infestation. Journal of Economic Entomology 24(1):183-188. Feb. 1931.
7598. _____ & PALM, C. E. A preliminary report on the response of the European corn borer to light. Journal of Economic Entomology 28(4):670-675. Aug. 1935.
7599. HIBBS, EDWIN T. & WEAVER, C. R. A field test of some organic insecticides for control of the armyworm. Journal of Economic Entomology 44(1):122. Feb. 1951.
7600. _____, GUTHRIE, W. D. & NEISWANDER, C. R. The yield performance of a resistant and a susceptible field corn hybrid under different intensities of European corn borer infestation. Ohio Agricultural Experiment Station Research Bulletin 818. 1958. 27 p.
7601. HILL, E. B., GUNN, R. V. & COLLIER, GEORGE W. A farm management study in the corn borer area; changes in farming practice and farm organization in southeastern Michigan due to the European corn borer. Michigan Agricultural Experiment Station Quarterly Bulletin 10(2):41-45. Nov. 1927.
7602. HINDS, W. E. & DEW, J. A. The grass worm or fall armyworm (Laphygma frugiperda, S. A.). Alabama Agricultural Experiment Station Bulletin no. 186:59-92. 1915.

7603. HINDS, W. E. & SPENCER, HERBERT. Insecticidal control for the sugarcane borer. Journal of Economic Entomology 21(1): 193-198. Feb. 1928.
7604. _____ & SPENCER, HERBERT. Sugarcane borer control aided through utilization of infested and trap corn. Louisiana Agricultural Experiment Station Bulletin no. 198. 1927. 26 p.
7605. _____ & SPENCER, HERBERT. Utilization of Trichogramma minutum for control of the sugarcane borer. Journal of Economic Entomology 21(2):273-279. April 1928.
7606. HOLDAY, F. G., CUTKOMP, L. K. & BUZICKY, A. W. Fighting the European corn borer in Minnesota. Minnesota Agricultural Extension Service Bulletin 257, rev. 1949. 16 p.
7607. HOLLOWAY, T. E. & LOFTIN, U. C. The sugar-cane moth borer. U. S. Department of Agriculture Bulletin no. 746. 1919. 74 p.
7608. _____, HALEY, W. E. & LOFTIN, U. C. The sugar-cane moth borer in the United States. U. S. Department of Agriculture Technical Bulletin no. 41. 1928. 76 p.
7609. HOUSER, J. S. The European corn borer; a new insect pest attacking many farm crops. Ohio Agricultural Experiment Station Monthly Bulletin 4(6):185-190. June 1919.
7610. _____ Insect pests of vegetables; methods of control suggested for the more troublesome kinds. Ohio Agricultural Experiment Station Monthly Bulletin 2(7):232-240. July 1917.
7611. _____ & HUBER, L.L. Nutrition as a factor in the responses of the European corn borer. Journal of Economic Entomology 22(1):171-174. Feb. 1929.
7612. HOW TO spray for corn borer? Iowa Farm Science 9(2):16. Aug. 1954.
7613. HOWE, ROBERT G. & DAVIS, A. C. Corn earworm control on Long Island. Journal of Economic Entomology 47(1):94-97. Feb. 1954.
7614. HUBER, L. L. Effect of the mechanical husker in corn borer control. Journal of Economic Entomology 33(4):643-644. Aug. 1940.

7615. HUBER, L. L. The European corn borer and corn hybrids. Ohio Agricultural Experiment Station Bimonthly Bulletin 24(197): 26-28. Mar.-April 1939.
7616. _____ Later planting reduces corn borer damage. Ohio Agricultural Experiment Station Bimonthly Bulletin 27(215): 72-73. Mar.-April 1942.
7617. _____ Learning to live with the European corn borer. Ohio Agricultural Experiment Station Bimonthly Bulletin 26(210): 87-104. May-June 1941.
7618. _____ & NEISWANDER, C. R. The correlation between soil fertility and European corn borer accumulation. Journal of Economic Entomology 21(1): 118-120. Feb. 1928.
7619. _____ & NEISWANDER, C. R. Entomological research on the European corn borer in Ohio. American Society of Agronomy. Journal 19(2): 128-137. Feb. 1927.
7620. _____ & NEISWANDER, C. R. The European corn borer: a progress report. Ohio Agricultural Experiment Station Bimonthly Bulletin 9(11-12): 192-197. Nov.-Dec. 1924.
7621. _____ & NEISWANDER, C. R. The European corn borer in Ohio. Ohio Agricultural Experiment Station Bimonthly Bulletin 12(1): 3-13. Jan.-Feb. 1927.
7622. _____ & NEISWANDER, C. R. Questions concerning the European corn borer. Ohio Agricultural Experiment Station Bimonthly Bulletin 9(1-2): 3-8. Jan.-Feb. 1924.
7623. _____ & POLIVKA, J. B. Some ecological aspects of European corn borer abundance. Journal of Economic Entomology 26(4): 755-758. Aug. 1933.
7624. _____ & STRINGFIELD, G. H. Aphid infestation of strains of corn as an index of their susceptibility to corn borer attack. Journal of Agricultural Research 64(5): 283-291. Mar. 1, 1942.
7625. _____, CAFFREY, D. J. & NEISWANDER, C. R. The trend of European corn borer research. Ohio Agricultural Experiment Station Bimonthly Bulletin 8(1): 3-8. Jan.-Feb. 1928.
7626. _____, NEISWANDER, C. R. & SALTER, R. M. The European corn borer and its environment. Ohio Agricultural Experiment Station Bulletin 429. 1928. 196 p.

7627. HUTCHINS, ROSS E. Corn earworm fails to overwinter at Ames, Iowa. *Journal of Economic Entomology* 28(5):833. Oct. 1935.
7628. HYNES, H. B. N. Lepidopterous pests of maize in Trinidad. *Tropical Agriculture (Trinidad)* 19(10):194-202. Oct. 1942.
7629. IBRAHIM, MAHMOUD A. Association tests between chromosomal interchanges in maize and resistance to the European corn borer. *Agronomy Journal* 46(7):293-298. July 1954.
7630. INDIANA "grinds" corn borers. *Iowa State College. Farm Science Reporter* 6(3):16. July 1945.
7631. IRONS, FRANK. Construction of a sled-type cornstalk shaver. *U. S. Department of Agriculture Miscellaneous Publication* no. 69. 1930. 10 p.
7632. JAMAICA AGRICULTURAL SOCIETY. CENTRAL INFORMATION AND PUBLICITY SERVICE. The fall army worm ... how to control it. Kingston, 1957. 5 p.
7633. JAMES, H. C. Caterpillar outbreaks. *Jamaica Department of Agriculture Extension Circular* no. 50. 1953. 12 p.
7634. JEFFERSON, R. N. Insecticide treatments for the corn earworm on certain flower crops. *Journal of Economic Entomology* 45(1):137-138. Feb. 1952.
7635. JONES, D. W. & CAFFREY, D. J. Status of imported parasites of the European corn borer. *U. S. Department of Agriculture Circular* no. 14. 1927. 8 p.
7636. _____, WALKER, HARRY G. & ANDERSON, LAUREN D. The European corn borer on the eastern shore of Virginia. *Virginia Truck Experiment Station Bulletin* 102:1619-1648. 1939.
7637. KELSHEIMER, E. G. & POLIVKA, J. B. Correlation of corn borer survival with maturity of corn. *Journal of Economic Entomology* 24(2):386-388. April 1931.
7638. KERN, FERNANDO. Recomendaciones para el combate del cogollero o barredor de maiz y arroz, *Laphygma frugiperda* S. y A. Venezuela, Instituto Nacional de Agricultura, Boletin de Extension no. 8. 1954. 15 p.
Summary in English

7639. KEVAN, D. KEITH McE. The bionomics of the neotropical corn-stalk borer, Diatraea lineolata, Wlk. (Lep., Pyral.) in Trinidad, B. W. I. Bulletin of Entomological Research 35(1):23-30. 1944.
7640. _____ The neotropical cornstalk borer, Diatraea lineolata, Walk., and the sugar-cane moth borer, D. saccharalis (Fabr.), as maize pests in Trinidad, with notes from Grenada. Tropical Agriculture (Trinidad) 20(9):167-174. Sept. 1943.
7641. KIRK, VERNON M. Control of the corn earworm in grain sorghum heads. Journal of Economic Entomology 52(2):338-339. April 1959.
7642. KLOSTERMEYER, E. C. Effect of soil fertility on corn earworm damage. Journal of Economic Entomology 43(4):427-429. Aug. 1950.
7643. KNIGHT, HARRY H. The armyworm in New York in 1914. New York (Cornell) Agricultural Experiment Station Bulletin no. 376: 749-765. 1914.
Leucania unipuncta Haworth.
7644. KOONE, HAROLD D. Insectos comunes en el maiz y el control de los mismos en Honduras. Agricultura (Honduras) nos. 13-15: 7-8, 10. Julio-Sept. 1954.
Laphygma frugiperda, Cirphis spp., gusados cortadores.
7645. KUITERT, L. C. Corn earworm control. In Florida Agricultural Experiment Station. Annual report, 1957. p. 94.
7646. KULASH, WALTER M. Further tests for earworm control in sweet corn. Journal of Economic Entomology 43(4):430-432. Aug. 1950.
7647. _____ New insecticides for corn earworm control. Journal of Economic Entomology 41(3):387-389. June 1948.
7648. KWOLEK, W. F. & BRINDLEY, T. A. The effects of the European corn borer, Pyrausta nubilalis (Hbn.), on corn yield. Iowa State College. Journal of Science 33(3):293-323. Feb. 1959.
7649. LANGE, W. HARRY. A hitherto unreported noctuid stem borer of corn and globe artichoke in California (Lepidoptera noctuidae Embolöecia sauzalitae Grt.). California Department of Agriculture Bulletin 28(4):288-290. 1939.
7650. LARRIMER, W. H. Corn earworm not controlled in sweet corn by release of Trichogramma. Journal of Economic Entomology 28(5):815-816. Oct. 1935.

7651. LARRIMER, W. H. Results of the ten million dollar corn borer clean-up campaign. Journal of Economic Entomology 21(1):93-104. Feb. 1928.
7652. LEAF injury forecasts extent of borer damage. What's New in Crops & Soils 4(7):27. April-May 1952.
7653. LEEPER, PAUL W., WENE, GEORGE P. & BLANCHARD, R. A. Effect of earworm treatments on size of sweet corn ears. American Society for Horticultural Science. Proceedings 61:413-416. 1953.
7654. LEFEBVRE, C. L. A destructive fungous disease of the corn borer. (Abstract) Phytopathology 21(1):124-125. Jan. 1931.
7655. _____ Preliminary observations on two species of Beauveria attacking the corn borer, Pyrausta nubilalis Hubner. Phytopathology 21(12):1115-1128. Dec. 1931.
7656. LEFEVRE, P. Etude sur Busseola fusca Hmpsn. parasite du mais. Bulletin Agricole du Congo Belge 26(4):448-452. Dec. 1935.
7657. LEIDERMAN, LEAO. O combate das lagartas de Heliothis obsoleta (Fabr., 1793) (Lepidoptera, Noctuidae) em espigas de milho com modernos inseticidas organicos. Instituto Biologico, Sao Paulo, Brasil. Arquivos 22:13-22. 1955. Abstract in English.
7658. _____ Estudos da acao de modernos inseticidas organicos sobre a "lagarta dos milharais" Laphygma frugiperda (Abbot & Smith, 1797) em milho. (Lepidoptera, Noctuidae). Instituto Biologico, Sao Paulo, Brasil. Arquivos 22:1-12. 1955. Abstract in English.
7659. _____ Novos resultados com inseticidas no combate a lagarta das espigas de milho, Heliothis obsoleta (Fabr. 1793). O Biologico 20(8):131-137. Agosto 1954.
7660. _____ Observacoes sobre a suscetibilidade de cinco variedades de milho ao ataque de Heliothis obsoleta (Fabr. 1793) e Diatraea sp. O Biologico 20(5):73-77. Maio 1954.
7661. _____ & SAUER, H. F. G. Acao de alguns inseticidas organicos sobre Laphygma frugiperda (Abbot & Smith, 1797) atacando milho. Instituto Biologico, Sao Paulo, Brasil. Arquivos 21:111-119. 1952-1954. Abstract in English.

7662. LEIDERMAN, L. & SAUER, H. F. G. Efeito dos inseticidas no combate a Heliothis obsoleta en espigas de milho. O Biologico 19(8):137-143. Agosto 1953.
7663. _____ & SAUER, H. F. G. A lagarta dos milharais (Laphygma frugiperda, Abbot e Smith, 1797). O Biologico 19(6):105-113. Junho 1953.
7664. _____ & SAUER, H. F. G. Resultados preliminares da acao inseticidas organicos no combate a Heliothis obsoleta (Fabr., 1793) em espigas de milho (Lepidoptera, Noctuidae). Instituto Biologico, Sao Paulo, Brasil. Arquivos 21:101-110. 1952-1954.
Abstract in English.
7665. _____ & SAUER, H. F. G. Resultados preliminares do combate a Laphygma frugiperda no milho. O Biologico 19(7):121-126. Julho 1953.
7666. LILLY, J. H. Toxaphene gets cutworms on corn. Iowa Farm Science 4(9):5-6. Mar. 1950.
7667. _____, BARGER, E. L. & GUNDERSON, HAROLD. Rotary stalk cutters for corn borer control. Iowa Farm Science 4(9):3-5. Mar. 1950.
7668. _____, BEATY, HAROLD & JOHNSON, ERWIN. Light traps? not yet! Iowa Farm Science 4(11):3-4. May 1950.
7669. LINCOLN, CHARLES & ISELY, DWIGHT. Corn as a trap crop for the cotton bollworm. Journal of Economic Entomology 40(3): 437-438. June 1947.
7670. LINDQUIST, DONALD A. & DAHM, PAUL A. Metabolism of radioactive DDT by the Madeira roach and European corn borer. Journal of Economic Entomology 49(5):579-584. Oct. 1956.
7671. _____ & OTHERS. Thiodan residues on corn plants. Journal of Economic Entomology 52(1):102-106. Feb. 1959.
7672. LONG-RANGE battle against corn borer. Iowa Farm Science 10(1): 14. July 1955.
7673. LOOMIS, R. S., BECK, S. D. & STAUFFER, J. F. The European corn borer, Pyrausta nubilalis (Hbn.), and its principal host plant. V. A chemical study of host plant resistance. Plant Physiology 32(5):379-385. Sept. 1957.

7674. LOSADA S., BELISARIO. Plagas del maiz; conferencia sobre el gusano cogollero, Laphygma frugiperda S. y A., enemigo permanente del maiz. Colombia, Zona Tecnico Administrativa del Valle, Circular Informativa no. 14. 1948. 5 p. (mimeografiado)
7675. LOUNSBURY, CHARLES P. Canker worms, army worm, corn worm, red humped apple tree caterpillar, antiopa butterfly, currant stem-girdler, imported elm bark louse, greenhouse orthezia. Massachusetts (Hatch) Experiment Station Bulletin no. 28. 1895. 30 p.
Heliothis armigera (Hbn.), pp. 16-17.
7676. LOWRY, P. R. The stalk borer; life history in New Hampshire, 1925-1926. New Hampshire Agricultural Experiment Station Technical Bulletin 34. 1927. 23 p.
7677. LUCHA CONTRA el barrenador europeo del maiz. Agricultura en las Americas 7(5):54, 56. Mayo 1958.
7678. LUCKMANN, W. H. Observations on the European corn borer and the corn earworm infesting early-season plantings of Country Gentleman sweet corn. Journal of Economic Entomology 49(6):877. Dec. 1956.
7679. _____ & DECKER, G. C. A corn plant maturity index for use in European corn borer ecological and control investigations. Journal of Economic Entomology 45(2): 226-232. April 1952.
7680. _____ & PETTY, H. B. Controlling corn borers in field corn with insecticides. Illinois College of Agriculture Extension Service Circular 768. 1957. 7 p.
7681. _____ & PETTY, H. B. Controlling corn borers in sweet corn. Illinois College of Agriculture Extension Service Circular 773. 1957. 7 p.
7682. _____ & PETTY, H. B. Metodos para combatir eficazmente al barrenador del maiz. Agricultura de las Americas 6(5):18-19, 24, 26, 28. Mayo 1957.
7683. LUGINBILL, PHILIP. Habits and control of the fall armyworm. U. S. Department of Agriculture Farmers' Bulletin no. 1990. 1950. 11 p.
Laphygma frugiperda (A. and S.)
7684. _____ & AINSLIE, GEORGE G. The lesser corn stalk-borer. U. S. Department of Agriculture Bulletin no. 539. 1917. 27 p.
Elasmopalpus lignosellus Zell.

7685. McCLELLAND, C. K. The relation of shuck covering to ear-worm attack. American Society of Agronomy. Journal 21(2): 235-236. Feb. 1929.
7686. McCONNELL, ELLICOTT & CUTKOMP, L. K. Studies with Bacillus thuringiensis in relation to the European corn borer. Journal of Economic Entomology 47(6):1074-1082. Dec. 1954.
7687. MacCREARY, DONALD & MILLIRON, H. E. Occurrence of the smart-weed borer and the European corn borer in apples. Journal of Economic Entomology 45(2):348. April 1952.
7688. McDANIEL, E. I. Corn earworm, Heliothis obsoleta as a green-house pest. Michigan Agricultural Experiment Station Quarterly Bulletin 14(3):183-186. Feb. 1932.
7689. McGUIRE, JUDSON ULERİY. Population specifications of the European corn borer, Pyrausta nubilalis (Hbn.), in field corn. (Abstract) Iowa State College. Journal of Science 29(3):457-458. Feb. 1955.
7690. McKELVEY, J. J. & OSORIO A., FRANCISCO J. Control del gusano cogollero del maiz. Mexico, Secretaria de Agricultura y Ganaderia, Oficina de Estudios Especiales, Folleto de Divulgacion no. 6. 1949. 16 p.
English summary. Excerptos en: Agronomia (Mexico) no. 6:4-5. Sept.-Oct. 1949 y Tierra (Mexico) 4(9):541-542, 553. Sept. 1949.
7691. McLALINE, L. S. & CRAWFORD, H. G. The status of the European corn borer in Canada (1927). Journal of Economic Entomology 21(1):86-88. Feb. 1928.
7692. MALLY, C. W. The maize stalk borer, Busseola fusca, Fuller. South Africa Department of Agriculture Bulletin no. 3. 1920. 111 p.
7693. MARCOVITCH, S. & ROBERT, S. A. The corn ear worm on tomato. Tennessee Agricultural Experiment Station Bulletin no. 133. 1925. 14 p.
7694. _____ & STANLEY, W. W. Control of tomato fruit worm and corn ear worm. Tennessee Agricultural Experiment Station Circular no. 72. 1940. 4 p.
7695. MARQUEZ DELGADO, ANTONIO. Gusano cogollero y gusano medidor del maiz. Fitofilo (Mexico) 5(2):14-25. Sept.-Oct. 1951.

7696. MARSHALL, JOSEPH. The distribution and sampling of insect populations in the field with special reference to the American bollworm, Heliothis obsoleta Fabr. Annals of Applied Biology 23(1):133-152. Feb. 1936.
7697. MARSTON, A. R. Breeding corn for resistance to the European corn borer. American Society of Agronomy. Journal 22(12):986-992. Dec. 1930.
7698. _____ Breeding European corn borer resistant corn. American Society of Agronomy. Journal 23(12):960-964. Dec. 1931.
7699. _____ Michigan hybrid no. 561. a borer-resistant field corn. Michigan Agricultural Experiment Station Quarterly Bulletin 18(4):223-225. May 1936.
7700. _____ Recent progress in breeding borer resistant corn. Michigan Agricultural Experiment Station Quarterly Bulletin 15(4):264-268. May 1933.
7701. _____ & DIBBLE, C. B. Corn-borer prefers corn to common mugwort; control measure suggested by French scientist not practical. Michigan Agricultural Experiment Station Quarterly Bulletin 11(2):69-72. Nov. 1928.
Pyrausta nubilalis
7702. _____ & DIBBLE, C. B. Investigations of corn borer control at Monroe, Michigan. Michigan Agricultural Experiment Station Special Bulletin no. 204. 1930. 47 p.
Pyrausta nubilalis
7703. _____ & MAHONEY, C. H. Progress report on breeding of sweet corn for corn borer resistance. American Society for Horticultural Science. Proceedings 29:472-476. 1932.
7704. MATHERS, RALPH. Three factors affecting laboratory rearing of European corn borer larvae. Journal of Economic Entomology 29(4):691-697. Aug. 1936.
7705. MELLANBY, KENNETH. Water drinking by the larva of the European corn borer. Journal of Economic Entomology 51(5):744-745. Oct. 1958.

7706. MERCADO M., OSCAR. Preferencias del Heliothis virescens y Heliothis obsoleta en los cultivos de algodon y maiz. Peru, Estacion Experimental Agricola de "La Molina", Informe Mensual 31(357):5-7. Abril 1957.
7707. MERRILL, LELAND G. Corn borers are threat in 1957. New Jersey Agriculture 39(1):9-10. Jan.-Feb. 1957.
7708. MERRILL, R. M. Use of farm machinery for corn-borer control in the one-generation area. U. S. Department of Agriculture Circular no. 321. 1934. 10 p.
Pyrausta nubilalis
7709. MEYERS, MARION T. & PATCH, L. H. A statistical study of sampling in field surveys of the fall population of the European corn borer. Journal of Agricultural Research 55(11):849-871. Dec. 1, 1937.
7710. _____ & OTHERS. Experiments on breeding corn resistant to the European corn borer. U. S. Department of Agriculture Technical Bulletin no. 583. 1937. 29 p.
7711. MICHELBACHER, A. E. Control of the corn earworm on sweet corn. California Department of Agriculture Bulletin 30(2):175-183. 1941.
7712. MILLIRON, H. E. & BUZICKY, A. W. Fighting the European corn borer in Minnesota. Minnesota Agricultural Extension Service Bulletin 257. 1948. 12 p.
7713. MINER, FLOYD D. Where do armyworms come from? Arkansas Farm Research 3(2):2. Summer 1954.
7714. MINNEMAN, P. G. Corn borer affects farm management; modifications in farm business methods as a result of the infestation are to be studied in southeastern counties. Michigan Agricultural Experiment Station Quarterly Bulletin 12(4):152-155. May 1930.
7715. _____ & HILL, E. B. Organization of farms in southeastern Michigan. Michigan Agricultural Experiment Station Special Bulletin no. 254. 1934. 51 p.
Corn, pp. 20, 21, 23, 24, 26, 27, European corn borer, pp. 37-40.
7716. MUMA, MARTIN H. Unusual feeding injury by corn earworms. Journal of Economic Entomology 39(6):815-816. Dec. 1946.

7717. MUNRO, J. A. & COLBERG, WAYNE J. European corn borer occurrence in North Dakota. North Dakota Agricultural Experiment Station Bimonthly Bulletin 12(2):50-53. Nov.-Dec. 1949.
7718. _____, POST, R. L. & NELSON, D. B. North Dakota corn borer investigations, 1951. 2. Introduction of insect parasites for European corn borer control. North Dakota Agricultural Experiment Station Bimonthly Bulletin 14(4): 128. Mar.-April 1952.
7719. MUSSELMAN, H. H. Machinery and corn borer control; old and new methods used in clean-up work - destruction of trash necessary. Michigan Agricultural Experiment Station Quarterly Bulletin 9(2):35-36. Nov. 1926.
7720. MUTCHMOR, J. A. & BECKEL, W. E. Importance of photoperiod and temperature in inducing diapause in the European corn borer, Pyrausta nubilalis (Hbn.). Nature (London) 181(4603):204. Jan. 18, 1958.
7721. MYERS, H. A. & LOVELY, W. G. Granular insecticide applicators for control of European corn borer. Agricultural Engineering 38(5):298-301, 316-319. May 1957.
7722. MYERS, KENNETH H. Adjusting Corn Belt farming to meet corn-borer conditions. U. S. Department of Agriculture Farmers' Bulletin no. 1681. 1932. 26 p.
7723. NARAYANAN, E. S. & CHAUDHURI, R. P. Studies on Stenobracon deesae (Cam.), a parasite of certain Lepidopterous borers of graminaceous crops in India. Bulletin of Entomological Research 45(4):647-659. Dec. 1954.
7724. NEISWANDER, C. R. Variations in the seasonal history of the European corn borer in Ohio. Journal of Economic Entomology 40(3):407-412. June 1947.
7725. _____ & HERR, E. A. Correlation of corn borer population with degree of damage. Journal of Economic Entomology 23(6):938-945. Dec. 1930.
7726. _____ & HIBBS, EDWIN T. Corn borer first discovered on Middle Bass Island in 1921. Ohio Farm and Home Research 39(28):52-53, 61. July-Aug. 1954.
7727. _____ & RICHARDSON, BEN H. Sweet corn without borers. Ohio Farm and Home Research 33(252):76-81. May-June 1948.

7728. NEISWANDER, C. R. & ROLSTON, L. H. Reducing corn earworm damage. Ohio Farm and Home Research 36(269):22-23. Mar.-April 1951.
7729. _____ & SAVAGE, J. R. Migration and dissemination of European corn borer larvae (Pyrausta nubilalis Hubn.). Journal of Economic Entomology 24(2):389-393. April 1931.
7730. _____, CONREY, G. W. & HUBER, L. L. Soil type influences European corn borer accumulation. Ohio Agricultural Experiment Station Bimonthly Bulletin 8(1):8-12. Jan.-Feb. 1928.
7731. NEW DISEASE may spell trouble for corn borer. What's New in Crops & Soils 5(7):27. April-May 1953.
7732. NEW SPRAY method kills corn earworms before sweet corn is damaged. What's New in Crops & Soils 2(8):29. June-July 1950.
7733. NIEL, LUIS L. Resumen de los ensayos realizados en el control de orugas varias del maiz. En Argentina. Centro Regional Pampeano de Investigaciones Agropecuarias. Memoria de la Quinta Reunion de Maiz, 27 y 28 de julio de 1950 en la Estacion Experimental Pergamino. Pergamino, 1950. pp. 37-39.
7734. NUTTYCOMBE, J. W. Oviposition of the corn earworm moth in relation to nectar flow of some flowering plants. Journal of Economic Entomology 23(4):725-728. Aug. 1930.
7735. O'KANE, W. C. & LOWRY, P. R. The European corn borer; life history in New Hampshire, 1923-1926. New Hampshire Agricultural Experiment Station Technical Bulletin 33. 1927. 39 p.
7736. OTOYA, FRANCISCO J. El "medidor" del maiz y los medios para combatirlo. Colombia, Ministerio de la Economia Nacional, Boletin no. 2:1-6. Nov. 1940.
7737. PACHECO M., FRANCISCO & YOUNG, WILLIAM R. Combate del gusano cogollero en el noroeste. Agricultura Tecnica en Mexico no. 4. 1957. pp. 6-7, 48.
7738. PACKARD, C. M. Oil-insecticide treatment of sweet corn for ear-worm control. U. S. Department of Agriculture Research Achievement Sheet 16 (E). 1945. 1 p.

7739. PAINTER, REGINALD H. Some ecological aspects of the resistance of crop plants to insects. Journal of Economic Entomology 47(6):1036-1040. Dec. 1954.
7740. _____ & BRUNSON, ARTHUR M. Differential injury within varieties, inbred lines, and hybrids of field corn caused by the corn earworm, Heliothis armigera (Hbn.). Journal of Agricultural Research 61(2):81-100. July 15, 1940.
7741. _____ & WEIBEL, DALE E. European corn borer damage to grain sorghums. Journal of Economic Entomology 44(5): 796-798. Oct. 1951.
7742. PARKER, H. L. Macrocentrus gifuensis Ashmead, a polyembryonic braconid parasite in the European corn borer. U. S. Department of Agriculture Technical Bulletin no. 230. 1931. 62 p.
7743. _____ & OTHERS. Pyrausta nubilalis Hubn. in Europe; notes on infestation and parasitism from 1926 to 1928. Journal of Economic Entomology 22(4):688-693. Aug. 1929.
7744. _____ & OTHERS. A study of the abundance of Pyrausta nubilalis Hubn. in corn (Zea mays L.) in southwestern France. Journal of Economic Entomology 22(1):183-195. Feb. 1929.
7745. PARKS, T. H. Controlling army worm outbreaks in Ohio. Ohio Agricultural Experiment Station Monthly Bulletin 4(9): 272-275. Sept. 1919.
7746. PARSONS, F. S. Investigations on the cotton bollworm, Heliothis armigera, Hubn. (Obsoleta, Fabr.). II. The incidence of parasites in quantitative relation to bollworm populations in South Africa. Bulletin of Entomological Research 31(1):89-109. April 1940.
7747. _____ & ULLYETT, G. C. Investigations on the control of the American and red bollworms of cotton in S. Africa. Bulletin of Entomological Research 25(3):349-381. Sept. 1934.
Maize as a trap crop for Heliothis obsoleta.
7748. _____ & ULLYETT, G. C. Investigations on Trichogramma lutea, Gir., as a parasite of the cotton bollworm, Heliothis obsoleta, Fabr. Bulletin of Entomological Research 27(2):219-235. July 1936.

7749. PATCH, L. H. Height of corn as a factor in egg laying by the European corn borer moth in the one-generation area. *Journal of Agricultural Research* 64(9):503-515. May 1, 1942.
7750. _____ The infestation of corn ears by the European corn borer, and cribbed corn as an auxiliary source of infestation. U. S. Department of Agriculture Circular no. 275. 1933. 8 p.
7751. _____ Manual infestation of dent corn to study resistance to European corn borer. *Journal of Economic Entomology* 40(5):667-671. Oct. 1947.
7752. _____ Relation of number of European corn borers per infested corn plant to percentage of plants infested. *Journal of Economic Entomology* 32(3):387-393. June 1939.
7753. _____ Resistance of a single-cross hybrid strain of field corn to European corn borer. *Journal of Economic Entomology* 30(2):271-278. April 1937.
7754. _____ Some factors determining corn borer damage. *Journal of Economic Entomology* 22(1):174-183. Feb. 1929.
7755. _____ Survival, wieght, and location of European corn borers feeding on resistant and susceptible field corn. *Journal of Agricultural Research* 66(1):7-19. Jan. 1, 1943.
7756. _____ & DEAY, H. O. Effect of plant development on resistance of corn hybrids to European corn borer. *Journal of Economic Entomology* 41(5):766-769. Oct. 1948.
7757. _____ & EVERLY, RAY T. Contribution of inbred lines to the resistance of hybrid dent corn to larvae of the early summer generation of the European corn borer. *Journal of Agricultural Research* 76(11):257-263. June 1, 1948.
7758. _____ & PEIRCE, L. L. Laboratory production of clusters of European corn borer eggs for use in hand infestation of corn. *Journal of Economic Entomology* 26(1):196-204. Feb. 1933.

7759. PATCH, L. H., BOTTGER, G. T. & APP, B. A. Comparative resistance to the European corn borer of two hybrid strains of field corn at Toledo, Ohio. *Journal of Economic Entomology* 31(3):337-340. June 1938.
7760. _____, DEAY, H. O. & SNELLING, R. O. Stalk breakage of dent corn infested with the August generation of the European corn borer. *Journal of Economic Entomology* 44(4):534-539. Aug. 1951.
7761. _____, HOLBERT, J. R. & EVERLY, R. T. Strains of field corn resistant to the survival of the European corn borer. *U. S. Department of Agriculture Technical Bulletin* no. 823. 1942. 21 p.
7762. _____ & OTHERS. Comparative injury by the European corn borer to open-pollinated and hybrid field corn. *Journal of Agricultural Research* 63(6):355-368. Sept. 15, 1941.
7763. _____ & OTHERS. Factors determining the reduction in yield of field corn by the European corn borer. *Journal of Agricultural Research* 65(10):473-482. Nov. 15, 1942.
7764. PEAY, WALTER E. & DORST, HOWARD E. DDT dust effective for earworm control in market and canning corn. *Utah Farm and Home Science* 14(2):25-26, 28. June 1953.
7765. PENNY, L. H. & DICKE, F. F. European corn borer damage in resistant and susceptible dent corn hybrids. *Agronomy Journal* 51(6):323-326. June 1959.
7766. _____ & DICKE, F. F. Inheritance of resistance in corn to leaf feeding of the European corn borer. *Agronomy Journal* 48(5):200-203. May 1956.
7767. _____ & DICKE, F. F. A single gene-pair controlling segregation for European corn borer resistance. *Agronomy Journal* 49(4):193-196. April 1957.
7768. PEPPER, BAILEY B. The corn earworm and its control on sweet corn. *New Jersey Agricultural Experiment Station Circular* 413. 1941. 13 p.
7769. _____ Insecticides to control the European corn borer on sweet corn. *New Jersey Agricultural Experiment Station Circular* 377. 1938. 4 p.

7770. PEPPER, BAILEY B. & BARBER, GEORGE W. Dichloroethyl ether in mineral oil for corn earworm control in sweet corn. Journal of Economic Entomology 33(3):584-585. June 1940.
7771. _____ & CARRUTH, L. A. A new plant insecticide for control of the European corn borer. Journal of Economic Entomology 38(1):59-66. Feb. 1945.
7772. _____ & FILMER, ROBERT S. A low rotenone content Derris malaccensis dust effective against certain vegetable pests. Journal of Economic Entomology 37(2): 248-252. April 1944.
European corn borer, pp. 251-252.
7773. _____ & GARRISON, CARLTON S. The performance of hybrid field corns under European corn borer conditions in New Jersey. Journal of Economic Entomology 34(2):281-284. April 1941.
7774. _____ & HAENSELER, C. M. Control of European corn borer and ear smut on sweet corn with dusts and sprays. New Jersey Agricultural Experiment Station Circular 486. 1944. 14 p.
7775. _____ & HAENSELER, C. M. Controlling European corn borer and ear smut on sweet corn in the home garden. New Jersey Agricultural Experiment Station Circular 487. 1944. 8 p.
7776. _____ & WILSON, CLIFTON A. Dichloro-diphenyl-dichloroethane compared with other materials for corn earworm control. Journal of Economic Entomology 40(5):731-732. Oct. 1947.
7777. PETTIT, R. H. The European corn-borer again. Michigan Agricultural Experiment Station Quarterly Bulletin 2(4):183. May 1920.
7778. _____ The European corn borer; this serious new pest is making rapid progress through Michigan's corn belt. Michigan Agricultural Experiment Station Quarterly Bulletin 8(2):59-61. Nov. 1925.
7779. _____ The present status of the European corn borer in Michigan. Michigan Agricultural Experiment Station Circular Bulletin no. 70. 1925. 14 p.

7780. PHILLIPS, W. J. & BARBER, GEORGE W. The corn earworm as an enemy of field corn in the eastern states. U. S. Department of Agriculture Farmers' Bulletin no. 1651. 1931. 17 p.
7781. _____ & BARBER, GEORGE W. Ear-worm injury in relation to date of planting field corn in Central Virginia. Virginia Agricultural Experiment Station Technical Bulletin 55. 1934. 15 p.
7782. _____ & BARBER, GEORGE W. Egg-laying habits and fate of eggs of the corn ear worm moth and factors affecting them. Virginia Agricultural Experiment Station Technical Bulletin 47. 1933. 14 p.
7783. _____ & BARBER, GEORGE W. Oviposition by Heliothis obsoleta Fab. on the silks of corn. Virginia Agricultural Experiment Station Technical Bulletin 58. 1936. 14 p.
7784. _____ & BARBER, GEORGE W. A study of hibernation of the corn earworm in Virginia. Virginia Agricultural Experiment Station Technical Bulletin 40. 1929. 24 p.
7785. _____ & BARBER, GEORGE W. The value of husk protection to corn ears in limiting corn earworm injury. Virginia Agricultural Experiment Station Technical Bulletin 43. 1931. 24 p.
7786. _____ & KING, KENNETH M. The corn earworm: its ravages on field corn and suggestions for control. U. S. Department of Agriculture Farmers' Bulletin no. 1310. 1923. 17 p.
7787. _____, UNDERHILL, G. W. & POOS, F. W. The larger corn stalk-borer in Virginia. Virginia Agricultural Experiment Station Technical Bulletin 22. 1921. 30 p.
7788. PINNELL, E. L. & OTHERS. Minhybrid 408 corn stands up well under borer attack in Minnesota. What's New in Crops & Soils 2(9):31. Aug.-Sept. 1950.
7789. POLIVKA, J. B. The effects of physiological change in the corn plant on corn borer survival. Journal of Economic Entomology 24(2):394-395. April 1931.

7790. POLIVKA, J. B. & HERR, E. A. The behavior of the corn borer in stored corn. Ohio Agricultural Experiment Station Bimonthly Bulletin no. 138:103-105. May-June 1929.
7791. POND, D. D. Insecticides against the corn earworm in New Brunswick. Journal of Economic Entomology 48(2):198-199. April 1955.
Heliothis armigera (Hbn.)
7792. POOLE, CHARLES F. Corn earworm resistance and plant characters. American Society for Horticultural Science. Proceedings 38:605-609. 1941.
7793. _____ Corn-earworm resistance in maize varieties at Davis, California, 1934. American Society for Horticultural Science. Proceedings 32:453-457. 1934.
7794. _____ Inbreeding and earworm resistance in sweet corn. (Abstract) American Society for Horticultural Science. Proceedings 35:575. 1937.
7795. _____ New sweet corns resistant to earworm. American Society for Horticultural Science. Proceedings 33:496-501. 1935.
7796. _____ Resistance to corn earworm injury in the Charleston, South Carolina area. American Society for Horticultural Science. Proceedings 34:566-569. 1936.
7797. POST, R. L., McCALLEY, R. W. & ROSTBERG, M. G. North Dakota corn borer investigations, 1951. I. Evaluation of insecticides in corn borer control. North Dakota Agricultural Experiment Station Bimonthly Bulletin 14(4):126-128. Mar.-April 1952.
7798. PRESSER, BRUCE D. & RUTSCHKY, CHARLES W. The embryonic development of the corn earworm, Heliothis zea (Boddie) (Lepidoptera, Phalaenidae). Entomological Society of America. Annals 50(2):133-164. Mar. 1957.
7799. PROTECT your garden corn from earworms. U. S. Department of Agriculture Leaflet no. 284. 1950. (Folded leaflet)
7800. QUESTEL, D. D. Comparative effects of spray and dust treatments on European corn borer. Journal of Economic Entomology 38(1):52-56. Feb. 1945.
7801. _____ DDT and hibernating larvae of the European corn borer. Journal of Economic Entomology 39(4):535. Aug. 1946.

7802. QUESTEL, D. D. DDT as a substitute for derris against the European corn borer. *Journal of Economic Entomology* 37(1):149-150. Feb. 1944.
7803. _____ The effects of DDT dust and spray preparations on larvae of the European corn borer. U. S. Department of Agriculture. Bureau of Entomology and Plant Quarantine E-671. 1945. 7 p. (mimeographed)
7804. _____ & BRADLEY, WILLIAM G. Mortality of aphids and European corn borers feeding on corn plants grown in soil treated with bis(2-(2-fluoroethoxy)ethoxy)methane. *Journal of Economic Entomology* 44(2):259-260. April 1951.
7805. _____ & BRINDLEY, TOM A. Small-plot tests of new insecticides in control of European corn borer, 1950-1951. *Journal of Economic Entomology* 46(3):519-521. June 1953.
7806. _____ & CONNIN, R. V. A chemical treatment of soil which produces plant tissue lethal to European corn borer. *Journal of Economic Entomology* 40(6):914-915. Dec. 1947.
7807. _____ & IRONS, FRANK. Insecticidal treatment of market sweet corn with high-clearance boom equipment for control of the European corn borer. *Journal of Economic Entomology* 36(6):893-896. Dec. 1943.
7808. QUINLAN, JAMES K. & MILLER, ROBERT F. Evaluation of synergized pyrethrum for the control of Indian-meal moth in stored shelled corn. U. S. Department of Agriculture Marketing Research Report no. 222. 1958. 13 p.
7809. RAFFENSPERGER, EDGAR M. & RUTSCHKY, CHARLES W. A comparison of ovicides against corn earworm eggs. *Journal of Economic Entomology* 46(1):100-102. Feb. 1953.
7810. RAINWATER, C. F. Armyworm habit of Heliothis armigera (Hbn.). *Journal of Economic Entomology* 35(6):946-947. Dec. 1942.
7811. RAUN, EARLE S. & BLICKENSTAFF, C. C. Fight borers by land or by air. *Iowa Farm Science* 3(8):6-8. Feb. 1949.
7812. _____ & MARLEY, C. F. Prepare to fight the corn borer. *Agricultural Leaders' Digest* 31(3):14-16. Mar. 1950.
7813. REED, H. J. European corn borer control - progress report. Indiana (Purdue) Agricultural Experiment Station Circular no. 178. 1931. 12 p.

7814. REED, I. F. & HUMPHRIES, W. R. Husker-shredders in corn-borer control. U. S. Department of Agriculture Farmers' Bulletin no. 1662. 1931. 17 p.
7815. REED, C. O. & OTHERS. Fighting the corn borer with machinery in the two-generation area. U. S. Department of Agriculture Circular no. 132. 1930. 50 p.
7816. REYNOLDS, H. T., ANDERSON, L. D. & ANDRES, L. A. Cultural and chemical control of the lesser cornstalk borer. Journal of Economic Entomology 52(1):63-66. Feb. 1959.
7817. RITCHER, P. O. European corn borer in Kentucky. Kentucky Agricultural Experiment Station Bulletin 502. 1947. 23 p.
7818. ROBERTS, JAMES E. & WHITE, JAMES H. Corn earworm on sweet corn. Arkansas Farm Research 5(3):10. Fall 1956.
7819. RODRIGUEZ, J. G. & PRICE, W. A. How to control the European corn borer. Kentucky College of Agriculture and Home Economics Extension Division Circular 495. 1952? 8 p.
7820. ROLSTON, L. H. Corn borer invasions. Arkansas Farm Research 2(1):4. Spring 1953.
7821. _____ The southwestern corn borer in Arkansas. Arkansas Agricultural Experiment Station Bulletin 553. 1955. 40 p.
7822. _____ & KING, CHARLES. Silking of sweet corn as a factor in corn earworm control. Ohio Agricultural Experiment Station Research Circular 48. 1957. 11 p.
7823. ROSENFELD, ARTHUR H. The European corn borer in Egypt. Journal of Economic Entomology 26(6):1171-1172. Dec. 1933.
7824. RUGGLES, A. G. & ARNY, A. C. European corn borer. Minnesota College of Agriculture Extension Service Special Bulletin no. 116. 1927. 8 p.
7825. RUPPEL, ROBERT F., BENAVIDES G., MARCIAL & SALDARRIAGA, ALFREDO. Chemical control of the fall armyworm, Laphygma frugiperda (S.), in maize in Colombia. FAO Plant Protection Bulletin 5(5):69-74. Feb. 1957.
Tambien en espanol bajo el titulo "La lucha quimica contra el cogollero del maiz, Laphygma frugiperda (S.), en Colombia". en: FAO - Boletin Fitosanitario 5(5):69-74. 1957.

7826. RUPPEL, ROBERT F. & OTROS. El control del cogollero, Laphygma frugiperda (Smith) con anotaciones sobre otras especies. Agricultura Tropical (Colombia) 12(8):499-524. Agosto 1956.
7827. RUTSCHKY, CHARLES W. Corn earworm control experiments in Pennsylvania in 1950. Journal of Economic Entomology 44(4):567-569. Aug. 1951.
7828. _____ DDT emulsion controls earworms: other insecticides prove promising. Pennsylvania Agricultural Experiment Station. Science for the Farmer, Supplement no. 3 to Bulletin 529:10. June 1951.
7829. _____ Oils and insecticides for earworm control on sweet corn. Pennsylvania Agricultural Experiment Station Progress Report no. 65. 1952. 4 p.
7830. SALDARRIAGA VELEZ, ALFREDO. Control de Laphygma frugiperda en maiz. (Compendio) En Reunion Interamericana de Fitogenetistas, Fitopatologos, Entomologos y Edafologos, 3a, Bogota, Colombia, 1955. Bogota, Colombia, Ministerio de Agriculture, Oficina de Investigaciones Especiales, 1958. p. 276.
7831. SALTER, ROBERT M. & THATCHER, L. E. Agronomic research on the European corn borer in Ohio. American Society of Agronomy. Journal 19(2):137-153. Feb. 1927.
7832. _____, THATCHER, L. E. & McCLURE, J. T. Agronomic research on the European corn borer in Ohio. American Society of Agronomy. Journal 20(10):1011-1032. Oct. 1928.
7833. SAVAGE, J. R. The relation of the habitat to European corn borer populations. Journal of Economic Entomology 23(6):936-938. Dec. 1930.
7834. SCHLOSSBERG, MORRIS & BAKER, W. A. Sweet corn resistance to larval survival of the European corn borer. Journal of Economic Entomology 32(4):530-534. Aug. 1939.
7835. _____ & BAKER, W. A. Tests of sweet corn lines for resistance to European corn borer larvae. Journal of Agricultural Research 77(5):137-156. Sept. 1, 1948.

7836. SCHLOSSBERG, MORRIS & MATHERS, RALPH. Egg and larval populations of European corn borer in relation to time of planting and yields of sweet corn. *Journal of Economic Entomology* 30(2):280-287. April 1937.
7837. SCHNEIDER, C. L. & CHRISTENSEN, J. J. Relation of the European corn borer to stalk rots of corn. (Abstract) *Phytopathology* 39(1):21. Jan. 1949.
7838. SCOTT, L. B. Manure piles and feed lots as sources of European corn borer reinfestation. U. S. Department of Agriculture Circular no. 194. 1931. 15 p.
7839. _____ & PATCH, L. H. The survival of European corn-borer larvae in barns and other storage places. U. S. Department of Agriculture Circular no. 281. 1933. 7 p.
7840. SHEPARD, HAROLD H. Insects infesting stored grain and seeds. Minnesota Agricultural Experiment Station Bulletin 340. 1939. 30 p.
Sitotroga cerealella Oliv., pest of stored corn, pp. 13-14.
7841. SIKKA, S. M., DHAWAN, N. L. & SINGH, JOGINDER. Preliminary studies on breeding in maize for resistance to the top-shoot borer. *Current Science* 26(7):221. July 1957.
7842. SIMANTON, F. L., DICKE, F. F. & BOTTGER, G. T. The lethal power of certain insecticides tested in Michigan against the European corn borer. *Journal of Economic Entomology* 24(2):395-404. April 1931.
7843. SIMON F., JUAN E. Algunas experiencias en el control de las plagas del algodonero: maiz intercalado e insecticidas sistémicos. Peru, Estacion Experimental Agricola de "La Molina", Informe no. 90:31-52. 1954.
7844. _____ El sembrío del maiz intercalado en los algodonales; experiencias en el Valle de Ate para el control del Heliothis virescens. *Vida Agricola* (Peru) 31(365):293, 295, 297, 299-303, 305-306. Abril 1954.
Tambien en: Peru. Ministerio de Agricultura. Programa Cooperativo de Experimentacion Agropecuaria (PCEA). Boletin Trimestral 3(2):16-28. Abril-Junio 1954.

7845. SIMON F., JUAN E. El sembrio de lineas de maiz intercalado en los algodonales del Valle de Ate. Peru, Estacion Experimental Agricola de "La Molina", Informe Mensual, Marzo 1954. pp. 32-45.
Control de Heliothis virescens por medio de algunos chinches utiles de las familias Anthocoridae y Miridae.
7846. SLINGERLAND, M. V. The army-worm in New York. New York (Cornell) Agricultural Experiment Station Bulletin 133: 230-258. 1897.
7847. SLOAN, W. J. S. The maize trap crop for the control of corn ear worm in cotton. Queensland Agricultural Journal 49(1): 76. Jan. 1938.
7848. _____ Migrations of the corn earworm. Queensland Agricultural Journal 61(5): 272-274. Nov. 1945.
7849. _____ Trials with maize traps in cotton. Queensland Agricultural Journal 50(5): 635-636. Nov. 1938.
7850. SMELTZER, DALE G. Relationship between Fusarium ear rot and corn earworm infestation. Agronomy Journal 51(1): 53-54. Jan. 1959.
7851. SMITH, H. D. Phaeogenes nigridens Wesmael, an important ichneumonid parasite of the pupa of the European corn borer. U. S. Department of Agriculture Technical Bulletin no. 331. 1932. 45 p.
7852. SPAWN, GERALD B. The European corn borer in South Dakota - its control, life history, and distribution. In South Dakota Agricultural Experiment Station. Agricultural research in South Dakota, seventieth annual report, July 1, 1956 to June 30, 1957. Brookings, 1957. p. 29.
7853. STAHLER, N. A disease of the corn ear worm, Heliothis obsoleta (F.). Journal of Economic Entomology 32(1): 151. Feb. 1939.
7854. STARR, DONALD F., SCHULZ, JOHN T. & FERGUSON, PAUL. Results of field tests on use of ryania insecticides in corn borer control. Agricultural Chemicals 7(5): 69, 71, 73, 75; (6): 46-47, 135. May, June 1952.

7855. STEDMAN, J. M. Injurious and beneficial insects; some insect pests of the farm and garden. Alabama Agricultural Experiment Station Bulletin no. 45. 1893. 36 p. Corn cutworms and corn earworm, pp. 34-36.
7856. STEINHAUS, EDWARD A. Microbial infections in European corn borer larvae held in the laboratory. Journal of Economic Entomology 45(1):48-51. Feb. 1952.
7857. STUDY biology of corn borer. Iowa Farm Science 9(2):15. Aug. 1954.
7858. SWAINE, G. The maize and sorghum stalk borer, Busseola fusca (Fuller), in peasant agriculture in Tanganyika Territory. Bulletin of Entomological Research 48(4): 711-722. Dec. 1957.
7859. TAPP, JESSE W. Corn borer makes changes necessary in farm methods. In U. S. Department of Agriculture. What's new in agriculture, the yearbook of agriculture, 1927. Washington, D. C., U. S. Government Printing Office, 1927. pp. 207-210.
7860. _____, COLLIER, GEORGE W. & ARNOLD, C. R. Farm practices under corn-borer conditions. U. S. Department of Agriculture Farmers' Bulletin no. 1562. 1928. 21 p.
7861. TATE, H. DOUGLAS. Earworm control on sweet corn. Journal of Economic Entomology 39(3):414-415. June 1946.
7862. TAYLOR, F. The maize-stalk borer in the eastern Orange Free State. Farming in South Africa 27(319):450, 452. Oct. 1952.
7863. TAYLOR, GORDON STEVENS. Stalk-rot development in corn following the European corn borer. (Abstract) Phytopathology 42(1):20-21. Jan. 1951.
Abstract also appears in: Iowa State College. Journal of Science 27(2):265-266. Jan. 1953.
7864. TAYLOR, JOHN G. & DEAY, HOWARD O. Electric lamps and traps in corn borer control. Agricultural Engineering 31(10):503-505, 532. Oct. 1950.
7865. THATCHER, L. E. Infested corn stalks should be burned. Ohio Agricultural Experiment Station Bimonthly Bulletin 10(3-4): 53-54. Mar.-April 1925.

7866. THOMPSON, W. R. & PARKER, H. L. The European corn borer and its controlling factors in Europe. U. S. Department of Agriculture Technical Bulletin no. 59. 1928. 62 p.
7867. _____ & PARKER, H. L. The morphology and biology of Eulimneria crassifemur, an important parasite of the European corn borer. Journal of Agricultural Research 40(4):321-345. Feb. 15, 1930.
7868. TODD, C. J. & THOMAS, F. L. Notes on the southwestern corn borer, Diatraea grandiosella Dyar. Journal of Economic Entomology 23(1):118-121. Feb. 1930.
7869. TODD, E. L. The distribution and nomenclature of the corn earworm. Journal of Economic Entomology 48(5):600, 602-603. Oct. 1955.
7870. TORRE R., GUSTAVO DE LA. Control de los gusanos "cogolleros" del maiz. Peru. Ministerio de Agricultura, Informaciones del SCIPA (Servicio Cooperativo Interamericano de Produccion de Alimentos) no. 15:47-48. Oct. 1948.
Laphygma frugiperda
7871. _____ Control de los gusanos del cogollo en el maiz y "chala". Peru. Ministerio de Agricultura, Informaciones Tecnicas del SCIPA (Servicio Cooperativo Interamericano de Produccion de Alimentos) no. 38. 1948. 8 p.
7872. _____ Control de los gusanos del cogollo en el maiz y "chala". Chacra (Peru) 4(20):45-46. Mar.-Abril 1952.
Laphygma frugiperda Sm., Xylomyges eridiana Cram., y Xylomyges sunia Guen.
7873. TOXAPHENE best control for cutworms in corn. What's New in Crops & Soils 2(8):25. June-July 1950.
7874. TURNER, NEELY. Control of the European corn borer by dusts and sprays. Connecticut (New Haven) Agricultural Experiment Station Circular 164. 1947. 8 p.
7875. _____ Insecticides to control the European corn borer. Connecticut (New Haven) Agricultural Experiment Station Circular no. 114:73-76. 1936.

7876. TURNER, NEELY. A large-scale test of dusts to control the European corn borer. Journal of Economic Entomology 34(2):284-287. April 1941.
7877. _____ New developments in control of vegetable insects. Connecticut Agricultural Experiment Station. Frontiers of Plant Science 7(2):3. May 1955.
Corn earworm.
7878. _____ Relation between sugar content of corn and infestation and survival of the European corn borer. Journal of Economic Entomology 44(3):307-309. June 1951.
7879. _____ Reversals in order of effectiveness of insecticides. Journal of Economic Entomology 36(5):725-728. Oct. 1948.
Control of European corn borer.
7880. _____ Some fundamental aspects of control of the European corn borer. Connecticut (New Haven) Agricultural Experiment Station Bulletin 495. 1945. 43 p.
7881. _____ & BEARD, RAIMON L. Effect of stage of growth of field corn inbreds on oviposition and survival of the European corn borer. Journal of Economic Entomology 43(1):17-22. Feb. 1950.
7882. U. S. DEPARTMENT OF AGRICULTURE. ENTOMOLOGY RESEARCH BRANCH. The European corn borer and its control. U. S. Department of Agriculture Farmers' Bulletin no. 2084. 1955. 20 p.
7883. _____ SECTION OF CEREAL AND FORAGE INSECT INVESTIGATIONS. The southern cornstalk borer. U. S. Department of Agriculture Leaflet no. 363. 1954. 5 p.
Diatraca Crambidoides
7884. VANCE, ARLO M. Apanteles thompsoni Lyle, a braconid parasite of the European corn borer. U. S. Department of Agriculture Technical Bulletin no. 233. 1931. 28 p.
7885. _____ The biology and morphology of the braconid Chelonus annulipes Wesm., a parasite of the European corn borer. U. S. Department of Agriculture Technical Bulletin no. 294. 1932. 48 p.
7886. _____ Occurrence and responses of a partial second generation of the European corn borer in the Lake States. Journal of Economic Entomology 32(1):83-90. Feb. 1939.

7887. VANCE, ARLO M. Some physiological relationships of the female European corn borer moth in controlled environments. *Journal of Economic Entomology* 42(3):474-484. June 1949.
7888. _____ Studies on the prevalence of the European corn borer in the East North Central States. U. S. Department of Agriculture Circular no. 649. 1942. 24 p.
7889. VEITCH, ROBERT. Corn ear worm. *Queensland Agricultural Journal* 44(3):280-285. Sept. 1935.
7890. VIADO, G. B., BANAAG, A. F. & LUIS, R. A. Some organic insecticides in the control of the corn earworm and the corn borer on green corn. *Philippine Agriculturist* 41(7):402-411. Dec. 1957.
Heliothis armigera and Pyrausta salentialis.
7891. WADE, J. S. A bibliography of the European corn borer (Pyrausta nubilalis Hbn.). U. S. Department of Agriculture Miscellaneous Publication no. 46, rev. 1928. 35 p.
7892. WALKDEN, H. H. Cutworms, armyworms, and related species attacking cereal and forage crops in the Central Great Plains. U. S. Department of Agriculture Circular no. 849. 1950. 52 p.
Heliothis armigera, pp. 2, 44, 48.
7893. WALKER, HARRY G. & ANDERSON, LAUREN D. Desilking sweet corn to control corn ear worms, and notes on control of fall armyworms. *Journal of Economic Entomology* 32(4):492-495. Aug. 1939.
7894. _____, ANDERSON, LAUREN D. & WILLEY, C. R. European corn borer on the eastern shore of Virginia. *Journal of Economic Entomology* 29(1):202-204. Feb. 1936.
7895. WALTER, E. V. Corn earworm lethal factor in silks of sweet corn. *Journal of Economic Entomology* 50(1):105-106. Feb. 1957.
7896. _____ & LA HUE, D. W. Notes on food for corn ear worm adults. *Journal of Economic Entomology* 32(1):156. Feb. 1939.

7897. WALTON, R. R., ARBUTHNOT, K. D. & BROOKS, J. S. Further tests with insecticides to control the southwestern corn borer. *Journal of Economic Entomology* 50(3): 270-271. June 1957.
7898. WALTON, W. R. Corn borer control effort in \$10,000,000 program checks pest. In U. S. Department of Agriculture. What's new in agriculture, the yearbook of agriculture, 1927. Washington, D. C., U. S. Government Printing Office, 1927. pp. 202-207.
7899. _____ Corn-borer research lays foundation for control of the pest. In U. S. Department of Agriculture. What's new in agriculture, the yearbook of agriculture, 1928. Washington, D. C., U. S. Government Printing Office, 1928. pp. 224-227.
7900. _____ Cutworms and their control in corn and other cereal crops. U. S. Department of Agriculture Farmers' Bulletin no. 739, rev. 1946. 7 p.
7901. _____ European corn borer in American corn. In U. S. Department of Agriculture. The yearbook of agriculture, 1920. Washington, D. C., U. S. Government Printing Office, 1920. pp. 85-104.
7902. _____ & DAVIS, J. J. Cutworms and their control in corn and other cereal crops. U. S. Department of Agriculture Farmers' Bulletin 739. 1916. 3 p.
7903. WARREN, LLOYD. Behavior of Angoumois grain moth on several strains of corn at two moisture levels. *Journal of Economic Entomology* 49(3):316-319. June 1956.
7904. WEBSTER, R. L. & AINSLIE, C. N. Pale western cutworm in North Dakota. *North Dakota Agricultural Experiment Station Bulletin* 179. 1924. 24 p.
7905. WEDDELL, J. A. A recent army worm outbreak. *Queensland Agricultural Journal* 45(5):449-460. May 1936.
7906. WEEKMAN, GERALD THOMAS. Ecological studies of European corn borer populations in Boone County, Iowa. (Abstract of doctoral thesis) *Iowa State College. Journal of Science* 32(2):284-285. Nov. 15, 1957.

7907. WEIBEL, DALE E. & PAINTER, REGINALD H. European corn borer attacks Kansas and Nebraska sorghum. What's New in Crops & Soils 4(4):22. Jan. 1952.
7908. WEINMAN, CARL J. & DECKER, GEORGE C. The toxicity of eight organic insecticides to the armyworm. Journal of Economic Entomology 44(4):547-552. Aug. 1951.
7909. WENE, GEORGE P. & BLANCHARD, R. A. Insecticide dust for control of the corn earworm. Journal of Economic Entomology 43(1):1-4. Feb. 1950.
7910. _____ & BLANCHARD, R. A. Sponging method of earworm control in Texas. Journal of Economic Entomology 46(3):515-516. June 1953.
7911. _____, BLANCHARD, R. A. & WALTER, E. V. Relation of corn earworm resistance in sweet corn to efficiency of insecticide sprays. Journal of Economic Entomology 45(6):931-933. Dec. 1952.
7912. WHELAN, DON B. A key to the Nebraska cutworms and armyworms that attack corn. Nebraska Agricultural Experiment Station Research Bulletin 81. 1935. 27 p.
7913. WHEELAN, J. A. The African army worm and its control. Rhodesia Agricultural Journal 51(6):415-427. Nov.-Dec. 1954.
7914. _____ A new insecticide which can be used in army worm control. Rhodesia Agricultural Journal 53(1):102. Jan.-Feb. 1956.
7915. WILBUR, D. A., BRYSON, H. R. & PAINTER, REGINALD H. A major outbreak of the southwestern corn borer in Kansas. Journal of Economic Entomology 35(6):938-939. Dec. 1942.
7916. _____, BRYSON, H. R. & PAINTER, R. H. Southwestern corn borer in Kansas. Kansas Agricultural Experiment Station Bulletin 339. 1950. 46 p. (Bulletin 317 - revised)
Diatraea grandiosella Dyar.
7917. WILCOX, J. Practical field tests of oils and oils containing other insecticides for the control of the earworm in southern California. Journal of Economic Entomology 36(4):554-557. Aug. 1943.

7918. WILEMAN, R. H. Progress in controlling the European corn borer. Agricultural Engineering 25(11):419-420. Nov. 1944.
7919. WILLIAMS, C. B. The European corn borer in Egypt. Journal of Economic Entomology 27(3):719. June 1934.
7920. WILSON, JOHN W. Control of corn earworm on sweet corn. In Florida Agricultural Experiment Station. Annual report, 1957. p. 180.
7921. _____ Control of the corn earworm in Florida. Journal of Economic Entomology 48(4):442-444. Aug. 1955.
7922. _____ Corn earworm populations on sweet corn in Central Florida during the growing seasons of 1954 and 1955. Journal of Economic Entomology 49(4):493-495. Aug. 1956.
7923. _____ & THAMES, WALTER H. The effect of particle size of the active ingredient in DDT dust on corn earworm control. Journal of Economic Entomology 48(4):416-418. Aug. 1955.
7924. WORTHLEY, H. N. & BLASINGAME, R. U. Corn borer control with farm machinery. Pennsylvania Agricultural Experiment Station Bulletin 284. 1933. 19 p.
Pyrausta nubilalis Hbn.
7925. WORTHLEY, L. H. Corn borer control and the ten million dollar clean-up campaign. Journal of Economic Entomology 21(1):230-234. Feb. 1928.
7926. _____ Enforcement of the European corn borer quarantine in 1928. Journal of Economic Entomology 22(3):470-474. June 1929.
7927. _____ & BREWER, E. G. The European corn borer situation in the United States at the close of 1930. Journal of Economic Entomology 24(2):507-512. April 1931.
7928. _____ & CAFFREY, D. J. Scouting, quarantine and control for the European corn borer, 1917-1926. U. S. Department of Agriculture Technical Bulletin no. 53. 1927. 143 p.

7929. WRESELL, H. B. Control of the European corn borer in sweet corn. Canada Department of Agriculture Publication 909, rev. 1958. 8 p.
Pyrausta nubilalis (Hbn.)
7930. _____ The European corn borer and its control in sweet corn. Canada Department of Agriculture Publication 909. 1954. 8 p.
7931. _____ & DRISCOLL, G. R. Granulated insecticides for control of the European corn borer in southwestern Ontario. Journal of Economic Entomology 52(1):49-51. Feb. 1959.
7932. WRIGHT, HAROLD. Experimental insecticide control of corn borer. Down to Earth 3(1):2-4. Summer 1947.
7933. YARNELL, S. H. Breeding sweet corn for resistance to the corn earworm. American Society for Horticultural Science. Proceedings 60:379-386. 1952.
7934. YORK, GEORGE T. Field tests with the fungus Beauveria sp. for control of the European corn borer. Iowa State College. Journal of Science 33(2):123-129. Nov. 1958.
7935. ZAPPE, M. P. Control of the European corn borer. Connecticut (New Haven) Agricultural Experiment Station Circular no. 92:45-49. 1933.
Pyrausta nubilalis (Hbn.)
7936. ZIMMACK, HAROLD LINCOLN. Effect of Perezia pyraustae Paillot on the European corn borer, Pyrausta nubilalis (Hubner). (Abstract of doctoral thesis) Iowa State College. Journal of Science 32(2):291-292. Nov. 15, 1957.
7937. _____ & BRINDLEY, TOM A. The effect of the protozoan parasite Perezia pyraustae Paillot on the European corn borer. Journal of Economic Entomology 50(5):637-640. Oct. 1957.
7938. _____, ARBUTHNOT, K. D. & BRINDLEY, TOM A. Distribution of the European corn borer parasite Perezia pyraustae, and its effect on the host. Journal of Economic Entomology 47(4):641-645. Aug. 1954.

Orthoptera

7939. BRUNSON, ARTHUR M. & PAINTER, REGINALD H. Differential feeding of grasshoppers on corn and sorghums. American Society of Agronomy. Journal 30(4):334-346. April 1938.
7940. DRAKE, CARL J. & DECKER, G. C. The role of the airplane in grasshopper control. Journal of Economic Entomology 25(2):189-196. April 1932.
7941. FENTON, F. A. How to control grasshoppers in Oklahoma. Oklahoma Agricultural Experiment Station Bulletin no. 233. 1937. 12 p.
7942. HOROVITZ, S. & MARCHIONI, A. H. Herencia de la resistencia a la langosta en el maiz "amargo". Instituto Fitotecnico de Santa Catalina (Argentina) Anales 2:27-52. 1940. English summary.
7943. MARCHIONI, AGUSTIN. Micropruebas de resistencia a la langosta en el maiz "amargo". Instituto Fitotecnico de Santa Catalina (Argentina) Anales 1:159-166. 1939. English summary.
7944. PARKER, J. R. & SHOTWELL, R. L. Devastation of a large area by the differential and the two-striped grasshoppers. Journal of Economic Entomology 25(2):174-187. April 1932.
7945. _____, WALTON, W. R. & SHOTWELL, R. L. How to control grasshoppers in cereal and forage crops. U. S. Department of Agriculture Farmers' Bulletin no. 1691. 1932. 13 p.
7946. PELLETIER C., PABLO. Maiz "Amargo" resistente a la langosta. Fitofilo (Mexico) 4(1):23-54; (2):111-128. Enero-Feb., Mar.-Abril 1945.
7947. ROBERTS, RAYMOND. Ground cornstalks and cobs as base materials and magnesium sulphate and sodium fluosilicate as poisons in grasshopper baits. Nebraska Agricultural Experiment Station Bulletin 312. 1937. 14 p.

7948. ROSBACO, URBANO F. Consideraciones sobre maices "amargos" con especial referencia a su cultivo en la provincia de Entre Ríos. IDIA; Informativo de Investigaciones Agrícolas (Argentina) 4(46):1-13. Oct. 1951.
7949. RUGGLES, A. G. Observations on a grasshopper outbreak in Minnesota. Journal of Economic Entomology 25(2):187-189. April 1932.

Thysanoptera

7950. MARQUEZ, SERGIO ABURTO & BARKER, PHILIP S. Control del trips en el maiz. Agricultura Técnica en México no. 6:7, 39. Verano 1958.
7951. RILEY, G. B. & BARNES, DOUGLAS. Investigaciones sobre el ataque del trip, Frankliniella sp. en maiz; estudio con diferentes medidas de combate y evaluación de sus efectos sobre los rendimientos. México, Secretaría de Agricultura y Ganadería, Oficina de Estudios Especiales, Folleto Técnico no. 24. 1958. 32 p.

**Other Pests
(Otras Plagas)**

7952. BARRERA, A. Informe relativo a los estudios efectuados sobre la plaga de ratas de campo (Sigmodon hispidus) que ataca al maiz en la región Sur del Estado de Veracruz. Fitofilo (México) 6(4):4-10. Enero-Feb. 1952.

7953. DICKE, F. F. & BARBER, G. W. Husk characters of field corn in relation to feeding by birds on earworms. Journal of Economic Entomology 37(1):119-120. Feb. 1944.
7954. ERRINGTON, PAUL L. Observations on muskrat damage to corn and other crops in central Iowa. Journal of Agricultural Research 57(6):415-421. Sept. 15, 1938.
7955. GILTZ, MAURICE L. Blackbirds have been a menace to corn production since 1860. Ohio Farm and Home Research 44(316):3, 15. Jan.-Feb. 1959.
7956. GOUGH, H. C. Grazing of winter corn by the rabbit (Oryctolagus cuniculus L.). Annals of Applied Biology 43(4):720-734. Dec. 1955.
7957. HAYNE, D. W. The relation between number of ears opened and the amount of grain taken by redwings in cornfields. Journal of Agricultural Research 72(8):289-295. April 15, 1946.
7958. MITCHELL, ROBERT T. & LINEHAN, JOHN T. Protecting corn from blackbirds. U. S. Department of the Interior. Fish and Wildlife Service Wildlife Leaflet 385. 1957?
7959. RALEIGH, S. M. & PATTERSON, R. E. Rodent injury on 2,4-D pre-emergence-treated corn. American Society of Agronomy. Journal 40(5):472-473. May 1948.
7960. SCHEFFER, THEODORE H. Treating seed-corn to protect it from burrowing animals. Kansas Agricultural Experiment Station Circular no. 1. 1909. 4 p.
7961. WELCH, JACK F. & GRAHAM, MILLARD. Rodent repellent studies with "Arasan"-treated seed corn. Plant Disease Reporter 36(2):57-59. Feb. 15, 1952.
7962. WHITNEY, N. J. Ear rots in hybrid corn in Essex County, Ontario, in relation to damage by birds. Plant Disease Reporter 38(6):384-387. June 15, 1954.

Acarina
(Red Spider - Arana roja)

7963. McGREGOR, E. A. & ORTEGA C., ALEJANDRO. Una nueva arana roja de Mexico, Paratetranychus mexicanus sp. nov. Mexico, Secretaria de Agricultura y Ganaderia, Oficina de Estudios Especiales, Folleto Tecnico no. 10. 1953. 7 p.
English summary.
7964. MORRIS, V. H., NEISWANDER, C. R. & SAYRE, J. D. Toxicity of selenium-containing plants as a means of control for red spiders. Plant Physiology 16(1):197-202. Jan. 1941.
7965. ORTEGA C., ALEJANDRO, BOUSH, G. MALLORY & BARNES, DOUGLAS. La arana roja del maiz (Paratetranychus stickneyi McG.) un estudio de su biologia y combate en Jaloxtoc, Morelos. Mexico, Secretaria de Agricultura y Ganaderia, Oficina de Estudios Especiales, Folleto Tecnico no. 21. 1957. 28 p.
7966. WALTER, E. V. & WENE, GEORGE P. Oligonychus pratensis, a new mite on corn. Journal of Economic Entomology 49(2):265-266. April 1956.

Nematodes
(Nematodos)

7967. CHRISTIE, J. R., BROOKS, A. N. & PERRY, V. G. The sting nematode, Belonolaimus gracilis, a parasite of major importance on strawberries, celery, and sweet corn in Florida. Phytopathology 42(4):173-176. April 1952.

7968. COLEMAN, C. H. Small nematode in Ontario corn fields credited with opening way for stalk rot. What's New in Crops & Soils 6(2):21. Nov. 1953.
7969. CORN PLANTS stunted by nematodes. What's New in Crops & Soils 3(8):29. June-July 1951.
7970. FERRIS, J. M. & MAI, W. F. The stimulation of larval emigration by root diffusates of several host and non-host plants of the golden nematode, Heterodera rostochiensis Wollenweber. (Abstract) Phytopathology 45(3):184. Mar. 1955.
7971. GRAHAM, T. W. Nematode root rot of tobacco and other plants. South Carolina Agricultural Experiment Station Bulletin 390. 1951. 25 p.
7972. JENKINS, W. R., TAYLOR, D. P. & ROHDE, R. A. A preliminary report of nematodes found on corn, tobacco, and soybean in Maryland. Plant Disease Reporter 40(1):37-38. Jan. 15, 1956.
7973. MAI, W. F. & LOWNSBERY, B. F. Crop rotation in relation to the golden nematode population of the soil. Phytopathology 42(7):345-347. July 1952.
7974. MILLER, PAUL R. Plant disease situation in the United States. FAO Plant Protection Bulletin 4(10):152-156. July 1956.
Tambien en espanol bajo el titulo "Las enfermedades de las plantas en los Estados Unidos", en: FAO Boletin Fitosanitario 4(10):152-156. Julio 1956.
7975. NELSON, R. R. Nematode parasites of corn in the Coastal Plain of North Carolina. (Abstract) Plant Disease Reporter 39(11):818-819. Nov. 15, 1955.
Meloidogyne spp., Belonolaimus gracilis.
7976. OAKES, J. Y. & OTHERS. A preliminary report on soil fumigation for control of parasitic nematodes on corn at Curtis, Louisiana. Plant Disease Reporter 40(10):853-854. Oct. 15, 1956.
7977. PERRY, VERNON G. Nematodes affecting corn in Florida, Alabama, Maryland, and Wisconsin. (Abstract) Phytopathology 46(1):23. Jan. 1956.

7978. STEINER, G. Meadow nematodes as the cause of root destruction. *Phytopathology* 35(11):935-937. Nov. 1945.
7979. _____ Tylenchus pratensis and various other nemas attacking plants. *Journal of Agricultural Research* 35(11): 961-981. Dec. 1, 1927.
7980. YOUNG, P. A. Damage caused by meadow nematodes to corn in east Texas. *Plant Disease Reporter* 37(12):599-600. Dec. 15, 1953.

Insects of Stored Grain
(Insectos daninos de Granos Almacenados)

7981. BACK, E. A. Conserving corn from weevils in the Gulf coast states. U. S. Department of Agriculture Farmers' Bulletin no. 1029, rev. 1931. 30 p.
7982. _____ & COTTON, R. T. Control of insect pests in stored grain. U. S. Department of Agriculture Farmers' Bulletin no. 1483, rev. 1929. 30 p.
7983. _____ & COTTON, R. T. The granary weevil. U. S. Department of Agriculture Department Bulletin no. 1393. 1926. 36 p.
 Sitophilus granarius L.
7984. BARNES, DOUGLAS & QUINTANA, RODOLFO. Medidas para combatir insectos y roedores que atacan los granos almacenados. Vida Rural en Mexico 1(1):34-35. Feb. 1958.
7985. BECKLEY, V. A. Protection of grain against weevils. East African Agricultural Journal 14(2):71-76. Oct. 1948.
7986. CALDWELL, N. E. H. Stored products pests. Queensland Agricultural Journal 64(5):265-287. May 1947.
7987. CARTWRIGHT, OSCAR L. The rice weevil and associated insects in relation to shuck lengths and corn varieties. South Carolina Agricultural Experiment Station Bulletin 266. 1930. 28 p.
7988. CEVALLOS, MIGUEL A. Control de gorgojos del maiz almacenado en la hacienda. En Asamblea Latinoamericana de Fitoparasitologia, 1a, Mexico, D. F., 1950. Trabajos presentados. Mexico, Secretaria de Agricultura y Ganaderia, Oficina de Estudios Especiales, Folleto Miscelaneo no. 4. Oct. 1951. pp. 21-26.
7989. _____ Empleo del metoxicloro contra plagas del maiz almacenado. Ciencia y Naturaleza (Ecuador) 1(1):12-13. Junio 1957.

7990. CEVALLOS, MIGUEL A. Metoxicloro contra plagas en maiz almacenado. (Compendio) En Reunion Interamericana de Fitogenetistas, Fitopatologos, Entomologos y Edafologos, 3a, Bogota, Colombia, 1955. Bogota, Colombia, Ministerio de Agricultura, Oficina de Investigaciones Especiales, 1958. pp. 270-271.
7991. CHAPMAN, HAROLD C. & SCHMITT, JOHN B. Controlling insects in stored grain. Agricultural Leaders' Digest 39(8):15. Sept. 1958.
7992. CHITTENDEN, F. H. The pink corn-worm: an insect destructive to corn in the crib. U. S. Department of Agriculture Bulletin no. 363. 1916. 20 p.
Batrachedra rileyi Wals.
7993. COCKBILL, G. F. Investigations on the control of insect pests of stored grains and pulses. Rhodesia Agricultural Journal 50(4):294-323. July-Aug. 1953.
Maize, pp. 295-315.
7994. THE CONTROL of stored-grain insects. Farming in South Africa 24(281):350-354. Aug. 1949.
7995. CONTROLLING weevils in corn. Georgia (Coastal Plain) Agricultural Experiment Station Mimeograph Paper no. 43. 1945. 2 p.
7996. COTTON, RICHARD T. Broad-nosed grain weevil. U. S. Department of Agriculture Bulletin no. 1085. 1922. 10 p.
Caulophilus latinasus Say.
7997. Control of insects attacking grain in farm storage. U. S. Department of Agriculture Farmers' Bulletin no. 1811. 1938. 14 p.
7998. Four Rhynchophora attacking corn in storage. Journal of Agricultural Research 20(8):605-614. Jan. 15, 1921.
7999. Protection of stored and dried processed foods and seed supplies from insect attack. Journal of Economic Entomology 37(3):380-384. June 1944.
8000. & ASHBY, WALLACE. Insect pests of stored grains and seed. In U. S. Department of Agriculture. Insects, the yearbook of agriculture, 1952. Washington, D. C., U. S. Government Printing Office, 1952. pp. 629-639.

8001. COTTON, RICHARD T. & FRANKENFELD, J. C. Dust for use against stored grain insects. Down to Earth 3(1):9-11. Summer 1947.
8002. _____ & WAGNER, G. B. Control of insect pests of grain in elevator storage. U. S. Department of Agriculture Farmers' Bulletin no. 1880. 1941. 22 p.
8003. DE, R. K. & KULASH, WALTER M. Can we outgrow weevily corn? North Carolina Research and Farming 17(2).15. Aug. 1958.
Sitophilus oryza (L.)
8004. DEAN, GEORGE A. Insects destructive to grain and grain products stored in bins and granaries. Kansas Agricultural Experiment Station Circular no. 47. 1915. 4 p.
8005. _____ Methods of controlling mill and stored-grain insects, together with the habits and life histories of the common infesting species. Kansas Agricultural Experiment Station Bulletin no. 189:139-236. 1913.
8006. DELGADO M., NELSON & HERNANDEZ LUNA, ROGELIO. Control del gorgojo de la semilla del maiz (Prostephanus truncatus (Horn)). En Asamblea Latinoamericana de Fitoparasitologia, 1a, Mexico, D. F., 1950. Trabajos presentados. Mexico, Secretaria de Agricultura y Ganaderia, Oficina de Estudios Especiales, Folleto Miscelaneo no. 4. 1951. pp. 26-29.
8007. EDEN, W. G. Control of corn earworm and stored grain insects in a single-cross corn. Journal of Economic Entomology 47(6):1124-1126. Dec. 1954.
8008. _____ Effect of husk cover of corn on rice weevil damage in Alabama. Journal of Economic Entomology 45(3):543-544. June 1952.
8009. _____ Effects of kernel characteristics and components of husk cover on rice weevil damage to corn. Journal of Economic Entomology 45(6):1084-1085. Dec. 1952.
8010. EDWARDS, W. H. Control of pests affecting grain in storage. Jamaica Department of Agriculture Circular no. 27. 1949. 7 p.

8011. FARRAR, M. D. How to stop weevil damage in stored grain. Illinois Agricultural Experiment Station Circular 489. 1939. 8 p.
8012. _____ & FLINT, W. P. Control of insects in fourteen thousand corn bins. Journal of Economic Entomology 35(5):615-619. Oct. 1942.
8013. _____ & FLINT, W. P. How to recognize some common insect enemies of stored grain. Illinois Agricultural Experiment Station Circular 497. 1939. 8 p.
8014. _____ & REED, R. H. Insect survival in drying grain. Journal of Economic Entomology 35(6):923-928. Dec. 1942.
8015. _____ & WRIGHT, J. M. Insect damage and germination of seed treated with DDT. Journal of Economic Entomology 39(4):520-522. Aug. 1946.
8016. _____, WINBURN, T. F. & FLINT, W. P. How to know and control stored-grain insects. Illinois College of Agriculture Extension Service Circular 512. 1941. 16 p.
8017. FLINT, WESLEY P. How to stop "weevil" damage in stored grain. Illinois Agricultural Experiment Station Circular 380. 1931. 4 p.
8018. _____ & MOHR, C. O. New protection against stored-grain insects. Illinois Agricultural Experiment Station Bulletin no. 359:375-388. 1930.
8019. FLOYD, E. H. & NEWSOM, L. D. Protection of stored corn with lindane-impregnated sawdust. Journal of Economic Entomology 49(6):753-757. Dec. 1956.
8020. _____ & SMITH, C. E. Pyrethrum and lindane in the protection of corn and rough rice from stored grain insects. Journal of Economic Entomology 46(5):771-774. Oct. 1953.
8021. GATES, DELL E., WHITEHAIR, NORMAN V. & ENIX, JAMES R. Stored grain insects and the clean grain program. Kansas State College Extension Service L-30. 1957. (folded leaflet).

8022. GEE, WILSON P. The corn weevil (Calandra oryza Linn.).
South Carolina Agricultural Experiment Station Bulletin
no. 170. 1912. 21 p.
8023. GERBERG, EUGENE J. & GOLDHEIM, S. L. Weight loss in stored
corn and beans caused by insect feeding. Journal of
Economic Entomology 50(4):391-393. Aug. 1957.
8024. GERMEK, EMILIO. O "Gesarol P" no controle de insetos
prejudiciais as sementes de milho armazenadas.
Bragantia 7(7-8):179-193. Julio-Agosto 1947.
8025. GIRAULT, A. A. Insects injurious to stored grains and their
ground products. Illinois Agricultural Experiment
Station Bulletin no. 156:65-92. 1912.
8026. GOODWIN, W. H. Carbon bisulphid and its use for grain
fumigation. Ohio Agricultural Experiment Station
Monthly Bulletin 1(3):86-90. Mar. 1916.
8027. _____ Grain-bin sanitation; insect injuries to stored
cereals prevented by cleaning bins. Ohio Agricultural
Experiment Station Monthly Bulletin 2(7):223-224.
July 1917.
8028. GOULD, GEORGE E. Insect-problems in corn processing plants.
Journal of Economic Entomology 41(5):774-778. Oct.
1948.
8029. GRAHAM, W. M. & KOCKUM, S. Protection of bagged maize with
lindane and DDT. Tropical Agriculture (Trinidad)
35(4):292-298. Oct. 1958.
8030. GRAY, H. E. Protecting Canada's stored grain by chemical
controls. Agricultural Chemicals 3(9):36-37, 39, 59;
(10):37-39, 69. Sept., 1948.
8031. GROSSMAN, EDGAR F. Heat treatment for controlling the insect
pests of stored corn. Florida Agricultural Experiment
Station Bulletin 239. 1931. 24 p.
8032. GUNDERSON, HAROLD & DECKER, G. C. Are bugs in your corn?
Insects are causing some of the mold in stored shelled
corn. Iowa Farm Science Reporter 2(1):3-5, 16. Jan.
1941.
8033. HAMNER, A. L. Dusts for protecting seed corn from insects.
Journal of Economic Entomology 40(4):574-575. Aug.
1947.

8034. HAMNER, A. L. Line cribs and fumigate corn for weevil control. Mississippi Farm Research 8(7):7. July 1945.
8035. Protection of seed corn practical by use of fumigants. Mississippi Farm Research 10(9):8. Sept. 1947.
8036. Test methods of treating seed corn. Mississippi Farm Research 12(10):1. Oct. 1949.
8037. & ASHLEY, T. E. Insecticides for weevil control in stored corn. Mississippi Farm Research 17(3):4. Mar. 1954.
8038. HASEMAN, LEONARD. Combating stored grain pests. Missouri Agricultural Experiment Station Circular 229. 1942. 4 p.
8039. HEADLEE, THOMAS J. The angoumois grain moth. New Jersey Agricultural Experiment Station Circular 92. 1917. 4 p.
8040. HERBRUGER, ALFREDO. Nuevo insecticida para graneros. Revista Agricola (Guatemala) 13(1):18-21. Enero 1935.
8041. HINDS, W. E. Reducing insect injury to stored corn. Alabama Agricultural Experiment Station Bulletin no. 176:51-68. 1914.
8042. HOFMASTER, R. N. & NUGENT, T. J. Insecticide-fungicide seed treatments for control of seed-corn maggot and seed decay organisms. Virginia Truck Experiment Station Bulletin 116. 1956. 31 p.
8043. INSECT PESTS of farm stored grain. Washington State College Extension Service PNW Bulletin no. 15. 1956. 11 p.
8044. ISELY, DWIGHT. Relation of crib type to weevil injury to corn. Journal of Economic Entomology 40(3):438-439. June 1947.
8045. JEWETT, H. H. & PRICE, W. A. Protecting stored corn from grain insects by bags impregnated with DDT. Kentucky Agricultural Experiment Station Bulletin 571. 1951. 8 p.

8046. KOCKUM, S. Protection of cob maize stored in cribs.
East African Agricultural Journal 19(2):69-73.
Oct. 1953.
8047. KULASH, WALTER M. Rice weevil, grain moths damage farm-
stored seeds. North Carolina Research & Farming
6(1):5, 15. Oct. 1947.
8048. _____ Save stored grain from insect pests. North
Carolina Agricultural Experiment Station Bulletin 389.
1954. 23 p.
8049. _____ Slurry treatment for the control of stored corn
insect pests. Journal of Economic Entomology 46(6):
1029-1034. Dec. 1953.
8050. KYLE, C. H. How to reduce weevil waste in southern corn.
U. S. Department of Agriculture Farmers' Bulletin no.
915, 1918. 7 p.
8051. _____ Shuck protection for ear corn. U. S. Department
of Agriculture Bulletin no. 708. 1918. 16 p.
8052. LA HUE, W., WOMACK, HERBERT & CLEMENTS, B. W. Treatments
for the protection of stored southern-grown corn from
rice weevil attack — exploratory tests. U. S.
Department of Agriculture Marketing Research Report
no. 272. 1958. 20 p.
Sitophilus oryza
8053. LEPAGE, H. S. Defesa dos graos alimenticios armazenados
contra insetos nocivos. Sao Paulo, Brasil,
Secretaria da Agricultura, Industria e Comercio do
Estado de Sao Paulo, Diretoria de Publicidade
Agricola, 1943. 47 p.
Maiz, pp. 5-14.
8054. LePELLEY, R. & KOCKUM, S. Experiments in the use of
insecticides for the protection of grain in storage.
Bulletin of Entomological Research 45(2):295-311.
June 1954.
8055. LINDGREN, D. L., KROHNE, H. E. & VINCENT, L. E. Malathion
and chlorthion for control of insects infesting
stored grain. Journal of Economic Entomology 47(4):
705-706. Aug. 1954.

8056. LIPKE, H. & FRAENKEL, G. The toxicity of corn germ to the meal worm, Tenebrio molitor. Journal of Nutrition 55(1):165-178. Jan. 10, 1955.
8057. LOMAX, JACK W. Stored grain insect control. Nebraska College of Agriculture Extension Service Circular no. 1552. 1948. 4 p.
8058. MENDES, LUIZ O. T. Sobre a ocorrência de Palorus subdepressus Woll. no Brasil. Bragantia 13(nota no. 8):xxi-xxii. Set. 1954.
Summary in English
8059. MICHELBACHER, A. E. & SWIFT, JOHN E. Farm stored grain protection; moisture content and temperature of stored grain important in prevention of infestation by pests. California Agriculture 8(9):6. Sept. 1954.
8060. MOORE, STEVE & PETTY, H. B. Protect your stored grain from insects. Illinois College of Agriculture Extension Service Circular 745. 1955. (folded leaflet)
8061. OSMUN, JOHN V. Protection of stored shelled corn with a protectant dust in Indiana. Journal of Economic Entomology 47(3):462-465. June 1954.
8062. PATCH, L. H. The infestation of corn ears by the European corn borer, and cribbed corn as an auxiliary source of infestation. U. S. Department of Agriculture Circular no. 275. 1933. 8 p.
8063. PETTY, H. B. & MOORE, STEVENSON. Protect your stored grain from insects. Illinois College of Agriculture Extension Service Circular 723. 1954. 4 p.
8064. PLANK, H. K. The control of storage insects in corn seed. Journal of Economic Entomology 39(3):314-319. June 1946.
8065. POLIVKA, J. B. & HERR, E. A. The behavior of the corn borer in stored corn. Ohio Agricultural Experiment Station Bimonthly Bulletin no. 138:103-105. May-June 1929.
8066. POPENOE, E. A. Grain weevils. Kansas Agricultural Experiment Station Bulletin no. 119:46-47. 1903.
8067. POSADA OCHOA, LAZARO. Efectividad de cuatro insecticidas en la protección de granos de maíz almacenado contra los "gorgojos" (Sitophilus oryzae L.). Acta Agronómica (Colombia) 5(1):29-50. Enero 1955.

8068. POST, RICHARD LEWIS. Protecting binned grain; research by this Station studies protectorants against insect infestations. North Dakota Agricultural Experiment Station Bimonthly Bulletin 14(1):25-26. Sept.-Oct. 1951.
8069. _____ Stored grain pests. North Dakota Agricultural Experiment Station Bimonthly Bulletin 11(2):55-56. Nov.-Dec. 1948.
8070. PRUTHI, HEM SINGH & SINGH, MOHAN. Pests of stored grain and their control. 3d rev. ed. Delhi, Indian Council of Agricultural Research, Manager of Publications, 1950. 88 p. Maize, pp. 3, 42, 53.
8071. QUAIANCE, A. L. Insects injurious to stored grain and cereal products. Florida Agricultural Experiment Station Bulletin no. 36:355-385. 1896.
8072. QUINLAN, JAMES K. & MILLER, ROBERT F. Evaluation of synergized pyrethrum for the control of Indian-meal moth in stored shelled corn. U. S. Department of Agriculture Marketing Research Report no. 222. 1958. 13 p.
8073. QUINTANA R., R. & BARNES, D. Fumigacion de los granos almacenados; el acrilo-nitrilo mas tetracloruro de carbono y el bisulfuro de carbono mas tetracloruro de carbono. Agricultura Tecnica en Mexico no. 6:15-16, 46. Verano 1958.
8074. RAMIREZ GENEL, MARCOS & BARNES, D. Los insectos y sus danos a los granos almacenados. Mexico, Secretaria de Agricultura y Ganaderia, Oficina de Estudios Especiales, Folleto Miscelaneo no. 6. 1958. 39 p.
English summary.
8075. _____, BARNES, D. & QUINTANA R., RODOLFO. Proteja sus granos almacenados! Hacienda 54(6):46-48. Junio 1959.
8076. RAYMOND, W. D., SPICKETT, R. G. & WARD, J. B. The estimation of insect fragments in maize. Colonial Plant and Animal Products 4(4):334-348. 1954.
8077. RESTREPO, LUIS E. & RUPPEL, ROBERT F. La efectividad residual de insecticidas en polvo en la proteccion de maiz y frijol almacenados. Agricultura Tropical (Colombia) 14(1):47-50. Enero 1958.

8078. RICHARDSON, CHARLES H. Efficiency of carbon tetrachloride, ethylene dichloride and certain other fumigants in shelled corn. *Journal of Economic Entomology* 39(5): 598-607. Oct. 1946.
8079. _____ Fumigants for the cadelle in shelled corn. *Journal of Economic Entomology* 38(4): 478-481. Aug. 1945.
8080. _____ & WALKDEN, H. H. B-methylallyl chloride as a fumigant for insects infesting stored corn. *Journal of Economic Entomology* 38(4): 471-477. Aug. 1945.
8081. RODDA, JOHN. Protection of stored grain. *Agricultural Chemicals* 8(6): 39-41, 161, 163. June 1953.
8082. ROWE, V. K., HOLLINGSWORTH, R. L. & McCOLLISTER, D. D. Pesticide toxicity; toxicity study of a grain fumigant (Dowfume EB-5). *Journal of Agricultural and Food Chemistry* 2(26): 1318-1323. Dec. 22, 1954.
8083. SCHROEDER, H. O. Some factors in influencing the effectiveness of piperonyl butoxide-pyrethrins combinations for the control of insects in stored grains. *Journal of Economic Entomology* 48(1): 25-27. Feb. 1955.
8084. SCHWARDT, H. H. Borax as an insecticide for protecting seed. *Journal of Economic Entomology* 23(2): 401-404. April 1930.
8085. _____ Control of insects in farm granaries. New York (Cornell) College of Agriculture Extension Service Bulletin 562. 1943. 4 p.
8086. SHEPARD, HAROLD H. Insects infesting stored grain and seeds. Minnesota Agricultural Experiment Station Bulletin no. 340. 1939. 30 p.
8087. SIVIK, FRANK P. & KULASH, WALTER M. Treated cloth bags to control the rice weevil in corn. *Journal of Economic Entomology* 49(1): 64-65. Feb. 1956.
8088. SMITH, R. I. Corn weevils and other grain insects. North Carolina Agricultural Experiment Station Bulletin 203. 1909. 27 p.

8089. STANTON, H. RUSSELL. Bugs destroy one-fifth of grain in some N. J. farm storages. New Jersey Agriculture 37(5):12-14. Sept.-Oct. 1955.
8090. STEEDMAN, J. M. Insects injurious to stored grain. Alabama Agricultural Experiment Station Bulletin no. 61:33-60. 1895.
8091. STEINHAUS, EDWARD A. & BELL, C. RITCHIE. The effect of certain microorganisms and antibiotics on stored-grain insects. Journal of Economic Entomology 46(4):582-598. Aug. 1953.
8092. SWENK, M. H. Insect pests of stored grains and their control. Nebraska Agricultural Experiment Station Circular 15, rev. 1922. 14 p.
8093. TORRES, JULIO DI PARAVICINI. Insetos do milho armazenado. Sítios e Fazendas 17(6):15-16. Junho 1951.
8094. U. S. DEPARTMENT OF AGRICULTURE. DIVISION OF STORED PRODUCT INSECT INVESTIGATIONS. Stored-grain pests. U. S. Department of Agriculture Farmers' Bulletin no. 1260, rev. 1955. 46 p.
8095. VEITCH, ROBERT. Rice weevil in maize. Queensland Agricultural Journal 42(3):328-331. Sept. 1934.
8096. VIADO, G. B. & LABADAN, R. M. DDT treatment of sack containers for the control of storage insects of corn. Philippine Agriculturist 41(3):450-459. Jan. 1958.
8097. WALKDEN, H. H. & NELSON, HOWARD D. Evaluation of methoxychlor for the protection of stored wheat and shelled corn from insect attack. U. S. Department of Agriculture Marketing Research Report no. 213. 1958. 25 p.
8098. _____ & NELSON, H. D. Evaluation of ryania for the protection of stored wheat and shelled corn from insect attack. U. S. Department of Agriculture Marketing Research Report no. 245. 1958. 21 p.
8099. _____ & NELSON, H. D. Evaluation of synergized pyrethrum for the protection of stored wheat and shelled corn from insect attack. U. S. Department of Agriculture Marketing Research Report no. 322. 1959. 48 p.

8100. WALKDEN, H. H. & SCHWITZGEBEL, R. B. Evaluation of fumigants for control of insects attacking wheat and corn in steel bins. U. S. Department of Agriculture Technical Bulletin no. 1045. 1951. 20 p.
8101. _____, WILBUR, D. A. & GUNDERSON, HAROLD. Control of stored grain insects in the North Central States. Minnesota Agricultural Experiment Station Bulletin 425. 1954. 23 p. (North Central Regional Publication no. 49)
8102. WARREN, LLOYD. Behavior of angoumois grain moth on several strains of corn at two moisture levels. Journal of Economic Entomology 49(3):316-319. June 1956.
8103. WHITNEY, W. KEITH, JANTZ, ORLO K. & BULGER, CARL S. Effects of methyl bromide fumigation on the viability of barley, corn, grain sorghum, oats, and wheat seeds. Journal of Economic Entomology 51(6):847-861. Dec. 1958.
8104. YGLESIAS, B. R. Insectos que atacan el maiz y otros granos en la troje. San Jose, C. R., Departamento de Agricultura, Boletin 1(4):122-125. Agosto 1923.
8105. YOUNG, H. D. Effect of various fumigants on the germination of seeds. Journal of Agricultural Research 39(12):925-927. Dec. 15, 1929.
Corn, pp. 926-927.
8106. YUST, H. R. Control de insectos en granos almacenados. Labor del SCIA (Ecuador) 1(1):14-15. Oct. 1955.

VARIETIES
(VARIEDADES)

8107. ABBOTT, GAIL T. Varieties of corn in Ohio. Ohio Agricultural Experiment Station Circular no. 117:23-67. 1911.
8108. ANDERSON, EDGAR. A variety of maize from the Rio Loa. Missouri Botanical Garden. Annals 30:469-474. 1943.
8109. AROSEMENA, RUBEN D. & CAVINESS, CHARLES E. Prueba de variedades de maiz. Panama, Instituto Nacional de Agricultura, Servicio Nacional de Investigacion Agricola, Folleto no. 11. 1954? 12 p. (mimeografiado)
8110. ARGENTINA. DIRECCION DE ESTACIONES EXPERIMENTALES. Descripcion de las principales variedades de trigo, avena, cebada, centeno, lino y maiz cultivadas en la Republica Argentina. Pergamino, 1945. 262 p. (Publicacion no. 20)
8111. AYRES, W. E. Corn variety tests, 1913 to 1920, Delta Branch Station. Mississippi Agricultural Experiment Station Bulletin no. 198. 1921. 7 p.
8112. BASCIALLI, PABLO C. Caracteristicas agricolas de las variedades comerciales del maiz. Campo y Suelo Argentino 32(378):38, 40. Abril 1948.
8113. BELL, R. S. & ODLAND, T. E. Corn varieties in Rhode Island. Rhode Island Agricultural Experiment Station Bulletin 306. 1949. 24 p.
8114. BELTRAN, DAVID REYNOSO. Clinica del maiz. Tierra (Mexico) 2(7):436-437; (10):619-621. Julio, Oct. 1947.
Descripcion de una variedad de maiz de Mexico "sintetico 22".
8115. BLACKWELL, C. P., COLLINGS, GILBEART, H. & ROGERS, W. B. Variety tests with corn, 1917-1920. South Carolina Agricultural Experiment Station Bulletin 207. 1921. 19 p.

8116. BOCALEGRA SALAZAR, SANTIAGO. Comparativo de hibridos y variedades de maiz en la Costa Central del Peru. Agronomia (Peru) 17(70):72-75. Julio 1952. Tambien en: Peru. Direccion General de Agricultura, Boletin no. 3-4:4-10. 1952.
8117. _____ Produccion de hibridos y variedades sinteticas de maiz amarillo para la Costa Central del Peru. Peru, Centro Nacional de Investigacion y Experimentacion Agricola "La Molina", Boletin no. 38. 1950. 5 p.
8118. BOWERS, JOHN L. Aristogold Bantam no. 3 and Tristate sweet corn lead State College tests. Mississippi Farm Research 8(9):6, 8. Sept. 1945.
8119. _____ Tristate leads in performance test of 21 sweet corn hybrids at State College. Mississippi Farm Research 9(9): 1-2. Sept. 1946.
8120. _____ & OTHERS. Sweet corn variety testing in Mississippi. American Society for Horticultural Science. Proceedings 50:368-372. 1947.
8121. _____ & OTHERS. Sweet corn variety testing program in Mississippi. Mississippi Agricultural Experiment Station Circular 142. 1948. 8 p.
8122. BRIEGER, F. G. L'origin du maïs et les variétés indigènes au Brésil. Revue de Botanique Appliquée & d'Agriculture Tropicale 29(325-326):621-626. Nov.-Dec. 1949.
8123. BRIGGS, GLEN. Guam corn. American Society of Agronomy. Journal 12(5):149-157. May 1920.
8124. BROOKS, JAMES S. & OTHERS. Oklahoma 301; a new hybrid corn for Oklahoma. Oklahoma Agricultural Experiment Station Bulletin no. B-390. 1953. 6 p.
8125. BROWN, H. B. Louisiana corn varieties. Louisiana Agricultural Experiment Station Bulletin no. 210. 1930. 20 p.
8126. BROWN, WILLIAM L., ANDERSON, E. G. & TUCHAWENA, ROY. Observations on three varieties of Hopi maize. American Journal of Botany 39(8):597-609. Oct. 1952.

8127. BRYAN, W. W., MARRIOTT, S. & SCHINDLER, A. J. Maize varieties for the Lockyer Valley. II. Queensland Agricultural Journal 55(3):193-202. Mar. 1941.
8128. CASSALETT D., CLIMACO. Mejoramiento de maiz en Monteria. En Reunion Centroamericana sobre el Mejoramiento del Maiz, 1a, Turrialba, C. R., 1954. Proyecto Cooperativo Centroamericano. Turrialba, C. R., Instituto Inter-americano de Ciencias Agricolas, 1954. pp. 267-269.
8129. CASTRO ZAPIEN, ROBERTO. Comparacion de variedades regionales para siembras de temporal y formacion de cruzas dobles especificas para las regiones maiceras del noroeste de Mexico. Chapingo (Mexico) 5(41):644-652. Abril-Mayo 1951.
8130. CAUTHEN, E. F. Late planted variety tests of corn. Alabama Agricultural Experiment Station Circular no. 41. 1919. 4 p.
8131. ————— Tests of varieties of corn at Auburn. Alabama Agricultural Experiment Station Bulletin no. 200:27-36. 1918.
8132. CLEMENTS, THOMAS E. Dwarf corn. What's New in Crops & Soils 10(3):18, 20. Dec. 1957.
8133. COLLINS, G. N. Tropical varieties of maize, great diversity of types of maize - most important food crop cultivated by natives of America at time of discovery - plant shows wide distribution. Journal of Heredity 9(4):147-154. April 1918.
8134. ————— Variety of maize with silks maturing before the tassels. U. S. Department of Agriculture, Bureau of Plant Industry Circular no. 101. 1913. 11 p.
8135. CORN HYBRIDS and varieties, 1958 tests in Mississippi. Mississippi Experiment Station Bulletin 874. 1959. 8 p.
8136. CULPEPPER, C. W. & MAGOON, C. A. Relation of kernel density to table and canning quality in different varieties of maize. U. S. Department of Agriculture Technical Bulletin no. 97. 1928. 15 p.

8137. CULPEPPER, C. W. & MAGOON, C. A. Studies upon the relative merits of sweet corn varieties for canning purposes and the relation of maturity of corn to the quality of the canned product. *Journal of Agricultural Research* 28(5):403-443. May 3, 1924.
8138. CUNNINGHAM, C. C. & WILSON, B. S. Varieties of corn in Kansas. *Kansas Agricultural Experiment Station Bulletin* no. 227. 1921. 40 p.
8139. CUTLER, HUGH C. Races of maize in South America. *Revista de Agricultura (Cochabamba, Bolivia)* 5(4):18-29; 6(5): 3-28. Nov. 1948, Mar. 1949.
Traducido del ingles por M. Cardenas.
8140. DECLARO, GONZALO D. & DURAN, VICENTE A. Comparative study on growth and yield of Cuban and Calamba yellow flint corn under A.I.A.* conditions. *Araneta Journal of Agriculture* 5(2):37-64. April-June 1958.
* Araneta Institute of Agriculture
8141. DEL VALLE, C. G. Metodos empleados en el desarrollo de una variedad nueva de maiz blanco en Cuba. *En Asamblea Latinoamericana de Fitogenetistas*, 1a, Mexico, D. F., 1949. Trabajos presentados. Mexico, Secretaria de Agricultura y Ganaderia, Oficina de Estudios Especiales, Folleto Miscelaneo no. 3. 1950. pp. 150-154.
8142. _____ & GATO, E. HIDALGO. Variedades cubanas: el maiz de Rosita. *Agrotecnica (Cuba)* 3(3):11-20. Junio-Julio 1949.
8143. DOSADO, VICENTE G. Performance and quality tests of glutinous strains of white flint corn. *Philippine Agriculturist* 39(8):483-491. Jan. 1956.
8144. DUNCAN, J. R. Three good corn varieties; summary of the reports of farmers on the improved corn varieties distributed in 1922. *Michigan Agricultural Experiment Station Quarterly Bulletin* 5(3):122-123. Feb. 1923.
8145. ECKHARDT, ROBERT C., DOUGLAS, W. A. & HAMNER, A. L. Tests of corn hybrids and varieties in Mississippi, 1946. *Mississippi Agricultural Experiment Station Bulletin* 441. 1947. 9 p.

8146. ECKHARDT, ROBERT C., DOUGLAS, W. A. & HAMNER, A. L. Yields of corn varieties at hill stations. Mississippi Farm Research 10(2):6, 7. Feb. 1947.
8147. ESPINOZA S., EZEQUIEL. Pruebas comparativas de variedades de maiz en Panama. En Reunion Centroamericana sobre el Mejoramiento del Maiz, 1a, Turrialba, C. R., 1954. Proyecto Cooperativo Centroamericano. Turrialba, C. R., Instituto Interamericano de Ciencias Agricolas, 1954. pp. 197-201.
8148. _____ & CAVINESS, CHARLES E. Resumen preliminar de las pruebas de variedades de maiz, 1952-1953. Panama, Instituto Nacional de Agricultura, Servicio de Investigacion Agricola, Boletin Tecnico no. 1. 1953. 15 p.
8149. ETCHECOPAR, JUAN A. & ILLIA, MARTIN C. Descripcion de las principales variedades de maiz cultivadas en la Argentina. Revista Argentina de Agronomia 11(3):175-194. Sept. 1944.
Tambien en: Argentina, Estacion Experimental de Pergamino, Publicacion no. 20:199-225. 1945.
English summary.
8150. FARISH, L. R. Varieties and fertilizers recommended for sweet corn production in Mississippi. Mississippi Farm Research 10(2):1, 2. Feb. 1947.
8151. FIELD CROP variety recommendations for Oregon. Oregon Agricultural Experiment Station Bulletin 476. 1950. 24 p.
8152. GENTER, C. F. & OTHERS. The 1947 official Virginia varietal tests of corn hybrids, barley, oats and wheat. Virginia Agricultural Experiment Station Bulletin 412. 1947. 19 p.
8153. GEORGIA AGRICULTURAL EXPERIMENT STATION. Variety performance trials of field crops, 1951, 1952, 1953. Athens, 1952-54.
8154. GHEORGHIANOV, VEACE SLAO. Ensayo comparativo de maices argentinos y uruguayos. En Argentina. Centro Regional Pampeano de Investigaciones Agropecuarias. Memoria de la Quinta Reunion de Maiz, 27 y 28 de julio de 1950 en la Estacion Experimental Pergamino. Pergamino, 1950. pp. 113-129.

8155. GOULD, WILBUR A. & OTHERS. Evaluation of yellow sweet corn varieties for processing. Ohio Agricultural Experiment Station Research Circular 19. 1953. 32 p.
8156. GREEN, JOHN M. Climatic races in Guatemalan maize. Iowa State College. Journal of Science 33(2):185-198. Nov. 1958.
8157. GRIEDER, AUGUSTO. Der einheimische mais zentralbrasiliens. Tropenpflanzer 36(6):250-255. Juni 1933.
A description of the indigenous maize varieties of Brazil.
8158. GROBMAN, ALEXANDER. Clasificacion preliminar de los maices peruanos. (Compendio) En Reunion Interamericana de Fitogenetistas, Fitopatologos, Entomolegos y Edafologos, 3a, Bogota, Colombia, 1955. Bogota, Colombia, Ministerio de Agricultura, Oficina de Investigaciones Especiales, 1958. pp. 95-96.
8159. GUTIERREZ GUTIERREZ, MARIO. Rendimiento y comportamiento agronomico de variedades de maiz probadas en 1953 y 1954 en el Instituto Interamericano de Ciencias Agricolas, Turrialba, Costa Rica, C. A. En Reunion Centroamericana sobre el Mejoramiento del Maiz, 1a, Turrialba, C. R., 1954. Proyecto Cooperativo Centroamericano. Turrialba, C. R., Instituto Interamericano de Ciencias Agricolas, 1954. pp. 233-241.
8160. HANGER, W. E. Tests of varieties of corn. Maryland Agricultural Experiment Station Bulletin no. 190:181-202. 1915.
8161. HARRIS, FRANK S. & HOGENSON, J. C. Variety tests of field crops in Utah. Utah Agricultural Experiment Station Bulletin no. 131:315-346. 1914.
8162. HATHEWAY, WILLIAM H. Races of maize in Cuba. Washington, D. C., National Academy of Sciences, National Research Council, 1957. 75 p. (Publication 453)
8163. HERNANDEZ XOLOCOTZI, EFRAIN. El genero Tripsacum en Mexico. En Asamblea Latinoamericana de Fitogenetistas, 1a, Mexico, D. F., 1949. Trabajos presentados. Mexico, Secretaria de Agricultura y Ganaderia, Oficina de Estudios Especiales, Folleto Miscelaneo no. 3. 1950. pp. 29-36.

8164. HITCHCOCK, A. S. The races of corn. Kansas Agricultural Experiment Station Bulletin no. 119:8-9. 1903.
8165. HUGHES, H. D. Silver King - a corn for northern Iowa. Iowa Agricultural Experiment Station Bulletin no. 138:73-95. 1913.
8166. _____, ROBINSON, JOE L. & BRYAN, A. A. High yielding strains and varieties of corn for Iowa. Iowa Agricultural Experiment Station Bulletin no. 265:1-80. 1929.
8167. HULL, FRED H., WARNER, J. D. & CARVER, W. A. Corn varieties and hybrids and corn improvement. Florida Agricultural Experiment Station Bulletin 355. 1941. 50 p.
8168. HUME, A. N. Varieties of corn for South Dakota. South Dakota Agricultural Experiment Station Bulletin no. 204:597-612. 1923.
8169. HUTCHISON, C. B. & OTHERS. Variety tests of corn. Missouri Agricultural Experiment Station Bulletin 143. 1916. 56 p.
8170. IMPROVED varieties of farm crops; crop varieties recommended by Minnesota Agricultural Experiment Station. Minnesota College of Agriculture Extension Service Folder 22, rev. 1954. 24 p. Corn, pp. 16-18.
8171. IOWA EXPERIMENTS with Guatemala corn. Seed World 64(5):60-61. Mar. 7, 1949.
8172. JODON, N. E. Cereal variety experiments at North Platte. Nebraska Agricultural Experiment Station Bulletin 272. 1932. 35 p. Corn, pp. 6-13.
8173. JOHNSON, I. J. & BRAGONIER, W. H. Recommended crop varieties for 1953. Iowa Farm Science 7(7):9-12. Jan. 1953. Corn, pp. 9, 10.
8174. JONES, DONALD F. & HUNTINGTON, ELLSWORTH. The adaptation of corn to climate. American Society of Agronomy. Journal 27(4):261-270. April 1935.

8175. JONES, DONALD F. & HUNTINGTON, ELLSWORTH. Further comments on adaptation of corn to climate. American Society of Agronomy. Journal 27(8):682-683. Aug. 1935.
8176. JOSEPHSON, L. M. & REID, DAVID A. Variety tests of wheat, oats, barley, and corn in the Pennyrail area of Kentucky, 1946-50. Kentucky Agricultural Experiment Station Bulletin 569. 1951. 31 p. Corn, pp. 14-31.
8177. KIMBROUGH, JAMES M. Variety test of corn and cotton, 1912. Georgia Agricultural Experiment Station Circular 68. 1912. 2 p.
8178. KULESHOV, N. N. Distribution geographique des varietes de maïs. Revue de Botanique Appliquee et d'Agriculture Tropicale 10(111):897-898. Nov. 1930.
8179. _____ World's diversity of phenotypes of maize. American Society of Agronomy. Journal 25(10):688-700. Oct. 1933.
8180. LANGHAM, D. G. Maiz dulce Venezuela-2, una nueva clase de maiz. Venezuela, Ministerio de Agricultura y Cria, Departamento de Genetica, Circular no. 3. 1942. 4 p.
8181. _____ Venezuela-1, una seleccion de maiz recomendable. Venezuela. Instituto Experimental de Agricultura y Zootecnia, Circular no. 2. 1942. 8 p.
8182. _____ & GORBEA, ORLANDO. Maiz blanco Venezuela-3, una seleccion de alto rendimiento. Venezuela, Ministerio de Agricultura y Cria, Departamento de Genetica, Circular no. 5. 1944. 3 p.
8183. LAUBSCHER, F. X. & OTHERS. Maize variety trials in the Highveld Region. Farming in South Africa 29(335):129-133, 143. Feb. 1954.
8184. LONNQUIST, JOHN H. The development and performance of synthetic varieties of corn. Agronomy Journal 41(4):153-156. April 1949.
8185. McCLELLAND, C. K. A comparison between Mexican June and three other varieties of corn for summer planting. American Society of Agronomy. Journal 28(10):799-806. Oct. 1936.

8186. McCLELLAND, C. K. Corn varieties in Arkansas. Arkansas Agricultural Experiment Station Bulletin no. 217. 1927. 53 p.
8187. _____ Variety work with corn and cotton. Georgia Agricultural Experiment Station Bulletin no. 113: 249-256. 1915. Corn, pp. 251-253.
8188. McMILLAN, J. R. A. & BRYAN, W. W. Maize varieties for the Lockyer Valley. Queensland Agricultural Journal 41(2):174-183. Feb. 1934.
8189. MANGELSDORF, P. C. Corn varieties in Texas; their regional and seasonal adaptation. Texas Agricultural Experiment Station Bulletin no. 397. 1929. 74 p.
8190. MARINO, ANTONIO E. & LUNA, JOSE T. La precocidad de las variedades comerciales de maices en Santa Fe. Revista Argentina de Agronomia 10(2):155-168. Junio 1943.
Publicado como folleto: Instituto Experimental de Investigacion y Fomento Agricola-Ganadero (Santa Fe, Argentina) Publicacion Tecnica no. 43:155-168. 1943.
8191. MARSTON, A. R. Corn varieties and planting dates are tested; trials made at Monroe to select sorts suitable for corn borer area. Michigan Agricultural Experiment Station Quarterly Bulletin 11(4):161-163. May 1929.
8192. MELHUS, IRVING E., WALLIN, J. R. & SEMENIUK, GEORGE. A summary of some of the maize researches in Guatemala. Iowa Agricultural Experiment Station Research Bulletin no. 371:539-570. 1949.
Resumen en espanol, pp. 567-570.
8193. _____ & OTHERS. Comparative development of some United States, Mexican and Central American corns at different latitudes and altitudes. (Abstract) American Journal of Botany 33(3):220-221. Mar. 1946.
8194. MERINO ARGUETA, JESUS. Pruebas de variedades y cruzas de maiz. En Reunion Centroamericana sobre Mejoramiento del Maiz, 1a, Turrialba, C. R., 1954. Proyecto Cooperativo Centroamericano. Turrialba, C. R., Instituto Interamericano de Ciencias Agricolas, 1954. pp. 243-246.

8195. MILLER, M. F. & HUGHES, H. D. Cooperative variety tests of corn, variety tests of corn at Columbia. Missouri Agricultural Experiment Station Bulletin no. 87:97-158. 1910.
8196. MIMEUR, GENEVIEVE. L'origine du maïs et les variétés indigènes au Brésil. Revue Internationale de Botanique Appliquée et d'Agriculture Tropicale 29(325-326):621-626. Nov.-Dec. 1949.
8197. MINNS, EDWARD R. Cooperative tests of corn varieties. New York (Cornell) Agricultural Experiment Station Bulletin no. 314: 393-410. 1912.
8198. MISSISSIPPI AGRICULTURAL EXPERIMENT STATION. Corn hybrids and varieties in Mississippi, 1948-1954 tests. In its Bulletins nos. 460:1-13; 468:1-15; 478:1-19; 487:1-15; 498:1-16; 510:1-18; 527:1-15. 1949-1955.
8199. MOOERS, C. A. The agronomic placement of varieties. American Society of Agronomy. Journal 13(9):337-352. Dec. 1921.
8200. _____ The influence of soil productivity on the order of yield in a varietal trial of corn. American Society of Agronomy. Journal 25(12):796-800. Dec. 1933.
Traducción aparece en: Perú, Compañía Administradora del Guano. Boletín 10(5):98-102. Mayo 1934.
8201. _____ Varieties of corn and their adaptability to different soils. Tennessee Agricultural Experiment Station Bulletin no. 126. 1922. 39 p.
8202. MOORE, E. L. Oto, Golden Security and Huron lead sweet corn varieties at State College. Mississippi Farm Research 14(3):1, 7. Mar. 1951.
8203. _____ Sixteen sweet corn varieties compared. Mississippi Farm Research 13(3):5, 8. Mar. 1950.
8204. MORALES HERNANDEZ, PAULINO. El maíz "Papaloapan 1" (variedad de polinización libre). Chapingo (Mexico) 10(62):58-62, 69. Mar.-Abril 1957.

8205. MURPHY, BURKE C. & MOORE, E. L. Tests compare ten varieties of sweet corn. Mississippi Farm Research 15(12):1, 7. Dec. 1952.
8206. MYERS, W. M. & OTHERS. Varietal trials of farm crops. Minnesota Agricultural Experiment Station Miscellaneous Report 18. 1953. 36 p. Corn, pp. 23-28.
8207. _____ & OTHERS. Varietal trials of farm crops. Minnesota Agricultural Experiment Station Miscellaneous Report 24, rev. 1955. 48 p. Corn, pp. 23-28.
8208. NEALE, ARTHUR T. & BECKWITH, M. H. Field experiments upon Indian corn, carried out at Dover and at Newark. Delaware Agricultural Experiment Station Bulletin no. 14:1-12. 1891.
8209. NICHOLSON, G. EDWARD. Los tipos de maiz peruano. Peru, Ministerio de Agricultura, Informaciones del SCIPA no. 20:31-33. Sept. 1950.
8210. NOLL, C. F. & IRVIN, C. J. Varieties of corn for central Pennsylvania. Pennsylvania Agricultural Experiment Station Bulletin 289. 1933. 12 p.
8211. OBREGON G., PEDRO. Variedades de maiz blanco "Sicarigua" y "Sicarigua mejorado". Agricultor Venezolano 22(203): 12-14. Oct. 1958.
8212. OLIVE, FLOYD R. & MERINO ARGUETA, J. Mejores variedades y practicas de cultivo del maiz para El Salvador. El Salvador, Centro Nacional de Agronomia, Boletin Tecnico no. 2. 1951. 24 p.
8213. OSBORN, L. W. Corn variety tests 1915 and 1916. Arkansas Agricultural Experiment Station Bulletin no. 130. 1917. 31 p.
8214. OWEN, C. R. Corn varieties in Mississippi. Mississippi Agricultural Experiment Station Bulletin no. 339. 1940. 20 p.
8215. PALACIOS, GILBERTO & OSLER, R. D. Variedades mejoradas de maiz para la Mesa Central. Mexico, Servicio de Extension Agricola, Oficina de Estudios Especiales, Boletin no. 412-1-6. 1956. 10 p.

8216. PLUMB, C. S. Test of corn varieties. Tennessee Agricultural Experiment Station Bulletin 3(2):3-7. 1890.
8217. POMAREDA V., JORGE. Seleccion de la variedad de maiz "Amarillo-Moquegua". Peru. Direccion General de Agricultura. Boletin no. 2:22-26. 4º trimestre. 1951.
8218. PRINCE, ALLAN B. Effects of nitrogen fertilization, plant spacing, and variety on the protein composition of corn. Agronomy Journal 46(4):185-186. April 1954.
8219. RAMELLA, RAUL. Comportamiento agricola de variedades de maiz en la Estacion Experimental de Alberdi. Granos (Argentina) 3(2):1-10. Feb. 1939.
8220. RESULTADO del empleo de variedades cubanas de maiz en otros paises latinoamericanos. Agrotecnia (Cuba) 2(6):392-393. Junio 1948.
8221. REYES CASTANEDA, PEDRO. Bosquejo del mejoramiento de maiz en los tropicos de Mexico. En Reunion Centroamericana sobre el Mejoramiento del Maiz, 1a, Turrialba, C. R., 1954. Proyecto Cooperativo Centroamericano. Turrialba, C. R., Instituto Interamericano de Ciencias Agricolas, 1954. pp. 254-267.
8222. REYNOLDS, E. B. Corn variety experiments, Substation no. 3, Angleton, Texas. Texas Agricultural Experiment Station Bulletin 276. 1921. 15 p.
8223. RIETZ, HENRY L. & SMITH, LOUIE H. On the measurement of correlation with special reference to some characters of Indian corn. Illinois Agricultural Experiment Station Bulletin no. 148:291-316. 1910.
8224. _____ & SMITH, LOUIE H. A statistical study of some indirect effects of certain selections in breeding Indian corn. Journal of Agricultural Research 11(4):105-146. Oct. 22, 1917.
8225. ROA, E. Una variedad cubana de maiz se esta sembrando en Peru y Bolivia con magnificos resultados. Agrotecnia (Cuba) 8:84-85. Sept.-Dic. 1953.

8226. ROBERTS, L. M. Las razas mexicanas de maiz utiles como material basico para su mejoramiento. En Asamblea Latinoamericana de Fitogenetistas, 1a, Mexico, D. F., 1949. Trabajos presentados. Mexico, Secretaria de Agricultura y Ganaderia, Oficina de Estudios Especiales, Folleto Miscelaneo no. 3. 1950. pp. 71-84.
8227. _____ & OTROS. Clasificacion de las razas de maiz en Colombia. (Compendio) En Reunion Interamericana de Fitogenetistas, Fitopatologos, Entomologos y Edafologos, 3a, Bogota, Colombia, 1955. Bogota, Colombia, Ministerio de Agricultura, Oficina de Investigaciones Especiales, 1958. pp. 107-108.
8228. _____ & OTROS. Razas de maiz en Colombia. Colombia, Ministerio de Agricultura, Departamento de Investigacion Agropecuario (D.I.A.), Boletin Tecnico no. 2. 1957. 159 p.
8229. _____ & OTROS. Resultados preliminares sobre produccion de dos variedades sinteticas. (Compendio) En Reunion Interamericana de Fitogenetistas, Fitopatologos, Entomologos y Edafologos, 3a, Bogota, Colombia, 1955. Bogota, Colombia, Ministerio de Agricultura, Oficina de Investigaciones Especiales, 1958. pp. 109-110.
8230. _____ & OTROS. Rocamex V-21 y Rocamex VS-101, nuevas variedades mejoradas de maiz de madurez precoz para la Mesa Central. Mexico, Secretaria de Agricultura y Ganaderia, Oficina de Estudios Especiales, Folleto Divulgacion no. 7. 1949. 23 p.
English summary.
8231. ROSBACO, URBANO F. El material del maiz "amargo" de la Estacion Experimental Nacional de Tezanos Pinto. En Argentina. Centro Regional Pampeano de Investigaciones Agropecuarias. Memoria de la Quinta Reunion de Maiz, 27 y 28 de julio de 1950 en la Estacion Experimental Pergamino. Pergamino, 1950. pp. 67-68.
8232. _____ Variedades sinteticas. En Argentina. Centro Regional Pampeano de Investigaciones Agropecuarias. Memoria de la Quinta Reunion de Maiz, 27 y 28 de julio de 1950 en la Estacion Experimental Pergamino. Pergamino, 1950. pp. 63-66.

8233. SALAS, CARLOS A. Mejoramiento de maiz en Costa Rica.
En Reunion Centroamericana sobre Mejoramiento del
Maiz, 3a, Antigua, Guatemala, 1958. Proyecto
Cooperativo Centroamericano. Turrialba, C. R.,
Instituto Interamericano de Ciencias Agricolas,
1959. pp. 38-39.
8234. SANTOS, IBARRA S. An evaluation of Cuban corn as a source
of genetic diversity for Philippine hybrids.
Philippine Agriculturist 41(7):378-391. Dec. 1957.
8235. SARRIA VILLANO, DANIEL. Estudio descriptivo de cuatro
razas de maiz en Colombia. Acta Agronomica
(Colombia) 4(3):161-174. Julio 1954.
8236. SAX, KARL & BURGESS, IVA M. Varieties of ensilage corn
for Maine. Maine Agricultural Experiment Station
Bulletin no. 330:49-56. 1926.
8237. SCHERFFIUS, W. H. 1. A method of selecting seed corn.
2. A chemical study of the composition of a number
of varieties of Kentucky corn. Kentucky Agri-
cultural Experiment Station Bulletin no. 122:155-
189. 1905.
8238. SCHULTZ, J. H. & MATTSON, HAROLD. Sweet corn varieties
and hybrids. North Dakota Agricultural Experi-
ment Station Bimonthly Bulletin 11(3):99-101.
Jan.-Feb. 1949.
8239. SHIDELER, FRANK J. Cuban yellow corn in Bolivia.
Foreign Agriculture 17(11-12):210-211. Nov.-Dec.
1953.
8240. _____ El maiz amarillo cubano. Revista de Agri-
cultura (Cuba) 37(2):60-64. Mar.-Agosto 1954.
8241. SHULKUM, E. & GENTER, C. F. Corn performance tests in
Virginia in 1958. Virginia Agricultural Experi-
ment Station Research Report no. 24. 1959. 36 p.
8242. SPRAGUE, HOWARD B. Recommended varieties of field crops
for New Jersey. New Jersey Agricultural Experi-
ment Station Circular 378. 1938. 15 p.
Corn, pp. 4-5, 6-8.
8243. _____ & OTHERS. Corn varieties for grain, fodder and
silage. New Jersey Agricultural Experiment Station
Bulletin 537. 1932. 46 p.

8244. STADLER, L. J. & HELM, C. A. Corn in Missouri. I. Corn varieties and their improvement. Missouri Agricultural Experiment Station Bulletin 181. 1921. 51 p.
8245. STEWART, GEORGE & WILSON, A. L. Silage corn varieties for Utah. Utah Agricultural Experiment Station Bulletin 211. 1929. 16 p.
8246. STRINGFIELD, G. H. & SALTER, ROBERT M. Differential response of corn varieties to fertility levels and to seasons. Journal of Agricultural Research 49(11): 991-1000. Dec. 1, 1934.
8247. STURTEVANT, E. L. Varieties of corn. U. S. Department of Agriculture. Office of Experiment Stations Bulletin no. 57. 1899. 108 p.
8248. SWEET CORN variety test, 1944. New Jersey Agricultural Experiment Station. Plant Disease Notes 22(2): 5-8. Feb. 1945.
8249. TEN EYCK, A. M. Corn: variety tests. Kansas Agricultural Experiment Station Bulletin no. 193: 427-471. 1913.
8250. _____ Variety tests. Kansas Agricultural Experiment Station Circular no. 6. 1910. 6 p.
Corn, pp. 1-3.
8251. TERESHKOVICH, G., DEMPSEY, A. H. & BRANTLEY, B. B. Sweet corn varieties for middle Georgia. Georgia Agricultural Experiment Station Mimeographed Series N. S. 43. 1957. 6 p.
8252. TORREGROSA C., MANUEL. Produccion y distribucion de hibridos y variedades seleccionadas de maiz en Colombia. En Reunion Centroamericana sobre el Mejoramiento del Maiz, 1a, Turrialba, C. R., 1954. Proyecto Cooperativo Centroamericano. Turrialba, C. R., Instituto Interamericano de Ciencias Agricolas, 1954. pp. 416-417.
8253. VANDERWERTH, W. C. & CAMERON, H. E. This corn is sweeping the country. What's New in Crops & Soils 8(6): 20-21. Mar. 1956.
8254. VARELA A., J. DANIEL, GRANT, ULYSSES J. & YEPES Y., EMILIO. Estudio comparativo sobre las caracteristicas de la mazorca en tres variedades de maiz de clima frio. (Compendio) En Reunion Interamericana de Fitogenetistas, Fitopatologos, Entomologos y Edafologos, 3a, Bogota, Colombia, 1955. Bogota, Colombia, Ministerio de Agricultura, Oficina de Investigaciones Especiales, 1958. pp. 113-114.

8255. VARIETAL tests 1914 - ground nuts, maize and rice. Mauritius Department of Agriculture Bulletin no. 3. (General series). 1914. 10 p.
8256. VARIETIES of farm crops for Montana, 1943. Montana Agricultural Experiment Station Circular 171. 1943. 19 p. Corn, pp. 15-16.
8257. VICTOR, ROGER & FERGUSON, CARL E. Rapport preliminaire sur l'essai de variete de maïs. Damien, Haïti, Département de l'Agriculture, 1958. 7 p. (Rapport no. 4: Projet "Ferme de Damien" SACT-DGA).
8258. VIEGAS, G. P. O milho Asteca. Agronomico (Brasil) 9(7-8):1-6. Julho-Agosto 1957.
8259. WALLACE, R. W. Variety and fertilizer investigations of field crops. In Florida Agricultural Experiment Station. Annual report, 1957. p. 329.
8260. WEATHERWAX, PAUL. Corn for morphological and genetic work. (Abstract) Genetics 31(2):235. Mar. 1946.
A collection of varieties of corn from Indiana, New Mexico, Mexico, Central America, Ecuador and Peru, with the purpose of finding variations in plant characters.
8261. _____ Primitive characteristics in a Peruvian variety of maize. (Abstract) American Journal of Botany 33(10): 827. Dec. 1946.
8262. WELLHAUSEN, E. J. Comparacion de variedades del maiz obtenidas en el Bajío, Jalisco y en la Mesa Central. Mexico, Secretaria de Agricultura y Ganaderia, Oficina de Estudios Especiales, Folleto Técnico no. 1. 1947. 40 p.
8263. _____, ROBERTS, L. M. & HERNANDEZ X., E. Razas de maíz en México, su origen, características y distribución. México, Secretaría de Agricultura y Ganadería, Oficina de Estudios Especiales, Folleto Técnico no. 5. 1951. 237 p.
The Library also has this article in English "Races of maize in Mexico; their origin, characteristics and distribution". Cambridge, Mass., Harvard University, Bussey Institution, 1952. 223 p.
Written in collaboration with Paul C. Mangelsdorf.
8264. _____ & OTROS. Razas de maíz en la América Central. México, Secretaría de Agricultura y Ganadería, Oficina de Estudios Especiales, Folleto Técnico no. 31. 1958. 138 p.
English summary.

8265. WENGERT, GERALD & HUTCHCROFT, CHARLES. Farmers plant many corn varieties. Iowa Farm Science 9(9):19. Mar. 1955.
8266. WIGGANS, R. G. The relative growth and development of corn varieties of widely different maturity dates during successive time intervals throughout their life cycle. New York (Cornell) Agricultural Experiment Station Memoir 152. 1934. 36 p.
8267. WILLIAMS, C. B. Some factors involved in successful corn growing. North Carolina Agricultural Experiment Station Bulletin 204. 1909. 42 p.
8268. WINDHAM, STEVE L. Aristogold Bantam leads in sweet corn variety test. Mississippi Farm Research 12(2):1, 7. Feb. 1949.
8269. WOLFE, H. H. & FURRER, J. D. Crop varieties in Nebraska. Nebraska College of Agriculture Extension Service Circular 100, rev. 1951. 70 p. Corn, pp. 5-12.
8270. WOODWARD, ROLLO W., TINGEY, D. C. & EVANS, R. J. Tests of corn varieties and hybrids in Utah. Utah Agricultural Experiment Station Bulletin 287. 1939. 32 p.
8271. YEPES Y., EMILIO & OTROS. La colección de variedades extranjeras en Colombia y su utilidad en los programas de mejoramiento. (Compendio) En Reunión Interamericana de Fitogenetistas, Fitopatólogos, Entomólogos y Edafólogos, 3a, Bogotá, Colombia, 1955. Bogotá, Colombia, Ministerio de Agricultura, Oficina de Investigaciones Especiales, 1958. pp. 122-123.
8272. ZOOK, L. L. Tests of corn varieties on the Great Plains. U. S. Department of Agriculture Bulletin no. 307. 1915. 20 p.

YIELDS
(RENDIMIENTOS)

8273. ABALO, RAUL A. Influencia de densidades de siembra sobre el rendimiento de variedades de maiz en Pergamino. En Argentina. Centro Regional Pampeano de Investigaciones Agropecuarias. Memoria de la Quinta Reunion de Maiz, 27 y 28 de julio de 1950 en la Estacion Experimental Pergamino. Pergamino, 1950. pp. 139-143, 145.
8274. _____ Influencia de la epoca de siembra sobre el rendimiento de las variedades de maiz en Pergamino. En Argentina. Centro Regional Pampeano de Investigaciones Agropecuarias. Memoria de la Quinta Reunion de Maiz, 27 y 28 de julio de 1950 en la Estacion Experimental Pergamino. Pergamino, 1950. pp. 147-151.
8275. ANDERSON, J. C. & OTHERS. Effect of subsoiling and rotation on yields of corn. Agronomy Journal 50(10):603-604. Oct. 1958.
8276. BAILEY, R. M. The effect of plant spacing on yield, ear size, and other characters in sweet corn. American Society for Horticultural Science. Proceedings 38:546-553. 1941.
8277. BALLESTEROS, O. P., SANTOS, I. S. & AQUILIZAN, F. A. Reduction in grain yield from the F_1 to the F_2 of parental single-crosses and double-cross hybrids. Philippine Agriculturist 40(9):443-452. Feb. 1957.
8278. BASILE, ROBERT M. Drought in relation to corn yield in the northwestern corner of the Corn Belt. Agronomy Journal 46(1):4-7. Jan, 1954.
8279. BAUER, F. C. Crop yields from Illinois experiment fields in 1929; together with a general summary for the rotation periods ending in 1929. Illinois Agricultural Experiment Station Bulletin no. 347:321-368. 1930.
8280. _____ Crop yields from Illinois soil experiment fields in 1930; together with a general summary for the rotation periods ending in 1930. Illinois Agricultural Experiment Station Bulletin no. 370:213-264. 1931.

8281. BAUER, F. C. Crop yields from Illinois soil experiment fields in 1931; together with a general summary for the rotation periods ending in 1931. Illinois Agricultural Experiment Station Bulletin no. 382:225-278. 1932.
8282. _____ Crop yields from Illinois soil experiment fields in 1932; together with a general summary for the rotation periods ending in 1932. Illinois Agricultural Experiment Station Bulletin no. 398:481-539. 1934.
8283. _____ Crop yields from Illinois soil experiment fields in 1933; together with a general summary for the four-year period ending in 1933. Illinois Agricultural Experiment Station Bulletin no. 402:37-92. 1934.
8284. _____ & OTHERS. Crop yields from Illinois soil experiment fields including the crop season 1935. Illinois Agricultural Experiment Station Bulletin no. 425:145-243. 1936.
8285. BAY, OVID & HARDY, BILL. 111-bushel corn on dwarf stalks. Farm Journal 80(12):34-35, 121. Dec. 1956.
8286. BERGGREN, FRED. Large ears of corn usually indicate less than top yield. What's New in Crops & Soils 2(3):24. Dec. 1949.
8287. BOWERS, JOHN L. The effect of spacing and number of plants per hill on the yield of eleven sweet corn hybrids. American Society for Horticultural Science. Proceedings 43:275-277. 1943.
8288. BREWBAKER, H. E. & IMMER, F. R. Variations in stand as sources of experimental error in yield tests with corn. American Society of Agronomy. Journal 23(6):469-480. 1931.
8289. BRINK, R. A. The anthocyanin plant colors and yield in corn. American Society of Agronomy. Journal 26(8):697-703. Aug. 1934.
8290. BRODELL, ALBERT P. & WALKER, HAROLD R. Harvesting corn for grain. U. S. Department of Agriculture Statistical Bulletin no. 129. 10 p.
8291. BROWN, B. A. The effects of early planting on the composition and yield of corn. Connecticut (Storrs) Agricultural Experiment Station Bulletin no. 151:37-51. 1928.

8292. BROWN, ERNEST B. Relative yields from broken and entire kernels of seed corn. American Society of Agronomy. Journal 12(6-7):196-197. Sept.-Oct. 1920.
8293. BROWN, WILLIAM L. & MANGELSDORF, PAUL C. The effects on yield and morphology of the addition of teosinte germ plasm to maize. (Abstract) Genetics 36(5):544. Sept. 1951.
8294. BRUNSON, ARTHUR M. Estimate your stand of corn. What's New in Crops & Soils 9(7):15. April-May 1957.
8295. _____ & WILLIER, J. G. Correlations between seed ear and kernel characters and yield of corn. American Society of Agronomy. Journal 21(9):912-922. Sept. 1929.
8296. BUNTING, E. S. World cereals today: maize, the highest yielding cereal. World Crops 2(1):5-9. Jan. 1950.
8297. BURLISON, W. L. & ALLYN, O. M. Yields of different varieties of corn in Illinois. Illinois Agricultural Experiment Station Bulletin no. 191:407-424. 1916.
8298. CAMERY, M. P. & WEBER, C. R. Effects of certain components of simulated hail injury on soybeans and corn. Iowa Agricultural Experiment Station Research Bulletin no. 400:461-504. 1953.
8299. COLLINS, E. R. Estimating corn yields. North Carolina College of Agriculture Extension Service Folder no. 123. 1955.
8300. COLLINS, G. N. Increased yields of corn from hybrid seed. In U. S. Department of Agriculture. The yearbook of agriculture, 1910. Washington, D. C., U. S. Government Printing Office, 1910. pp. 319-328.
8301. COX, GERTRUDE M. & SNEDECOR, GEORGE W. Covariance used to analyze the relation between corn yield and acreage. Journal of Farm Economics 18(3):597-607. Aug. 1936.
8302. CUETO ROBAINA, ISMAEL. Los hibridos de maiz obtenidos en Cuba promedian los mayores rendimientos en ocho repúblicas hispano americanas. Agrotecnia (Cuba) 13:78-79. Mayo-Junio 1958.
8303. CUNNINGHAM, C. C. The relation of ear characters of corn to yield. American Society of Agronomy. Journal 8(3):188-196. May-June 1916.

8304. CUNNINGHAM, C. C. Study of the relation of the length of kernel to the yield of corn (*Zea mays indentata*). Journal of Agricultural Research 21(7):427-438. July 1, 1921.
8305. DAVIS, FLOYD E. & PALLESEN, J. E. Effect of the amount and distribution of rainfall and evaporation during the growing season on yields of corn and spring wheat. Journal of Agricultural Research 60(1):1-23. Jan. 1, 1940.
8306. DESROSIER, N. W., JOHNSON, K. R. & MILES, S. R. Quality-yield relationships of sweet corn for processing. Indiana (Purdue) Agricultural Experiment Station Research Bulletin no. 654. 1958. 15 p. (North Central Regional Publication no. 81).
8307. DIAZ DEL PINO, ALFONSO. Elevados rendimientos de maiz. Vida Rural en Mexico 1(1):14. Feb. 1958.
8308. DUNGAN, GEORGE H. Effect of hail injury on the development of the corn plant. American Society of Agronomy. Journal 20(1):51-54. Jan. 1928.
8309. _____ Losses to the corn crop caused by leaf injury. Plant Physiology 9(4):749-766. Oct. 1934.
8310. _____ Relation of blade injury to the yielding ability of corn plants. American Society of Agronomy. Journal 22(2):164-170. Feb. 1930.
8311. _____ Yield and bushel weight of corn grain as influenced by time of planting. American Society of Agronomy. Journal 36(2):166-170. Feb. 1944.
8312. _____ & WOODWORTH, C. M. Loss resulting from pulling leaves with the tassels in detasseling corn. American Society of Agronomy. Journal 31(10):872-875. Oct. 1939.
8313. DUNHAM, R. S. Growth and yield in wheat, oats, flax, and corn as related to environment. American Society of Agronomy. Journal 30(11):895-908. Nov. 1938.
8314. ELLETT, W. B. & WOLFE, T. K. The effect of fertilizers on yield and market condition of corn. American Society of Agronomy. Journal 14(5):153-158. May 1922.

8315. ESPANA. INSTITUTO NACIONAL PARA LA PRODUCCION DE SEMILLAS SELECTAS. *Ensayos con maices hibridos americanos.* Espana. Ministerio de Agricultura. Boletin de Informacion 3(17):31-32; (22):26-28; (23):41-43; 4(27):41-43. Feb., Oct., Nov.-Dic. 1950, Mayo 1951.
8316. ESTIMATED reduction in yield of corn due to smut (*Ustilago zeae*) during the season of 1917. Plant Disease Bulletin (U.S.D.A.) 2(1):9-10. Mar. 15, 1918.
8317. ETHERIDGE, W. C. Characters connected with the yield of the corn plant. Missouri Agricultural Experiment Station Research Bulletin 46. 1921. 17 p.
8318. FEDERER, W. T. & SPRAGUE, G. F. A comparison of variance components in corn yield trials. I. Error, tester x line, and line components in top-cross experiments. American Society of Agronomy. Journal 39(6):453-463. June 1947.
8319. FLYNN, LAURA M. & OTHERS. Effects of temperature, rainfall and fertilizer on yields and composition of corn plants. Missouri Agricultural Experiment Station Research Bulletin 620. 1957. 23 p.
8320. GALVEZ, N. L. & OTHERS. The effect of different rates of nitrogen on the yield and chemical composition of corn. Philippine Agriculturist 40(3):104-114. Aug. 1956.
8321. GARBER, R. J. & HOOVER, M. M. Influence of corn smut and hail damage on the yield of certain first-generation hybrids between synthetic varieties. American Society of Agronomy. Journal 27(1):38-45. Jan. 1935.
8322. _____ & HOOVER, M. M. The relation of smut infection to yield in maize. American Society of Agronomy. Journal 20(7):735-746. July 1928.
8323. GASKIN, TIMOTHY A. & ULLSTRUP, A. J. An estimate of the incidence of corn smut and of the effects of the disease on yields in Indiana in 1957. Plant Disease Reporter 42(3):374-375. Mar. 15, 1958.
8324. GRANTHAM, A. E. The relation of the vigor of the corn plant to yield. American Society of Agronomy. Journal 9(7):340-343. Oct. 1917.

8325. GROGAN, CLARENCE O. Detasseling responses in corn. *Agronomy Journal* 48(6):247-249. June 1956.
8326. _____ & ZUBER, M. S. Missouri hybrid popcorn yield trials, 1955. *Missouri Agricultural Experiment Station Bulletin* 671. 1956. 3 p.
8327. HABER, E. S. The effect of maturity on sweet corn yield tests. *American Society for Horticultural Science. Proceedings* 35:566-568. 1937.
8328. _____ The effect of number of plants per hill on yields of sweet corn for the cannery. *American Society for Horticultural Science. Proceedings* 24:37-40. 1927.
8329. _____ Variations in yield and cutting percentage of sweet corn hybrids. *American Society for Horticultural Science. Proceedings* 53:302-304. 1949.
8330. _____ Yield comparisons of hybrid and open-pollinated varieties of sweet corn. *American Society of Agronomy. Journal* 26(8):704-713. Aug. 1934.
8331. HARRIS, J. ARTHUR & SCOFIELD, C. S. Further studies on the permanence of differences in the plots of an experimental field. *Journal of Agricultural Research* 36(1): 15-40. Jan. 1, 1928.
8332. HEIT, C. E. & MUNN, M. T. Effect of low seed vitality on yield. *New York Agricultural Experiment Station. Farm Research* 13(2):14-15. April 1947.
8333. HEMINGWAY, J. S. Effects of population density on yield of maize. *East African Agricultural Journal* 22(4):199-202. April 1957.
8334. _____ Effects of Puccinia polysora rust on yield of maize. *East African Agricultural Journal* 20(3):191-194. Jan. 1955.
8335. HENDRICKS, WALTER A. Here's how forecasters estimate corn yields. *U. S. Agricultural Marketing Service. Agricultural Situation* 41(10):12-13. Oct. 1957.
8336. _____ Validity of objective estimates of corn yield. *U. S. Agricultural Marketing Service. Agricultural Economics Research* 7(3):69-72. July 1955.

8337. HENDRICKS, WALTER A. & SCHOLL, JOHN C. Techniques in measuring joint relationships; the joint effects of temperature and precipitation on corn yields. North Carolina Agricultural Experiment Station Technical Bulletin no. 74. 1943. 34 p.
8338. HIBBS, EDWIN T., GUTHRIE, W. D. & NEISWANDER, C. R. The yield performance of a resistant and a susceptible field corn hybrid under different intensities of European corn borer infestation. Ohio Agricultural Experiment Station Research Bulletin 818. 1958. 27 p.
8339. HUELSEN, W. A. Stand irregularity and its relation to the yields of sweet corn. Journal of Agricultural Research 67(5):211-224. Sept. 1, 1943.
8340. _____ Yield of sweet corn in relation to distance and rate of planting. Illinois Agricultural Experiment Station Bulletin 487:33-104. 1942.
8341. _____ & GILLIS, M. C. A study of certain morphological characters of sweet corn and their relation to yield. American Society for Horticultural Science, Proceedings 24:31-36. 1927.
8342. _____ & MICHAELS, W. H. The yield complex of sweet corn. I. The effect of advancing maturity. II. Relations between yield components. Illinois Agricultural Experiment Station Bulletin no. 432:505-608. 1937.
8343. HUME, A. N. & FRANZKE, CLIFFORD. The effect of certain injuries to leaves of corn plants upon weights of grain produced. American Society of Agronomy, Journal 21(12):1158-1164. Dec. 1929.
8344. HUTCHCROFT, C. D. & ROBINSON, J. L. The 1958 Iowa corn yield test. Iowa Agricultural and Home Economics Experiment Station Bulletin P-126. 1959. 20 p.
8345. HUTCHESON, T. B. & WOLFE, T. K. The correlation between time of germination, maturity, and yield of corn. American Society of Agronomy, Journal 16(8):483-485. Aug. 1924.
8346. IMMER, F. R. & CHRISTENSEN, J. J. Further studies on reaction of corn to smut and effect of smut on yield. Phytopathology 21(6):661-674. June 1931.

8347. JEHLE, R. A., OLDENBURG, F. W. & TEMPLE, C. E. Relation of internal cob-discoloration to yield in corn. (Second progress report). (Abstract) *Phytopathology* 15(1):52. Jan. 1925.
8348. _____, OLDENBURG, F. W. & TEMPLE, C. E. Relation of internal cob discoloration to yield in corn. *Phytopathology* 16(3):207-215. Mar. 1926.
8349. _____, OLDENBURG, F. W. & TEMPLE, C. E. The relation of internal cob-discoloration to yield in corn; five years' results. *Maryland Agricultural Experiment Station Bulletin* no. 290:176-196. 1927.
8350. _____, OLDENBURG, F. W. & TEMPLE, C. E. Results of five years' selection for freedom from internal cob-discoloration in corn. (Abstract) *Phytopathology* 16(9):639. Sept. 1926.
8351. JORDAN, HOWARD V. The rise of corn in Dixie. *What's New in Crops & Soils* 2(4):7-9. Jan. 1950.
8352. JOSEPHSON, L. M. Effect of maleic hydrazide in delaying flowering in corn. *Agronomy Journal* 43(8):404-405. Aug. 1951.
8353. KELLER, KENNETH R. Evaluation of some morphological characters of corn in respect to their use in forecasting yield. *American Society of Agronomy. Journal* 34(10):940-953. Oct. 1942.
8354. KEMPTHORNE, O., SCHMIDT, J. L. & SNEDECOR, G. W. The estimation of yield of corn of standard moisture content in hybrid seed corn production. *American Society of Agronomy. Journal* 40(7):645-654. July 1948.
8355. KHAN, A. R. Studies on tillage. IV. Effect of frequency of cultivation with and without placement of fertilizers on the yield of maize. *Indian Journal of Agricultural Science* 27(4):419-426. Dec. 1957.
8356. KIESSELBACH, T. A. Ear-type selection and yield of dent corn. *American Society of Agronomy. Journal* 14(1-2):27-48. Jan.-Feb. 1922.
8357. _____ & LEONARD, WARREN H. The effect of pollen source upon the grain yield of corn. *American Society of Agronomy. Journal* 24(7):517-523. July 1932.

8358. KIESSELBACH, T. A. & WEIHING, RALPH M. Effect of stand irregularities upon the acre yield and plant variability of corn. *Journal of Agricultural Research* 47(6):399-416. Sept. 15, 1933.
8359. KIRKPATRICK, CHARLES D. Experience in developing a high-yielding strain of corn. *American Society of Agronomy. Journal* 17(8):487-488. Aug. 1925.
8360. KOEHLER, B., DUNGAN, G. H. & BURLISON, W. L. Maturity of seed corn in relation to yielding ability and disease infection. *American Society of Agronomy. Journal* 26(4):262-274. April 1934.
8361. KWOLEK, W. F. & BRINDLEY, T. A. The effects of the European corn borer, Pyrausta nubilalis (Hbn.), on corn yield. *Iowa State College. Journal of Science* 33(3):293-323. Feb. 1959.
8362. LANG, A. L., PENDLETON, J. W. & DUNGAN, G. H. Influence of population and nitrogen levels on yield and protein and oil contents of nine corn hybrids. *Agronomy Journal* 48(7):284-289. July 1956.
8363. LEONARD, WARREN H. & KIESSELBACH, T. A. The effect of the removal of tassels on the yield of corn. *American Society of Agronomy. Journal* 24(7):514-516. July 1932.
8364. LOVE, H. H. & WENTZ, J. B. Correlations between ear characters and yield in corn. *American Society of Agronomy. Journal* 9(7):315-322. Oct. 1917.
8365. MANGELSDORF, PAUL C. & GOODSELL, S. F. The relation of seminal roots in corn to yield and various seed, ear, and plant characters. *American Society of Agronomy. Journal* 21(1):52-68. Jan. 1929.
8366. MEREDITH, CLIFFORD H. Relation between the condition of the seedling root system of corn and the grain. (Abstract) *Phytopathology* 38(1):17-18. Jan. 1948.
8367. METZGER, J. E. & EPPLEY, GEARY. Variety tests of corn, wheat and soy beans. *Maryland Agricultural Experiment Station Bulletin no. 237.* 1920. 23 p.
8368. MEYERS, MARION T. The influence of broken pericarp on the germination and yield of corn. *American Society of Agronomy. Journal* 16(8):540-550. Aug. 1924.

- a8358. MILLER, ELMER S. & JOHNSON, I. J. The relation between leaf tissue pigment concentration and yield in corn. American Society of Agronomy. Journal 30(11):941-946. Nov. 1938.
- a8359. MONTGOMERY, E. G. Correlation studies of corn. In Nebraska Agricultural Experiment Station. 24th annual report, 1911. Lincoln, 1911. pp. 108-159.
- a8360. MOODY, J. E., JONES, J. M. & LILLARD, J. H. The effect of fertilizer placement on nutrient uptake and yield of corn under mulch tillage. Virginia Agricultural Experiment Station Research Report no. 11. 1957. 13 p.
- a8361. MYERS, H. E., JUGENHEIMER, R. W. & HEYNE, E. G. Vitamin B₁ (Thiamin chloride) and the yield of corn and sorghum under field conditions. American Society of Agronomy. Journal 33(5):474-476. May 1941.
- a8362. OLSON, P. J. Relation of stand to yield in corn. American Society of Agronomy. Journal 20(11):1235-1237. 1928.
- a8363. PATCH, L. H. & OTHERS. Factors determining the reduction in yield of field corn by the European corn borer. Journal of Agricultural Research 65(10):473-482. Nov. 15, 1942.
- a8364. PICKETT, B. S. The effect of spacing and number of kernels per hill on sweet corn yields. American Society for Horticultural Science. Proceedings 45:421-424. 1944.
- a8365. POPE, O. A., SIMPSON, D. M. & DUNCAN, E. N. Effect of corn barriers on natural crossing in cotton. Journal of Agricultural Research 68(9):347-361. May 1, 1944.
- a8366. REAL, OSCAR M. The effect of time of applying complete fertilizer (12-24-12) on the growth and yield of pop corn. Araneta Journal of Agriculture 5(3):42-62. July-Sept. 1958.
- a8367. RICHEY, FREDERICK D. Corn judging and the productiveness of corn. American Society of Agronomy. Journal 17(6):313-318. June 1925.
- a8368. _____ & WILLIER, J. G. A statistical study of the relation between seed-ear characters and productiveness in corn. U. S. Department of Agriculture Department Bulletin no. 1321. 1925. 19 p.

8369. RILEY, G. B. & BARNES, DOUGLAS. Investigaciones sobre el ataque del trip, *Frankliniella* sp. en maiz; estudio con diferentes medidas de combate y evaluacion de sus efectos sobre los rendimientos. Mexico, Secretaria de Agricultura y Ganaderia, Oficina de Estudios Especiales, Folleto Tecnico no. 24. 1958. 32 p.
8370. ROJAS, BASILIO A. & SPRAGUE, G. F. A comparison of variance components in corn yield trials: III. General and specific combining ability and their interaction with locations and years. *Agronomy Journal* 44(9):462-466. Sept. 1952.
8371. ROSBACO, URBANO F. Rendimiento de las F^2 de hibrido comerciales de maiz. *Revista Argentina de Agronomia* 23(4):180-184. Dic. 1956.
8372. ROSSMAN, E. C. Use 2,4-D with caution in producing hybrid seed corn. *What's New in Crops & Soils* 1(8):29-30. June-July 1949.
8373. ROUGH estimates on your corn yields. North Carolina College of Agriculture Extension Service Folder no. 87. 1952. (folded leaflet)
8374. SCHMIDT, J. L. How to reduce ear corn to bushels of shelled corn. *Agricultural Engineering* 29(7):294-296. July 1948.
Estimating bushels of shelled corn in a field or crib while the corn is still in ear form.
8375. SHAFER, JOHN & WIGGANS, R. G. Correlation of total dry matter with grain yield in maize. *American Society of Agronomy. Journal* 33(10):927-932. Oct. 1941.
8376. SHAW, R. H. & LOOMIS, W. E. Bases for the prediction of corn yields. *Plant Physiology* 25(2):225-244. April 1950.
8377. SMITH, LOUIE H. Seminal roots in corn. *American Society of Agronomy. Journal* 19(5):467-469. May 1927.
8378. _____ & BRUNSON, ARTHUR M. An experiment in selecting corn for yield by the method of the ear-row breeding plot. *Illinois Agricultural Experiment Station Bulletin* no. 271:567-583. 1925.

8379. SMITH, LOUIE H. & BRUNSON, ARTHUR M. Experiments in crossing varieties as a means of improving productivity in corn. Illinois Agricultural Experiment Station Bulletin no. 306: 373-386. 1928.
8380. _____ & WALWORTH, E. H. Seminal root development in corn in relation to vigor of early growth and yield of crop. American Society of Agronomy. Journal 18(12):1113-1120. Dec. 1926.
8381. SNEDECOR, GEORGE W. & COX, GERTRUDE M. Analysis of covariance of yield and time to first silks in maize. Journal of Agricultural Research 54(6):449-459. Mar. 15, 1937.
8382. SOULE, ANDREW M., VANATTER, PHARES O. & FAIN, JOHN R. Experiments with corn, forage crops and spring cereals. Tennessee Agricultural Experiment Station Bulletin no. 14(1):1-31. 1901.
8383. STEGGERDA, MORRIS. Effect of somatic injury upon yield in corn. Plant Physiology 5(3):432-435. July 1930.
8384. STRINGFIELD, G. H. Fertility restoration and yields in maize. Agronomy Journal 50(4):215-218. April 1958.
8385. SWANSON, C. L. W. & JACOBSON, H. G. M. Effect of adequate nutrient supply and varying conditions of cultivation, weed control, and moisture supply on soil structure and corn yields. Agronomy Journal 49(11):571-577. Nov. 1957.
8386. THOMPSON, H. C. Results of sweet-corn suckering experiments. New York (Cornell) Agricultural Experiment Station Bulletin 450. 1926. 15 p.
8387. _____, MILLS, H. S. & WESSELS, P. H. Results of sweet-corn suckering experiments on Long Island. New York (Cornell) Agricultural Experiment Station Bulletin 509. 1930. 11 p.
8388. TYNER, EDWARD H. & WEBB, JOHN R. The relation of corn yields to nutrient balance as revealed by leaf analysis. American Society of Agronomy. Journal 38(2):173-185. Feb. 1946.

8389. ULLSTRUP, ARNOLD J. The effect of some leaf diseases on grain yield in corn. (Abstract) *Phytopathology* 41(1):36. Jan. 1951.
8390. _____ & MILES, S. R. The effects of some leaf blights of corn on grain yield. *Phytopathology* 47(6):331-336. June 1957.
8391. U. S. DEPARTMENT OF AGRICULTURE. COMMODITY EXCHANGE ADMINISTRATION. Corn futures; volume of trading, open contracts, and prices from January 2, 1936 to December 30, 1939. U. S. Department of Agriculture Statistical Bulletin no. 74. 1941. 151 p.
8392. WALLACE, HENRY A. Mathematical inquiry into the effect of weather on corn yield in the eight corn belt states. U. S. Monthly Weather Review 48(8):439-446. 1920. The Library has a typewritten copy of this article.
8393. WELLHAUSEN, E. J. & PRYWER, CZEZSLAWA. Relationship between chromosome knob number and yield in corn. *Agronomy Journal* 46(11):507-511. Nov. 1954. Tambien en espanol bajo el titulo "Relacion entre el numero de nudos cromosomicos y el rendimiento en el maiz. en: Chapingo (Mexico) 7(47):103-110. Mayo-Junio 1954.
8394. WHITE, J. W. Fertilizer experiments on DeKalb soil; yields of clover, corn and Kentucky blue grass. Pennsylvania Agricultural Experiment Station Bulletin no. 155. 1919. 20 p.
8395. WINTER, FLOYD L. Relation of breaking strength and other cob characters to yield of corn. American Society of Agronomy. *Journal* 18(7):592-596. July 1926.
8396. WOLFE, T. K. The effects of fertilizers on the yield and the ear characters of corn. American Society of Agronomy. *Journal* 16(8):551-552. Aug. 1924.
8397. _____ A mathematical inquiry into the influence of the amount and distribution of rainfall on the yield of corn. American Society of Agronomy. *Journal* 17(6):356-362. June 1925.

FIELD PLOT TECHNIQUES
(TECNICA EXPERIMENTAL DE CAMPO)

8398. ARRUDA, HERMANO VAZ DE. Diferencia entre as variancias do erro experimental para hibridos e variedades de milho. Revista de Agricultura (Brasil) 30(1-3): 61-64. Jan.-Mar. 1955.
8399. BLISS, C. I. & DEARBORN, R. B. The efficiency of lattice squares in corn selection tests in New England and Pennsylvania. American Society for Horticultural Science. Proceedings 41:324-342. 1942.
8400. BREWBAKER, H. E. & IMMER, F. R. Variations in stand as sources of experimental error in yield tests with corn. American Society of Agronomy. Journal 23(6):469.480. 1931.
8401. BRYAN, ARTHUR A. Factors affecting experimental error in field plot tests with corn. Iowa Agricultural Experiment Station Research Bulletin no. 163:241-280. 1933.
8402. CARRIER, LYMAN. A reason for the contradictory results in corn experiments. American Society of Agronomy. Journal 11(3):106-113. Mar. 1919.
8403. COCHRAN, W. G. An examination of the accuracy of lattice and lattice square experiments on corn. Iowa Agricultural Experiment Station Research Bulletin no. 289:397-415. 1941.
8404. COX, GERTRUDE M., ECKHARDT, ROBERT C. & COCHRAN, W. G. The analysis of lattice and triple lattice experiments in corn varietal tests. Iowa Agricultural Experiment Station Research Bulletin 281. 1940. 66 p.
8405. HARRIS, F. S. & BUTT, N. I. The unreliability of short-time experiments. American Society of Agronomy. Journal 12(5):158-167. May 1920.

8406. HARRIS, J. ARTHUR & SCOFIELD, C. S. Further studies on the performance of differences in the plots of an experimental field. *Journal of Agricultural Research* 36(1): 15-40. Jan. 1, 1928.
8407. _____ & SCOFIELD, C. S. Permanence of differences in the plots of an experimental field. *Journal of Agricultural Research* 20(5): 335-356. Dec. 1, 1920.
8408. HENRY, G. F., DOWN, E. E. & BATES, W. D. An adequate sample of corn plots with reference to moisture and shelling percentages. *American Society of Agronomy. Journal* 34(9): 777-781. 1942.
8409. HUDDLESTON, HAROLD F. Objective methods in forecasting components of corn yield. *U. S. Department of Agriculture Agricultural Economics Research* 10(2): 49-53. April 1958.
8410. KELLER, KENNETH R. Evaluation of some morphological characters of corn in respect to their use in forecasting yield. *American Society of Agronomy. Journal* 34(10): 940-953. Oct. 1942.
8411. KIESSELBACH, T. A. Competition as a source of error in comparative corn yields. *American Society of Agronomy. Journal* 15(5): 199-215. May 1923.
8412. _____ Plat competition as a source of error in crop tests. *American Society of Agronomy. Journal* 11(6): 242-247. Sept. 1919.
Corn, pp. 245-247.
8413. _____ Studies concerning the elimination of experimental error in comparative crop tests. *Nebraska Agricultural Experiment Station Research Bulletin no. 13.* 1918.
95 p.
Corn, pp. 29-48, 75-89.
8414. _____ & WEIHING, RALPH M. Effect of stand irregularities upon the acre yield and plant variability of corn. *Journal of Agricultural Research* 47(6): 399-416. Sept. 15, 1933.
8415. LYON, T. LYTTLETON. A test of planting plats with the same ears of corn to secure greater uniformity in yield. *American Society of Agronomy. Journal* 2: 35-37. 1910.

8416. McCLELLAND, C. K. Some determinations of plant variability. American Society of Agronomy. Journal 18(9):819-823. Sept. 1926.
8417. MAHONEY, CHARLES H. & BATEN, W. D. The use of the analysis of covariance and its limitation in the adjustment of yields based upon stand irregularities. Journal of Agricultural Research 58(5):317-328. Mar. 1, 1939.
8418. MONZON, DOMINGO. Analisis e interpretacion de un ensayo de uniformidad con maiz. Agronomia Tropical (Venezuela) 6(1):15-22. Abril-Junio 1956.
8419. MOERS, C. A. The agronomic placement of varieties. American Society of Agronomy. Journal 13(9):337-352. Dec. 1921.
8420. MOORE, JOHN F. & DARROCK, J. G. Field plot technique with Blue Lake pole beans, bush beans, carrots, sweet corn, spring and fall cauliflower. Washington Agricultural Experiment Station Technical Bulletin 21. 1956. 30 p.
8421. OLSON, P. J. Competition between adjacent rows of corn. American Society of Agronomy. Journal 20(1):83-84. 1928.
8422. _____ Relation of stand to yield in corn. American Society of Agronomy. Journal 20(11):1235-1237. 1928.
8423. PALACIOS, RAUL. La eficiencia relativa del diseño lattice simple sobre lotes completos al azar, en ensayos de rendimiento con maiz. En Asamblea Latinoamericana de Fitogenetistas, 1a, Mexico, D. F., 1949. Trabajos presentados. Mexico, Secretaria de Agricultura y Ganaderia, Oficina de Estudios Especiales, Folleto Miscelaneo no. 3. 1950. pp. 241-244.
8424. RICHEY, FREDERICK D. Adjusting yields to their regression on a moving average, as a means of correcting for soil heterogeneity. Journal of Agricultural Research 27(2):79-90. Jan. 12, 1924.
8425. SMITH, DONALD F. & CHAMORRO MERA, R. Optimo tamano de parcela para ensayos de rendimiento en maiz. (Compendio) En Reunion Interamericana de Fitogenetistas, Fitopatologos, Entomologos y Edafologos, 3a, Bogota, Colombia, 1955. Bogota, Colombia, Ministerio de Agricultura, Oficina de Investigaciones Especiales, 1958. p. 411.

8426. SMITH, LOUIE H. Plot arrangement for variety experiments with corn. American Society of Agronomy. Journal 1:84-89. 1907-1909.
8427. SPRAGUE, GEORGE F. Random sampling and the distribution of phenotypes on ears of backcrossed maize. Journal of Agricultural Research 51(8):751-758. Oct. 15, 1935.
8428. _____ & FEDERER, W. T. A comparison of variance components in corn yield trials: II. Error, year x variety, location x variety, and variety components. Agronomy Journal 43(11):535-541. Nov. 1951.
8429. WELLHAUSEN, E. J. The accuracy of incomplete block designs in varietal trials in West Virginia. American Society of Agronomy. Journal 35(1):66-76. Jan. 1943.
8430. WILLCOX, O. W. Yield-depression effect of fertilizers and its measurement by the universal yield diagram. American Society of Agronomy. Journal 36(1):20-31. Jan. 1944.
8431. ZUBER, MARCUS STANLEY. Relative efficiency of incomplete block designs using corn uniformity trial data. American Society of Agronomy. Journal 34(1):30-47. Jan. 1942.

ANIMAL FEED AND NUTRITION
(ALIMENTACION Y NUTRICION ANIMAL)

General

8432. ACHA V., DORA ELBA. Contribucion al estudio del contenido de caroteno en forrajes, maiz, y camote, utilizados en la alimentacion animal. *Agronomia (Peru)* 21(82): 40-49. 1955.
8433. ARMSBY, HENRY PRENTISS & FRIES, J. AUGUST. Energy values of hominy feed and maize meal for cattle. *Journal of Agricultural Research* 10(12): 599-613. Sept. 17, 1917.
8434. _____, FRIES, J. AUGUST & BRAMAN, WINFRED WAITE. Energy values of red-clover hay and maize meal. *Journal of Agricultural Research* 7(9): 379-387. Nov. 27, 1916.
8435. BENNETT, EDMOND H. Kernel hardness in corn. I.-II. *Cereal Chemistry* 27(3): 222-231, 232-238. May 1950.
8436. BRAMAN, WINFRED W. & OTHERS. The utilization of energy-producing nutrient and protein in white and yellow corn and in diets deficient in vitamins A, D, and G. *Journal of Agricultural Research* 50(1): 1-37. Jan. 1, 1935.
8437. BUSHEY, ALFRED. Some chemical characteristics of soft corn. *South Dakota Agricultural Experiment Station Bulletin* no. 210: 711-718. 1924.
8438. CASE, A. A. Corn smut in silage. *American Veterinary Medical Association. Journal* 129(9): 404. Nov. 1956.
8439. CASTILLO, L. S. & OTHERS. Corncobs as partial replacement of silage for Murrah heifers. *Philippine Agriculturist* 40(8): 433-439. Jan. 1957.
8440. CHRISTENSEN, F. W. & HOPPER, T. H. Digestible nutrients and metabolizable energy in certain silages, hays, and mixed rations. *Journal of Agricultural Research* 57(7): 477-512. Oct. 1, 1938.

8441. CORN CONTAINS more protein when treated with nitrogen; quality is slightly lower. What's New in Crops & Soils 7(1):27. Oct. 1954.
8442. DHARMANI, LAL CHAND & KARIKA, G. V. Maize cake as a cattle feed. Indian Journal of Veterinary Science and Animal Husbandry 23(2):123-127. June 1953.
8443. EUSEBIO, A. N. & OTHERS. Effect on rumen volatile fatty acids and rumen microbial dissimilation of glucose-C¹⁴ of corn meal when fed exclusively and in combination with hay or certain additives. Journal of Dairy Science 42(4):692-697. April 1959.
8444. EVWARD, JOHN M. The soft corn problem. Iowa Agricultural Experiment Station Circular no. 40. 1917. 8 p.
8445. FEEDING wheat to livestock. U. S. Department of Agriculture Miscellaneous Publication no. 96. 1930. 6 p.
8446. FICKE, C. H. & MELCHERS, L. E. The effect of the digestive processes of animals on the viability of corn and sorghum smut spores. Journal of Agricultural Research 38(11):633-645. June 1, 1929.
8447. FORBES, E. B. & OTHERS. The associative effects of feeds in relation to the utilization of feed energy. Journal of Agricultural Research 46(8):753-770. April 15, 1933.
8448. _____ & OTHERS. The energy metabolism of cattle in relation to the plane of nutrition. Journal of Agricultural Research 37(5):253-300. Sept. 1, 1928.
8449. _____ & OTHERS. Further studies of the energy metabolism of cattle in relation to the plane of nutrition. Journal of Agricultural Research 40(1):37-78. Jan. 1, 1930.
8450. _____ & OTHERS. The metabolizable energy and net energy values of corn meal when fed exclusively and in combination with alfalfa hay. Journal of Agricultural Research 43(11):1015-1026. Dec. 1, 1931.
8451. FRAPS, G. S. Digestion experiments. Texas Agricultural Experiment Station Bulletin no. 291. 1922. 16 p.

8452. FRAPS, G. S. The heating of corn chops. Texas Agricultural Experiment Station Bulletin no. 152. 1912. 5 p.
8453. FRENCH, M. H. Local millets as substitutes for maize in the feeding of domestic animals. East African Agricultural Journal 13(4):217-220. April 1948.
8454. GAZTAMBIDE-ARRILLAGA, C. Alimentos carbonaceos; el maiz como alimento para animales. Revista de Agricultura, Industria y Comercio de Puerto Rico 33(2):267-270. Abril-Junio 1941.
8455. _____ El maiz como alimento para animales. Revista del Cafe (Puerto Rico) 9(12):86-88. Julio-Agosto 1954.
8456. GEORGESON, C. C., BURTIS, F. C. & OTIS, D. H. Feeding experiments. I. Kaffir-corn, corn & soybean meal for pigs. II. Kaffir-corn and corn-meal for cattle. Kansas Agricultural Experiment Station Bulletin no. 61:147-168. 1896.
8457. GUANZON, G. A. & SANDSTROM, W. M. The uronic acid content of the nitrogen-free extract of feeding stuffs. Journal of Agricultural Research 55(8):581-586. Oct. 15, 1937.
8458. HALL, H. H., CURTIS, J. J. & SHEKLETON, M. C. The B-complex vitamin composition of corncobs. Cereal Chemistry 29(2):156-160. Mar. 1952.
8459. HATHAWAY, I. L., YUNG, F. D. & KIESSELBACH, T. A. The effect of drying temperature upon the nutritive value and commercial grade of corn. Journal of Animal Science 11(2):430-440. May 1952.
8460. HUGHES, JOSIAH SIMPSON. Some nutritive properties of corn. Kansas Agricultural Experiment Station Technical Bulletin no. 5. 1918. 39 p.
8461. JENNINGS, R. D. Feed consumed by livestock and supply and disposition of feeds, by states, 1949-50. U. S. Department of Agriculture Statistical Bulletin no. 145. 1954. 74 p.
8462. JOHNSON, I. B. & OTHERS. Soft corn for fattening livestock; a progress report of one year's feeding trials with soft immature corn killed by frost and with corn of no. 3 grade as feeds for steers, hogs, and lambs. South Dakota Agricultural Experiment Station Circular 48. 1943. 7 p.

8463. JONES, D. BREESE, FINKS, A. J. & JOHNS, CARL O. Nutritive value of mixtures of proteins from corn and various concentrates. *Journal of Agricultural Research* 24(11): 971-978. June 11, 1923.
8464. KOHNKE, HELMUT & VESTAL, C. M. The effect of nitrogen fertilization on the feeding value of corn. *Soil Science Society of America. Proceedings* 13: 299-302. 1948.
8465. KRAYBILL, H. R. & OTHERS. Commercial feeding stuffs. Indiana (Purdue) Agricultural Experiment Station Circular nos. 147, 36 p.; 181, 39 p.; 189, 36 p.; 195, 24 p.; 1926-1933. Bulletin no. 303, 20 p. 1926.
8466. LINDAHL, IVAN L. & OTHERS. Feeding qualities for livestock of distiller's corn by-products from fungal amylase-converted mashes, compared with those from malt amylase-converted mashes. U. S. Department of Agriculture Technical Bulletin no. 1053. 1952. 31 p.
8467. MAYNARD, L. A. & FRONDA, F. M. The relative growth-promoting value of the protein of coconut oil meal, and of combinations of it with protein from various other feeding stuffs. New York (Cornell) Agricultural Experiment Station Memoir no. 50: 619-633. 1921.
8468. MILLER, R. C., AURAND, L. W. & FLACK, W. R. Amino acids in high and low protein of corn. *Science* 112(2898): 57-58. July 14, 1950.
8469. MILLS, R. C. & OTHERS. Utilization of urea and growth of heifer calves with corn molasses or cane molasses as the only readily available carbohydrate in the ration. *Journal of Dairy Science* 27(7): 571-578. July 1944.
8470. MITCHELL, H. H. & BEADLES, JESSIE R. The impairment in nutritive value of corn grain damaged by specific fungi. *Journal of Agricultural Research* 61(2): 135-141. July 15, 1940.
8471. MOODY, GENE. Hybrid corn equals open pollinated types in feeding quality. *What's New in Crops & Soils* 4(2): 25. Nov. 1951.
8472. NEALE, ARTHUR T. Stock feeding. Delaware Agricultural Experiment Station Bulletin no. 7. 1889. 24 p. Utilization of corn-stalks as feed for livestock.

8473. NEVENS, W. B. Fertilizers increase yield and protein content of corn forage in Illinois. Better Crops with Plant Food 38(9):9-12, 45-46. Nov. 1954.
8474. _____ High-protein corn may help to solve feeding problems. Better Crops with Plant Food 39(9):19-22, 41-44. Nov. 1955.
8475. NORTHERN leaf blight does not reduce feeding value of corn. What's New in Crops & Soils 4(6):29. Mar. 1952.
8476. OTIS, D. H. Experiments in feeding steers and in breeding and feeding pigs. Kansas Agricultural Experiment Station Bulletin no. 124:1-57. 1904.
8477. ROBERTS, E. & HOENER, IRWIN R. Causes of preferences exhibited by animals for certain inbred lines of corn. American Society of Agronomy. Journal 33(5):448-453. May 1941.
8478. _____, HOLBERT, J. R. & QUISENBERRY, J. H. Preferences for certain genetic strains of corn exhibited by animals. American Society of Agronomy. Journal 30(2):150-159. Feb. 1938.
8479. RUNDLES, J. C. A method of calculating economical balanced rations. U. S. Department of Agriculture Bulletin no. 637. 1918. 19 p.
8480. SCHNEIDER, BURCH HART. Feeds of the world, their digestibility and composition. Morgantown, West Virginia Agricultural Experiment Station, 1947. 299 p.
8481. _____ The nutritive value of corn. In Sprague, George F., ed. Corn and corn improvement. New York, Academic Press, 1955. pp. 637-678. (Agronomy, vol. 5)
8482. SHREWSBURY, CHARLES L. & BRATZLER, JOHN W. Cystine deficiency of soybean protein at various levels, in a purified ration and as a supplement to corn. Journal of Agricultural Research 47(11):889-895. Dec. 1, 1933.
8483. SILVER, E. A. Feed grinder investigations. Ohio Agricultural Experiment Station Bulletin 490. 1931. 49 p.
8484. SMITH, MARGARET CAMMACK. The comparative nutritive value of yellow corn and the grain sorghums hegari and yellow milo. Journal of Agricultural Research 40(12):1129-1145. June 15, 1930.

8485. SPRAGUE, GEORGE F. Feeding quality of corn improved by breeding. What's New in Crops & Soils 1(8):20-21, 30. June-July 1949.
8486. TEMPLETON, GEORGE S., FERGUSON, H. C. & GIBBENS, ERNEST. I. Velvet beans compared with cottonseed meal for fattening steers. II. Velvet beans, cottonseed meal and corn as feeds for dairy cattle. III. Velvet bean pasture compared with corn and dried blood; velvet bean meal compared with corn for fattening hogs. Alabama Agricultural Experiment Station Bulletin no. 198:101-122. 1917.
8487. TOLLEY, H. R., BLACK, J. D. & EZEKIEL, M. J. B. Input as related to output in farm organization and cost-of-production studies. U. S. Department of Agriculture Department Bulletin no. 1277. 1924. 44 p.
8488. TURK, KENNETH L., MORRISON, F. B. & MAYNARD, L. A. The nutritive value of the proteins of corn-gluten meal, linseed meal, and soybean-oil meal. Journal of Agricultural Research 51(5):401-412. Sept. 1, 1935.
8489. USING SOFT corn. Nebraska College of Agriculture Extension Service Circular 254. 1951. 4 p.
8490. VELASCO, FELIX A. Aprovechemos mejor el malojo, la paja y la tusa del maiz. Revista de Agricultura de Puerto Rico 10(1):23-25. Enero 1923.
8491. WILSON, JAMES W. & WRIGHT, TURNER. Ground flax and other protein supplements with corn for fattening calves and pigs. South Dakota Agricultural Experiment Station Bulletin 293. 1935. 30 p.

Beef Cattle
(Ganado vacuno de Engorde)

8492. ALLISON, H. O. Corn silage for fattening two-year-old steers. Missouri Agricultural Experiment Station Bulletin no. 112:259-275. 1913.
8493. _____ Corn silage with and without shelled corn in rations for fattening steers. Missouri Agricultural Experiment Station Bulletin 150. 1917. 24 p.
8494. _____ Preparation of corn for fattening two-year-old steers. Missouri Agricultural Experiment Station Bulletin 149. 1917. 35 p.
8495. ANDERSON, B. M. & MARSTON, H. W. Cattle feeding investigations, 1925-26. Kansas Agricultural Experiment Station Circular 130. 1926. 5 p.
8496. _____, McCAMPBELL, C. W. & MARSTON, H. W. Cattle feeding investigations, 1926-27. Kansas Agricultural Experiment Station Circular 143. 1928. 13 p.
8497. _____, McCAMPBELL, C. W. & ALEXANDER, M. A. Cattle feeding investigations, 1927-28. Kansas Agricultural Experiment Station Circular 151. 1929. 20 p.
8498. _____, McCAMPBELL, C. W. & ALEXANDER, M. A. Cattle feeding investigations, 1928-29. Kansas Agricultural Experiment Station Circular 152. 1929. 13 p.
8499. ARMSBY, HENRY PRENTISS & FRIES, J. AUGUST. Energy values of hominy feed and maize meal for cattle. Journal of Agricultural Research 10(11):599-613. Sept. 17, 1917.
8500. ARSDELL, W. J. VAN & OTHERS. Supplementing corn silage for fattening steers. Michigan Agricultural Experiment Station Quarterly Bulletin 36(1):46-49. Aug. 1953.
8501. BAKER, GUY N. & JACKSON, JOSEF A. Corn is a good supplement for steers on grass. Nebraska Agricultural Experiment Station Quarterly 2(1):3. Summer 1953.

8502. BAKER, MARVEL L. Corn, wheat, and rye for fattening calves. Nebraska Agricultural Experiment Station Bulletin 263. 1931. 11 p.
8503. _____ & ARTHAUD, VINCENT H. Feeding ground corn cobs to fattening yearling steers. Nebraska Agricultural Experiment Station Bulletin 396. 1949. 19 p.
8504. BARNETT, E. & GOODELL, C. J. Experiments with feeding steers using cottonseed meal and varying proportions of corn and cottonseed meal. Mississippi Agricultural Experiment Station Bulletin 214. 1923. 29 p.
8505. BARRENTINE, B. F. & OTHERS. Study values of corncobs in feed for beef cattle. Mississippi Farm Research 18(9):1, 8. Sept. 1955.
8506. BARRICK, E. R. & OTHERS. Corn cobs for cattle. North Carolina Research and Farming 10(2):12. Autumn 1951.
8507. BENTLEY, ORVILLE G., KLOSTERMAN, EARLE W. & ENGLE, PAUL. The use of urea to increase the crude protein content of corn silage for fattening steers. Ohio Agricultural Experiment Station Research Bulletin 766. 1955. 20 p.
8508. BERESFORD, REX. Stretching corn in cattle feeding. Iowa Farm Science 1(2):8-9. Aug. 1946.
8509. BLACK, W. H. Wintering beef cattle in the Appalachian region. U. S. Department of Agriculture Department Circular 408. 1927. 12 p.
8510. _____ & TROWBRIDGE, E. A. Beef from calves fed grain before and after weaning. U. S. Department of Agriculture Technical Bulletin no. 208. 1930. 24 p.
8511. _____ & TROWBRIDGE, E. A. Comparison of grain rations for beef calves before and after weaning. U. S. Department of Agriculture Technical Bulletin no. 397. 1933. 16 p.
8512. BLISS, R. K. & LEE, C. B. Corn silage and alfalfa hay for beef production. Nebraska Agricultural Experiment Station Bulletin no. 151. 1915. 43 p.
8513. BOHSTEDT, G. Alfalfa and silage for fattening cattle; alfalfa hay and corn silage fed alone, with oilmeal, and with corn. Ohio Agricultural Experiment Station Bimonthly Bulletin 8(9-10):139-144. Sept.-Oct. 1923.

8514. BOHSTEDT, G. Fattening calves, yearlings, and two-year-olds; heavy versus light corn allowance. Ohio Agricultural Experiment Station Bimonthly Bulletin 8(9-10):131-138. Sept.-Oct. 1923.
8515. _____ Fattening heifer calves; may corn or oil meal profitably be reduced or eliminated in a ration? Can heifer calves fatten on alfalfa hay and corn silage? Ohio Agricultural Experiment Station Bimonthly Bulletin 10(9):170-175. Nov.-Dec. 1925.
8516. _____ Shock corn for heifer calves; steers compared with heifers, finishing heifers on pasture versus in dry lot. Ohio Agricultural Experiment Station Bimonthly Bulletin 12(6):171-180. Nov.-Dec. 1927.
8517. _____ Steer feeding; silage and limited corn allowance for yearling and two-year-old steers. Ohio Agricultural Experiment Station Monthly Bulletin 7(11-12): 179-185. Nov.-Dec. 1922.
8518. _____ Wintering beef cows; a comparison of stover silage, dry stover, and corn silage. Ohio Agricultural Experiment Station Monthly Bulletin 7(11-12):186-191. Nov.-Dec. 1922.
8519. BRANAMAN, G. A. & HUDSON, R. S. Methods of utilizing the corn crop for fattening steers. Michigan Agricultural Experiment Station Quarterly Bulletin 16(1):17-19. Aug. 1933.
8520. _____ & HUDSON, R. S. Methods of utilizing the corn crop for fattening steers. Michigan Agricultural Experiment Station Quarterly Bulletin 17(1):24-28. Aug. 1934.
8521. _____ & HUDSON, R. S. Methods of utilizing the corn crop for fattening steers. Michigan Agricultural Experiment Station Quarterly Bulletin 18(1):57-60. Aug. 1935.
8522. _____, BROWN, G. A. & HUDSON, R. S. Methods of preparing the corn crop for yearling steers. Michigan Agricultural Experiment Station Special Bulletin 293. 1938. 16 p.
8523. _____, FICK, H. A. & HARRISON, C. M. A comparison of shelled corn and hominy feed for fattening steers. Michigan Agricultural Experiment Station Quarterly Bulletin 25(4):288-290. May 1943.

8524. BROWN, G. A. Feeding soft corn; with high priced corn the feeding of protein supplements to balance the ration is more important than ever. Michigan Agricultural Experiment Station Quarterly Bulletin 7(2):43-44. Nov. 1924.
8525. BULL, SLEETER, OLSON, FRED C. & LONGWELL, JOHN H. Effects of sex, length of feeding period, and a ration of ear-corn silage on the quality of baby beef. Illinois Agricultural Experiment Station Bulletin no. 355:165-233. 1930.
8526. BURNETT, E. A. & SMITH, H. R. Feeding experiments with cattle: I. Hay with and without grain for calves. II. Roughness supplementary to corn for fattening yearling steers. III. Corn vs. corn and oil-meal on grass for fattening two-year-old steers. Nebraska Agricultural Experiment Station Bulletin no. 85. 1904. 22 p.
8527. BURROUGHS, WISE & OTHERS. The nutritive value of corn cobs in beef cattle rations. Journal of Animal Science 4(4):373-386. Nov. 1945.
8528. CARLYLE, W. L. & GRIFFITH, C. J. Feeding steers on sugar beet pulp, alfalfa hay and ground corn. Colorado Agricultural Experiment Station Bulletin 102. 1905. 12 p.
8529. CHAPMAN, H. L., KIDDER, R. W. & PLANK, S. W. Comparative feeding value of citrus molasses, cane molasses, ground snapped corn and dried citrus pulp for fattening steers on pasture. Florida Agricultural Experiment Station Bulletin 531. 1953. 16 p.
8530. COCHEL, W. A. Silage for steers; wintering beef breeding cows. Pennsylvania Agricultural Experiment Station Bulletin no. 118. 1912. 20 p.
8531. COTTON, J. S. & THOMPSON, E. H. The economical winter feeding of beef cows in the corn belt. U. S. Department of Agriculture Bulletin no. 615. 1917. 16 p.
8532. _____ & WARD, W. F. Economical cattle feeding in the corn belt. U. S. Department of Agriculture Farmers' Bulletin 588. 1914. 19 p.
8533. CULBERTSON, C. C. Corn can be too hard, steers in tests at Ames gain faster and more economically on softer kinds. Iowa Farm Science Reporter 1(3):9-10. July 1940.

8534. CULBERTSON, C. C. Corncobs for steers. Iowa Farm Science 2(1):11-12. July 1947.
8535. _____ Old corn into beef; tests show that corn 2, 3, or 4 years old is good if properly supplemented. Iowa Farm Science Reporter 3(3):15-16. July 1942.
8536. _____ & OTHERS. Feed cattle corncobs? Iowa Farm Science 4(2):10. Aug. 1949.
8537. DOWE, THOMAS W., MATSUSHIMA, J. & ARTHAUD, V. H. The effects of the corn-alfalfa hay ratio on the digestibility of the different nutrients by cattle. Journal of Animal Science 14(2): 340-349. May 1955.
8538. _____, MATSUSHIMA, J. & ARTHAUD, V. H. The effects of corn treated with fungicides upon the performance of fattening steers. Journal of Animal Science 16(1):93-99. Feb. 1957.
8539. DYER, A. J. & WEAVER, L. A. Corn substitutes for fattening cattle. Missouri Agricultural Experiment Station Bulletin no. 641. 1955. 12 p.
8540. EVVARD, JOHN M. & OTHERS. Roughages for fattening two-year-old steers. Iowa Agricultural Experiment Station Bulletin no. 253: 385-422. 1928.
8541. EWING, P. V. & SMITH, F. H. Digestibility of corn silage, velvet-bean meal, and alfalfa hay when fed singly and in combinations. Journal of Agricultural Research 13(12): 611-618. June 17, 1918.
8542. FAHEY, JACK E., BRINDLEY, TOM A. & SPEAR, MAYNARD L. DDT residues in fat from steers pastured on corn stover in DDT-treated fields. Journal of Economic Entomology 48(5):606-607. Oct. 1955.
8543. FARLEY, F. W., PEDEN, F. T. & CURTIS, R. S. Wintering and summer fattening steers in North Carolina. U. S. Department of Agriculture Bulletin no. 954. 1921. 18 p.
8544. FORBES, E. B. & OTHERS. Net-energy values of corn silage, soy-bean hay, alfalfa hay, and oats. Journal of Agricultural Research 34(8): 785-796. April 16, 1927.

8545. FORD, KENNETH D. Pasturing of mature corn with cows and young steers. North Dakota Agricultural Experiment Station Bimonthly Bulletin 10(5):159-163. May-June 1948.
8546. FOSTER, LUTHER & MERRILL, LEWIS A. Cattle feeding: I. A comparison of Utah feeding stuffs. II. Digestion experiments with shredded corn-fodder, lucern, timothy and wheat bran. Utah Agricultural Experiment Station Bulletin no. 54:117-151. 1898.
8547. GARRIGUS, W. P. Digestible nutrient contents of corn, bluegrass, alfalfa, ladino, fescue, and soybean silages for steers. Kentucky Agricultural Experiment Station Bulletin 573. 1951. 19 p.
8548. GAYLE, H. K. & LLOYD, E. R. Silages for fattening steers. Mississippi Agricultural Experiment Station Bulletin no. 182. 1917. 15 p.
8549. GEORGESON, C. C., BURTIS, F. C. & OTIS, D. H. Steer-feeding experiments. Series V. Kansas Agricultural Experiment Station Bulletin no. 60:107-146. 1896.
8550. _____, BURTIS, F. C. & SHELTON, W. Experiments in feeding steers. Kansas Agricultural Experiment Station Bulletin no. 34:49-98. 1892.
8551. GERLAUGH, PAUL. Adding supplement to corn for calves on bluegrass pasture. I, II, III. Ohio Agricultural Experiment Station Bimonthly Bulletin 20(173):37-38; 21(179):~~40~~ 41; 22(186):108-109. Mar.-April 1935, Mar.-April 1936, May-June 1937.
8552. _____ Adding supplement to corn for calves on pasture; summary of six years. Ohio Agricultural Experiment Station Bimonthly Bulletin 25(205):127-130. July-Aug. 1940.
8553. _____ Fattening steer calves. Ohio Agricultural Experiment Station Bimonthly Bulletin 17(159):215-217; 19(166):3-5. Nov.-Dec. 1932, Jan.-Feb. 1934.
8554. _____ Fattening steer calves; quantity of supplement. Ohio Agricultural Experiment Station Bimonthly Bulletin 21(179):31-33; 22(186):107-108; 23(192):77-78. Mar.-April 1936, May-June 1937, May-June 1938.

8555. GERLAUGH, PAUL. Fattening steer calves - quantity of supplement test; summary of three years. Ohio Agricultural Experiment Station Bimonthly Bulletin 23(192):79-85. May-June 1938.
8556. _____ Hybrid versus open-pollinated corns for fattening steer calves. Ohio Agricultural Experiment Station Bimonthly Bulletin 25(205):124-125. July-Aug. 1940.
8557. _____ Molasses for fattening steer calves. Ohio Agricultural Experiment Station Bimonthly Bulletin 17(154):7-8. Jan.-Feb. 1932.
8558. _____ & GAY, C. W. Reducing the amount of corn and increasing the amount of legume hay in rations for fattening yearling steers. I-III. Ohio Agricultural Experiment Station Bimonthly Bulletin 22(186):105-106; 23(192):86-87; 24(198):55-56. May-June 1937, May-June 1938, May-June 1939.
8559. _____ & GAY, C. W. Reducing the corn and increasing the hay content of rations for fattening yearling steers, summary of three years. Ohio Agricultural Experiment Station Bimonthly Bulletin 24(198):57-60. May-June 1939.
8560. _____ & GAY, C. W. Relative efficiency and profitability of three grades of feeder steers. III-V. Ohio Agricultural Experiment Station Bimonthly Bulletin 19(166):5-7; 20(173):38-40; 21(179):38-40. Jan.-Feb. 1934, Mar.-April 1935, Mar.-April 1936.
8561. _____ & GAY, C. W. Relative efficiency and profitability of three grades of feeder steers (summary of four years). Ohio Agricultural Experiment Station Bimonthly Bulletin 20(173):41-44. Mar.-April 1935.
8562. _____ & ROGERS, H. W. Corn-and-cob meal versus shelled corn for fattening calves. Ohio Agricultural Experiment Station Bimonthly Bulletin 18(165):143-144. Nov.-Dec. 1933.
8563. _____ & ROGERS, H. W. Corn-and-cob meal versus shelled corn for fattening yearlings and calves. Ohio Agricultural Experiment Station Bimonthly Bulletin 21(179):34-35. Mar.-April 1936.
8564. _____ & ROGERS, H. W. Corn-and-cob meal versus shelled corn for yearlings and calves. Ohio Agricultural Experiment Station Bimonthly Bulletin 20(173):34-37. Mar.-April 1935.

8565. GERLAUGH, PAUL & ROGERS, H. W. Corn-and-cob meal versus shelled corn for fattening yearlings and calves. Summary: Three years for calves and two years for yearlings. Ohio Agricultural Experiment Station Bimonthly Bulletin 21(179):35-38. Mar.-April 1936.
8566. _____ & ROGERS, H. W. Corncobs make good beef. Ohio Farm & Home Research 33(254):148-151. Sept.-Oct. 1948.
8567. _____ & ROGERS, H. W. Quantity of protein for yearling steers on a heavy silage ration, Madison County, 1936-1937. Ohio Agricultural Experiment Station Bimonthly Bulletin 23(192):87-88. May-June 1938.
8568. _____ & ROGERS, H. W. Returns per acre in cattle feeding. Parts III-V. Ohio Agricultural Experiment Station Bimonthly Bulletin 16(151):132-134; 17(157):151-154; 18(164):129-130; 22(186):104-105. July-Aug. 1931, July-Aug. 1932, Sept.-Oct. 1933, May-June 1937.
8569. _____ & ROGERS, H. W. Returns per acre in cattle feeding: medium and late varieties of corn for silage, silage versus limited amounts of corn-and-cob meal. Ohio Agricultural Experiment Station Bimonthly Bulletin 24(198):60-61. May-June 1939.
8570. _____ & ROGERS, H. W. Returns per acre in cattle feeding; summary of three year's work. Ohio Agricultural Experiment Station Bimonthly Bulletin no. 151:135-139. July-Aug. 1931.
8571. _____ & ROGERS, H. W. Returns per acre in steer feeding from immature corn silage, mature corn silage, and corn-and-cob meal. Ohio Agricultural Experiment Station Bimonthly Bulletin 28(223):159-160. July-Aug. 1943.
8572. _____, BURROUGHS, WISE & KUNKLE, L. E. Corncobs make good beef. Ohio Farm and Home Research 34(258):76-79. May-June 1949.
8573. GEURIN, H. B. & OTHERS. Cob portion of ground ear corn as sole roughage for fattening cattle. Journal of Animal Science 14(3):797-806. Aug. 1955.
8574. GOOD, E. S. Wintering steers with and without corn silage preparatory to finishing on grass without grain. Kentucky Agricultural Experiment Station Bulletin no. 267:71-93. 1926.

8575. GOOD, E. S. & HORLACHER, L. J. Steer feeding; substituting a legume hay for corn silage toward the end of the feeding period. Kentucky Agricultural Experiment Station Bulletin no. 264:1-27. 1926.
8576. _____, HORLACHER, L. J. & GRIMES, J. C. A comparison of corn silage and sorghum silage for fattening steers. Kentucky Agricultural Experiment Station Bulletin no. 233:59-89. 1921.
8577. GOODELL, C. J. Steer feeding experiments; corn silage versus corn and soybean silage; velvet bean-and-pod meal, cottonseed meal, and varying proportions of corn and velvet bean-and-pod meal; corn, sorghum, and sunflower silages. Mississippi Agricultural Experiment Station Bulletin 222. 1924. 16 p.
8578. GREENE, S. W. & SEMPLE, ARTHUR T. Fattening steers on velvet beans. U. S. Department of Agriculture Department Bulletin no. 1333. 1925. 27 p.
8579. HAMILTON, T. S. & RUSK, H. P. A technical study of the digestibility of corn stover silage for beef cows. Illinois Agricultural Experiment Station Bulletin no. 291:465-484. 1927.
8580. HATHAWAY, I. L., DAVIS, H. P. & BRAUER, J. C. The vitamin A content of soybean silage and of A.I.V., molasses, and common corn silages, and the effect of feeding these materials upon the vitamin A content of milk. Nebraska Agricultural Experiment Station Research Bulletin 101. 1938. 14 p.
8581. HAZEN, M. W. & COMFORT, JAMES E. Comparison of corn and corn-molasses mixture for fattening beef calves before and after weaning. U. S. Department of Agriculture Technical Bulletin no. 862. 1943. 11 p.
8582. HELMAN, MAURICIO B. Empleo del maiz en el engorde de novillos. Campo y Suelo Argentino 32(384):22-27, 31. Oct. 1948.
8583. HENDERSON, H. O. & GIFFORD, WARREN. Sunflower silage vs. corn silage for milk production. West Virginia Agricultural Experiment Station Bulletin 210. 1927. 23 p.
8584. HOFFMAN, E. N., BOGART, RALPH & BURRIS, M. J. Corn, barley, and bonemeal for fattening cattle rations in the Snake River Valley, Oregon. Oregon Agricultural Experiment Station Bulletin 528. 1952. 12 p.

8585. HOPKINS, CYRIL GEORGE. Composition and digestibility of corn ensilage, cow pea ensilage, soja bean ensilage, and corn-fodder. Illinois Agricultural Experiment Station Bulletin no. 43:181-208. 1896.
8586. _____ Composition and digestibility of corn-fodder and corn stover. Illinois Agricultural Experiment Station Bulletin no. 58:361-370. 1900.
8587. HOPPER, T. H. & OTHERS. Corn versus barley for fattening steers. North Dakota Agricultural Experiment Station Bulletin 290. 1938. 18 p.
8588. HUNT, R. E. Wintering two-year-old steers preparatory to finishing on grass the following summer. Virginia Agricultural Experiment Station Bulletin 215. 1917. 15 p.
8589. JACOB, M. & DUNCAN, H. R. A comparison of cottonseed meal, cottonseed meal and tankage, peanut oil meal, and soybean oil meal, fed with corn silage for fattening two-year-old steers. Tennessee Agricultural Experiment Station Bulletin no. 167. 1938. 11 p.
8590. _____ & DUNCAN, H. R. A comparison of normal corn silage with grainless corn silage for finishing beef cattle. Tennessee Agricultural Experiment Station Bulletin no. 144. 1930. 22 p.
8591. _____ & DUNCAN, H. R. Comparison of shock corn, crib corn, and corn silage on an acre basis for finishing two-year-old cattle. Tennessee Agricultural Experiment Station Bulletin no. 178. 1942. 23 p.
8592. _____ & OTHERS. A comparison of shelled corn, ground shelled corn, and ground snapped corn for winter-finishing baby beeves. Tennessee Agricultural Experiment Station Circular no. 69. 1940. 4 p.
8593. JONES, J. M., BREWER, R. A. & DICKSON, R. E. Grain sorghums versus corn for fattening baby beeves. Texas Agricultural Experiment Station Bulletin no. 296. 1922. 25 p.
8594. _____, LUSH, J. L. & JONES, J. H. I. Fattening steers on cottonseed meal and cottonseed hulls with and without corn. II. The influence of age on fattening steers. Texas Agricultural Experiment Station Bulletin no. 309. 1923. 31 p.

8595. KENNEDY, W. J. & MARSHALL, F. R. The results of a cattle feeding test conducted on Brookmont Farms, Odebolt, Iowa, to determine the value of condimental foods (stock foods), the by-products of corn, flaxseed and cottonseed, and dried blood, when fed in conjunction with corn; also as to the advisability of changing cattle on a full grain ration from dry feed to grass. Iowa Agricultural Experiment Station Bulletin no. 66:223-255. 1902.
8596. _____ & OTHERS. The feeding value of soft corn for beef production. Iowa Agricultural Experiment Station Bulletin no. 75:115-133. 1904.
8597. KLOSTERMAN, EARLE W. & KUNKLE, L. E. Acre yields of beef from corn and meadow crops. Ohio Agricultural Experiment Station Research Bulletin 753. 1955. 18 p.
8598. LANGFORD, LARKIN H. & DOUGLAS, RAYMOND J. Fattening yearling steers on corn silage and supplements. North Dakota Agricultural Experiment Station Bimonthly Bulletin 19(1): 4-7. Sept.-Oct. 1956.
8599. LEINBACH, FRED H. Cattle feeding experiments, 1938-1939, 1939-1940. 1940-1941, 1941-1942. Maryland Agricultural Experiment Station Bulletin no. A20:249-269. 1942.
8600. McCAMPBELL, C. W. & WINCHESTER, H. B. Cattle feeding investigations, 1919-20. I. The maximum economical utilization of silage in fattening aged steers. Kansas Agricultural Experiment Station Circular 86. 1921. 11 p.
8601. _____ & WINCHESTER, H. B. Cattle feeding investigations, 1920-21. Kansas Agricultural Experiment Station Circular 92. 1921. 13 p.
8602. _____, ANDERSON, B. M. & MARSTON, H. W. Cattle feeding investigations, 1923-24. Kansas Agricultural Experiment Station Circular 117. 1925. 11 p.
8603. _____, ANDERSON, B. M. & MARSTON, H. W. Cattle feeding investigations, 1924-25. Kansas Agricultural Experiment Station Circular 128. 1926. 14 p.
8604. _____, WINCHESTER, H. B. & MARSTON, H. W. Cattle feeding investigations, 1921-22. Kansas Agricultural Experiment Station Circular 97. 1923. 8 p.

8605. McCOMAS, EARL W., DOUGLAS, JAMES R. & SOUTHWELL, BYRON L. Corn-molasses mixtures compared with corn for fattening beef cattle in the Coastal Plain area. U. S. Department of Agriculture Technical Bulletin no. 864. 1943. 10 p.
8606. MAIRS, THOMAS I. Methods of steer feeding: stover vs. silage; barn vs. shed; cottonseed meal vs. Ajar flakes. Pennsylvania Agricultural Experiment Station Bulletin no. 83. 1907. 16 p.
8607. MARSHALL, F. R. & BURNS, J. C. Kaffir corn and milo maize for fattening cattle. Texas Agricultural Experiment Station Bulletin no. 97. 1907. 20 p.
8608. MATSUSHIMA, J., DOWE, T. W. & ARTHAUD, V. H. Evaluation of ground corncobs and corncob components as nutritive materials in rations for beef cattle. Nebraska Agricultural Experiment Station Research Bulletin 185. 1957. 19 p.
8609. MILLER, J. I. & MORRISON, F. B. Comparative value of mixed hay and corn silage for wintering beef cows. Journal of Animal Science 9(2):243-247. May 1950.
8610. MUMFORD, HERBERT W. Comparison of methods of preparing corn and clover hay for fattening steers. Illinois Agricultural Experiment Station Bulletin no. 103:42-93. 1905.
8611. _____ Comparison of silage and shock corn for wintering calves intended for beef production. Illinois Agricultural Experiment Station Bulletin no. 73:269-282. 1902.
8612. _____ Feeds supplementary to corn for fattening steers. Illinois Agricultural Experiment Station Bulletin no. 83:541-576. 1903.
8613. NEAL, W. M. & BECKER, R. B. The composition of feedstuffs in relation to nutritional anemia in cattle. Journal of Agricultural Research 47(4):249-255. Aug. 15, 1933.
8614. NOURSE, D. O. Steer feeding. Virginia Agricultural Experiment Station Bulletin no. 105:181-187. 1899.

8615. NOURSE, D. O. Steer feeding. Virginia Agricultural Experiment Station Bulletin no. 121:13-19. 1901.
8616. OTIS, D. H. Corn ensilage for steers. Kansas Agricultural Experiment Station Bulletin no. 136:149-150. 1906.
8617. _____ Shelled corn compared with corn chop for young calves. Kansas Agricultural Experiment Station Bulletin no. 119:26-28. 1903.
8618. PERRY, T. W. & BEESON, W. M. Corn cobs, popcorn cobs, cotton-seed hulls and grass silage as roughages for growing steers. American Society of Farm Managers and Rural Appraisers. Journal 16(2):157-162. Oct. 1952.
8619. PETERS, W. H. Grinding shelled corn, barley, and alfalfa hay; feeding cane molasses to fattening cattle; peat land hay as roughage for cattle. Minnesota Agricultural Experiment Station Bulletin 274. 1931. 27 p.
8620. PEW, W. H., EVVARD, JOHN M. & DUNN, RUSSELL. Limiting the grain ration for fattening cattle. Iowa Agricultural Experiment Station Bulletin no. 182:313-344. 1918.
8621. PFANDER, W. H. & OTHERS. Digestibility of wheat, sudan grass and drouth corn silages by wethers and steers. Missouri Agricultural Experiment Station Research Bulletin 628. 1957. 8 p.
8622. QUESENBERRY, J. R. Steer feeding in the sugar-cane belt. U. S. Department of Agriculture Department Bulletin no. 1318. 1925. 14 p.
8623. RIEDEL, B. B. & ARNOLD, J. L. The effect of pasture crops with and without supplemental corn feeding and dry-lot management for beef production and nematode control. Journal of Animal Science 15(2):537-542. May 1956.
8624. ROGERS, H. W. & BOHSTED, G. Shock corn for yearling steers. Ohio Agricultural Experiment Station Bimonthly Bulletin 12(6):178-180. Nov.-Dec. 1927.
8625. _____ & GERLAUGH, PAUL. Ground oats as a partial substitute for shelled corn; steers fed at Madison County Experiment Farm. Ohio Agricultural Experiment Station Bimonthly Bulletin 13(5):172-173. Sept.-Oct. 1928.

8626. RUSK, H. P. & SNAPP, R. R. The utilization of soft corn in beef cattle feeding. Illinois Agricultural Experiment Station Bulletin no. 313. 1928. 28 p.
8627. SHEETS, E. W. & TUCKWILLER, R. H. Effects of winter rations on pasture gains of beef calves and yearlings. West Virginia Agricultural Experiment Station Bulletin 186. 1924. 34 p.
8628. _____ & TUCKWILLER, R. H. Effect of winter rations on pasture gains of calves. I. Winter rations and their influence on pasture gains of calves. II. The cost of rations for wintering calves. U. S. Department of Agriculture Bulletin no. 1042. 1922. 15 p.
8629. _____ & TUCKWILLER, R. H. Effect of winter rations on pasture gains of 2-year-old steers. I. Winter rations and their influence on pasture gains of 2-year-old steers. II. The cost of rations for wintering 2-year-old steers. U. S. Department of Agriculture Department Bulletin no. 1251. 1924. 24 p.
8630. _____ & TUCKWILLER, R. H. Effect of winter rations on gains of calves marketed as 3-year-old steers. U. S. Department of Agriculture Department Bulletin no. 1431. 1926. 11 p.
8631. _____ & TUCKWILLER, R. H. Effect of winter rations on pasture gains of yearling steers. I. Winter rations and their influence on pasture gains of yearling steers. II. The use of silage and the cost of rations for wintering yearling steers. U. S. Department of Agriculture Bulletin no. 870. 1920. 20 p.
8632. _____ & TUCKWILLER, R. H. Feeding experiments with grade cows raising calves. West Virginia Agricultural Experiment Station Bulletin 190. 1925. 20 p.
8633. _____ & TUCKWILLER, R. H. Feeding experiments with grade beef cows raising calves. I. Rations, gains and losses in weight, and calves produced. II. Costs of the rations and of raising calves to weaning age. U. S. Department of Agriculture Bulletin no. 1024. 1922. 17 p.
8634. SHEPPERD, J. H. Grass fat cattle warmed up on corn fodder with a straw shed as shelter. North Dakota Agricultural Experiment Station Bulletin 140. 1920. 8 p.

8635. SKINNER, J. H. & COCHEL, W. A. Steer feeding. II. Winter steer feeding, 1906-07, 1907-08. Indiana (Purdue) Agricultural Experiment Station Bulletin no. 129:231-278. 1908.
8636. _____ & COCHEL, W. A. Steer feeding. IV. Winter steer feeding, 1908-09. Indiana (Purdue) Agricultural Experiment Station Bulletin no. 136. 1909. 48 p.
8637. _____ & KING, F. G. Cattle feeding. X. Winter steer feeding, 1913-14. Indiana (Purdue) Agricultural Experiment Station Bulletin no. 178:341-384. 1914.
8638. _____ & KING, F. G. Cattle feeding. XII. Winter steer feeding, 1915-16. Indiana (Purdue) Agricultural Experiment Station Bulletin no. 191. 1916. 35 p.
8639. _____ & KING, F. G. Cattle feeding. XIII. Winter steer feeding, 1916-17. Indiana (Purdue) Agricultural Experiment Station Bulletin no. 206. 1917. 27 p.
8640. _____ & KING, F. G. Cattle feeding. XVII. Winter steer feeding, 1920-21. Indiana (Purdue) Agricultural Experiment Station Bulletin no. 255. 1921. 8 p.
8641. _____ & KING, F. G. Cattle feeding; winter steer feeding, 1931-1932. Indiana (Purdue) Agricultural Experiment Station Bulletin no. 396. 1935. 11 p.
8642. _____ & KING, F. G. Cattle feeding; winter steer feeding. Indiana (Purdue) Agricultural Experiment Station Bulletin no. 265. 1922. 23 p.
8643. _____ & KING, F. G. Cattle feeding; winter steer feeding, 1919-1920. Indiana (Purdue) Agricultural Experiment Station Bulletin no. 249. 1920. 7 p.
8644. _____ & KING, F. G. Cattle feeding, 1937-1938. Indiana (Purdue) Agricultural Experiment Station Bulletin no. 433. 1938. 12 p.
8645. _____ & KING, F. G. Corn silage, the keystone of economical cattle feeding. Indiana (Purdue) Agricultural Experiment Station Bulletin no. 235. 1920. 11 p.

8646. SKINNER, J. H. & KING, F. G. Steer feeding. VIII. Winter steer feeding, 1911-12. Indiana (Purdue) Agricultural Experiment Station Bulletin no. 163:711-749. 1912.
8647. _____ & KING, F. G. Steer feeding. IX. Winter steer feeding, 1912-13. Indiana (Purdue) Agricultural Experiment Station Bulletin no. 167. 1913. 43 p.
8648. _____ & KING, F. G. Steer feeding. XI. Winter steer feeding, 1914-15. Indiana (Purdue) Agricultural Experiment Station Bulletin no. 183. 1915. 8 p.
8649. _____ & STARR, C. G. Cattle feeding. XIV. Winter steer feeding, 1917-18. Indiana (Purdue) Agricultural Experiment Station Bulletin no. 220. 1918. 26 p.
8650. _____ & VESTAL, C. M. Cattle feeding. XV. Winter steer feeding, 1918-19. Indiana (Purdue) Agricultural Experiment Station Bulletin no. 240. 1919. 23 p.
8651. _____, KING, F. G. & RUSK, H. P. Steer feeding. VII. Winter steer feeding, 1909-10 and 1910-11. Indiana (Purdue) Agricultural Experiment Station Bulletin no. 153 (vol. 16). 1911. 67 p.
8652. SMITH, H. R. Cattle feeding experiments: I. Roughness supplementary to corn for two-year-old steers the first half of the fattening period. II. Protein concentrates vs. alfalfa as foods supplementary to corn for two-year-old range steers the second half of the fattening period. Nebraska Agricultural Experiment Station Bulletin no. 93. 1906. 23 p.
8653. _____ Cattle feeding experiment; roughness supplementary to corn for fattening two-year-old range steers. Nebraska Agricultural Experiment Station Bulletin no. 90. 1901. 23 p.
8654. SNELL, M. G. Blackstrap molasses and corn-soybean silage for fattening steers. Louisiana Agricultural Experiment Station Bulletin no. 266. 1935. 22 p.
8655. _____ & OTHERS. Fattening steers on corn, rice products, and rice straw. Louisiana Agricultural Experiment Station Bulletin no. 389. 1945. 25 p.
8656. SOULE, ANDREW M. & FAIN, JOHN R. Stall feeding versus grazing. Virginia Agricultural Experiment Station Bulletin no. 164:49-88. 1907.

8657. STARKEY, L. V. & SALMON, W. D. Comparison of shelled corn, rice meal, and velvet beans for fattening steers. South Carolina Agricultural Experiment Station Bulletin 214. 1922. 8 p.
8658. THALMAN, R. R. Corn and alfalfa substitutes for fattening cattle. Nebraska Agricultural Experiment Station Bulletin 355. 1944. 40 p.
8659. TOMHAVE, W. H. & HICKMAN, C. W. Steer feeding experiments. Pennsylvania Agricultural Experiment Station Bulletin no. 133:245-272. 1914.
8660. _____ & SEVERSON, B. O. Steer feeding experiments at the Pennsylvania Agricultural Experiment Station Bulletin no. 124:23-39. 1913.
8661. _____, SEVERSON, B. O. & GERLAUGH, PAUL. Steer feeding experiments. Pennsylvania Agricultural Experiment Station Bulletin no. 145, 20 p.; no. 183, 16 p. 1917, 1923.
8662. TROWBRIDGE, E. A. & FOX, H. D. Limited use of shelled corn in fattening two-year-old cattle. Missouri Agricultural Experiment Station Bulletin 218. 1924. 14 p.
8663. VAN EWING, PERRY & WELLS, C. A. The associative digestibility of corn silage, cottonseed meal and starch in steer rations. Georgia Agricultural Experiment Station Bulletin no. 115:269-295. 1915.
8664. _____, WELLS, C. A. & SMITH, F. H. The associative digestibility of corn silage and cottonseed meal in steer rations. II. The influence exerted by corn silage and cottonseed meal on the digestion co-efficients of each other when fed in combination, as determined by means of a fractional separation of the feces. Georgia Agricultural Experiment Station Bulletin no. 125:149-164. 1917.
8665. WARD, W. F. & JERDAN, S. S. Five years' calf-feeding work in Alabama and Mississippi. U. S. Department of Agriculture Bulletin no. 631. 1918. 54 p.

8666. WARD, W. F., CURTIS, R. S. & PEDEN, F. T. Wintering and fattening beef cattle in North Carolina. U. S. Department of Agriculture Bulletin no. 628. 1918. 53 p.
8667. _____, GRAY, DAN T. & LLOYD, E. R. A comparison of roughages for fattening steers in the South. U. S. Department of Agriculture Bulletin no. 762. 1919. 36 p.
8668. _____, GRAY, DAN T. & LLOYD, E. R. Fattening steers on summer pasture in the South. U. S. Department of Agriculture Bulletin no. 777. 1919. 24 p.
8669. _____, JERDEN, S. S. & LLOYD, E. R. A comparison of concentrates for fattening steers in the South. I. The comparative value of cottonseed meal, cold-pressed cottonseed cake, and a mixture of cottonseed meal and corn for fattening steers. II. A comparison of cottonseed meal, cottonseed meal and broken-ear corn, and cottonseed meal and shelled corn for fattening steers. U. S. Department of Agriculture Bulletin no. 761. 1919. 16 p.
8670. WASTE CORN cobs now and have future in Indiana too. What's New in Crops & Soils 2(5):27. Feb. 1950.
8671. WILSON, C. V., TUCKWILLER, R. H. & SHEETS, E. W. Effect of winter rations on pasture gains of calves marketed as three-year-old steers. West Virginia Agricultural Experiment Station Bulletin 218. 1928. 15 p.
8672. WILSON, JAMES W. Corn silage and roots for steers. South Dakota Agricultural Experiment Station Bulletin no. 137:352-367. 1912.
8673. _____ Corn silage for steers. South Dakota Agricultural Experiment Station Bulletin no. 148:329-344. 1914.
8674. _____ Silage and grains for steers. South Dakota Agricultural Experiment Station Bulletin no. 160:193-224. 1915.

8675. WILSON, JAMES W. Stacked green corn for cattle. South Dakota Agricultural Experiment Station Bulletin 229. 1928. 8 p.
8676. _____ & BUSHEY, ALFRED L. Soft corn for fattening cattle. South Dakota Agricultural Experiment Station Bulletin 219. 1926. 18 p.
8677. _____ & KUHLMAN, ARTHUR H. Corn and millet silage for fattening cattle. South Dakota Agricultural Experiment Station Bulletin no. 189: 205-220. 1920.

Dairy Cattle
(Ganado Lechero)

8678. ALBRITTON, R. C. Sorghum and corn silage compared in dairy feed study. Mississippi Farm Research 17(6):6. June 1954.
8679. BABCOCK, C. J. Effect of feeding green alfalfa and green corn on flavor and odor of milk. U. S. Department of Agriculture Department Bulletin no. 1190. 1923. 12 p.
8680. BARTLETT, STEPHEN. Does sprouting increase the nutritional value of grain? Empire Journal of Experimental Agriculture 7(27):244-250. July 1939.
8681. BATEMAN, GEORGE Q. & CAINE, GEORGE B. Wet beet pulp compared with corn silage in the dairy ration. Utah Agricultural Experiment Station Bulletin 239. 1932. 40 p.
8682. BECKER, R. B. & GALLUP, WILLIS D. Grain losses in feeding corn silage to dairy cows. Journal of Agricultural Research 39(3):223-227. Aug. 1, 1929.

8683. BURNETT, J. E. & REED, O. E. Barley compared to corn in dairy rations; experimental work shows barley compares favorably with corn for feeding dairy cows. Michigan Agricultural Experiment Station Quarterly Bulletin 10(1):3-5. Aug. 1927.
8684. CARLYLE, W. L., DANKS, J. R. & MORTON, G. E. Soiling crops for dairy cows in Wisconsin. Wisconsin Agricultural Experiment Station Bulletin no. 103. 1903. 14 p.
8685. CARROLL, W. E. Corn silage in a dairy ration. Utah Agricultural Experiment Station Bulletin 190. 1924. 11 p.
8686. CLARK, R. W. Clover and corn silage as feeds for dairy cows. Montana Agricultural Experiment Station Bulletin no. 94:33-54. 1913.
8687. CONNER, C. M. Feeding corn stover. South Carolina Agricultural Experiment Station Bulletin no. 66:3-8. 1902.
8688. CONVERSE, HENRY T. & WISEMAN, HERBERT G. Corn silage as the sole roughage for dairy cattle. U. S. Department of Agriculture Technical Bulletin no. 1057. 1952. 16 p.
8689. CUNNINGHAM, W. S. & REED, J. R. Japanese Honeydrip sorghum silage versus June corn silage for milk production. Arizona Agricultural Experiment Station Bulletin no. 122:143-155. 1927.
8690. De ALBA, JORGE & OTROS. Valor nutritivo de la cascara de cacao para produccion de leche en comparacion con maiz molido y harina de yuca. Turrialba 4(1):29-34. Enero-Mar. 1954.
8691. FAIN, JOHN R. & JARNAGIN, MILTON P. Grains to supplement skim-milk for calves. Virginia Agricultural Experiment Station Bulletin no. 172:81-94. 1907.
8692. FLINT, P. N. Sorghum vs. corn meal as a source of carbohydrates for dairy cattle. Georgia Agricultural Experiment Station Bulletin no. 86:17-27. 1909.
8693. FLIPSE, R. J. Effect of corn silage on the growth, reproductive development and semen production of young dairy bulls. Journal of Animal Science 16(1):158-164. Feb. 1957.

8694. FRASER, WILBER J. Crops for the silo, cost of filling, and effect of silage on the flavor of milk. Illinois Agricultural Experiment Station Bulletin no. 101:627-646. 1905.
8695. FRYE, JENNINGS B., THOMASON, JOHN H. & HENDERSON, HERBERT B. Sweet potato meal versus ground corn in the ration of dairy cows. Journal of Dairy Science 31(5):341-346. May 1948.
8696. GAMBLE, JAMES A. & KELLY, ERNEST. The effect of silage on the flavor and odor of milk. U. S. Department of Agriculture Bulletin no. 1097. 1922. 24 p.
8697. GARRETT, O. F. & BOSSHARDT, D. K. Effect of feeding silages on certain properties of milk: I. Effect on the yellow color and flavor of winter milk; II. Influence on the vitamin A content and distribution of carotenoid pigments in milk fat; III. Effect of various storage conditions on the stability of carotenoid pigments in butter. New Jersey Agricultural Experiment Station Bulletin 710. 1944. 30 p.
8698. HAYDEN, C. C. & MONROE, C. F. Wheat as a substitute for corn in the dairy ration. Ohio Agricultural Experiment Station Bimonthly Bulletin no. 153: 203-208. 1931.
8699. HIGUCHI, KIYOSHI, PRICE, W. V. & PETERSON, W. H. Relation of corn and alfalfa silage to the quality of cheese and its carotene and vitamin A content. Journal of Dairy Science 29(3):157-162. Mar. 1946.
8700. HILTON, J. H., WILBUR, J. W. & HIENTON, T. E. The value of grinding grains for young dairy calves. Indiana (Purdue) Agricultural Experiment Station Bulletin no. 373. 1933. 4 p.
8701. HOLDAY, C. W. Dried apple pomace compared with dried beet pulp and with corn silage in feeding dairy cows for milk production. Virginia Agricultural Experiment Station Bulletin 243. 1925. 11 p.
8702. _____, ELLETT, W. B. & EHEART, J. F. Methods of balancing rations for dairy cows in digestibility trials with corn meal. Virginia Agricultural Experiment Station Technical Bulletin 38. 1929. 10 p.

8703. HUFFMAN, C. F. & DUNCAN, C. W. Comparison of silages made from field corn (Ohio M15) and silage corn (Eureka) for milk production. *Journal of Dairy Science* 39(7): 998-1005. July 1956.
8704. _____ & DUNCAN, C. W. Corn kernels in feces of dairy cattle fed corn silage. *Michigan Agricultural Experiment Station Quarterly Bulletin* 41(3):539-543. Feb. 1959.
8705. _____ & DUNCAN, C. W. Corn silage as a source of the unidentified grain factor(s) needed for milk production. *Michigan Agricultural Experiment Station Quarterly Bulletin* 37(1):23-26. Aug. 1954.
8706. _____ & DUNCAN, C. W. The nutritive value of alfalfa hay. III. Corn as a supplement to an all-alfalfa hay ration for milk production. *Journal of Dairy Science* 32(5):465-474. May 1949.
8707. _____ & DUNCAN, C. W. The nutritive value of alfalfa hay. IV. Beet pulp, corn gluten meal and soybean oil meal as supplements to an all-alfalfa hay ration for milk production. *Journal of Dairy Science* 33(10):710-720. Oct. 1950.
8708. _____ & DUNCAN, C. W. The nutritive value of corn silage for milking cows. *Journal of Dairy Science* 37(8):957-966. Aug. 1954.
8709. HUNT, R. E. Wintering dairy heifers. *Virginia Agricultural Experiment Station Bulletin* 219. 1918. 20 p.
8710. _____ Wintering dairy heifers. *Virginia Agricultural Experiment Station Bulletin* 225. 1921. 15 p.
8711. JONES, ROY C. Oats and vetch versus corn or sunflowers for silage. *Oregon Agricultural Experiment Station Bulletin* 194. 1922. 20 p.
8712. JORDAN, W. H. & JENTER, C. G. Digestion and feeding experiments: I. The new corn product. II. The calculation of the value of rations; (1) digestibility; (2) nutritive effect. *New York (Cornell) Agricultural Experiment Station Bulletin* no. 141:689-720. 1897.

8713. KING, WILLIS A. Comparison of molasses-soybean silage and corn meal-soybean silage as feeds for the milking cow. New Jersey Agricultural Experiment Station Bulletin 713. 1944. 20 p.
8714. KRAUSS, W. E., MONROE, C. F. & HAYDEN, C. C. Dry feed systems of raising calves. Ohio Agricultural Experiment Station Bimonthly Bulletin 20(173):45-51. Mar.-April 1935.
8715. LaMASTER, J. P. & MORROW, K. S. Corn silage versus sweet sorghum silage for milk production. South Carolina Agricultural Experiment Station Bulletin 254. 1929. 32 p.
8716. LASSITER, C. A. & OTHERS. Corn versus oat silages as a roughage for dairy cattle. Journal of Dairy Science 41(9):1282-1285. Sept. 1958.
8717. LOOSLI, J. K. & WARNER, R. G. Value of corn and milo distillers feeds for milk production. Journal of Dairy Science 40(5):487-491. May 1957.
8718. McCANDLISH, A. C. & WEAVER, EARL. A comparison of roughages for milk production. Iowa Agricultural Experiment Station Bulletin no. 212:273-286. 1923.
8719. _____ & WEAVER, G. E. The preparation of corn for dairy cows. Iowa Agricultural Experiment Station Bulletin no. 195:297-304. 1921.
8720. MICHELS, JOHN & BURGESS, J. M. Cotton seed meal and corn silage as a ration for dairy cows. South Carolina Agricultural Experiment Station Bulletin 131. 1907. 11 p.
8721. MONROE, C. F. & HAYDEN, C. C. The possibility of a home-grown dairy ration. Ohio Agricultural Experiment Station Bimonthly Bulletin no. 158:172-178. Sept.-Oct. 1932.
8722. _____, HAYDEN, C. C. & PERKINS, A. E. Corn silage versus a mixture of wet beet pulp and molasses for milk production. Ohio Agricultural Experiment Station Bimonthly Bulletin no. 148:3-8. Jan.-Feb. 1931.

8723. MONROE, C. F., KRAUSS, W. E. & HAYDEN, C. C. Menhaden fish meal as a protein supplement for dairy cows. Ohio Agricultural Experiment Station Bimonthly Bulletin 20(176): 176-183. Sept.-Oct. 1935.
8724. MOSELEY, T. W., STUART, DUNCAN & GRAVES, R. R. Dairy work at the Huntley Field Station, Huntley, Mont., 1918-1927. U. S. Department of Agriculture Technical Bulletin no. 116. 1929. 48 p.
8725. NEVENS, W. B. Making high quality silage for dairy cattle. Illinois College of Agriculture Extension Service Circular 686. 1951. 24 p.
8726. Silage crops for dairy cattle. Illinois Agricultural Experiment Station Circular 463. 1936. 16 p.
8727. Types and varieties of corn for silage; yield of nutrients; composition; feeding value for milk production. Illinois Agricultural Experiment Station Bulletin no. 391:65-124. 1933.
8728. & OTHERS. High-protein corn as a source of protein for dairy cows. Illinois Agricultural Experiment Station Bulletin 586. 1955. 21 p.
8729. OLSON, THOMAS M. Feeding dairy cattle. South Dakota Agricultural Experiment Station Bulletin no. 195:357-372. 1921.
8730. OWEN, J. R. & OTHERS. Corn silage leads sorghum in dairy feeding test. Mississippi Agricultural Experiment Station Farm Research 18(4):6, 7. April 1955.
8731. PERKINS, A. E. Proportion of protein needed in the grain mixture fed with pasture. III. Ohio Agricultural Experiment Station Bimonthly Bulletin 19(167):44-48. Mar. April 1934.
8732. , HAYDEN, C. C. & MONROE, C. F. Does the feeding of corn silage to dairy cows lead to acidosis? Ohio Agricultural Experiment Station Bimonthly Bulletin no. 148:8-11. Jan.-Feb. 1931.

8733. PORTER, A. R. How much corn silage in the dairy ration. Iowa Farm Science 5(2):16. Aug. 1950.
8734. _____ & ALLEN, R. S. Dairy cows like ground corn in grass silage. Iowa Farm Science 9(4):6-7. Oct. 1954.
8735. RAMSEY, D. S. & MILES, J. T. Cottonseed vs. cottonseed meal and corn as a protein source in a concentrated mixture for dairy cows. Journal of Dairy Science 36(12):1308-1312. Dec. 1953.
8736. SMITH, CLINTON D. Feeding corn smut to dairy cows. Michigan Agricultural Experiment Station Bulletin no. 137:41-46. 1896.
8737. SOULE, ANDREW M., FAIN, JOHN R. & JARNAGIN, MILTON P. Protein requirements for dairy cows. Virginia Agricultural Experiment Station Bulletin no. 169:291-313. 1907.
8738. THOMAS, J. W., SYKES, J. F. & MOORE, L. A. Comparison of alfalfa hay and alfalfa silage alone and with supplements of grain, hay, or corn silage for growing dairy calves. Journal of Dairy Science 42(4):651-657. April 1959.
8739. VALDIVIESO C., ALFONSO & De ALBA, JORGE. Uso del maiz y la harina de yuca en mezclas simples para criar terneras de lecheria. Turrialba 8(4):148-152. Oct.-Dic. 1958.
8740. WARNER, R. G., LOOSLI, J. K. & DAVIS, R. F. A study of the value of corn distillers dried grains, coconut oil meal, and corn gluten feed for milk production. Journal of Dairy Science 40(2):123-127. Feb. 1957.
8741. WAUGH, R. K. & OTHERS. Additions of hay to corn silage to maximize feed intake and milk production. Journal of Dairy Science 38(6):688-692. June 1955.
8742. WHEELER, W. P. Corn silage for milch cows. New York (Cornell) Agricultural Experiment Station Bulletin (New series) no. 97:471-511. 1895.
8743. WHITE, GEORGE C. & JOHNSON, ROBERT E. Corn silage feeding investigations (Fifth paper). Relative feeding values of the dry matter of different types of silage corn ensiled at different stages of maturity. Connecticut (Storrs) Agricultural Experiment Station Bulletin no. 159:313-323. 1929.

8744. WHITE, GEORGE C. & JOHNSON, R. E. Corn silage feeding investigations (Ninth paper). The role of succulence in the dairy ration and water consumption with different rations. Connecticut (Storrs) Agricultural Experiment Station Bulletin 198. 1934. 35 p.
8745. _____ & KUELLING, J. A. Experiments in calf feeding: corn silage; whole milk dilutions. Connecticut (Storrs) Agricultural Experiment Station Bulletin no. 102:89-136. 1919.
8746. _____ & PRATT, AVERY D. Corn silage feeding investigations (Eighth paper). Optimum amount of silage in the dairy ration for economical production. Connecticut (Storrs) Agricultural Experiment Station Bulletin no. 169:233-251. 1930.
8747. _____, JOHNSON, R. E. & CONNELLY, R. G. Corn silage feeding investigations (Seventh paper). Variations in hay consumption of dairy cattle with corn silages of different dry matter content. Connecticut (Storrs) Agricultural Experiment Station Bulletin no. 167:189-203. 1930.
8748. _____ & OTHERS. A comparison of early, medium and late maturing varieties of silage corn for milk production. Connecticut (Storrs) Agricultural Experiment Station Bulletin no. 121:173-211. 1924.
8749. WILBUR, J. W. Grinding grains for dairy cows. Indiana (Purdue) Agricultural Experiment Station Bulletin no. 372. 1933. 8 p.
8750. WOODWARD, T. E. Dairy experiments at Beltsville find corn and alfalfa most profitable. In U. S. Department of Agriculture. What's new in agriculture, the yearbook of agriculture, 1928. Washington, D. C., U. S. Government Printing Office, 1928. pp. 252-253.
8751. _____ & OTHERS. The open shed compared with the closed barn for dairy cows. U. S. Department of Agriculture Bulletin no. 736. 1918. 13 p.
8752. WORK, SAMUEL H., LEWY VAN SEVEREN, MARIO & ESCALON, LUIS. Informe preliminar del valor de la pulpa de cafe seca como substituto del maiz en la racion de vacas lecheras. Cafe de El Salvador 16(185):773-780. Sept. 1946.

Horses, Mules
(Caballos, Mulas)

8753. CARMICHAEL, B. E. Corn and oats for work horses; a comparison of their efficiency and economy in feeding. Ohio Agricultural Experiment Station Monthly Bulletin 2(1):7-9. Jan. 1917.
8754. _____ Feeding work horses; a comparison of corn and oats. Ohio Agricultural Experiment Station Bulletin no. 195: 245-263. 1908.
8755. KENNEDY, W. J., ROBBINS, E. T. & KILDEE, H. H. The value of corn, oil meal, cottonseed meal, and gluten feed in work horse rations. Iowa Agricultural Experiment Station Bulletin no. 109:415-445. 1910.
8756. LINDSEY, J. B., BEALS, C. L. & ARCHIBALD, J. G. The digestibility and energy values of feeds for horses. Journal of Agricultural Research 32(6):569-604. Mar. 15, 1926.
8757. McCAMPBELL, C. W. Feeding work horses. Kansas Agricultural Experiment Station Circular no. 62. 1917. 16 p.
8758. PATTERSON, H. J. Horse feeding; tests of the digestibility of whole and ground oats, shelled corn and corn meal, timothy hay and the new corn product; also a trial of some rations, using the new corn product as a substitute for hay. Maryland Agricultural Experiment Station Bulletin no. 51:9-46. 1897.
8759. TROWBRIDGE, E. A. Corn versus oats for work mules. Missouri Agricultural Experiment Station Bulletin no. 114:307-325. 1913.
- a8751. _____ Corn versus oats for work mules. Missouri Agricultural Experiment Station Circular 125. 1924. 4 p.

Poultry
(Aves de Corral)

- a8752. ACKERSON, C. W., BLISH, M. J. & MUSSEHL, F. E. The utilization of food elements by growing chicks. VII. A comparison of corn and kalo in a ration for growing chicks. Nebraska Agricultural Experiment Station Research Bulletin 109. 1939. 8 p.
- a8753. _____, BORCHERS, R. L. & MUSSEHL, F. E. Utilization of food elements by growing chicks. XIII. The effect of additions of dehydrated alfalfa meal to high corn chick rations. Nebraska Agricultural Experiment Station Research Bulletin 168. 1951. 10 p.
- a8754. _____, HAM, W. E. & MUSSEHL, F. E. The utilization of food elements by growing chicks. X. A comparison of open-pollinated and hybrid corn in a ration for growing chicks. Nebraska Agricultural Experiment Station Research Bulletin 144. 1946. 5 p.
- a8755. BOLTON, W. The digestibility of the carbohydrate complex of barley, wheat and maize by adult fowls. Journal of Agricultural Science 46(1):119-122. June 1955.
- a8756. CARLSON, C. W. & OTHERS. The effect of drying on the nutritive value of corn. South Dakota Farm and Home Research 10(2):22-24. Feb. 1959.
- a8757. CORTES, F. L. & FRONDA, F. M. Corn-and-cob meal in a ration for laying hens. Philippine Agriculturist 42(2-3):110. July-Aug. 1958.
- a8758. DAVIDSON, J. A. Continuous hopper feeding of corn and oats to laying pullets. Michigan Agricultural Experiment Station Quarterly Bulletin 19(1):3-6. Aug. 1936.
- a8759. DRAPER, C. I. The nutritive value of corn oil meal and feather protein. Iowa Agricultural Experiment Station Research Bulletin no. 326:161-184. 1944.
8760. GOODEARL, GEORGE P. Comparison of proso millet and yellow corn for feeding laying hens. North Dakota Agricultural Experiment Station Bulletin 329. 1943. 23 p.

8761. GOODEARL, GEORGE P. & MOORE, FRANK E. Turkey feeding.
I. Proso millet - a substitute for yellow corn in
the ration for growing turkeys. II. Feeding of mash
in pellet form to growing turkeys. North Dakota
Agricultural Experiment Station Bulletin 303. 1941.
22 p.
8762. GRANER, E. A. A influencia dos pigmentos amarelo - laranja
da semente de milho na coloracao da gema de ovo de
galhina. Escola Superior de Agricultura "Luiz de
Queiroz" (Brasil) Anais 3:425-436. 1946.
Abstract in English.
8763. _____ & BERGAMIN, A. Observacoes sobre a quantidade de
milho amarelo necessaria para prevenir a avitaminose
a em pintos. Escola Superior de Agricultura "Luiz de
Queiroz" (Brasil) Anais 6:107-115. 1949.
Abstract in English.
8764. _____ & TORRES, A. P. Os pigmentos amarelo - laranja
do grao de milho como precursores da vitamina A na
alimentacao dos pintos. Escola Superior de Agri-
cultura "Luiz de Queiroz" (Brasil) Anais 4:289-306.
1947.
Abstract in English.
8765. HEYWANG, BURT W. The effect of supplemental methionine in
a corn-soybean diet for laying chickens. Poultry
Science 35(2):462-468. Mar. 1956.
8766. HOGAN, ALBERT G., SHREWSBURY, CHARLES L. & KEMPSTER, HARRY L.
Rapid growth of chicks on rations of natural food-
stuffs. Journal of Agricultural Research 37(2):115-
121. July 15, 1928.
8767. HUNT, C. H., RECORD, P. R. & BETHKE, R. M. Observations on
the vitamin G requirement of the chicken. Ohio Agri-
cultural Experiment Station Bimonthly Bulletin 21(183):
127-130. Nov.-Dec. 1936.
8768. JACOBSON, H. G. M. A technique for introducing radioactive
phosphorus into the grain of growing corn. Plant
Physiology 23(4):636-637. Oct. 1948.

8769. KEITH, M. HELEN, CARD, L. E. & MITCHELL, H. H. The rate of passage of food through the digestive tract of the hen. *Journal of Agricultural Research* 34(8):759-770. April 15, 1927.
Corn feeding experiment, pp. 762-768, 769.
8770. KENNARD, D. C. Feeding and management of broilers. *Ohio Agricultural Experiment Station Bimonthly Bulletin* 20(173):61-67. Mar.-April 1935.
8771. _____ Potatoes for chickens. *Ohio Agricultural Experiment Station Bimonthly Bulletin* 21(182):111-113. Sept.-Oct. 1936.
8772. _____ Rations for layers. *Ohio Agricultural Experiment Station Bimonthly Bulletin* no. 155:42-44. Mar.-April 1932.
8773. _____ & CHAMBERLIN, V. D. Corn-and-cob meal versus ground shelled corn in rations for chickens. *Ohio Agricultural Experiment Station Bimonthly Bulletin* 31(241):104-113. July-Aug. 1946.
8774. _____ & CHAMBERLIN, V. D. Free choice of whole grain and mash concentrate for layers. *Ohio Agricultural Experiment Station Bimonthly Bulletin* no. 157:154-158. July-Aug. 1932.
8775. LOCKHART, W. C., BRYANT, REECE L. & BOLIN, D. W. Wet corn as poultry feed. *North Dakota Farm Research* 20(8):12-14. Nov.-Dec. 1958.
8776. MILNE, F. N. J. The value of maize in poultry feeding. *Queensland Agricultural Journal* 79(2):113-118. Aug. 1954.
8777. MITCHELL, H. H. & HAINES, W. T. The basal metabolism of mature chickens and the net-energy value of corn. *Journal of Agricultural Research* 34(10):927-943. May 15, 1927.
8778. MOORE, J. M. Barley substituted for corn in poultry ration will determine if its use as growing feed affects egg yield afterwards. *Michigan Agricultural Experiment Station Quarterly Bulletin* 13(2):59-66. Nov. 1930.

8779. MORGAN, C. L. Poultry feeding experiments: I. Cottonseed meal in laying and breeding rations. II. Skimmilk vs. meat scraps as supplements to cottonseed meal. III. Ground barley vs. ground yellow corn in the mash for layers and breeders. South Carolina Agricultural Experiment Station Bulletin 273. 1931. 16 p.
8780. MUSSEHL, F. E. & OTHERS. Nutrient requirements of growing chicks: nutritive deficiencies of corn. Journal of Agricultural Research 22(3):139-149. Oct. 15, 1921.
8781. PARINA, SANTOS L. A preliminary study on the variation of corn in the laying mash under Philippine conditions. Philippine Journal of Animal Industry 15(3-4):255-260. 1954.
8782. PAYNE, LOYAL F. The comparative nutritive value of sorghum grain, corn, and wheat as poultry feeds. Kansas Agricultural Experiment Station Bulletin no. 268:1-32. 1934.
8783. PETERSON, D. W. & ZWEIGART, PHYLLIS A. Corn or barley for laying hens; feeding trials with laying hens indicate barley used as grain in ration is as efficient as corn. California Agriculture 8(3):15-16. Mar. 1954.
8784. PHILIPS, A. G., CARR, R. H. & KENNARD, D. C. Meat scraps versus soybean proteins as a supplement to corn for growing chicks. Journal of Agricultural Research 18(7):391-398. Jan. 2, 1920.
8785. POLEY, W. E., ROSENQUIST, AMANDA & MOXON, A. L. Effect of corn, wheat, and barley in the diet on the flavor of fried and roasted chickens. Journal of Agricultural Research 61(3):179-190. Aug. 1, 1940.
8786. _____ & OTHERS. Effect of corn, wheat, and barley in the diet on the physical and chemical composition of fryers and roasters. Journal of Agricultural Research 61(3):161-178. Aug. 1, 1940.
8787. PULGAR, JOAQUIN. El maiz empleado como unico alimento para las aves; sus buenas y malas cualidades. Agricultura (Republica Dominicana) 39(181):16-17. Nov.-Dic. 1948.

8788. RINGROSE, R. C., NORRIS, L. C. & HEUSER, G. F. The value of corn gluten meal for feeding poultry. New York (Cornell) Agricultural Experiment Station Bulletin 725. 1939. 18 p.
8789. SNYDER, J. M., MORRISON, W. D. & SCOTT, H. M. The arginine requirement of chicks fed purified and corn-soya diets. Poultry Science 35(4):852-855. July 1956.
8790. TITUS, HARRY W. & GODFREY, A. B. Comparison of scabbed barley, normal barley, and yellow corn in diets for laying chickens. U. S. Department of Agriculture Technical Bulletin no. 435. 1934. 9 p.
8791. WAIBEL, P. E., POMEROY, B. S. & JOHNSON, ELTON L. Effect of arasan-treated corn on laying hens. Science 121(3142): 401-402. Mar. 18, 1955.
8792. WILSON, W. O. Corn, wheat, and barley for chickens. South Dakota Agricultural Experiment Station Bulletin 376. 1944. 15 p.

Sheep
(Ovejas)

- a8788. ALBERT, W. W. & OTHERS. Modified urea supplements with corn silage for wintering ewe lambs. Journal of Animal Science 14(1):143-152. Feb. 1955.
- a8789. BAKER, MARVEL L. Corn, wheat and rye for fattening lambs. Nebraska Agricultural Experiment Station Bulletin 256. 1931. 7 p.
- a8790. BLAKESLEE, LEONARD H. & BROWN, G. A. Finishing lambs on different proportions of corn and alfalfa. Michigan Agricultural Experiment Station Quarterly Bulletin 23(2):66-69. Nov. 1940.

- a8791. BLAKESLEE, LEONARD H. & BROWN, G. A. Varied amounts of corn and alfalfa for feeder lambs. Michigan Agricultural Experiment Station Quarterly Bulletin 20(1):18-20. Aug. 1937.
- a8792. _____, HENNEMAN, H. A. & NELSON, R. H. A comparison of hay, hay-crop silage and corn silage for ewes during gestation. Michigan Agricultural Experiment Station Quarterly Bulletin 37(1):72-80. Aug. 1954.
8793. BRIGGS, H. M. & HELLER, V. G. The effect of adding blackstrap molasses, potassium salts, sucrose, and corn sirup to a lamb-fattening ration. Journal of Agricultural Research 67(9):359-367. Nov. 1, 1943.
8794. CHAPPEL, CHARLES F. & OTHERS. Effect of mineral supplements on digestibility of a corncob ration by sheep. Journal of Animal Science 14(1):153-159. Feb. 1955.
8795. COFFEY, W. C. Proportions of shelled corn and alfalfa hay for fattening western lambs. Illinois Agricultural Experiment Station Bulletin no. 167:51-82. 1914.
8796. DARLOW, A. E. Corn, barley and grain sorghums for fattening lambs. Oklahoma Agricultural Experiment Station Bulletin no. 196. 1930. 8 p.
8797. DUNN, RUSSELL & EVVARD, JOHN M. Corn supplements and substitutes for fattening lambs. Iowa Agricultural Experiment Station Bulletin no. 185. 1919. 13 p.
8798. EVVARD, JOHN M., DUNN, RUSSELL & CULBERTSON, C. C. Corn substitutes for fattening lambs ... Parts I. and II. Iowa Agricultural Experiment Station Bulletin no. 210:201-229. 1923.
8799. _____ & OTHERS. Corn preparation with alfalfa and silage for fattening lambs. Iowa Agricultural Experiment Station Bulletin no. 299:297-320. 1935.
8800. FOX, H. D. Corn supplements and substitutes for fattening lambs. Nebraska Agricultural Experiment Station Bulletin 211. 1926. 22 p.
8801. FRAPS, G. S. Digestion experiments. Texas Agricultural Experiment Station Bulletin no. 291. 1922. 16 p.

8802. GRAMLICH, HOWARD J. Fall lamb feeding; clipping lambs for fall feeding; light vs. heavy feed of corn; the use of the self-feeder; fattening lambs on grass; finishing lambs in the cornfield. Nebraska Agricultural Experiment Station Bulletin 170. 1918. 28 p.
8803. _____ Feeding lambs in the fall; the use of silage in fall feeding; the cornfield vs. the dry lot; clipping lambs for cornfield feeding; the addition of oil meal and cottonseed nut cake to the cornfield ration; lambs in the cornfield and on blue grass. Nebraska Agricultural Experiment Station Bulletin 167. 1918. 16 p.
8804. _____ Lamb feeding experiments. I. Fattening western lambs. II. Fattening native lambs. III. A comparison of native and western lambs. Nebraska Agricultural Experiment Station Bulletin no. 153. 1915. 26 p.
8805. HAMMOND, J. W. Does it pay to feed corn to fattening lambs on pasture? Ohio Agricultural Experiment Station Monthly Bulletin 4(7):228-231. July 1919.
8806. _____ Green forage crops and corn for fattening lambs. Ohio Agricultural Experiment Station Bulletin no. 340: 43-99. 1920.
8807. HARPER, CLAUDE. Fattening western lambs, 1926-1928. Indiana (Purdue) Agricultural Experiment Station Bulletin nos. 312, 11 p.; 333, 16 p. 1927-29.
8808. _____ Fattening western lambs; sheep feeding XIV, 1925-6. Indiana (Purdue) Agricultural Experiment Station Bulletin 304. 1926. 12 p.
8809. HEADDEN, WILLIAM P. Colorado hays and fodders: alfalfa, timothy, native hay, corn fodder, sorghum, salt bush; digestion experiments. Colorado Agricultural Experiment Station Bulletin 93. 1904. 44 p.
8810. JONES, J. M. & BREWER, R. A. Grain sorghums versus corn for fattening lambs. Texas Agricultural Experiment Station Bulletin no. 285. 1922. 23 p.

8811. JONES, J. M. & DICKSON, R. E. Grain sorghums versus corn for fattening lambs. Third experiment. Texas Agricultural Experiment Station Bulletin no. 306. 1923. 32 p.
8812. _____ & DICKSON, R. E. Grain sorghums versus corn for fattening lambs - fourth and fifth experiments (including a general summary of five years lamb feeding investigations). Texas Agricultural Experiment Station Bulletin no. 379. 1928. 52 p.
8813. _____, BREWER, ROY A. & DICKSON, R. E. Grain sorghums vs. corn for fattening lambs. Texas Agricultural Experiment Station Bulletin no. 269. 1920. 13 p.
8814. JORDAN, R. M. Alfalfa hay, alfalfa silage and corn silage for fattening lambs. South Dakota Agricultural Experiment Station Circular 106. 1954. 6 p.
8815. KEITH, T. B. & HENNING, W. L. Linseed meal a supplement for alfalfa hay and corn for growing and fattening lambs. American Society of Animal Production. Annual Meeting Proceedings, 1934:141-142. 1935.
8816. KENNEDY, W. J., ROBBINS, E. T. & KILDEE, H. H. Roots and corn silage for fattening lambs. Iowa Agricultural Experiment Station Bulletin no. 110:447-474. 1910.
8817. KING, F. G. & HARPER, CLAUDE. Fattening western lambs, 1929-1930, 1930-1931, 1931-1932. Indiana (Purdue) Agricultural Experiment Station Bulletin no. 360. 1932. 20 p.
8818. LOOSLI, J. K. & OTHERS. The digestibility by ruminants of para grass (Panicum purpurascens Raddi), culape (Paspalum conjugatum Berg.), Guatemala grass (Tripsacum laxum Nash.), and corn silage. Philippine Agriculturist 37(9):520-528. Feb. 1954.
8819. MAYNARD, E. J., ESPLIN, A. C. & BOSWELL, S. R. Lamb-fattening experiments in Utah. Utah Agricultural Experiment Station Bulletin 238. 1932. 44 p.
8820. MILLER, JOHN I., MORRISON, F. B. & MAYNARD, L. A. Relative efficiency for growing lambs of the protein in rations supplemented by soybean-oil meal, linseed meal, or corn-gluten meal. Journal of Agricultural Research 54(6): 437-448. Mar. 15, 1937.

8821. MITCHELL, H. H., KAMMLADE, W. G. & HAMILTON, T. S. A technical study of the maintenance and fattening of lambs and their utilization of a ration of alfalfa hay and corn. Illinois Agricultural Experiment Station Bulletin no. 314:29-60. 1928.
8822. MUMFORD, HERBERT W. Fattening lambs; a comparison of fodders. Michigan Agricultural Experiment Station Bulletin no. 136:19-40. 1896.
8823. OLCESE, ORLANDO & HERRERA ARANGUENA, JUAN M. Digestibilidad de los alimentos nacionales. VI. La digestibilidad del maiz chala en el ganado ovino. Agronomia (Peru) 16(68): 67-71. Nov. 1950-Enero 1951.
8824. PATERSON, A. M. Lamb feeding investigations, 1919. Kansas Agricultural Experiment Station Circular 79. 1919. 4 p.
8825. _____ Some lamb-feeding results secured by the Kansas Agricultural Experiment Station. Kansas Agricultural Experiment Station Circular 108. 1924. 8 p.
8826. _____ & MARSTON, H. W. Lamb feeding investigations, 1922-23. Kansas Agricultural Experiment Station Circular 109. 1924. 4 p.
8827. _____ & WINCHESTER, H. B. Sheep feeding investigations, 1920-21. Kansas Agricultural Experiment Station Circular 96. 1922. 7 p.
8828. REED, H. E. & MARSTON, H. W. Lamb feeding investigations, 1923-24. Kansas Agricultural Experiment Station Circular 123. 1926. 6 p.
8829. _____ & MARSTON, H. W. Lamb feeding investigations, 1925-26. Kansas Agricultural Experiment Station Circular 131. 1926. 3 p.
8830. ROGERSON, A. Feeding values of local barley, maize and oat straws. East African Agricultural Journal 21(3):159-160. Jan. 1956.
8831. ROSS, C. V. & OTHERS. Comparing high-, medium-high-, and low-protein corn for fattening lambs. Journal of Animal Science 13(2):433-437. May 1954.

8832. SKINNER, J. H. & KING, F. G. Fattening western lambs, 1910-11 and 1911-12. Indiana (Purdue) Agricultural Experiment Station Bulletin no. 162:671-710. 1912.
8833. _____ & KING, F. G. Fattening western lambs, 1912-13. Indiana (Purdue) Agricultural Experiment Station Bulletin no. 168:45-68. 1913.
8834. _____ & KING, F. G. Fattening western lambs, 1923-25. Indiana (Purdue) Agricultural Experiment Station Bulletin no. 282, 12 p.; 296, 11 p. 1924-25.
8835. _____ & KING, F. G. Sheep feeding: IV. Fattening western lambs, 1913-14. Indiana (Purdue) Agricultural Experiment Station Bulletin no. 179:385-404. 1914.
8836. _____ & KING, F. G. Sheep feeding: V. Fattening western lambs, 1914-15. Indiana (Purdue) Agricultural Experiment Station Bulletin no. 184. 1915. 8 p.
8837. _____ & KING, F. G. Sheep feeding: VI. Fattening western lambs, 1915-1916. Indiana (Purdue) Agricultural Experiment Station Bulletin no. 192. 1916. 20 p.
8838. _____ & KING, F. G. Sheep feeding: XI. Fattening western lambs, 1921-1922. Indiana (Purdue) Agricultural Experiment Station Bulletin no. 263. 1922. 15 p.
8839. _____ & SMITH, W. W. Corn silage for winter feeding of ewes and young lambs. Indiana (Purdue) Agricultural Experiment Station Bulletin no. 147:609-628. 1910.
8840. _____ & VESTAL, C. M. Sheep feeding: X. Fattening western lambs, 1919-1920, 1920-1921. Indiana (Purdue) Agricultural Experiment Station Bulletin no. 256. 1921. 8 p.
8841. TILLMAN, ALLEN D. & BRETHOUR, JOHN R. The effect of corn oil upon the metabolism of calcium and phosphorus by sheep. Journal of Animal Science 17(3):782-786. Aug. 1958.

8842. TURK, KENNETH L., MORRISON, F. B. & MAYNARD, L. A. The nutritive value of the proteins of alfalfa hay and clover hay when fed alone and in combination with the proteins of corn. *Journal of Agricultural Research* 48(6):555-570. Mar. 15, 1934.
8843. WILSON, JAMES W. Corn silage for lambs. *South Dakota Agricultural Experiment Station Bulletin no. 165:* 376-390. 1916.
8844. _____, WRIGHT, TURNER & FENN, F. U. Methods of feeding and grain rations for fattening lambs. *South Dakota Agricultural Experiment Station Bulletin 278.* 1933. 16 p.

Swine
(Cerdos)

8845. AAKHUS, J. E. Hog production in relation to corn-hog ratio and feed production in North Dakota. *North Dakota Agricultural Experiment Station Bimonthly Bulletin* 9(5):131-133. May-June 1947.
8846. ANDERSON, B. M. & MARSTON, H. W. Swine feeding investigations, 1922-23. *Kansas Agricultural Experiment Station Circular 112.* 1925. 8 p.
8847. _____ & MARSTON, H. W. Swine feeding investigations, 1923-24. *Kansas Agricultural Experiment Station Circular 118.* 1925. 6 p.
8848. ARNOLD, C. R. Corn-hog ratio in Ohio. *Ohio Agricultural Experiment Station Bimonthly Bulletin* 13(2):79. Mar.-April 1928.

8849. AUBEL, C. E. Swine feeding investigations, 1936 to 1940.
Kansas Agricultural Experiment Station Circular 207.
1941. 20 p.
8850. _____ & ALEXANDER, M. A. Swine feeding investigations,
1926 to 1930. Kansas Agricultural Experiment Station
Circular 187. 1937. 15 p.
8851. _____ & CONNELL, W. E. Swine feeding investigations,
1930 to 1935. Kansas Agricultural Experiment Station
Circular 223. 1944. 24 p. (Circular 188 revised)
8852. BARNETT, E. & GOODELL, C. J. Grazing and feeding trials with
hogs. Mississippi Agricultural Experiment Station
Bulletin 218. 1923. 32 p.
8853. BRAY, C. I. & FRANCIONI, J. B. Hogging-off corn and sweet
potatoes and feeding cull sweet potatoes to hogs.
Louisiana Agricultural Experiment Station Bulletin 236.
1933. 38 p.
8854. BROWN, G. A. & EDWARDS, W. E. J. Hogging off corn; at feeding
trial which emphasizes the importance of feeding a
supplement high in protein content to hogs running in
the corn field. Michigan Agricultural Experiment Station
Quarterly Bulletin 7(1):6-7. Aug. 1924.
8855. BURNETT, E. A. Fattening pigs on corn and tankage. Nebraska
Agricultural Experiment Station Bulletin no. 94. 1906.
12 p.
8856. CALDER, ALEX. Improving maize for pig breeding. Rhodesia
Agricultural Journal 52(1):22-32. Jan.-Feb. 1955.
8857. CARMICHAEL, B. E. Substitutes for corn in winter rations for
fattening swine. Ohio Agricultural Experiment Station
Monthly Bulletin 1(1):3-9. Jan. 1916.
8858. CHRISTENSEN, F. W. & OTHERS. Proso, corn and barley as feeds
for hogs on alfalfa pasture. North Dakota Agricultural
Experiment Station Bulletin 318. 1942. 13 p.
8859. CLAWSON, A. J., RICHARDS, H. & BARRICK, E. R. When mixing hog
feed skip the cobs and shucks. North Carolina Research
and Farming 16(2):4. Autumn 1957.

8860. CONNAWAY, J. W. Hog cholera and immature corn. Missouri Agricultural Experiment Station Bulletin 174. 1920. 20 p.
8861. CULBERTSON, C. C. & OTHERS. Corn of different degrees of hardness for pigs. Iowa Agricultural Experiment Station Bulletin no. 375:249-271. 1938.
8862. DE ALBA, JORGE. Ensayos de engorde de cerdos con raciones a base de maiz, yuca y bananos. Turrialba 1(4):176-184. Abril-Junio 1951.
8863. _____ & BASADRE, JAIME. Ensayos de engorde de cerdos con raciones a base de cascara de cacao, maiz y bananos. Turrialba 2(3):106-109. Julie-Sept. 1952.
8864. DINUSSON, W. E. & OTHERS. Comparative value of preso and corn for fattening hogs. North Dakota Agricultural Experiment Station Bimonthly Bulletin 17(2):74-76. Nov.-Dec. 1954.
8865. DOWNEY, L. A. Maize and pork quality. Queensland Agricultural Journal 51(3):318. Mar. 1939.
8866. DUGGAR, J. F. Corn, cow-peas and wheat-bran for fattening pigs. Alabama Agricultural Experiment Station Bulletin no. 82:357-379. 1897.
8867. DUTHIE, D. W., DENT, A. F. & LEDGER, H. P. Effect of maize on fat hardness and growth-rate in bacon pigs. Nature (London) 182(4640):953-954. Oct. 4, 1958.
8868. DVORACHEK, H. E. & SANDHOUSE, H. A. Sorghum grains versus corn for fattening swine. Arkansas Agricultural Experiment Station Circular no. 34. n. d. 4 p.
8869. EASTWOOD, GEORGE R. Substitutes for corn in rations for fattening swine. Ohio Agricultural Experiment Station Bulletin no. 268:147-164. 1914.
8870. EDWARDS, W. E. J. Hogging off corn. Michigan Agricultural Experiment Station Special Bulletin no. 200. 1930. 17 p.

8871. EDWARDS, W. E. J. & BROWN, G. A. Hogging down corn; hogs make rapid gains and return a high value for the corn consumed. Michigan Agricultural Experiment Station Quarterly Bulletin 8(4):171-173. May 1926.
8872. _____ & BROWN, G. A. Hogging off corn returns good profit; comparison made of value of soy beans, rape, and tankage as supplements. Michigan Agricultural Experiment Station Quarterly Bulletin 10(1):9-11. Aug. 1927.
8873. EGGERT, R. G., BRINEGAR, M. J. & ANDERSON, C. R. The quality of protein of normal and high protein corn for growing swine. Journal of Animal Science 12(2):282-290. May 1953.
8874. ELLIS, N. R. Changes in quantity and composition of fat in hogs fed a peanut ration followed by a corn ration. U. S. Department of Agriculture Technical Bulletin no. 368. 1933. 13 p.
8875. EVVARD, JOHN M., KENNEDY, W. J. & KILDEE, H. H. Hogging-down corn --- a successful practice. Iowa Agricultural Experiment Station Bulletin no. 143:307-354. 1913.
8876. _____ & OTHERS. Soft ear corn silage for swine. Iowa Agricultural Experiment Station Bulletin no. 273:325-369. 1930.
8877. _____, WALLACE, Q. W. & CULBERTSON, C. C. Preparation of corn for yearling brood sows. Iowa Agricultural Experiment Station Bulletin no. 245:137-167. 1927.
8878. FARRELL, F. D. The utilization of irrigated field crops for hog pasturing. U. S. Department of Agriculture Bulletin no. 752. 1919. 37 p.
8879. FERRIN, E. F. & WINCHESTER, H. B. Swine feeding investigations, 1919-20. Kansas Agricultural Experiment Station Circular 89. 1921. 10 p.
8880. FLINT, P. N. Spanish peanuts, soy beans and skim milk as feeds supplementary to corn. Georgia Agricultural Experiment Station Bulletin 87. 1909. 10 p.
8881. FORBES, E. B. Supplements to corn for fattening hogs. Missouri Agricultural Experiment Station Bulletin no. 67. 1905. 19 p.

8882. FREEMAN, V. A. Soybean oil meal and pasture with corn for pigs. Michigan Agricultural Experiment Station Quarterly Bulletin 24(4):310-312. May 1942.
8883. GARRIGUS, W. P. & MITCHELL, H. H. The effect of grinding on the digestibility of corn by pigs and on its content of metabolizable energy. Journal of Agricultural Research 50(9):731-735. May 1, 1935.
8884. GAUMNITZ, D. A., WILSON, A. D. & BASSETT, L. B. Pork production: I. Hogging off corn vs. yard feeding. 2. Field management of swine. 3. Observations. Minnesota Agricultural Experiment Station Bulletin no. 104:63-119. 1907.
8885. GEORGESON, C. C., BURTIS, F. C. & OTIS, D. H. Feeding experiments with pigs on corn, wheat, kaffir corn and cotton seed meal. Kansas Agricultural Experiment Station Bulletin no. 53:103-114. 1895.
8886. GEURIN, H. B., HOEFER, J. A. & BEESON, W. M. Protein efficiency of corn by-products and other protein feeds for swine growth. Journal of Animal Science 10(3): 607-616. Aug. 1951.
8887. GODBEY, E. G. Rations for fattening swine; a comparison of hand and free-choice feeding of corn and fish meal to fattening hogs in dry lot and on green barley. South Carolina Agricultural Experiment Station Bulletin 277. 1931. 8 p.
8888. _____ & DURANT, A. L. Protein supplements to corn in dry lot for fattening pigs. South Carolina Agricultural Experiment Station Bulletin 234. 1926. 14 p.
8889. GOOD, E. S. & MANN, L. B. An experiment comparing velvet bean meal, tankage and soy bean meal as supplements to corn meal in feeding hogs. Kentucky Agricultural Experiment Station Circular no. 20. 1918. 4 p.
8890. GRAY, DAN T., DUGGAR, J. F. & RIDGEWAY, J. W. Feeds supplementary to corn for southern pork production. Alabama Agricultural Experiment Station Bulletin no. 143:25-77. 1908.
8891. _____, RIDGEWAY, J. W. & EUDALY, E. R. Corn, soy bean pastures, tankage, cotton seed meal for fattening hogs. Alabama Agricultural Experiment Station Bulletin no. 154:41-87. 1911.

8892. GRIMES, J. C. & SALMON, W. D. Peanut meal as a protein supplement to corn for fattening hogs in the dry lot. Alabama Agricultural Experiment Station Bulletin 224. 1924. 15 p.
8893. HANKINS, O. G. & ELLIS, N. R. Some results of soft-pork investigations. U. S. Department of Agriculture Department Bulletin no. 1407. 1926. 68 p.
8894. _____, ELLIS, N. R. & ZELLER, J. H. Some results of soft-pork investigations. II. U. S. Department of Agriculture Department Bulletin no. 1492. 1928. 50 p.
8895. HANSON, L. E. Waxy corn versus non-waxy corn for growing fattening pigs fed in dry lot. Journal of Animal Science 5(1):36-41. Feb. 1946.
8896. HEADY, EARL O. & OTHERS. New procedures in estimating feed substitution rates and in determining economic efficiency in pork production. II. Replacement rates of corn and soybean oilmeal in fortified rations for growing-fattening swine on pasture. Iowa Agricultural and Home Economics Experiment Station Research Bulletin no. 462: 343-360. 1958.
8897. HENRY, W. A. Feeding bone meal and hard wood ashes to hogs living on corn. Wisconsin Agricultural Experiment Station Bulletin no. 25. 1890. 10 p.
8898. _____ & OTIS, D. H. Relative value of shelled corn and corn meal for fattening pigs. Wisconsin Agricultural Experiment Station Bulletin no. 145. 1907. 16 p.
8899. HOLDEN, JAMES A. Experiments in the disposal of irrigated crops through the use of hogs. U. S. Department of Agriculture Bulletin no. 488. 1917. 27 p.
8900. JENSON, A. H., BECKER, D. E. & TERRILL, S. W. Oats as replacement for corn in complete mixed rations for growing-finishing swine. Journal of Animal Science 18(2):701-709. May 1959.
8901. JOHNSON, C. W. & OTHERS. Corn silage for sows. Iowa Farm Science 12(1):17-19. July 1957.

8902. KENNEDY, W. J. & MARSHALL, F. R. The results of a swine feeding experiment to determine the value of beef meal, Armour's Tankage, Swift's Digester Tankage and Standard Stock Food, when fed in conjunction with corn meal for the economical production of pork. Iowa Agricultural Experiment Station Bulletin no. 65:209-222. 1902.
8903. _____ & ROBBINS, E. T. Preparation of corn for hogs. Iowa Agricultural Experiment Station Bulletin no. 106: 301-359. 1909.
8904. KIRK, W. G. & CROWN, R. M. Fattening market hogs in dry lot; using dried grapefruit pulp, blackstrap molasses and alfalfa leaf meal as supplements to corn. Florida Agricultural Experiment Station Bulletin 428. 1947. 20 p.
8905. KODICEK, E. & OTHERS. The effect of alkaline hydrolysis of maize on the availability of its nicotinic acid to the pig. British Journal of Nutrition 10(1):51-67. 1956.
8906. LIVESAY, E. A. & STILLWELL, E. C. Comparative tests of certain feeds in rations for pigs. West Virginia Agricultural Experiment Station Bulletin 213. 1928. 15 p.
8907. LUECKE, R. W. & OTHERS. The effect of vitamin B₁₂ concentrate on the growth of weanling pigs fed corn-soybean diets. (Abstract) Michigan Agricultural Experiment Station Quarterly Bulletin 32(2):267. Nov. 1949.
8908. McCAMPBELL, C. W., FERRIN, E. F. & WINCHESTER, H. B. Swine feeding investigations, 1918-19. I. Self-feeding versus hand-feeding of swine in dry lots. Kansas Agricultural Experiment Station Circular 78. 1919. 7 p.
8909. McCARTY, M. A., NICHOLAS, J. E. & KEITH, T. B. Grinding corn for swine. Pennsylvania Agricultural Experiment Station Bulletin 326. 1936. 11 p.
8910. MAIRS, T. I. & DOTY, S. W. Experiments in pig feeding; white middlings vs. corn chop and tankage. Pennsylvania Agricultural Experiment Station Bulletin no. 95. 1909. 16 p.

8911. MALONE, J. S. A preliminary report on feeds for fattening pigs; comparing protein supplements for fattening pigs, and comparing corn, kafir and darso as a fattening feed for pigs. Oklahoma Agricultural Experiment Station Bulletin no. 120. 1918. 7 p.
8912. MEADE, R. J. The influence of methionine supplementation of 12, 14 and 16 percent protein corn-soybean oil meal diets upon nitrogen balance of growing swine. Journal of Nutrition 60(4):599-608. Dec. 10, 1956.
8913. _____ & TETER, W. S. The influence of L-lysine supplementation of 12, 14 and 16 percent protein corn-soybean oil meal diets upon nitrogen balance of growing swine. Journal of Nutrition 60(4):609-618. Dec. 10, 1956.
8914. MITCHELL, H. H. & HAMILTON, T. S. The nutritive value for growing swine of the proteins of linseed meal and of cottonseed meal, both alone and in combination with the proteins of corn. Journal of Agricultural Research 43(8):743-748. Oct. 15, 1931.
8915. _____ & KICK, C. H. The supplementary relation between the proteins of corn and of tankage determined by metabolism experiments on swine. Journal of Agricultural Research 35(9):857-864. Nov. 1, 1927.
8916. MUMFORD, F. B. & WILLSON, C. A. Pork production with forage crops. Missouri Agricultural Experiment Station Bulletin no. 95:557-597. 1911.
8917. NORDBY, J. E. & SNYDER, ROBERT S. Influence of field-pea rations on the quality of pork. Journal of Agricultural Research 31(12):1173-1178. Dec. 15, 1925.
8918. NOURSE, D. O. Silage for hogs. Virginia Agricultural Experiment Station Bulletin no. 68:99-105. 1896.
8919. PEIXOTO, RENATO R., OLIVEIRA, WALDEMAR M. DE & GROSSMAN, JOSE. O "pinhao comparado com o milho no crescimento e engorde de porcos". Rio Grande do Sul, Brasil, Secretaria da Agricultura, Diretoria da Producao Animal. Boletim 13(24):44-50. Jan.-Maio 1956.

8920. PLUMB, C. S. & ANDERSON, W. B. Corn meal and shorts as food for pigs. Indiana (Purdue) Agricultural Experiment Station Bulletin no. 71:53-60. 1898.
8921. _____ & ANDERSON, W. B. Wheat and corn, separate and in combination, as food for pigs. Indiana (Purdue) Agricultural Experiment Station Bulletin no. 67:59-70. 1897.
8922. POWICK, W. C., ELLIS, N. R. & DALE, C. N. Relationship of corn diets to nicotinic acid deficiency in growing pigs. Journal of Animal Science 6(4):395-400. Nov. 1947.
8923. QUAYLE, W. L. Wyoming corn for pork. Wyoming Agricultural Experiment Station Bulletin no. 148. 1926. 16 p.
8924. QUICK, WALTER J. & SPENCER, A. P. Hog feeding: I. Skimmed milk vs. blood meal; II. Old corn vs. new corn. Virginia Agricultural Experiment Station Bulletin no. 176:l-14. 1908.
8925. RICE, J. B., MITCHELL, H. H. & LAIBLE, R. J. A comparison of white and yellow corn for growing and fattening swine and for brood sows. Illinois Agricultural Experiment Station Bulletin no. 281:177-204. 1926.
8926. ROBISON, W. L. Amount of grain to feed spring pigs on forage influenced by the price of corn and prospective price of hogs as well as by the feed consumed. Ohio Agricultural Experiment Station Monthly Bulletin 6(7-8): 120-128. July-Aug. 1921.
8927. _____ Comparison of soybean oilmeals for supplementing corn for hogs. Ohio Agricultural Experiment Station Bimonthly Bulletin 9(9-10):145-149. Sept.-Oct. 1924.
8928. _____ Corn by-products for swine. Ohio Agricultural Experiment Station Monthly Bulletin 5(9):247-252. Sept. 1920.
8929. _____ Feeding swine during fall and winter; supplements for corn that will ensure more profits. Ohio Agricultural Experiment Station Monthly Bulletin 3(11):329-332. Nov. 1918.

8930. ROBISON, W. L. Full and limited feeding of fall pigs; full feeding of a concentrate ration usually advisable. Ohio Agricultural Experiment Station Monthly Bulletin 5(11-12):275-280. Nov.-Dec. 1920.
8931. Hogging down corn. Ohio Agricultural Experiment Station Bulletin no. 398:301-339. 1926.
8932. Hogging down corn; earlier harvesting and marketing possible when labor is scarce. Ohio Agricultural Experiment Station Monthly Bulletin 3(8):229-232. Aug. 1918.
8933. Hyrbid and open-pollinated corns for pigs. Ohio Agricultural Experiment Station Bimonthly Bulletin 24(201):156-163. Nov.-Dec. 1939.
8934. Improving a corn and tankage ration for pigs in dry lot. Ohio Agricultural Experiment Station Bimonthly Bulletin 12(5):156-160. Sept.-Oct. 1927.
8935. Improving corn and tankage for pigs not on pasture. Ohio Agricultural Experiment Station Bulletin 488. 1931. 41 p.
8936. Proportions of supplements to corn for fattening swine. Ohio Agricultural Experiment Station Bulletin no. 316:3-57. 1917.
8937. Soybeans in corn for hogging-down prove less effective than tankage for supplementing standing corn. Ohio Agricultural Experiment Station Bimonthly Bulletin 9(5-6):75-80. May-June 1924.
8938. Substitutes for corn for growing and fattening pigs. Ohio Agricultural Experiment Station Bulletin 607. 1939. 60 p.
8939. Supplements to corn for fattening swine. Ohio Agricultural Experiment Station Bulletin no. 349:133-183. 1921.
8940. Supplements to corn for fattening swine; high-protein feeds increase rate of gain at lower cost. Ohio Agricultural Experiment Station Monthly Bulletin 2(10):317-322. Oct. 1917.

8941. ROBISON, W. L. Winter rations for brood sows; clover or alfalfa hay and tankage good supplements to corn. Ohio Agricultural Experiment Station Monthly Bulletin 4(12): 363-368. Dec. 1919.
8942. SEAMANS, A. E. Dry-land pasture crops for hogs at Huntley, Mont. U. S. Department of Agriculture Department Bulletin no. 1143. 1923. 24 p.
8943. SHEPPERD, J. H. & RICHARDS, W. B. Fattening hogs: (a) barley compared with corn; (b) low grade wheat compared with corn; (c) effect of cross breeding on gains made and carcasses. North Dakota Agricultural Experiment Station Bulletin no. 84. 1909. 24 p.
8944. SHREWSBURY, CHARLES L., VESTAL, CLAUDE M. & HAUGE, SIGFRED M. The effect of yeast and casein supplements to corn and soybean rations when fed to rats and swine. Journal of Agricultural Research 44(3): 267-274. Feb. 1, 1932.
8945. SKINNER, J. H. & COCHEL, W. A. Dairy by-products as supplements to corn for fattening hogs. Indiana (Purdue) Agricultural Experiment Station Bulletin no. 137: 49-72. 1909.
8946. _____ & COCHEL, W. A. Supplements to corn for fattening hogs in dry lot. Indiana (Purdue) Agricultural Experiment Station Bulletin no. 126: 141-159. 1908.
8947. _____ & STARR, C. G. Feeding trials with corn by-products, palmo midds, and commercial mixed hog feeds, 1917-1918. Indiana (Purdue) Agricultural Experiment Station Bulletin no. 219. 1918. 26 p.
8948. SMITH, CLINTON D. Pig feeding. Michigan Agricultural Experiment Station Bulletin no. 138: 47-56. 1896.
8949. SOULE, ANDREW M. & FAIN, JOHN R. The value of corn, skim milk and whey for fattening swine. Tennessee Agricultural Experiment Station Bulletin 15(1): 1-16. 1902.
8950. _____, FAIN, JOHN R. & JARNAGIN, MILTON P. Corn and various amendments as food for hogs. Virginia Agricultural Experiment Station Bulletin no. 167: 235-257. 1907.

8951. SOUTHWELL, BYRON L. & McCORMICK, W. C. Swine experiments.
I. Peanut oil meal as a substitute for corn in fattening pigs. 2. The value of cracked shelled corn and ground snapped corn for fattening swine. Georgia Agricultural Experiment Station Circular no. 18. 1949. 10 p.
8952. SQUIBB, ROBERT L. & OTHERS. Effect of Aureomycin and vitamins on growth and blood constituents of pigs fed corn and banana rations. Journal of Animal Science 12(2):297-303. May 1953.
8953. STEANSON, OSCAR & WILCOX, R. H. Cost of producing hogs in Iowa and Illinois, years 1921-1922. U. S. Department of Agriculture Department Bulletin no. 1381. 1926. 31 p.
8954. TEMPLETON, GEORGE S. Improving the quality of peanut fed hogs by finishing in dry lot on corn and tankage, corn and cotton seed meal, corn and velvet beans. Alabama Agricultural Experiment Station Bulletin no. 213: 79-96. 1920.
8955. TERRILL, S. W. & OTHERS. Value of low- and high-fat corns for fattening hogs. Journal of Animal Science 10(4): 902-906. Nov. 1951.
8956. TOMHAVE, A. E. Soybeans as a protein supplement to corn for fattening pigs on forage. Delaware Agricultural Experiment Station Bulletin no. 170. 1931. 23 p.
8957. TORRES, JOSE RODOLPHO. Associacao de farelinho-remoido de trigo e milho desintegrado nas racoes de suinos em crescimento-engorda. Revista Ceres (Brasil) 10(59): 346-351. Julho-Dez. 1958.
8958. _____ Associacao da raspa de mandioca e milho desintegrado no crescimento-engorda de suinos. Revista Ceres (Brasil) 10(59):392-401. Julho-Dez. 1958.
8959. EL VALOR nutritivo del maiz en la crianza de los cerdos. Revista Agricola (Guatemala) 13(8):481-483. Nov. 1935.
8960. VINKE, LOUIS & MORGAN, GEORGE. The use of tankage and alfalfa when hogging down corn. Montana Agricultural Experiment Station Bulletin no. 257. 1932. 19 p.

8961. WALLACE, H. D. & OTHERS. Effects of reducing and discontinuing Aureomycin supplementation during the growing-fattening period of pigs fed corn peanut meal, corn-soybean meal, and corn-cottonseed meal rations. *Journal of Animal Science* 12(2):316-321. May 1953.
8962. WATERS, H. J. Value of different kinds of green forage for hogs. *Missouri Agricultural Experiment Station Bulletin* no. 79. 1908. 12 p.
8963. WEAVER, L. A. Hogging down corn. *Missouri College of Agriculture Extension Service Circular* 37. 1917. 4 p.
8964. _____ Hogging down corn and soybeans. *Missouri Agricultural Experiment Station Bulletin* 224. 1924. 20 p.
8965. WEBER, A. D., ANDERSON, B. M. & MARSTON, H. W. Swine feeding investigations, 1923 to 1926. *Kansas Agricultural Experiment Station Circular* 138. 1928. 14 p.
8966. WHEELER, G. C. Hog feeding. *Kansas Agricultural Experiment Station Bulletin* no. 192:355-426. 1913.
8967. ZELLER, J. H. & HANKINS, O. G. Pork of good quality grown efficiently on corn-soybean ration. In U. S. Department of Agriculture. What's new in agriculture, the yearbook of agriculture, 1934. Washington, D. C., U. S. Government Printing Office, 1934. pp. 290-292.

Feeds, Poisonous
(Alimentos, Venenosos)

8968. ALSBERG, CARL L. & BLACK, OTIS F. Contributions to the study of maize deterioration; biochemical and toxicological investigations of Penicillium puberulum and Penicillium stoloniferum. U. S. Department of Agriculture. Bureau of Plant Industry Bulletin no. 270. 1913. 48 p.

8969. BACON, OSCAR G. & ERWIN, WALLACE R. DDT residues on sweet corn; kernels and cobs of corn treated with DDT remain practically free of residues but amounts on plant restrict use as fodder. California Agriculture 10(2):11-12. Feb. 1956.
8970. BAILEY, W. S. & GROTH, A. H. The relationship of hepatitis X of dogs and moldy corn poisoning for swine. American Veterinary Medical Association. Journal 134(11):514-516. June 1, 1959.
8971. CRAIG, R. A. Cornstalk disease. Indiana (Purdue) Agricultural Experiment Station Circular no. 3. 1906. 10 p.
Disease caused in cattle by feeding corn stalks and fodder.
8972. HASLAM, THOMAS P. Meningo - encephalitis (blind staggers). Kansas Agricultural Experiment Station Bulletin no. 173:233-251. 1910.
Cattle disease caused by molds.
8973. MAYO, N. S. Cornstalk disease of cattle. Preliminary bulletin. Kansas Agricultural Experiment Station Bulletin no. 58:65-88. 1896.
8974. MITCHELL, H. H. & BEADLES, JESSIE R. The impairment in nutritive value of corn grain damaged by specific fungi. Journal of Agricultural Research 61(2):135-141. July 15, 1940.
8975. NELSON, R. R. & OSBORNE, J. CLARK. The relative prevalence and geographic distribution of fungi associated with moldy corn in eastern North Carolina in 1955. Plant Disease Reporter 40(3):225-227. Mar. 15, 1956.
8976. PETERS, A. T. Cornstalk disease. Nebraska Agricultural Experiment Station Bulletin no. 52:49-62. 1898.
(vol. 10, article 3)
8977. _____ A fungus disease in corn. In Nebraska Agricultural Experiment Station. 17th Annual report. Lincoln, 1904. pp. 13-22.

8978. SHELDON, JOHN L. A corn mold (Fusarium moniliforme n. sp.). In Nebraska Agricultural Experiment Station. 17th annual report. Lincoln, 1904. pp. 23-32.
8979. STANDEN, J. H. A toxic substance occurring in certain maize cobs. Boyce Thompson Institute. Contribution 14(4): 277-281. July 1946.

Fodder and Silage
(Forraje y Ensilaje)

8980. ALLEN, N. N. & OTHERS. Kernels are the key to good corn silage. Wisconsin College of Agriculture Extension Service Circular 337, rev. 1953. 8 p.
8981. ANTHONY, ERNEST L. & HENDERSON, H. O. Sunflowers vs. corn for silage. West Virginia Agricultural Experiment Station Circular 32. 1920. 8 p.
8982. ARGENTINA. DIRECCION DE AGRONOMOS REGIONALES. El ensilaje del maiz. Campo y Suelo Argentino 32(377):31-33. Mar. 1948.
8983. BECHTEL, H. ERNEST & HOPPERT, C. A. The antirachitic activity of various parts of the corn plant at the time of ensiling. Michigan Agricultural Experiment Station Quarterly Bulletin 18(3):153-154. Feb. 1936.
8984. BENDER, C. B. & PRINCE, A. L. The effect of nitrogenous fertilization on the protein content of corn when harvested for silage. New Jersey Agricultural Experiment Station Bulletin 563. 1934. 4 p.
8985. BERESFORD, REX. Corn ... key to cattle feeding picture. Iowa Farm Economist 11(8):15. Aug. 1945.
8986. _____ Stretching corn in cattle feeding. Iowa Farm Science 1(2):8-9. Aug. 1946.

8987. BRANAMAN, G. A. & DAVIS, G. K. Legume silage vs. corn silage vs. legume hay for fattening heifer calves. Michigan Agricultural Experiment Station Quarterly Bulletin 23(2):106-110. Nov. 1940.
8988. _____ & DAVIS, G. K. Legume silage vs. corn silage vs. legume hay for fattening heifer calves. Michigan Agricultural Experiment Station Quarterly Bulletin 24(3):227-232. Feb. 1942.
8989. _____ & DAVIS, G. K. Legume silage vs. corn silage vs. legume hay for fattening calves. Michigan Agricultural Experiment Station Quarterly Bulletin 25(1):13-16. Aug. 1942.
8990. _____ & DAVIS, G. K. Legume silage vs. corn silage vs. legume hay for fattening cattle. Michigan Agricultural Experiment Station Quarterly Bulletin 22(1):34-39. Aug. 1939.
8991. BRODELL, ALBERT P. & KUZELKA, THOMAS J. Harvesting the silage crops. U. S. Department of Agriculture Statistical Bulletin no. 128. 1953. 23 p. Corn silage, pp. 10-17.
8992. _____ & KUZELKA, THOMAS J. Our silage crops and how they're harvested. U. S. Agricultural Marketing Service. Agricultural Situation 37(8):11-12. Aug. 1953.
8993. CAMBURN, O. M., ELLENBERGER, H. B. & JONES, C. H. Feeding values of silages and hays; grass and corn silages for cows, sun-cured and artificially dried hays, grass and corn silages for heifers, hay and grass silage for heifers. Vermont Agricultural Experiment Station Bulletin 482. 1942. 12 p.
8994. CASTLE, M. E., FOOT, A. S. & ROWLAND, S. J. American hybrid maize for silage in the South of England. I. The yield and composition with special reference to plant population and nitrogenous fertilizer. Journal of Agricultural Science 41(3):282-287. July 1951.

8995. CASTLE, M. E., FOOT, A. S. & ROWLAND, S. J. American hybrid maize for silage in the South of England. II. Composition, nutritive value and losses in the silo. *Journal of Agricultural Science* 42(1-2):175-179. Jan.-April 1952.
8996. CATAMBAY, ALEJANDRO M. & CATAMBAY, ALEJANDRO B. The performance of the ensilage harvester. *Philippine Agriculturist* 37(10):611-622. Mar. 1954.
8997. CHASE, L. W. Silo construction in Nebraska. *Nebraska Agricultural Experiment Station Bulletin* no. 138. 1913. 95 p.
8998. _____ & WOOD, IVAN D. Handling silage. *Nebraska Agricultural Experiment Station Bulletin* no. 145. 1914. 25 p.
8999. CHRISTENSEN, F. W. & HOPPER, T. H. Digestible nutrients and metabolizable energy in certain silages, hays, and mixed rations. *Journal of Agricultural Research* 57(7):477-512. Oct. 1, 1938.
9000. COMFORT, J. E. Filling the silo with corn or sorghum. *Missouri Agricultural Experiment Station Circular* 239. 1942. 4 p.
9001. CONLON, THOMAS J. & DOUGLAS, RAYMOND J. Corn for silage ... research at Dickinson. *North Dakota Agricultural Experiment Station Bimonthly Bulletin* 19(4):107-114. Mar.-April 1957.
9002. COOKE, W. W. Farm notes: alfalfa, corn, potatoes and sugar beets. *Colorado Agricultural Experiment Station Bulletin* 57. 1900. 39 p. Corn, pp. 15-28.
9003. CORN AND sorghum silage. *Nebraska College of Agriculture Extension Service Circular* 131. 1954. 11 p.
9004. CRISTOFFANINI TRUCCO, JOSE. Mecanizando el silo de maiz. Chile, Departamento Tecnico Interamericano de Cooperacion Agricola. Plan Chilan. *Boletin* 3(9):26. Enero-Feb. 1957.

9005. CROCKETT, S. P. Corn and sorghum silage compared in North Mississippi. Mississippi Farm Research 17(3):5, 8. Mar. 1954.
9006. _____ Corn compared with sorghum in silage test. Mississippi Farm Research 16(4):4. April 1953.
9007. CULBERTSON, C. C. Ear corn silage pays. Iowa Farm Science 1(1):5. July 1946.
9008. CUNNINGHAM, L. C. & FIFE, L. S. Analysis of forage harvesting patterns on New York dairy farms. New York (Cornell) Agricultural Experiment Station Bulletin 917. 1955. 23 p.
9009. CURTISS, C. F. & PATRICK, G. E. A study of ripening corn. Iowa Agricultural Experiment Station Bulletin no. 23:874-880. 1894.
9010. DALTON, L. A. Silage crops in New York. New York (Cornell) College of Agriculture Extension Service Bulletin 160. 1927. 20 p.
9011. DAVIDSON, J. BROWNLEE, SHEDD, C. K. & COLLINS, E. V. Labor duty in the harvesting of ensilage. Agricultural Engineering 24(9):293-294. Sept. 1943.
9012. DETILLEUX, E. Essais de fumure minerale sur maïs d'ensilage. Institut National pour l'Etude Agronomique du Congo Belge (I.N.E.A.C.). Bulletin d'Information 5(4):255-262. Aug. 1956.
9013. DOX, ARTHUR W. & NEIDIG, RAY E. Lactic acid in corn silage. Iowa Agricultural Experiment Station Research Bulletin no. 10:363-378. 1913.
9014. _____ & NEIDIG, RAY E. The volatile aliphatic acids of corn silage. Iowa Agricultural Experiment Station Research Bulletin no. 7:1-32. 1912.
9015. DUNN, K. M. & OTHERS. The value of corn silage and recombined corn silage in respect to milk production. Journal of Dairy Science 38(1):58-64. Jan. 1955.
9016. _____ & OTHERS. The value of snapped corn-ear silage and grainless corn silage (ears removed) for milk production. Michigan Agricultural Experiment Station Quarterly Bulletin 37(2):223-229. Nov. 1954.

9017. DVORACHEK, H. E. Silos and silage in Colorado, Colorado Agricultural Experiment Station Bulletin 200. 1914. 56 p.
9018. _____ & OTHERS. Legume forages with corn and cane for silage. Arkansas Agricultural Experiment Station Bulletin no. 196. 1925. 14 p.
9019. ECKLES, C. H. Shock corn for silage. Missouri Agricultural Experiment Station Circular no. 71:25-28. 1914.
9020. _____, REED, O. E. & FITCH, J. B. The capacity of silos and weights of silage. Kansas Agricultural Experiment Station Bulletin no. 222. 1919. 22 p.
9021. EMERY, F. E. Why pull your corn fodder? North Carolina Agricultural Experiment Station Bulletin no. 104:261-264. 1894.
9022. ERASMUS, J. C. Sweet sorghums or maize as silage crop under irrigation. Farming in South Africa 27(319):475, 479. Oct. 1952.
9023. ESGUERRA, JOSE P. Making corn-tapilan silage. Philippine Agriculturist 32(1):71-78. July-Sept. 1948.
9024. EVVARD, JOHN M., LAMB, ALVIN R. & MAYNARD, E. J. Ensiling versus drying soft ear corn. Iowa Agricultural Experiment Station Bulletin no. 216:401-432. 1923.
9025. FLIPSE, R. J. Effect of corn silage on the growth, reproductive development and semen production of young dairy bulls. Journal of Animal Science 16(1): 158-164. Feb. 1957.
9026. FONTANA, IVAN R. El maiz y su aprovechamiento integral como forraje. Universidad de Tucuman (Argentina) Extension Agricola, Boletin no. 15. 1918. 31 p.
9027. GARRETT, O. F. & BOSSHARDT, D. K. Effect of feeding silages on certain properties of milk: I. Effect on the yellow color and flavor of winter milk; II. Influence on the vitamin A content and distribution of carotenoid pigments in milk fat; III. Effect of various storage conditions on the stability of carotenoid pigments in butter. New Jersey Agricultural Experiment Station Bulletin 710. 1944. 30 p.

9028. GARRIGUS, W. P. Digestible nutrient contents of corn, bluegrass, alfalfa, ladino, fescue, and soybean silages for steers. Kentucky Agricultural Experiment Station Bulletin 573. 1951. 19 p.
9029. GEORGESON, C. C., BURTIS, F. C. & OTIS, D. H. Six years' experience with ensilage. Kansas Agricultural Experiment Station Bulletin no. 48:33-40. 1894.
9030. HAIGH, L. D. & HOGAN, A. G. The composition of corn fodder grown in drouth years. Missouri Agricultural Experiment Station Bulletin 390. 1937. 6 p.
9031. HARSHBARGER, K. E. & OTHERS. Yield and composition of corn forage as influenced by soil fertilization. Illinois Agricultural Experiment Station Bulletin 577. 1954. 19 p.
9032. _____ & OTHERS. The yield and protein content of silage corn as influenced by fertilization. Journal of Dairy Science 37(8):976-981. Aug. 1954.
9033. HARTWIG, H. B. What farmers want to know about silage-crop production. New York (Cornell) College of Agriculture Extension Service Bulletin 228. 1932. 29 p.
9034. HAYDEN, C. C. & PERKINS, A. E. Field corn and silage corn for silage. Ohio Agricultural Experiment Station Bulletin no. 369:257-288. 1923.
9035. HENNING, P. D. Silage crops. Farming in South Africa 24(279):291-297. June 1949.
9036. HOPPER, T. H. Composition and maturity of corn. North Dakota Agricultural Experiment Station Bulletin 192. 1925. 76 p.
9037. HUFFMAN, C. F. & DUNCAN, C. W. Comparison of silages made from field corn (Ohio M15) and silage corn (Eureka) for milk production. Journal of Dairy Science 39(7): 998-1005. July 1956.
9038. _____ & DUNCAN, C. W. Corn silage as a source of the unidentified grain factor(s) needed for milk production. Michigan Agricultural Experiment Station Quarterly Bulletin 37(1):23-26. Aug. 1954.

9039. HUTCHESON, T. B. & WOLFE, T. K. Silage experiments.
Virginia Agricultural Experiment Station Bulletin
227. 1922. 16 p.
9040. KANE, E. A. & CARY, C. A. Effect of the condition of corn
plant at cutting upon the carotene content of silage.
(Abstract) Journal of Dairy Science 18(7):437.
July 1935.
9041. KING, F. H. Silage and the construction of modern silos.
Wisconsin Agricultural Experiment Station Bulletin
no. 83. 1900. 68 p.
9042. LaMASTER, J. P. & MORROW, K. S. Corn silage versus sweet
sorghum silage for milk production. South Carolina
Agricultural Experiment Station Bulletin 254. 1929.
32 p.
9043. LAMB, ALVIN R. The relative influence of microorganisms
and plant enzymes on corn silage fermentation.
Iowa Agricultural Experiment Station Research
Bulletin no. 40:311-332. 1917.
9044. _____ The relative influence of microorganisms and
plant enzymes on the fermentation of corn silage.
Journal of Agricultural Research 8(10):361-380.
Mar. 6, 1917.
9045. LEDESMA, MARTIN JULIO. Ensilaje de maiz verde; forma
practica de tener buen forraje ensilado por muy poco
dinero. Guatemala Agricola 3(54):833-838. Feb.
1931.
9046. LUSH, R. H. & BARR, H. T. Silage and silo construction.
Louisiana Agricultural Experiment Station Circular
no. 2. 1930. 20 p.
9047. McKEON, C. J. Fodder conservation. Queensland Agri-
cultural Journal 58(4):197-210. April 1944.
9048. McNALL, P. E. & HARTMAN, W. A. Cost of filling silos.
Wisconsin Agricultural Experiment Station Bulletin
386. 1926. 12 p.

9049. MARTIN, T. G., STODDARD, G. E. & PORTER, A. R. The effects of added corn meal and dried whey and of moisture level on the preservation of alfalfa silage. Journal of Dairy Science 35(12):1076-1082. Dec. 1952.
9050. METZGER, J. E. & SELLMAN, R. L. Corn silage production. Maryland Agricultural Experiment Station Bulletin no. 329. 1931. 12 p.
9051. MILLER, J. I. & OTHERS. Feeding value of mixed hays, grass silage, and corn silage for steer calves and beef cows. New York (Cornell) Agricultural Experiment Station Bulletin 923. 1957. 32 p.
9052. MILLER, R. C. Trench silos. Ohio Agricultural Experiment Station Bimonthly Bulletin 19(171):205-207. Nov.-Dec. 1934.
9053. MONROE, C. F. & PERKINS, A. E. Silage made from "poor" corn is valuable feed. Ohio Farm & Home Research 32(249): 218-222. Nov.-Dec. 1947.
9054. MONRROY, HELIODORO & RIVAS TAGLE, ANTONIO. Ensilaje y silos subterraneos. San Jacinto, D. F., Mexico, Direccion General de Agricultura, Departamento de Extension, 1928. 39 p. (mimeografiado)
9055. MORISON, F. L. Relative cost of hay-crop silage and corn silage. Ohio Agricultural Experiment Station Bimonthly Bulletin 25(205):122-123. July-Aug. 1940.
9056. MORRISON, KENNETH J., AUSTENSON, HERMAN & VAN KEUREN, ROBERT. Making corn silage. Washington State College of Agriculture Extension Service Bulletin 524. 1957. 3 p.
9057. MYERS, C. H., LOVE, H. H. & BUSSELL, F. P. Production of new strains of corn for New York. New York (Cornell) Agricultural Experiment Station Bulletin no. 408:205-268. 1922.
9058. NATIONAL INSTITUTE FOR RESEARCH IN DAIRYING, SHINFIELD, READING. The Spangenberg process of sprouting maize for fodder. International Review of Agriculture. Monthly Bulletin of Agricultural Science and Practice 26(2):62T-86T. Feb. 1935.

9059. NEIDIG, RAY E. Acidity of silage made from various crops. Journal of Agricultural Research 14(10):395-409. Sept. 2, 1918.
9060. NEVENS, W. B. Corn as a silage crop; varieties, when to harvest, methods of preserving in silo. Illinois Agricultural Experiment Station Circular 409. 1933. 12 p.
9061. _____ Silage crops for dairy cattle. Illinois Agricultural Experiment Station Circular 463. 1936. 16 p.
Corn silage, pp. 3-8, 10-14.
9062. _____ Types and varieties of corn for silage; yield of nutrients; composition, feeding value for milk production. Illinois Agricultural Experiment Station Bulletin no. 391:65-124. 1933.
9063. _____ & DUNGAN, G. H. Yields of corn hybrids harvested for silage: and methods to determine best time to harvest. Illinois Agricultural Experiment Station Bulletin no. 494:385-412. 1942.
9064. _____ & DUNGAN, G. H. Yields of corn hybrids harvested for silage. Second report. Illinois Agricultural Experiment Station Bulletin no. 533:365-384. 1949.
9065. _____ & OTHERS. The ear and leaf-stalk contents of corn forage as factors in silage evaluation. Journal of Dairy Science 37(9):1088-1093. Sept. 1954.
9066. _____ & OTHERS. A method for estimating the money value of corn silage. Illinois Agricultural Experiment Station Bulletin 576. 1954. 16 p.
9067. NEW SILAGE-TYPE corn announced for use in western Oregon. What's New in Crops & Soils 7(9):27. Aug.-Sept. 1955.
9068. OAKLEY, R. A. Some silage problems. American Society of Agronomy. Journal 16(3):186-192. Mar. 1924.
9069. ODLAND, T. E. & KNOBLAUCH, H. C. Corn varieties for silage in Rhode Island. Rhode Island Agricultural Experiment Station Bulletin 257. 1936. 14 p.

9070. OLSON, HOWARD M. Silage dependable forage crop at Williston; fertilizer boosts irrigated silage corn. North Dakota Agricultural Experiment Station Bi-monthly Bulletin 18(5):175-176. May-June 1956.
9071. ORTIGAS, ROEL Z. The nutritive value and palatability of combinations of corn and madre de cacao (Gliricidia sepium Steud.) silage. Philippine Agriculturist 40(4):171-177. Sept. 1956.
9072. OTIS, C. K. How much does your silo hold? Minnesota Farm and Home Science 4(3):6-7. May 31, 1947.
9073. OWEN, J. R. & OTHERS. Corn silage leads sorghum in dairy feeding test. Mississippi Farm Research 18(4):6, 7. April 1955.
9074. PACKAGED silage; will plastics replace silos? New Jersey Agriculture 35(4):4-5. July-Aug. 1953.
9075. PEARSON, F. A. & GAINES, W. L. The evaluation of corn silage. American Society of Agronomy. Journal 16(4):251-260. April 1924.
9076. PERKINS, A. E. Losses and exchanges of material during the storage of corn as silage. Ohio Agricultural Experiment Station Bulletin no. 370:287-306. 1923.
9077. _____ Losses in silage making. Ohio Agricultural Experiment Station Bimonthly Bulletin 28(220):32-34. Jan.-Feb. 1943.
9078. _____ Newer developments regarding silos and silage. Ohio Agricultural Experiment Station Bimonthly Bulletin no. 159:207-214. Nov.-Dec. 1932.
9079. _____ & ROGERS, C. F. Make silage of immature corn. Ohio Farm and Home Research 32(248):163-167. Sept.-Oct. 1947.
9080. PORTER, JOHN & OTHERS. Carotene content of the corn plant. Journal of Agricultural Research 72(5):169-187. Mar. 1, 1946.
9081. PRATT, A. D. & ROGERS, C. F. Moldy corn as a silage conditioner. Ohio Farm and Home Research 43(314):77. Sept.-Oct. 1958.

9082. THE PRODUCTION of silage. Tropical Agriculturist (Ceylon) 80(4):245-248. April 1933.
9083. QUEIPO DE LLANO, J. El maiz como cultivo forrajero. Espana, Ministerio de Agricultura, Hojas Divulgadoras no. 21-56H. 1956. 12 p.
9084. RAGSDALE, A. C. & TURNER, C. W. Silage investigations; loss of nutrients in the silo and during the field curing of corn. Missouri Agricultural Experiment Station Research Bulletin 65. 1924. 10 p.
9085. REID, W. R. Corn as forage and green manure. Crops & Soils 11(8):18-19. May 1959.
9086. RICHEY, FREDERICK D. Handling the soft-corn crop. U. S. Department of Agriculture Department Circular 333. 1924. 8 p.
9087. ROBERTS, I. P. Growing corn for fodder and ensilage. New York (Cornell) Agricultural Experiment Station Bulletin no. 4: 49-57. 1888.
9088. _____ & CLINTON, L. A. Forage crops. New York (Cornell) Agricultural Experiment Station Bulletin no. 135:269-296. 1897.
9089. _____ & WING, HENRY H. Growing corn for fodder and ensilage. New York (Cornell) Agricultural Experiment Station Bulletin 16. 1890. 15 p.
9090. SALUNKHE, D. K. Possible use of sorbic acid as a preservative for corn silage. Nature (London) 178(4543):1187. Nov. 24, 1956.
9091. SHAFER, JOHN & WIGGANS, R. G. Correlation of total dry matter with grain yield in maize. American Society of Agronomy. Journal 33(10):927-932. Oct. 1941.
9092. SHAW, R. H. & WRIGHT, P. A. A comparative study of the composition of the sunflower and corn plants at different stages of growth. Journal of Agricultural Research 20(10):787-793. Feb. 15, 1921.
9093. _____, WRIGHT, P. A. & DEYSHER, E. F. Nitrogen and other losses during the ensiling of corn. U. S. Department of Agriculture Bulletin no. 953. 1921. 16 p.

9094. SHEPHERD, J. B. & WOODWARD, T. E. Estimating the quantity of settled corn silage in a silo. U. S. Department of Agriculture Circular no. 603. 1941. 12 p.
9095. SHERMAN, J. M. & BECHDEL, S. I. Corn-stover silage. Journal of Agricultural Research 12(9):589-600. Mar. 4, 1918.
9096. SHORT, F. G. Notes on ensilage; varieties of corn, changes in the silo, and feeding rations. Wisconsin Agricultural Experiment Station Bulletin no. 19:16-28. 1889.
9097. SINGLETON, W. R., JONES, D. F. & EVERETT, H. L. Sweet dent silage. Connecticut (New Haven) Agricultural Experiment Station Circular 165. 1948. 14 p.
9098. SMITH, FRANCIS L. & DAVIS, LOREN L. Silage, silage crops and silos. California College of Agriculture Extension Service Circular 411. 1952. 27 p.
9099. SMITH, L. H. Late-sown emergency feed crops for Illinois: soybeans, cowpeas, corn, sudan grass, rye, millet, sorghum, rape, buckwheat. Illinois Agricultural Experiment Station Circular 423. 1934. 8 p.
9100. SNYDER, HARRY. Forage crops of high, medium and low protein content. Minnesota Agricultural Experiment Station Bulletin no. 101:225-256. 1907.
9101. SOBERON, CARLOS. Un silo en cada explotacion ganadera. Tierra (Mexico) 2(3):174-175. Mar. 1947.
9102. SOFT CORN - how to store and feed it. Illinois Agricultural Experiment Station Circular no. 293. 1924. 16 p.
9103. SOTOLA, J. Biological values and supplementary relations of the proteins in alfalfa hay and in corn and sunflower silage. Journal of Agricultural Research 40(1):79-96. Jan. 1, 1930.
9104. SPEER, R. P. Corn fodder. Iowa Agricultural Experiment Station Bulletin no. 10:438-440. 1890.
9105. STEWART, GEORGE & WILSON, A. L. Silage corn varieties for Utah. Utah Agricultural Experiment Station Bulletin 211. 1929. 16 p.

9106. TAYLOR, M. WRIGHT, BENDER, C. B. & RUSSELL, WALTER C. Effect of ensiling upon the composition of forage crops. New Jersey Agricultural Experiment Station Bulletin 683. 1940. 19 p.
9107. THATCHER, L. E. Sunflowers for silage in Ohio; corn more satisfactory under all conditions. Ohio Agricultural Experiment Station Monthly Bulletin 7(3-4):43-49. Mar.-April 1922.
9108. VAN VLACK, C. H. How to use, build and maintain horizontal silos. Iowa Farm Science 8(2):15-16. Aug. 1953.
9109. _____ Making ear-corn and shelled corn silage. Iowa Farm Science 7(3):6-8. Sept. 1952.
9110. VOORHEES, EDWARD B. & LANE, CLARENCE B. The cost and feeding value of the dry matter of dried corn fodder and of silage. New Jersey Agricultural Experiment Station Bulletin 122. 1897. 16 p.
9111. WAUGH, R. K. & OTHERS. Additions of hay to corn silage to maximize feed intake and milk production. Journal of Dairy Science 38(6):688-692. June 1955.
9112. WHITE, G. C., JOHNSON, R. E. & CONNELLY, R. G. Corn silage feeding investigations. (Seventh paper). Variations in hay consumption of dairy cattle with corn silages of different dry matter content. Connecticut (Storrs) Agricultural Experiment Station Bulletin no. 167:189-203. 1930.
9113. WIGGANS, R. G. Combinations of corn and soybeans for silage. New York (Cornell) Agricultural Experiment Station Bulletin 634. 1935. 34 p.
9114. _____ Corn and soybeans for silage. New York (Cornell) Agricultural Experiment Station Bulletin 548. 1932. 36 p.
9115. _____ The influence of stage of growth of corn on the composition of silage. American Society of Agronomy. Journal 29(6):456-467. June 1937.
9116. _____ Sunflowers as compared with corn as a silage crop for New York. New York (Cornell) Agricultural Experiment Station Bulletin 456. 1926. 29 p.

9117. WIIDAKAS, WILLIAM. Adapted corn is best for silage or grain.
North Dakota Agricultural Experiment Station Bimonthly
Bulletin 18(5):164-172. May-June 1956.
9118. _____ & OTHERS. Grow more corn for silage, feed
reserves and weed control. North Dakota Agricultural
Experiment Station Bimonthly Bulletin 16(4):119-124.
Mar.-April 1954.
9119. WILSON, JAMES W. & KUHLMAN, ARTHUR H. Sunflower silage for
steers; smutted corn silage for pregnant cows. South
Dakota Agricultural Experiment Station Bulletin no.
199:469-482. 1922.
9120. WIMER, D. C. Composition of mature corn stover as affected
by variety, soil type, and fertilizer treatment.
Illinois Agricultural Experiment Station Bulletin no.
437:173-272. 1937.
9121. WISEMAN, HERBERT G. & OTHERS. The carotene content of market
hays and corn silage. Journal of Agricultural Research
57(9):635-669. Nov. 1, 1938.
9122. WOODWARD, ROLLO W. & PETERSON, H. B. Hybrid corn for
ensilage; when used for silage corn is one of highest
yielding field crops for irrigated lands in Utah.
Utah Farm and Home Science 9(2):5, 14-15. June 1948.
9123. WRIGHT, P. A. & SHAW, R. H. A laboratory study to determine
the best time to ensile corn, sunflowers, and sudan
grass. Journal of Agricultural Research 32(4):321-333.
Feb. 15, 1926.
9124. ZEASMAN, O. R. & FISH, N. S. Silos: questions and answers.
Wisconsin College of Agriculture Extension Service
Circular 87. 1923. 27 p.

HUMAN FOOD AND NUTRITIONAL STUDIES
(ALIMENTACION HUMANA Y ESTUDIOS NUTRICIONALES)

9125. BLACK, O. F. & ALSBERG, C. L. The determination of the deterioration of maize, with incidental reference to pellagra. U. S. Department of Agriculture. Bureau of Plant Industry Bulletin no. 199. 1910. 36 p.
9126. BRESSANI, RICARDO. Informe sobre estudios nutricionales. En Reunion Centroamericana sobre Mejoramiento del Maiz, 3a, Antigua, Guatemala, 1956. Proyecto Cooperativo Centroamericano. Turrialba, C. R., Instituto Interamericano de Ciencias Agricolas, 1956. pp. 71-73.
9127. BURK, EARL F. Freezing studies with sweet corn varieties in eastern Washington. American Society for Horticultural Science. Proceedings 35:725-727. 1937.
9128. CEDERQUIST, D. C. & OTHERS. Corn meal and macaroni products containing dry primary yeast. II. Nutritional studies. (Abstract) Michigan Agricultural Experiment Station Quarterly Bulletin 31(2):256. Nov. 1948.
9129. CHAVARRIA A., C. El maiz y sus usos como alimento humano. Revista de Agricultura Tropical (El Salvador) 12(22): 117-124. Enero-Dic. 1938.
9130. CORN AND ITS uses as food. U. S. Department of Agriculture Farmers' Bulletin no. 1236. 1923. 26 p.
9131. CRAVITO, RENE O. & OTHERS. Effect of untreated corn and Mexican tortilla upon the growth of rats on a niacin-tryptophan deficient diet. Journal of Nutrition 48(4):453-459. Dec. 10, 1952.
9132. DAVIDSON, JEHIEL. Total and free amylase content of dormant cereals and related seeds. Journal of Agricultural Research 70(6):175-200. Mar. 15, 1945.
9133. DICKINS, DOROTHY. Cornmeal enrichment. Mississippi Agricultural Experiment Station Circular 184. 1953. 6 p.

9134. DICKINS, DOROTHY. Whole cornmeal deficient; enrichment is recommended. Mississippi Farm Research 16(4):2. April 1953.
9135. DUNKER, C. F., FELLERS, C. R. & FITZGERALD, G. A. The stability of vitamin C in sweet corn to shipping, freezing and canning. (Abstract) American Society for Horticultural Science. Proceedings 34:553. 1936.
9136. FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Maize and maize diets; a nutritional survey. Rome, FAO Nutritional Studies no. 9. 1953. 94 p.
Tambien en espanol bajo el titulo "El maiz en la alimentacion; estudio sobre su valor nutritivo". Roma, FAO Estudios Sobre Nutricion no. 9. 1954. 99 p.
9137. FRAPS, G. S. Variations in vitamin A and in chemical composition of corn. Texas Agricultural Experiment Station Bulletin no. 422. 1931. 46 p.
9138. GILES, NORMAN H. & OTHERS. Comparative studies on the B-vitamin content of trisomic and disomic maize. (Abstract) Genetics 31(2):216-217. Mar. 1946.
9139. GILLESPIE, GEORGE T. & OTHERS. Nicotinic acid, lysine, tryptophan and threonine as supplements to high-protein corn. Missouri Agricultural Experiment Station Research Bulletin 679. 1958. 16 p.
9140. GOULD, WILBUR A. & OTHERS. A study of some of the factors affecting the grade and relationships of fresh and processed vegetables. IV. Whole kernel sweet corn for canning and freezing. Ohio Agricultural Experiment Station Research Bulletin 826. 1959. 72 p.
9141. HABER, E. S. Studies dealing with the lying of corn and the varieties best adapted for hominy making. American Society for Horticultural Science. Proceedings 22:353-359. 1925.
9142. HARRIS, ROBERT S. & BUNKER, JOHN W. M. Note on the corn component of a rachitogenic diet. Science (n. s.) 73(1882):95. Jan. 23, 1931.
9143. HAYLETT, D. G. & SMIT, R. J. Maize as human food. Farming in South Africa 26(304):217-221. July 1951.

9144. HECKENDORN, W. & ANDERSON, MABEL. Hablemos un poco del maiz (el maiz es la maxima expresion de la lucha contra el hambre). Revista de Agricultura (Costa Rica) 23(11-12):364-368. Nov.-Dic. 1951.
9145. HOGAN, A. G. & OTHERS. The percentage of protein in corn and its nutritional properties. Journal of Nutrition 57(2): 225-239. Oct. 10, 1955.
9146. HUNT, CHARLES H., RODRIGUEZ, LORRAINE D. & BETHKE, R. M. The environmental and agronomical factors influencing the thiamine, riboflavin, niacin, and pantothenic acid content of wheat, corn, and oats. Cereal Chemistry 27(2):79-96. Mar. 1950.
9147. JAFFE, WERNER. Nota sobre el maiz como alimento humano. Acta Cientifica Venezolana 1(4):165. Nov.-Dic. 1950.
9148. _____ El valor alimenticio del ajonjoli. II. La complementacion mutua de las proteinas del maiz y del ajonjoli. Venezuela, Ministerio de Agricultura y Cria, Departamento de Genetica, Circular no. 30. 1947. 15 p.
9149. KEITH, M. HELEN. A bibliography of researches bearing on the composition and nutritive value of corn and corn products. Illinois Agricultural Experiment Station Bulletin no. 257. 1925. 151 p.
9150. KNOWLES, DARLINE, GROTTODDEN, OLE & LONG, THOMAS E. Freezing vegetables; the comparative suitability of varieties of green beans, lima beans, wax beans, sweet corn and peas for freezing preservation. North Dakota Agricultural Experiment Station Bulletin 322. 1943. 22 p.
Corn, pp. 16-18.
9151. KOCKTURK, OSMAN N. & OTHERS. Nicotinic acid, lysine and tryptophan as supplements to low-protein corn. Missouri Agricultural Experiment Station Research Bulletin 678. 1958. 15 p.
9152. KREHL, W. A., TEPFLY, L. J. & ELVEHJEM, C. A. Corn as an etiological factor in the production of a nicotinic acid deficiency in the rat. Science 101(2620):283. Mar. 16, 1945.

9153. LAGUNA, J. & CARPENTER, K. J. Raw versus processed corn in niacin-deficient diets. Journal of Nutrition 45(1): 21-28. Sept. 10, 1951.
9154. LANGWORTHY, C. F. & HUNT, CAROLINE L. Corn meal as a food and ways of using it. U. S. Department of Agriculture Farmers' Bulletin no. 565. 1914. 24 p.
9155. _____ & HUNT, CAROLINE L. Use of corn, kafir, and cow-peas in the home. U. S. Department of Agriculture Farmers' Bulletin no. 559. 1913. 14 p.
9156. LEASE, E. J. The enrichment of corn meal and grits. South Carolina Agricultural Experiment Station Circular 64. 1943. 11 p.
9157. _____ El enriquecimiento de la harina fina y gruesa de maiz. Agrotecnia (Cuba) 2(3):150-159. Mar. 1948.
9158. LINKSWILER, HELLEN & OTHERS. Availability to man of amino acids from foods. II. Valine from corn. Journal of Nutrition 65(3):455-468. July 1958.
9159. EL MAIZ como alimento humano en la costa. Vida Agricola (Peru) 19(219):99-101. Feb. 1942.
9160. EL MAIZ: contribucion al estudio de los alimentos mexicanos. Tierra (Mexico) 3(11):784-788. Nov. 1948.
9161. MAJORS, KENNETH R. Cereal grains as food and feed. In U. S. Department of Agriculture. Crops in peace and war; the yearbook of agriculture, 1950-1951. Washington, D. C., U. S. Government Printing Office, 1951. pp. 331-340.
9162. MELHUS, IRVING E., AGUIRRE, FRANCISCO & SCRIMSHAW, NEVIN S. Observations on the nutritive value of teosinte. Science 117(3028):34-35. Jan. 9, 1953.
9163. MERRILL, L. H. Cereal foods. Maine Agricultural Experiment Station Bulletin no. 118:117-135. 1905.
9164. _____ Food of man studies. Maine Agricultural Experiment Station Bulletin no. 158:219-238. 1908. Corn, pp. 229-233.

9165. MERRILL, L. H. Indian corn as a food for man. Maine Agricultural Experiment Station Bulletin no. 131: 133-145. 1906.
9166. MEYER, CLARA ROCKE & HETLER, ROSSLEENE ARNOLD. The distribution of vitamin A in some corn-milling products. Journal of Agricultural Research 39(10):767-780. Nov. 15, 1929.
9167. MIRANDA, FRANCISCO DE P. & OTROS. El maiz, contribucion al estudio de los alimentos mexicanos. Ponencia presentada al tercer Congreso de Medicina en colaboracion con la Comision del Maiz y el Departamento de Nutriologia de la S. S. A. Mexico, D. F. s. f. 30 p.
9168. MITCHELL, H. H. & BEADLES, JESSIE R. Corn germ: a valuable protein food. Science 99(2563):129-130. Feb. 11, 1944.
9169. _____, HAMILTON, T. S. & BEADLES, JESSIE R. The relationship between the protein content of corn and the nutritional value of the protein. Journal of Nutrition 48(4):461-476. Dec. 10, 1952.
9170. MOISTURE LOSS in husked and packaged sweet corn less than in un-husked corn. What's New in Crops & Soils 5(6):29. Mar. 1953.
9171. PATINO, JOEL. El maiz en el hogar campesino. Vida Rural en Mexico 1(3):22-26. Abril 1958.
9172. PAUL, PAULINE, FRUEH, M. & OHLSON, M. Corn meal and macaroni products containing dry primary yeast. I. Palatability and acceptability. (Abstract) Michigan Agricultural Experiment Station Quarterly Bulletin 31(2):255. Nov. 1948.
9173. PEARSON, WILLIAM N. & OTHERS. The influence of cooked vs. raw maize on the growth of rats receiving a 9% casein ration. Journal of Nutrition 62(3):445-463. July 10, 1957.
9174. PELLETT, P. L. & PLATT, B. S. A dietary defect in maize developed during treatment with lime. Nature (London) 177(4505):422-424. Mar. 3, 1956.

9175. PENNACCHIOTTI M., IRMA & OTROS. Valoracion microbiologica de riboflavina en maiz. Agricultura Tecnica 16(2): 88-91. Dic. 1956.
9176. QUINTANA, EPAMINONDAS. El ingente problema del maiz en su aspecto agricola y nutritivo. Revista de Agricultura (Costa Rica) 27(8):313-315. Agosto 1955.
9177. RICHARDSON, JESSIE E., MAYFIELD, HELEN L. & DAVIS, RUTH J. The effect of home preservation on the quality and vitamin content of Gloden Bantam sweet corn. Montana Agricultural Experiment Station Bulletin 347. 1937. 22 p.
9178. RICK, CHARLES M. & ANDERSON, EDGAR. On some uses of maize in the Sierra of Ancash. Missouri Botanical Garden. Annals 36(4):405-412. Nov. 1949.
9179. SCHABEN, LEO J. Corn's role in feeding the hungry. Foreign Agriculture 12(7):139-145. July 1948.
9180. SCHULZ, J. A. & THOMAS, BYRON H. The biological value of the proteins of corn germ and endosperm wet-milled experimentally. Cereal Chemistry 26(1):67-71. Jan. 1949.
9181. _____ & THOMAS, BYRON H. The biological value of some commercial corn protein fractions. Cereal Chemistry 26(1):60-66. Jan. 1949.
9182. SILVEIRA, AMAURI H. DA. Fuba de milho. Minas Gerais, Brasil (Estado). Departamento de Producao Vegetal. Boletim de Agricultura 6(11-12):65-67. Nov.-Dez. 1957.
9183. SMITH, DOROTHY V. Frozen corn; don't keep it too long. New Jersey Agriculture 35(5):8-9. Sept.-Oct. 1953.
9184. SMITH, MARGARET CAMMACK. A quantitative comparison of the vitamin-A content of yellow corn and the grain sorghums hegari and yellow milo. Journal of Agricultural Research 40(12):1147-1153. June 15, 1930.
9185. SQUIBB, ROBERT L. & OTHERS. A comparison of the effect of raw corn and tortillas (lime-treated corn) with niacin, tryptophan or beans on the growth and muscle niacin of rats. Journal of Nutrition 67(3):351-361. Mar. 1959.

9186. STEENBOCK, H. White corn vs. yellow corn and a probable relation between the fat-soluble vitamine and yellow plant pigments. *Science* (n. s.) 50(1293): 352-353. Oct. 10, 1919.
9187. SURE, BARNETT & OTHERS. Protein efficiency, improvement in whole yellow corn with lysine, tryptophan, and threonine. *Journal of Agricultural and Food Chemistry* 1(9): 626-629. July 22, 1953.
9188. TEAS, HOWARD J. B vitamins in starchy and sugary maize endosperms. *Plant Physiology* 29(2): 190-194. Mar. 1954.
9189. THOM, CHARLES & LEFEVRE, EDWIN. Flora of corn meal. *Journal of Agricultural Research* 22(4): 179-188. Oct. 22, 1921.
9190. THOMAS, KATHREEN, PACE, JUNE K. & WHITACRE, JESSIE. Effect of enrichment on the thiamine, riboflavin and niacin of corn meal and grits as prepared for eating. *Texas Agricultural Experiment Station Bulletin* 753. 1952. 30 p.
9191. UTILIDAD del maiz. *Cuba Ganadera* 18(4): 31-33. Dic. 1957.
9192. WALKER, A. R. P. Low niacin concentration in the breast milk of Bantu mothers on a high-maize diet. *Nature* (London) 173(4400): 405-406. Feb. 27, 1954.
9193. WATKINS, JAMES M. Corn is the no. 1 food crop of the people of El Salvador. In U. S. Department of Agriculture. *Crops in peace and war, the yearbook of agriculture, 1950-1951.* Washington, D. C., U. S. Government Printing Office, 1951. p. 183.
9194. WINTON, A. L., BURNET, W. C. & BORNMANN, J. H. Composition of corn (maize) meal manufactured by different processes and the influence of composition on the keeping qualities. *U. S. Department of Agriculture Bulletin* no. 215. 1915. 31 p.

9195. WOODRUFF, SYBIL. Corn: ways of using as a low-cost food.
Illinois Agricultural Experiment Station Circular
399. 1932. 15 p.
9196. WOODS, CHARLES D. Food value of corn and corn products.
U. S. Department of Agriculture Farmers' Bulletin
no. 298. 1907. 40 p.
9197. _____ & MERRILL, L. H. Cereal breakfast foods.
Maine Agricultural Experiment Station Bulletin
no. 55:93-106. 1899.
9198. YOUNGBURG, GUY E. Breakfast foods and their relative
value. South Dakota Agricultural Experiment
Station Bulletin no. 168:446-461. 1916.

STORAGE AND DRYING OF GRAIN
(ALMACENAJE Y SECADO DEL GRANO)

9199. ABALO, RAUL A. Ensayo de conservacion de maiz tipo dentado y corneo en trojes. En Argentina. Centro Regional Pampeano de Investigaciones Agropecuarias. Memoria de la Quinta Reunion de Maiz, 27 y 28 de julio de 1950 en la Estacion Experimental Pergamino. Pergamino, 1950. pp. 157-163, 165.
9200. ALBERTS, H. W. Effect of immaturity on shrinkage, shelling percentage, and germination of seed corn. American Society of Agronomy. Journal 18(7):603-604. July 1926.
9201. _____ A method for storing small quantities of seed corn. American Society of Agronomy. Journal 19(6):567-568. June 1927.
9202. _____ Moisture content of corn in relation to relative humidity and temperature of the atmosphere. American Society of Agronomy. Journal 18(11):1029-1034. Nov. 1926.
9203. ALEXANDER, F. E. S. & CLIFFORD, H. T. Differential insecticide damage in maize varieties. Nature (London) 179(4550):109. Jan. 12, 1957.
Note eratum for this article "In page 109, line 2, "carbon disulphide" read "carbon tetrachloride", this eratum appears in Nature 179(4556):403. Feb. 23, 1957.
9204. ALMACENAMIENTO de la semilla del maiz. San Jacinto, Mexico, D. F., Secretaria de Agricultura y Fomento, Departamento de Ensenanza y Divulgacion Agricola, 1940. 6 p.
9205. ALVAREZ DE TOLEDO, RAMON. Recoleccion y conservacion del maiz. Espana, Ministerio de Agricultura, Hojas Divulgadoras num. 1-55H. Enero 1955. 12 p.

9206. APPLEMAN, CHARLES O. Some chemical aspects of sweet corn drying. Maryland Agricultural Experiment Station Bulletin no. 267: 285-298. 1924.
9207. _____ & ARTHUR, JOHN M. Carbohydrate metabolism in green sweet corn during storage at different temperatures. Journal of Agricultural Research 17(4):137-152. July 15, 1919.
9208. AROSEMENA P., AUGUSTO. Almacenamiento de semillas de maiz en Panama. En Reunion Centroamericana sobre el Mejoramiento del Maiz, 1a, Turrialba, C. R., 1954. Proyecto Cooperativo Centroamericano. Turrialba, C. R., Instituto Interamericano de Ciencias Agricolas, 1954. pp. 407-409.
9209. BAILEY, C. H. Respiration of shelled corn. Minnesota Agricultural Experiment Station Technical Bulletin no. 3. 1921. 44 p.
9210. BAKER, VERNON H. The oil-burning crop drying unit. Agricultural Engineering 32(12):657-660. Dec. 1951.
9211. BARNES, DOUGLAS & QUINTANA, RODOLFO. Medidas para combatir insectos y roedores que atacan los granos almacenados. Vida Rural en Mexico 1(1):34-35. Feb. 1958.
9212. _____, SMITH, D. L. & CANDIA Z., DANIEL. Almacenaje de maiz en el tropico con y sin control de humedad. Agricultura Técnica en Mexico no. 7:15, 43-45. Invierno 1958-59.
9213. BARRE, H. J. Results of research in corn storage. Agricultural Engineering 21(6):219-222. June 1940.
9214. BAY, OVID & WORMLEY, GEORGE. New ways to store shelled corn. Farm Journal 82(7):32, 92. July 1958.
9215. BEATY, HAROLD & JOHNSON, ERWIN. Putting electricity to work: corn elevation. Iowa Farm Science 4(4):13. Oct. 1949.
9216. BECHTEL, H. ERNEST & OTHERS. Pit silos for the storage of Atlas sorgo grain and of soft corn. Journal of Animal Science 4(4):438-452. Nov. 1945.
9217. BOERNER, E. G. Factors influencing the carrying qualities of American export corn. U. S. Department of Agriculture Bulletin no. 764. 1919. 99 p.

9218. BOTTOMLEY, R. A., CHRISTENSEN, C. M. & GEDDES, W. F. Grain storage studies. X. The influence of aeration, time, and moisture content on fat acidity, non-reducing sugars, and mold flora of stored yellow corn. *Cereal Chemistry* 29(1):53-64. Jan. 1952.
9219. _____, CHRISTENSEN, C. M. & GEDDES, W. F. The influence of various temperatures, humidities, and oxygen concentrations on mold growth and biochemical changes in stored yellow corn. *Grain storage studies IX. Cereal Chemistry* 27(4):271-296. July 1950.
9220. BRAUN, DICK & O'BRIEN, DONALD K. Silos - just the thing for shelled corn. *Farm Journal* 82(7):54. July 1958.
9221. BROCKINGTON, S. F., DORIN, H. C. & HOWERTON, H. K. Hygroscopic equilibria of whole kernel corn. *Cereal Chemistry* 26(2): 166-173. Mar. 1949.
9222. BROWN, C. E. & ROSSMAN, E. C. A machine for ear corn moisture samples. *Agronomy Journal* 46(5):240. May 1954.
9223. BURLISON, W. L. & WHITE, E. A. Selection and storage of seed corn. *Illinois Agricultural Experiment Station Circular no. 225.* 1918. 16 p.
9224. BUSBOOM, G. H. Save all of your crop. *What's New in Crops & Soils* 4(2):14-15. Nov. 1951.
9225. CASWELL, G. H. & CLIFFORD, H. T. The effect of ethylene dichloride and carbon tetrachloride on the germination and early growth of maize. *Empire Journal of Experimental Agriculture* 26(104):365-372. Oct. 1958.
9226. CATAMBAY, ALEJANDRO B., HERNIT, A. C. & GRAY, H. E. Storage of ear corn in cribs. *Philippine Agriculturist* 41(1-2):68-75. June-July 1957.
9227. CEVALLOS G., MIGUEL A. Metoxicloro contra plagas en maiz almacenado. (*Compendio*) En Reunion Interamericana de Fitogenetistas, Fitopatologos, Entomologos y Edafologos, 3a, Bogota, Colombia, 1955. Bogota, Colombia, Ministerio de Agricultura, Oficina de Investigaciones Especiales, 1958. pp. 270-271.

9228. CHAPMAN, HAROLD C. & SCHMITT, JOHN B. Controlling insects in stored grain. Agricultural Leaders' Digest 39(8):15. Sept. 1958.
9229. CHRISTENSEN, CLYDE M. Deterioration of stored grains by fungi. Botanical Review 23(2):108-134. Feb. 1957.
9230. _____ The mole population of corn and wheat and its relation to heating. (Abstract) American Journal of Botany 34(10):593. Dec. 1947.
9231. CLAYTON, J. T. Cooling stored grain to prevent spoilage in the top layers. Illinois College of Agriculture Extension Service in Agriculture and Home Economics Circular 764. 1956. 7 p.
9232. _____ & CURTIS, J. O. Remodeling cribs for shelled-corn storage. Illinois College of Agriculture Extension Service in Agriculture and Home Economics Circular 775. 1957. 12 p.
9233. LA CONSERVATION des graines de maïs. Institut National pour l'Etude Agronomique du Congo Belge. Bulletin d'Information 2(1):63-66. Feb. 1953.
9234. COTTON, RICHARD T. & ASHBY, WALLACE. Insect pests of stored grains and seed. In U. S. Department of Agriculture. Insects, the yearbook of agriculture, 1952. Washington, D. C., U. S. Government Printing Office, 1952. pp. 629-639.
9235. CRANE, PAUL L. The use of pre-harvest sprays as an aid in field drying corn. Agronomy Journal 50(1):35-36. Jan. 1958.
9236. _____, MILES, S. R. & NEWMAN, J. E. Factors associated with varietal differences in rate of field drying in corn. Agronomy Journal 51(6):318-320. June 1959.
9237. DACHTLER, WILLIAM C. & OTHERS. Costs of storing reserve stocks of corn in country elevators, at bin sites, and on farms. U. S. Department of Agriculture. Marketing Research Report no. 93. 1955. 60 p.
9238. DAVIS, V. W., VAN ARSDALL, R. N. & WILLS, J. E. Management and costs of field-shelling and artificial drying of corn in Illinois. Illinois Agricultural Experiment Station Bulletin 638. 1959. 72 p.

9239. DE, R. K. & KULASH, WALTER M. Can we outgrow weevily corn? North Carolina Research and Farming 17(2):15. Aug. 1958.
9240. DOUGLAS, N. J. Hybrid maize bulk-handled and artificially dried. Queensland Agricultural Journal 84(2):63-69. Feb. 1958.
9241. DRYING EAR corn with heated air. U. S. Department of Agriculture Leaflet no. 333. 1952. 16 p.
9242. DRYING EAR corn with unheated air. U. S. Department of Agriculture Leaflet no. 334. 1952. 16 p.
9243. DRYING SHELLLED corn and small grain with heated air. U. S. Department of Agriculture Leaflet no. 331. 1952. 12 p.
9244. DRYING SHELLLED corn and small grain with unheated air. U. S. Department of Agriculture Leaflet no. 332. 1952. 10 p.
9245. DUNCAN, J. R. & MARSTON, A. R. Curing and storing of seed corn; the effect of different temperatures in drying seed corn of different stages of maturity, on germination. Michigan Agricultural Experiment Station Quarterly Bulletin 8(2):66-68. Nov. 1925.
9246. DUNGAN, GEORGE H. Some factors affecting the water absorption and germination of seed corn. American Society of Agronomy. Journal 16(8):473-481. Aug. 1924.
9247. DUNNING, J. W., WINTER, P. & DALLAS, D. The storage of corn-cobs and other agricultural residues for industrial use. Agricultural Engineering 29(1):11-13, 17. Jan. 1948.
9248. DUVEL, J. W. T. Moisture content and shrinkage in grain. U. S. Department of Agriculture. Bureau of Plant Industry Circular no. 32. 1909. 13 p.
9249. _____ & DUVAL, LAUREL. The shrinkage of shelled corn while in cars in transit. U. S. Department of Agriculture Bulletin no. 48. 1913. 21 p.
9250. EDEN, W. G. Control of rice weevil in corn with protectant dusts and sprays. Journal of Economic Entomology 46(6):1105-1107. Dec. 1953.

9251. EVERETT, BERNARD A. & BENEKE, RAYMOND R. What does it cost to dry corn? Iowa Farm Science 11(3):3-6. Sept. 1956.
9252. EVVARD, JOHN M. The soft corn problem. Iowa Agricultural Experiment Station Circular no. 40. 1917. 8 p.
9253. FAO LATIN AMERICAN REGIONAL MEETING ON CONTROL OF INFESTATION IN STORED GRAINS AND OTHER PRODUCTS, PALMIRA AND CALI, COLOMBIA, 1949. Report. Rome, Food and Agriculture Organization of the United Nations, 1949? 29 p. (mimeographed)
9254. FERNANDEZ YEPEZ, ALBERTO. Contribucion al estudio del almacenamiento del maiz en el tropico. Caracas, Venezuela, Editorial Elite, 1947. 42 p. (3a Conferencia Interamericana de Agricultura, Caracas. Cuadernos Verdes, Serie Nacional no. 67).
9255. FORCED ventilation can save spoiling grain. Iowa Farm Science 8(4):7. Oct. 1953.
9256. FOSTER, GEORGE H. Methods of conditioning shelled corn. Agricultural Engineering 31(10):497-500, 502. Oct. 1950.
9257. GATTONI, LUIS A. El Paraguay salva su cosecha de maiz en silos subterraneos. Hacienda 46(10):42-45. Oct. 1951. Publicado en edicion mimeografiada por el Servicio Tecnico Interamericano de Cooperacion Agricola de Paraguay en 1952. 6 p.
9258. GAUSMAN, H. W. & OTHERS. Some effects of artificial drying of corn grain. Plant Physiology 27(4):794-802. Oct. 1952.
9259. GOODMAN, J. J. Lipolytic activity of certain fungi important in grain deterioration. (Abstract) Phytopathology 41(1):14. Jan. 1951.
9260. _____ & CHRISTENSEN, CLYDE M. Grain storage studies. XI. Lipolytic activity of fungi isolated from stored corn. Cereal Chemistry 29(4):299-308. July 1952.
9261. GOODWIN, W. H. Grain-bin sanitation; insect injuries to stored cereals prevented by cleaning bins. Ohio Agricultural Experiment Station Monthly Bulletin 2(7):223-224. 1917.
9262. GRAHAM, W. M. & KOCKUM, S. Protection of bagged maize with Lindane and DDT. Tropical Agriculture (Trinidad) 35(4):292-298. Oct. 1958.

9263. GRINDROD, JOHN. Grain production and storage in the Argentine. *World Crops* 4(5):167-170. May 1952.
9264. GROSS, E. R. & WALKDEN, H. H. Storing grain in small bins. *In U. S. Department of Agriculture. Science in farming, the yearbook of agriculture, 1943-47.* Washington, D. C., U. S. Government Printing Office, 1947. pp. 863-866.
9265. HALL, CARL W. Calcium chloride for moisture absorption in corn storage. *Michigan Agricultural Experiment Station Quarterly Bulletin* 40(3):561-567. Feb. 1958.
9266. _____ & RODRIGUEZ-ARIAS, JORGE H. Equilibrium moisture content of shelled corn. *Agricultural Engineering* 39(8):466-470. Aug. 1958.
9267. HAM, G. F. & WILLARD, C. J. Herbicides apparently do not speed corn drying. *Ohio Farm and Home Research* 40(296):79. Sept.-Oct. 1955.
9268. HANSEN, RALPH & OTHERS. How to manage stored grain. *Iowa Farm Science* 9(2):3-6. Aug. 1954.
9269. HARRISON, C. M. & WRIGHT, A. H. Seed corn drying experiments. *American Society of Agronomy. Journal* 21(10):994-1000. Oct. 1929.
9270. HARRISON, D. S. & GREEN, V. E. Drying corn with LP gas. *Agricultural Leaders' Digest* 39(8):14. Sept. 1958.
9271. HARTLEY, C. P. Harvesting and storing corn. *U. S. Department of Agriculture Farmers' Bulletin* 313. 1907. 29 p.
9272. HATHAWAY, I. L., YUNG, F. D. & KIESSELBACH, T. A. The effect of drying temperature upon the nutritive value and commercial grade of corn. *Journal of Animal Science* 11(2):430-440. May 1952.
9273. HEDDEN, SCOTT L. & HALL, CARL W. Airflow from a raised duct in shelled corn. *Michigan Agricultural Experiment Station Quarterly Bulletin* 39(3):500-504. Feb. 1957.
9274. HENDERSON, S. MILTON. Resistance of shelled corn and bin walls to air flow. *Agricultural Engineering* 24(11):367-369, 374. Nov. 1943.

9275. HENRY, G. F., DOWN, E. E. & BATES, W. D. An adequate sample of corn plots with reference to moisture and shelling percentages. American Society of Agronomy. Journal 34(9): 777-781. Sept. 1942.
9276. HERNANDEZ XOLOCOTZI, EFRAIM. Maize granaries in Mexico. Harvard University. Botanical Museum Leaflets 13(7): 153-211. 1949.
9277. HOFF, PAUL R. Storing corn in cribs. New York (Cornell) College of Agriculture Miscellaneous Bulletin 17. 1953? 18 p.
9278. HOLMAN, LEO E. Adapting cribs for corn drying. Agricultural Engineering 29(4): 149-151. April 1948.
9279. _____ Artificial drying of grain crops. What's New in Crops & Soils 4(1): 9-13. Oct. 1951.
9280. _____ & CARTER, DEANE, G. Corn and grain conditioning with or without heat. Agricultural Engineering 28(9): 397-401, 408. Sept. 1947.
9281. _____ & OTHERS. Storage of dry shelled corn in farm-type bins. U. S. Department of Agriculture Circular no. 826. 1949. 36 p.
9282. HOPKINS, EDWIN F. & OTHERS. Investigations on the storage and preservation of seed in Puerto Rico. Puerto Rico (Rio Piedras) Agricultural Experiment Station Bulletin no. 72. 1947. 47 p. Corn, pp. 16-20.
9283. HUBBARD, J. E., EARLE, F. R. & SENTI, F. R. Moisture relations in wheat and corn. Cereal Chemistry 34(6): 422-433. Nov. 1957.
9284. HUELSEN, W. A. The effect of certain external factors on the vigor of sweet corn. American Society for Horticultural Science. Proceedings 23: 221-231. 1926.
9285. _____ & BEMIS, W. P. Artificial drying and rehydration of popcorn and their effects on popping expansion. Illinois Agricultural Experiment Station Bulletin 593. 1955. 68 p.

9286. HUELSEN, W. A. & BEMIS, W. P. Changes in popcorn kernels and cobs while maturing. Illinois Agricultural Experiment Station Bulletin 625. 1958. 59 p.
9287. _____ & THOMPSON, A. E. Artificial drying of popcorn in relation to popping expansion. American Society for Horticultural Science. Proceedings 60:341-350. 1952.
9288. HUGHES, H. D. Salting soft corn. Iowa Agricultural Experiment Station Circular no. 41. 1917. 7 p.
9289. _____, SHEDD, C. K. & BERESFORD, REX. We have some soft corn. Iowa Farm Science Reporter 5(4):3-5. Oct. 1944.
9290. HUKILL, WILLIAM V. Basic principles in drying corn and grain sorghum. Agricultural Engineering 28(8):335-338, 340. Aug. 1947.
9291. HUME, ALBERT N. & CENTER, O. D. The shrinkage of ear corn in cribs. Illinois Agricultural Experiment Station Bulletin no. 113:361-376. 1907.
9292. HURLBUT, L. W. Shelled corn can be stored safely. Nebraska Agricultural Experiment Station Quarterly 1(1):3-5. Summer 1952.
9293. IVES, NORTON C. Grain drying studies; column-batch drying developments and demonstrational activities. Turrialba, C. R., Inter-American Institute of Agricultural Sciences, Technical Cooperation Program, 1953. 14 p. (mimeographed)
9294. _____ Graneros para la America tropical. Hacienda 44(8): 38-40. Agosto 1949.
9295. _____ Los granos: secado y almacenamiento para los climas calidos y humedos; manual de secado y almacenamiento de granos. Turrialba, C. R., Instituto Interamericano de Ciencias Agricolas, 1951. 62 p. (mimeografiado)
9296. _____ Un indicador de la humedad del punto de rocío. Turrialba 1(6):291-295. Oct. 1951.
9297. _____ Nuevos sistemas para el secamiento de granos en los tropicos americanos. Hacienda 44(10):35-38, 58. Oct. 1949.

9298. JAEGER, CAROL M., SHOLLENBERGER, J. H. & McMASTERS, M. M. A selected and annotated bibliography on soft corn and pertinent information on the drying, preservation and storage behavior of corn and other grains. Washington, D. C., U. S. Department of Agriculture, Bureau of Agricultural and Industrial Chemistry, 1945. 48 p. (AIC-100)
9299. JOHNSON, H. K. & DALE, A. C. Heat required to vaporize moisture in wheat and shelled corn during the process of artificial drying. Agricultural Engineering 35(10): 705-709, 714. Oct. 1954.
9300. KELLEY, M. A. R. Corncribs for the corn belt. U. S. Department of Agriculture Farmers' Bulletin no. 1701. 1933. 26 p.
9301. KEMPTHORNE, O., SCHMIDT, J. L. & SNEDECOR, G. W. The estimation of yield of corn of standard moisture content in hybrid seed corn production. American Society of Agronomy. Journal 40(7): 645-654. July 1948.
9302. KIESSELBACH, T. A. Effect of artificial drying upon the germination of seed corn. American Society of Agronomy. Journal 31(6): 489-496. June 1939.
9303. _____ & RATCLIFF, J. A. Freezing injury of seed corn. Nebraska Agricultural Experiment Station Research Bulletin no. 16. 1920. 96 p.
9304. KLIEWER, W. M. & KENNEDY, W. K. Fungicides used for the storage of moist grain. Agronomy Journal 50(8): 493. Aug. 1958.
9305. KOEHLER, BENJAMIN. Effect of prolonged storage of treated seed corn. (Abstract) Phytopathology 28(1): 13. Jan. 1938.
9306. _____ Effect of storage on yields of farm seed treated for disease control: wheat, oats, barley, corn. Illinois Agricultural Experiment Station Bulletin no. 476: 257-276. 1941.
Corn, pp. 264-272.
9307. _____ Fungus growth in shelled corn as affected by moisture. Journal of Agricultural Research 56(4): 291-307. Feb. 15, 1938.

9308. KOEHLER, BENJAMIN. Moisture of shelled corn in relation to fungus growth. (Abstract) *Phytopathology* 22(1):15. Jan. 1932.
9309. _____ Rapid seed-corn drying checks seed infection. (Abstract) *Phytopathology* 30(1):14. Jan. 1940.
9310. _____ & DUNGAN, GEORGE H. Disease infection and field performance of bin-and-hanger-dried seed corn. *American Society of Agronomy. Journal* 32(10):768-781. Oct. 1940.
9311. KRAMER, AMIHUD, GUYER, R. B. & IDE, L. E. Factors affecting the objective and organoleptic evaluation of quality in sweet corn. *American Society for Horticultural Science. Proceedings* 54:342-356. 1949.
9312. KULASH, WALTER M. Stop those corn-eating insects. *North Carolina Research & Farming* 10(3):4-5. Winter 1952.
9313. KYLE, C. H. Shuck protection for ear corn. *U. S. Department of Agriculture Bulletin* no. 708. 1918. 16 p.
9314. LaHUE, W., WOMACK, HERBERT & CLEMENTS, B. W. Treatments for the protection of stored southern-grown corn from rice weevil attack --- exploratory tests. *U. S. Department of Agriculture Marketing Research Report* no. 272. 1958. 20 p.
9315. LARTER, L. N. H. Maize seed storage. *Tropical Agriculture (Trinidad)* 24(4-6):40-44. April-June 1947.
9316. LICHTWARDT, R. W., BARRON, G. L. & TIFFANY, L. H. Mold flora associated with shelled corn in Iowa. *Iowa State College. Journal of Science* 33(1):1-11. Aug. 1958.
9317. McGUIRE, T. A. & EARLE, F. R. Changes in the solubility of corn protein resulting from the artificial drying of high-moisture corn. *Cereal Chemistry* 35(3):179-188. May 1958.
9318. McKEON, C. J. Tanking maize. *Queensland Agricultural Journal* 60(5):268. May 1945.
9319. MACMASTERS, MAJEL M. & OTHERS. Studies on the effect of drying conditions upon the composition and suitability for wet milling of artificially dried corn. *Cereal Chemistry* 31(6):451-461. Nov. 1954.

9320. MACMASTERS, MAJEL M. & OTHERS. A study of the effect of drying conditions on the suitability for starch production of corn artificially dried after shelling. *Cereal Chemistry* 36(3):247-260. May 1959.
9321. McROSTIE, G. P. Some factors influencing the artificial drying of mature grain corn. *Agronomy Journal* 41(9): 425-429. Sept. 1949.
9322. MANERA DE preparar la semilla del maiz y otros granos para evitar que los animales, como sanates, ratones, etc., saquen la semilla de la tierra en las sementeras, sin peligro de envenenamiento para los trabajadores. *Revista Agricola (Guatemala)* 11(9):585. Oct. 1933.
9323. MARCHIONATTO, JUAN B. El "verdin" del maiz. *Buenos Aires. Facultad de Agronomia y Veterinaria. Revista* 9(3):159-169. Feb. 1942.
Summary in English.
9324. MARTIN, JAMES E., MARTIN, LEE R. & TOUSSAINT, W. D. Drying wheat and corn on North Carolina farms. *North Carolina Agricultural Experiment Station Technical Bulletin no. 128.* 1958. 47 p.
9325. MENDES, CARLOS TEIXEIRA. Conservacao do milho. *Brasil, Sao Paulo, Secretaria da Agricultura, Industria e Comercio,* 1944. 6 p.
9326. MILES, S. R. The relation between the moisture content and the test weight of corn. *American Society of Agronomy. Journal* 29(5):412-418. May 1937.
9327. _____ & REMMENGA, ELMER E. Relations of kernel, cob, and ear moisture in dent corn. *Indiana (Purdue) Agricultural Extension Service Bulletin 399.* 1954. 11 p.
9328. _____ & REMMENGA, ELMER E. Relations of kernel, cob, and ear moisture in dent corn. *Indiana (Purdue) Agricultural Experiment Station Bulletin 599.* 1953. 42 p.
9329. MILLER, ERSTON V. & BROOKS, CHARLES. Effect of carbon dioxide content of storage atmosphere on carbohydrate transformation in certain fruits and vegetables. *Journal of Agricultural Research* 45(8):449-459. Oct. 15, 1932.
Sweet corn, pp. 451-454.

9330. MILLER, ERSTON V. & DOWD, OSCAR J. Effect of carbon dioxide on the carbohydrates and acidity of fruits and vegetables in storage. *Journal of Agricultural Research* 53(1):1-17. July 1, 1936.
9331. MILLER, R. C. Save that soft corn! *Ohio Farm & Home Research* 32(248):172-181. Sept.-Oct. 1947.
9332. MOORE, STEVE & PETTY, H. B. Protect your stored grain from insects. *Illinois College of Agriculture Extension Service Circular* 745. 1955. (folded leaflet)
9333. NAGEL, C. M. & SEMENIUK, G. Some mold-induced changes in shelled corn. *Plant Physiology* 22(1):20-33. Jan. 1947.
9334. NEAL, N. P. & DAVIS, J. R. Seed viability of corn inbred lines as influenced by age and conditions of storage. *Agronomy Journal* 48(8):383-384. Aug. 1956.
9335. NORTH CAROLINA AGRICULTURAL EXPERIMENT STATION. All-purpose dryer fits into farm operations. *Research & Farming Progress Report* 7(4):58. April 1949. (71st. annual report, 1948)
9336. _____ Engineers build, test new seed corn dryer. *Research & Farming Progress Report* 7(4):28. April 1949. (71st. annual report, 1948)
9337. _____ Farmer dries corn in tobacco barn. *Research & Farming Progress Report* 8(4):39. Spring 1950. (72nd. annual report, 1949)
9338. _____ Off-farm storage helps corn market. *Research & Farming Progress Report* 8(4):39. Spring 1950. (72nd. annual report, 1949)
9339. _____ Tobacco barns make good emergency corn dryers. *Research & Farming Progress Report* 6(3):11-12. April 1948. (70th annual report, 1947)
9340. NORTON, L. J. & STEWART, C. L. Seasonal features of Illinois grain marketing. *Illinois Agricultural Experiment Station Bulletin* no. 324:1-46. 1929.

9341. OLAFSON, JON H., CHRISTENSEN, C. M. & GEDDES, W. F. Grain storage studies. XV. Influence of moisture content, commercial grade, and maturity on the respiration and chemical deterioration of corn. Cereal Chemistry 31(4):333-340. July 1954.
9342. OLSON, E. A. Corncrib construction. Nebraska College of Agriculture Extension Service Circular 739. 1948. 9 p.
9343. _____ Re-modeling buildings for corn storage. Nebraska College of Agriculture Extension Service. Farm Buildings no. 1. 1948. 4 p.
9344. _____ Temporary corncribs. Nebraska College of Agriculture Extension Service. Farm Buildings no. 2. 1948. 4 p.
9345. OLVER, E. F. & KJELGAARD, W. L. Better drying facilities for corn and small grains. Pennsylvania Science for the Farmer 5(1):15-16. Summer 1957.
9346. OVIDIO LOPEZ, CESAR. La conservacion de los cereales y los silos subterraneos. Argentina, Instituto Agrario Argentino. Resenas 7(43):25-72. 1946.
9347. OSUNA CARDENAS, MANUEL. Informe de los resultados obtenidos en diez demostraciones sobre conservacion y almacenaje de semillas de maiz en la finca. Revista de Agricultura de Puerto Rico 14(6):367-371. Junio 1925.
9348. OXLEY, T. A. Grain storage in tropical climates. World Crops 7(12):473-477. Dec. 1955.
9349. PARKS, R. Q. A rapid and simple method for determining moisture in forages and grains. American Society of Agronomy. Journal 33(4):325-335. April 1941.
9350. PATCH, L. H. The infestation of corn ears by the European corn borer, and cribbed corn as an auxiliary source of infestation. U. S. Department of Agriculture Circular no. 275. 1933. 8 p.
9351. PEDERSON, HAROLD C. & OTHERS. It pays to protect stored grain. Minnesota Agricultural Extension Service Folder 173. 1952. (folded leaflet)

9352. PERKINS, A. E. Losses and exchanges of material during the storage of corn as silage. Ohio Agricultural Experiment Station Bulletin no. 370:287-306. 1923.
9353. PETERSON, LYALL E. Almacenamiento de granos en Colombia. Revista Pecuaria (Venezuela) 23(239):22-24. Mar. 1955.
9354. PHILLIPS, G. L. Grain fumigation. Agricultural Chemicals 10(1):55-56, 117-121. Jan. 1954.
9355. PLATENIUS, HANS. Effect of temperature on the rate of deterioration of fresh vegetables. Journal of Agricultural Research 59(1):41-58. June 1, 1939.
9356. POOR, DAVID B. An adaptation of drying corn with forced air. Agricultural Engineering 30(2):71-72, 77. Feb. 1949.
9357. POSE, LUIS RODOLFO. Almacenamiento del maiz por el sistema Dillon. Revista Agricola (Guatemala) 1(3-4):13-14. Abril-Sept. 1953.
9358. PRICE, F. E. & BRANTON, IVAN. Corn drying. Oregon Agricultural Experiment Station Bulletin 352. 1937. 30 p.
9359. QASEM, SUBHI A. & CHRISTENSEN, CLYDE M. Influence of moisture content, temperature, and time on the deterioration of stored corn by fungi. Phytopathology 48(10):544-549. Oct. 1958.
9360. RAINES, D. F. & FOGLE, F. E. Seed corn curing and storing. Michigan Agricultural Experiment Station Circular Bulletin no. 96. 1926. 15 p.
9361. RAMIREZ GENEL, MARCOS & BARNES, DOUGLAS. Los insectos y sus danos a los granos almacenados. Mexico, D. F., Secretaria de Agricultura y Ganaderia, Oficina de Estudios Especiales, Folleto Miscelaneo no. 6. 1958. 39 p.
9362. RATHER, H. C. & MARSTON, A. R. A study of corn maturity. Michigan Agricultural Experiment Station Quarterly Bulletin 22(4):278-288. May 1940.

9363. RECOMMENDATIONS for mechanical conditioning of soft or high-moisture corn. Agricultural Engineering 28(8):352-353. Aug. 1947.
9364. RENSON, CARLOS. Conservacion del maiz y de los frijoles. Boletin de Agricultura (El Salvador) 3(16):483-485. Agosto 1903.
9365. RICHEY, FREDERICK D. Handling the soft-corn crop. U. S. Department of Agriculture Department Circular 333. 1924. 8 p.
9366. RICKEY, LACEY F. Costs of storing corn on the farm. Illinois Agricultural Experiment Station Bulletin no. 295:1-16. 1927.
9367. RISSMILLER, W. F. Drying shelled corn and small grain with heated air. Indiana (Purdue) Agricultural Extension Service Leaflet 354. 1953. 7 p.
9368. ROBERTSON, D. W. & LUTE, ANNA M. Germination of the seed of farm crops in Colorado after storage for various periods of years. Journal of Agricultural Research 46(5):455-462. Mar. 1, 1933.
9369. _____ & LUTE, ANNA M. Germination of seed of farm crops in Colorado after storage for various periods of years. American Society of Agronomy. Journal 29(10):822-834. Oct. 1937.
9370. ROBINSON, JOE L. & CHRISTENSEN, JOHN E. Containers for corn moisture samples. American Society of Agronomy. Journal 34(1):59-62. Jan. 1942.
9371. ROGERS, VANCE. Una central secadora de maiz resuelve un gran problema en Costa Rica. Hacienda 39(11):532-533. Nov. 1944.
9372. ROSBACO, URBANO F. Conservacion del maiz con chala. En Argentina. Centro Regional Pampeano de Investigaciones Agropecuarias. Memoria de la Quinta Reunion de Maiz, 27 y 28 de julio de 1950 en la Estacion Experimental Pergamino. Pergamino, 1950. pp. 153-154.
Tambien en: IDIA: Informativo de Investigaciones Agricolas (Argentina) 3(35-36):32. Nov.-Dic. 1950.

9373. ROSBACO, URBANO F. Determinacion del "picado" en maices dentados y "flint". En Argentina. Centro Regional Pampeano de Investigaciones Agropecuarias. Memoria de la Quinta Reunion de Maiz, 27 y 28 de julio de 1950 en la Estacion Experimental Pergamino. Pergamino, 1950. pp. 155-156.
9374. RUSSELL, J. CLAYTON & PROMERSBERGER, W. J. Temporary storage for corn. North Dakota College of Agriculture Extension Service AE-12. 1945. 4 p.
9375. SAVING A SOFT corn crop. Minnesota College of Agriculture Extension Service Pamphlet 142. 1945. (folded leaflet)
9376. SAYRE, J. D. Storage tests with seed corn. Ohio Farm & Home Research 32(247):149-154. July-Aug. 1947.
9377. SCHMIDT, J. L. How does your corn dry? Iowa Farm Science 12(4):6-8. Oct. 1957.
9378. SEALED SILOS tried for damp grain; bigger volume of damp grains created by modern harvesting methods is storage problem. Journal of Agricultural and Food Chemistry 2(24):1211. Nov. 24, 1954.
9379. SEED CORN keeps best when stored near zero in tight, dry container. What's New in Crops & Soils 2(9):29. Aug.-Sept. 1950.
9380. SEMENIUK, G., NAGEL, C. M. & GILMAN, J. C. Observations on mold development and on deterioration in stored yellow dent shelled corn. Iowa Agricultural Experiment Station Research Bulletin no. 349:253-284. 1947.
9381. SHEDD, CLAUDE K. Drying ear corn in farm cribs by natural ventilation. Agricultural Engineering 27(9):425, 427. Sept. 1946.
9382. _____ Handling and storing soft corn on the farm. U. S. Department of Agriculture Farmers' Bulletin no. 1976, rev. 1954. 11 p.
9383. _____ Mechanical drying of corn on the farm. U. S. Department of Agriculture Circular no. 839. 1950. 26 p.

9384. SHEDD, CLAUDE K. Storage of ear corn on the farm. U. S. Department of Agriculture Farmers' Bulletin no. 2010. 1949. 27 p.
9385. _____ Storage of ear corn on the farm in the North Central States. U. S. Department of Agriculture Farmers' Bulletin no. 2076. 1955. 20 p. (Revision of Farmers' Bulletin no. 2010)
9386. _____ & COTTON, R. T. Storage of small grains and shelled corn on the farm. U. S. Department of Agriculture Farmers' Bulletin no. 2009. 1949. 30 p.
9387. SHELDON, W. H. & WIANT, D. E. An elevator for ear corn. Michigan Agricultural Experiment Station Quarterly Bulletin 25(4):291-297. May 1943.
9388. SHEPHERD, GEOFFREY & WILCOX, WALTER W. Stabilizing corn supplies by storage. Iowa Agricultural Experiment Station Bulletin no. 368:293-344. 1937.
9389. _____ When shall we sell our corn? Iowa Agricultural Experiment Station Circular no. 113. 1929. 23 p.
9390. SHIER, G. R. & MILLER, R. C. Ventilation of ear corn in metal cribs. Ohio Agricultural Experiment Station Bimonthly Bulletin 27(219):171-177. Nov.-Dec. 1942.
9391. _____, MILLER, R. C. & JUNNILA, W. A. Drying stored shelled corn by forced ventilation. Ohio Agricultural Experiment Station Bimonthly Bulletin 28(220):28-31. Jan.-Feb. 1943.
9392. SINGLEY, MARK E., KRUEGER, W. C. & MERRILL, L. G. Safe farm storage for grain and shelled corn. New Jersey Agricultural Experiment Station Circular 562. 1954. 11 p.
9393. SNODGRASS, MILTON M. & HARDIN, LOWELL S. An economic analysis of drying wheat and corn on Indiana farms. Indiana (Purdue) Agricultural Experiment Station Bulletin 630. 1955. 19 p.
9394. SOFT CORN - how to store and feed it. Illinois Agricultural Experiment Station Circular no. 293. 1924. 16 p.
9395. STAHL, B. M. Covers for temporary cribs. Iowa Farm Science 3(3):6-7. Sept. 1948.

9396. STANTON, H. RUSSELL. Small grain storage study brings answers to problems. New Jersey Agriculture 35(4): 6-8. July-Aug. 1953.
9397. _____ Study methods of storing corn with high moisture. New Jersey Agriculture 37(4):4-5, 7. July-Aug. 1955.
9398. STORING AND drying ear corn on Wisconsin farms. Wisconsin College of Agriculture Extension Service Special Circular 32. 1953. 7 p.
9399. STORING maize on its feet. Queensland Agricultural Journal 52(4):469. Oct. 1939.
A new method of storing green maize in the stalk.
9400. STORING seed grain. Queensland Agricultural Journal 55(1):51. Jan. 1941.
9401. STRAUGHAN, W. R. The handling and storage of maize on the Atherton Tableland. Queensland Agricultural Journal 68(6):311-326. June 1949.
9402. SWAINE, G. Underground storage of maize in Tanganyika. East African Agricultural Journal 20(2):122-128. Oct. 1954.
9403. TEWFIK, SALAH & SCOTT, L. E. Vegetable storage: respiration of vegetables as affected by postharvest treatment. Journal of Agricultural and Food Chemistry 2(8):415-417. April 14, 1954.
9404. THEY LIKE shelled corn from a silo. Farm Journal 72(9):54R, 54T. Sept. 1958.
9405. THOMPSON, H. J. & SHEDD, C. K. Equilibrium moisture and heat vaporization of shelled corn and wheat. Agricultural Engineering 35(11):786-788. Nov. 1954.
9406. THOMSON, A. G. Grain drying in tropical countries. World Crops 6(4):144-146. April 1954.
9407. TIMSON, S. D. Maize on the cob; the rate of drying out. Rhodesia Agricultural Journal 43(1):6-7. Jan.-Feb. 1946.

9408. USRY, SIDNEY H. Ear corn storage in North Carolina. North Carolina Agricultural Experiment Station Technical Bulletin no. 114. 1955. 44 p.
9409. VAN VLACK, C. H. Don't lose soft corn, it will make good feed if you handle it properly. Iowa Farm Science 2(2):3-4. Aug. 1947.
9410. _____ How to crib corn early safely. Iowa Farm Science 7(4):5-7. Oct. 1952.
9411. _____ Some tips on saving soft corn. Iowa Farm Science 5(4):14. Oct. 1950.
9412. _____ Store corn to keep. Iowa Farm Science 3(3):10. Sept. 1948.
9413. _____ & SHEDD, CLAUDE K. Dryer corn means safer storage. Iowa Farm Science 5(3):7-9. Sept. 1950.
9414. VEIGA, ARY DE ARRUDA. Conservacao do milho doce. Sao Paulo (Estado), Brasil, Secretaria da Agricultura. Notas Agricolas 9:167-168. 1954.
9415. VIADO, G. B. & LABADAN, R. M. DDT treatment of sack containers for the control of storage insects of corn. Philippine Agriculturist 41(3):450-459. Jan. 1958.
9416. WALKDEN, H. H. & NELSON, HOWARD D. Evaluation of methoxychlor for the protection of stored wheat and shelled corn from insect attack. U. S. Department of Agriculture Marketing Research Report no. 213. 1958. 25 p.
9417. _____ & NELSON, HOWARD D. Evaluation of ryania for the protection of stored wheat and shelled corn from insect attack. U. S. Department of Agriculture Marketing Research Report no. 245. 1958. 21 p.
9418. WARD, C. B. & TISCHER, R. G. Use of cobaltous chloride to detect moisture patterns in partially dehydrated kernels of corn. Cereal Chemistry 30(5):420-426. Sept. 1953.
9419. WARREN, F. S. & DIMMOCK, F. A comparison of moisture determination methods for grain corn. Canadian Journal of Agricultural Science 34(5):435-443. Sept.-Oct. 1954.

9420. WATSON, STANLEY A. & HIRATA, YOSHIRO. A method for evaluating the wet millability of steeped corn and grain sorghum. *Cereal Chemistry* 31(5):423-432. Sept. 1954.
9421. WELLS, CHESTER M., WELCH, G. BURNS & JACKS, BARNEY H. Commercial discount rate not accurate measure of loss during corn drying. *Mississippi Farm Research* 22(1):4. Jan. 1959.
9422. WELTON, F. A. Shrinkage in grain; prices of stored cereals must vary monthly because of moisture. *Ohio Agricultural Experiment Station Monthly Bulletin* 3(2):39-43. Feb. 1918.
9423. ————— Storage of seed corn; experimental tests show necessity of drying artificially. *Ohio Agricultural Experiment Station Monthly Bulletin* 3(12):360-362. Dec. 1918.
9424. WHAT WE can do about Iowa's 1953 corn storage problem. *Iowa Farm Science* 8(1):3-6. July 1953.
9425. WHISTLER, ROY L., GOATLEY, J. L. & SPENCER, W. W. Effect of drying on the physical properties and chemical reactivity of corn starch granules. *Cereal Chemistry* 36(1):84-90. Jan. 1959.
9426. ————— & OTHERS. Effect of drying on the presence of cavities in corn starch granules. *Cereal Chemistry* 35(5):331-336. Sept. 1958.
9427. WIANT, D. E. & SHELDON, W. H. The Michigan vertical cup-type elevator for small grain and shelled corn. *Michigan Agricultural Experiment Station Circular Bulletin* 193. 1944. 32 p.
9428. WIGGANS, R. G. & FRENCH, O. C. Farm storage of ear corn in the Northeast. *New York (Cornell) Agricultural Experiment Station Bulletin* 926. 1958. 19 p.
9429. WILCOX, WALTER W. Keeping the corn granary normal. *Iowa Farm Economist* 4(4):3-4. Oct. 1938.
9430. WORMLEY, GEORGE W., ED. New ways to dry corn. *Farm Journal* 72(9):35, 69, 70. Sept. 1958.
9431. WRIGHT, A. H. & DUFFES, F. W. Nuevo sistema para secar maiz. *Agrotecnia (Cuba)* 2(4):264-280. Abril 1948.
9432. YOU CAN STORE grain safely on the farm. U. S. Department of Agriculture Farmers' Bulletin no. 2071. 1954. 15 p.

USES AND BY-PRODUCTS
(USOS Y SUB-PRODUCTOS)

9433. ANDERSON, R. A. & PFEIFER, V. F. A note on experimental wet-milling of high-amylase corn. Cereal Chemistry 36(1): 98-101. Jan. 1959.
9434. ANDERSON, RUDOLPH J. & MOORE, M. G. Studies with phytosterols; phytosterols of corn oil, cottonseed oil, and linseed oil. New York (Geneva) Agricultural Experiment Station Technical Bulletin no. 95. 1923. 16 p.
9435. ARNOLD, LIONEL K. Corn-stalks and cobs in industry. Scientific Monthly 28(5):463-470. May 1929.
9436. AVILA, ANTONIO. Contenido de pentosanas, pentosas y furfural en "marlo" de maiz. IDIA; Informativo de Investigaciones Agricolas (Argentina) 6(62):5-7. Feb. 1953.
9437. BOYD, J. S. & BREVIK, T. J. Use of corn cobs as a filler for concrete used in farm construction. Michigan Agricultural Experiment Station Quarterly Bulletin 35(1):87-94. Aug. 1952.
9438. BRAND, CHARLES J. Crop plants for paper making. U. S. Department of Agriculture. Bureau of Plant Industry Circular no. 82. 1911. 19 p.
9439. _____ The utilization of crop plants in paper making. In U. S. Department of Agriculture. The yearbook of agriculture, 1910. Washington, D. C., U. S. Government Printing Office, 1910. pp. 329-340.
Cornstalks, pp. 330-333.
9440. BRINK, R. A. & ABEGG, F. A. A laboratory method of preparing starch from maize seed. Plant Physiology 2(1):101-102. Jan. 1927.
9441. CHARAVANAPAVAN, C. Flour and food preparations from sorghum, maize and kura kan. Tropical Agriculturist (Ceylon) 110(1):38-41. Jan.-Mar. 1954.

9442. CLOUGH, MALCOLM & BROWNING, JAMES W. Feed grains. In U. S. Department of Agriculture. Marketing, the yearbook of agriculture, 1954. Washington, D. C., U. S. Government Printing Office, 1954. pp. 403-413.
9443. CORN INDUSTRIES RESEARCH FOUNDATION. Corn in industry; a handbook of information on: the nature of the corn kernel, the corn wet-milling process, the resulting products and their uses as food and in industry, the corn wet-milling industry's importance to American agriculture, the corn crop and the Corn Belt, together with a brief historical sketch on corn. New York, 1937. 55 p.
9444. CORN - KING OF CROPS; whatever influences this no. 1 crop affects virtually every American. Journal of Agricultural and Food Chemistry 4(5):402-409. May 1956.
Aparece en espanol bajo el titulo "El maiz como cultivarlo, como aprovecharlo" en: Hacienda 51(9):44-50, 57-59. Sept. 1956. Republica Dominicana.
Camaras Oficiales de Comercio, Agricultura e Industria. Boletin Informativo 14(125):13-16; (126):13-15. Abril, Mayo 1957. Campo (Cuba) 9(11):33-41. Nov. 1957.
9445. COWAN, J. C. Fiber from corn protein makes good textile blend. U. S. Department of Agriculture Research Achievement Sheet 176. 1955. 1 p.
9446. CROSTON, C. BRADFORD. A new fiber from corn kernels. In U. S. Department of Agriculture. Crops in peace and war, the yearbook of agriculture, 1950-1951. Washington, D. C., U. S. Government Printing Office, 1951. pp. 469-471.
9447. _____ & EVANS, CYRIL D. The industrial uses of corn protein. In U. S. Department of Agriculture. Crops in peace and war, the yearbook of agriculture, 1950-1951. Washington, D. C., U. S. Government Printing Office, 1951. pp. 607-610.
9448. DEATHERAGE, W. L. & OTHERS. A note on starch of high amylose content from corn with high starch content. Cereal Chemistry 31(1):50-52. Jan. 1954.

9449. De BAUFRE, WILLIAM L. The heating value of corn. American Society of Agronomy. Journal 15(1):1-6. Jan. 1923.
9450. DOXTATOR, C. W. Studies of quality in canning corn. American Society of Agronomy. Journal 29(9):735-753. Sept. 1937.
9451. EDGERLY, G. O. & BOYD, J. S. Lightweight concrete with corn cobs as a filler. Michigan Agricultural Experiment Station Quarterly Bulletin 33(1):5-9. Aug. 1950.
9452. EMERSON, OLIVER H., EMERSON, GLADYS A. & EVANS, HERBERT M. The occurrence of gamma tocopherol in corn embryo oil. Science (n. s.) 89(2304):183. Feb. 24, 1939.
9453. ERLANDER, STIG ROBERT. Biosynthesis and structures of corn starch. (Abstract of doctoral thesis) Iowa State College. Journal of Science 32(2):169-171. Nov. 15, 1957.
9454. HERNANDEZ CORZO, ANTONIO. Historia, usos e importancia del maiz. En Reunion Centroamericana sobre el Mejoramiento del Maiz, 1a, Turrialba, c. r., 1954. Proyecto Cooperativo Centroamericano. Turrialba, C. R., Instituto Interamericano de Ciencias Agricolas, 1954. pp. 35-45.
9455. HIGH AMYLOSE corn; possible industrial uses for linear amylose spur studies in growth and processing of new corn. Journal of Agricultural and Food Chemistry 6(9):641-642. Sept. 1958.
9456. JACOBSON, N. L. & OTHERS. New use for a corn by-product. Iowa Farm Science 4(7):16. Jan. 1950.
9457. JONES, PHILLIP E. & THOMASON, F. G. Competitive relationships between sugar and corn sweeteners. U. S. Department of Agriculture Agriculture Information Bulletin no. 48. 1951. 245 p.
9458. KENNEDY, H. E. & SPECK, M. L. Studies on corn steep liquor in the nutrition of certain lactic acid bacteria. Journal of Dairy Science 38(2):208-216. Feb. 1955.
Corn steep liquor contains a growth stimulant for certain bacteria used in the production of fermented dairy products.

9459. KIESSELBACH, T. A. Character, field performance, and commercial production of waxy corn. American Society of Agronomy. Journal 36(8):668-682. Aug. 1944.
9460. LATHROP, ELBERT C. Corncobs enter industry. In U. S. Department of Agriculture. Science in farming, the yearbook of agriculture, 1943-47. Washington, D. C., U. S. Government Printing Office, 1947. pp. 734-738.
9461. LEIGHTON, ALAN & WILLIAMS, OWEN E. Sweetening power of the corn sugars in ice cream. Journal of Dairy Science 26(12):1107-1110. Dec. 1943.
9462. LEWIS, FLOYD A. Multiples y esplendidas facetas del maiz. Hacienda 53(2):32-36. Feb. 1958.
9463. LINDLEY, GENE. Corn, raw material for industry. Indiana (Purdue) Agricultural Experiment Station. Report 1(3): 3-4. Autumn 1958.
9464. LUNA, JOSE T. Aspectos de la utilizacion del maiz. Argentina. Ministerio de Agricultura.Direccion de Agricultura. "Granos" 10(7-9):22-26. Julio-Sept. 1946.
9465. MAIZ. Revista de Agricultura (Republica Dominicana) 36(161): 32-33. Julio-Agosto 1945.
Productos de la planta del maiz, productos del granos de maiz.
9466. EL MAIZ y su utilidad en las industrias. Hacienda 38(10):456, 458. Oct. 1943.
9467. MARTIN, JOHN H. & JENKINS, MERLE T. New uses for waxy-cereal starches. In U. S. Department of Agriculture. Crops in peace and war, the yearbook of agriculture, 1950-1951. Washington, D. C., U. S. Government Printing Office, 1951. pp. 159-162.
9468. MIEGE, E. L'utilisation du maïs et du sorgho sucre comme plantes saccharifères et alcooligènes. Revue de Botanique Appliquée & d'Agriculture Tropicale 20(225):329-342; (226): 419-435; (227):483-496; (228-229):594-615. May, June, July, Aug.-Sept. 1940.

9469. NELSON, G. H., STRAKA, ROBERT P. & LEVINE, MAX. Effect of temperature of digestion, chemical composition, and size of particles on production of fuel gas from farm wastes. Journal of Agricultural Research 58(4):273-287. Feb. 15, 1939.
Cornstalks, pp. 281-282.
9470. NETO, BRASILIO MACHADO. Industrializacao do milho. Sociedade Rural Brasileira. Revista Rural 37(438):57. Oct. 1957.
9471. NEW USE for corn cobs found in soap making. What's New in Crops & Soils 1(6):24. Mar. 1949.
9472. NEW USES for maize. Queensland Agricultural Journal 55(2):91. Feb. 1941.
9473. NICKERSON, NORTON. Buried treasure in corn cobs. Massachusetts Agricultural Experiment Station Research in Review 4(2):10-12. June 1955.
9474. OGDEN, ROBERT L. There may be profit in corncobs. Nebraska Agricultural Experiment Station Quarterly 2(2):5. Fall 1953.
9475. PAPER FROM maize stalks. Great Britain. Imperial Institute. Bulletin 33(4):471-472. 1935.
9476. PENNY, N. M. & HARRINGTON, B. J. Corn meal milling in Georgia. Georgia Agricultural Experiment Station Bulletin 272. 1951. 39 p.
9477. PEREZ, G. R. El maiz y su utilidad en las industrias. Agricultor Venezolano 15(142):42-45. Mayo 1950.
9478. RIGOTARD, L. Sorgho et mais sures. Agronomie Coloniale 6(42):247-248. Juin 1921.
9479. SANCHEZ C., SALVADOR. Los productos industriales derivados del maiz. Comite Nacional del Cafe (Honduras). Boletin 4(27-28):96-101. Mar.-Abril 1950.
9480. SANCHEZ, WILLY. La cana de maiz y su valor. Revista de Agricultura (Costa Rica) 30(6):211-212. Junio 1958.

9481. SCALLET, BARRETT L. & EBLE, OTTO. Determination of dry substance in concentrated corn steep water. Cereal Chemistry 26(2):174-181. Mar. 1949.
9482. SCHNIEPP, L. E. Chemical from corncobs aids synthesis of antimalarial drugs. U. S. Department of Agriculture Research Achievement Sheet 147 (C). 1951. 1 p.
9483. SHEPHERD, GEOFFREY, DALTON, JOHN J. & BUCHANAN, J. H. The agricultural and industrial demand for corn. Iowa Agricultural Experiment Station Bulletin no. 335:249-295. 1935.
9484. _____ & OTHERS. Power alcohol from farm products: its chemistry, engineering and economics. Iowa Corn Research Institute. Contributions 1(3):283-375. 1940. Corn as an important raw material, pp. 345-363.
9485. SIEVERS, A. F. Comparison of corn oils obtained by expeller and benzol extraction methods. U. S. Department of Agriculture Bulletin no. 1054. 1922. 20 p.
9486. _____ The production and utilization of corn oil in the United States. U. S. Department of Agriculture Bulletin no. 904. 1920. 23 p.
9487. _____ & SHRADER, J. H. The preparation of an edible oil from crude corn oil. U. S. Department of Agriculture Bulletin no. 1010. 1922. 25 p.
9488. SILVEIRA, AMAURY H. DA. Industrializacao do milho. Sitios e Fazendas 18(1):60-62. Jan. 1952.
9489. SPRAGUE, GEORGE F. Industrial utilization. In Sprague, George F., ed. Corn and corn improvement. New York, Academic Press, 1955. pp. 613-636. (Agronomy, vol. 5)
9490. STALEY, A. E. MANUFACTURING COMPANY. El maiz en la industria. Hacienda 42(10):41-43, 74. Oct. 1947.
9491. STRAKA, ROBERT P. & NELSON, G. H. Effect of metal containers on the anaerobic fermentation of cornstalk flour by thermophiles. Journal of Agricultural Research 64(1):19-31. Jan. 1, 1942.
9492. SWEENEY, ORLAND R. & ARNOLD, LIONEL K. Cornstalks as an industrial raw material. Iowa Engineering Experiment Station Bulletin 98. 1930. 48 p. (Iowa College of Agriculture & Mechanic Arts Official Publication, vol. 29, no. 3.)

9493. SWEENEY, ORLAND R. & ARNOLD, LIONEL K. The production of paper from cornstalks. Iowa Engineering Experiment Station Bulletin 100. 1930. 78 p. (Iowa College of Agriculture & Mechanic Arts Official Publication, vol. 29, no. 15.)
9494. _____ & OTHERS. Experimental studies on the production of insulated board from cornstalks. Iowa Engineering Experiment Station Bulletin 102. 1931. 64 p. (Iowa College of Agriculture & Mechanic Arts Official Publication, vol. 30, no. 2.)
9495. TABLE SUGAR from corn stalks? not unlikely, says corn scientist. What's New in Crops & Soils 2(3):23. Dec. 1949.
9496. U. S. DEPARTMENT OF AGRICULTURE. PRODUCTION AND MARKETING ADMINISTRATION. Methods and costs of producing alcohol from grain by the fungal amylase process on a commercial scale. U. S. Department of Agriculture Technical Bulletin no. 1024. 1950. 38 p.
9497. VELASCO HERNANDEZ, ROBERTO. Diferencias en el rendimiento al beneficio industrial de las principales variedades de maiz venezolanas e influencia del contenido de humedad en los granos antes de proceder al beneficio, en el mismo rendimiento. Tesis sin publicar. Caracas, Venezuela, Universidad Central, Facultad de Ingenieria Agronomica, 1953. 21 p. (mimeografiado)
9498. VON LOESECKE, HARRY W. The chemist seeks one of three goals. In U. S. Department of Agriculture. Crops in peace and war, the yearbook of agriculture, 1950-1951. Washington, D. C., U. S. Government Printing Office, 1951. pp. 21-24. Industrial products of corn.
9499. WATSON, STANLEY A., HIRATA, YOSHIRO & WILLIAMS, CARL B. A study of the lactic acid fermentation in commercial corn steeping. Cereal Chemistry 32(5):382-394. Sept. 1955.
9500. WAXY MAIZE starch; new multimillion dollar grain industry fostered by nongelling cereal starch from misnamed corn variety. Journal of Agricultural and Food Chemistry 3(2):105-107. Feb. 1955.
9501. WEIHE, H. D. & PHILLIPS, MAX. Hemicelluloses of cornstalks. Journal of Agricultural Research 64(7):401-406. April 1, 1942.

9502. WHISTLER, ROY L. & OTHERS. Effect of drying on the presence of cavities in corn starch granules. Cereal Chemistry 35(5):331-336. Sept. 1958.
9503. WILLAMAN, J. J., BURR, G. O. & DAVISON, F. R. Cornstalk sirup investigations. Minnesota Agricultural Experiment Station Bulletin 207. 1924. 58 p.
9504. WINTON, A. L., BURNET, W. C. & BORNMANN, J. H. Composition of corn (maize) meal manufactured by different processes and the influence of composition on the keeping qualities. U. S. Department of Agriculture Bulletin no. 215. 1915. 31 p.
9505. WOLF, M. J. & OTHERS. Preparation and some properties of hemicelluloses from corn hulls. Cereal Chemistry 30(6): 451-470. Nov. 1953.
9506. WOODRUFF, SYBIL & HAYDEN, HENRIETTA. The effect of freezing on the physical and microscopic character of gels of corn and wheat starches. Journal of Agricultural Research 52(3): 233-237. Feb. 1, 1936.
9507. _____ & MACMASTERS, MAJEL M. Gelatinization and retrogradation changes in corn and wheat starches shown by photomicrographs. Illinois Agricultural Experiment Station Bulletin no. 445:1-43. 1938.
9508. YEPES Y., EMILIO A. La industrializacion del maiz en Colombia; una riqueza nacional que debe desarrollarse. Revista Nacional de Agricultura (Colombia) no. 617:15-22. Sept. 1956.
9509. YOERGER, ROGER RAYMOND. Application of the roller-crusher principle to processing corncobs. (Abstract of doctoral thesis) Iowa State College. Journal of Science 32(2): 289-290. Nov. 15, 1957.
9510. ZIPF, ROBERT L. Wet milling of cereal grains. In U. S. Department of Agriculture. Crops in peace and war, the yearbook of agriculture, 1950-1951. Washington, D. C., U. S. Government Printing Office, 1951. pp. 142-147. Describes process for extracting starch from corn.

ECONOMICS OF PRODUCTION
(ECONOMIA DE LA PRODUCCION)

9511. ANOTACIONES científicas y estadísticas acerca del maiz; algunas preguntas sobre este grano. Revista de Agricultura, Comercio e Industria (Panama) 6(69):41-45. Mayo 1947.
9512. ARNOLD, C. R. The effect of the corn borer on farm organization in the Corn Belt. Journal of Farm Economics 10(2):197-210. April 1928.
9513. BAKER, O. E. & GENUNG, A. B. A graphic summary of farm crops (based largely on the census of 1930 and 1935). U. S. Department of Agriculture Miscellaneous Publication no. 267. 1938. 129 p.
9514. BERCAW, LOUISE O., HANNAY, ANNIE M. & LARSON, NELLIE G., COMPS. Corn in the development of the civilization of the Americas; a selected and annotated bibliography. Washington, D. C., U. S. Department of Agriculture, Bureau of Agricultural Economics, 1940. 195 p. (Agricultural Economics Bibliography no. 87)
9515. BERESFORD, REX. Corn ... key to cattle feeding picture. Iowa Farm Economist 11(8):15. Aug. 1945.
9516. BESLEY, H. J. & BASTON, G. H. Acidity as a factor in determining the degree of soundness of corn. U. S. Department of Agriculture Bulletin no. 102. 1914. 45 p.
9517. BILLARD, JUAN JOSE & OTROS. Analisis economico de los sistemas de recoleccion del maiz; la junta mecanica. Argentina.Direccion General de Fomento Agricola. Boletin 4(33):2-44. Mar. 1952.
9518. BLANCO MACIAS, GONZALO. La gravedad de las crisis del maiz. Vida Rural (Mexico) 1(9):22-23. Oct. 1958.
9519. BLOSSER, R. H. Several factors determine whether you can quit raising corn. Ohio Farm and Home Research 43(312):38. May-June 1958.

9520. BOERNER, E. G. The conversion of the weights of mechanical separations of corn, wheat, and other grains into percentages. U. S. Department of Agriculture Bulletin no. 574. 1917. 22 p.
9521. _____ Factors influencing the carrying qualities of American export corn. U. S. Department of Agriculture Bulletin no. 764. 1919. 99 p.
9522. BONDURANT, JOHN H. & VICE, KEITH R. Profitable factors for corn production in Kentucky; costs and returns by different methods and practices. Kentucky Agricultural Experiment Station Bulletin 565. 1951. 26 p.
9523. BOOKHOUT, B. R. & VARY, KARL. Costs and methods of harvesting corn silage. Michigan Agricultural Experiment Station Quarterly Bulletin 33(1):22-27. Aug. 1950.
9524. BRATTON, C. A. An economist's view of rice and corn improvement. Philippine Agriculturist 37(1-2):1-8. June-July 1953.
9525. BRINDLEY, TOM A. The European corn borer as a farm problem. American Society of Farm Managers and Rural Appraisers. Journal 19(2):6-10. Oct. 1955.
9526. BRODELL, ALBERT P. & KUZELKA, THOMAS J. Harvesting the silage crops. U. S. Department of Agriculture Statistical Bulletin no. 128. 1953. 23 p.
9527. _____ & KUZELKA, THOMAS J. Our silage crops and how they're harvested. U. S. Agricultural Marketing Service. Agricultural Situation 37(8):11-12. Aug. 1953.
9528. BROWN, WILLIAM G. & OTHERS. Production functions, isoquants, isoclines and economic optima in corn fertilization for experiments with two and three variable nutrients. Iowa Agricultural Experiment Station Research Bulletin no. 441: 807-832. 1956.
9529. BURNS, E. O. The changing market for maize. Queensland Agricultural Journal 79(5):280-284. Nov. 1954.
9530. CASE, H. C. M., WILCOX, R. H. & BERG, H. A. Organizing the corn-belt farm for profitable production. Illinois Agricultural Experiment Station Bulletin no. 329:257-313, rev. 1934.

9531. CLARK, CHARLES C., COMP. Corn crops of the United States, 1866-1906. U. S. Department of Agriculture. Bureau of Statistics Bulletin 56. 1907. 37 p.
9532. CLOUGH, MALCOLM. Changes in corn acreage and production after the early indications. U. S. Agricultural Marketing Service. Agricultural Economics Research 3(4):140-146. Oct. 1951.
9533. _____ Relation between corn and wheat futures. Journal of Farm Economics 21(2):500-502. May 1939.
9534. _____ & BROWNING, JAMES W. Feed grains. In U. S. Department of Agriculture. Marketing, the yearbook of agriculture, 1954. Washington, D. C., U. S. Government Printing Office, 1954. pp. 403-413.
9535. COLLIER, G. A. Grain production and marketing. U. S. Department of Agriculture Miscellaneous Publication no. 692. 1949. 78 p.
9536. COLVIN, ESTHER M. & CLOUGH, MALCOLM. Other ways to get more corn and livestock food production. U. S. Agricultural Marketing Service. Agricultural Situation 35(9):2-3. Sept. 1951.
9537. CONRAD, HALLY H. World corn production and trade. U. S. Department of Agriculture Foreign Agriculture Report no. 5. 1942. 49 p.
9538. CONSULTAS sobre disposicion de excedentes de maiz: antecedentes del problema. Washington, D. C., Union Panamericana, Informaciones Economicas 3(7):16-23. Julio 1958.
9539. CRICKMAN, C. W. Hog, corn trends a warning. U. S. Agricultural Marketing Service. Agricultural Situation 34(5):5-6. May 1950.
9540. COX, GERTRUDE M. & SNEDECOR, GEORGE W. Covariance used to analyze the relation between corn yield and acreage. Journal of Farm Economics 18(3):597-607. Aug. 1936.
9541. COX, REX W. Factors influencing corn prices. Minnesota Agricultural Experiment Station Technical Bulletin 81. 1931. 36 p.

9542. CUNNINGHAM, L. C. & FIFE, L. S. Analysis of forage harvesting patterns on New York dairy farms. New York (Cornell) Agricultural Experiment Station Bulletin 917. 1955. 23 p.
9543. DACHTLER, WILLIAM C. & OTHERS. Costs of storing reserve stocks of corn in country elevators, at bin sites, and on farms. U. S. Department of Agriculture Marketing Research Report no. 93. 1955. 60 p.
9544. DAVIDSON, J. BROWNLEE. Labor efficiency and power economy in corn production. Agricultural Engineering 20(5):183-186. May 1939.
9545. _____, SHEDD, C. K. & COLLINS, E. V. Labor duty in the harvesting of ensilage. Agricultural Engineering 24(9): 293-294. Sept. 1943.
9546. DAVIS, V. W., VAN ARSDALL, R. N. & WILLS, J. E. Management and costs of field-shelling and artificial drying of corn in Illinois. Illinois Agricultural Experiment Station Bulletin 638. 1959. 72 p.
9547. DESMIREANU, V. Maize world area and production in 1941-42. International Review of Agriculture. Monthly Crop Report and Agricultural Statistics 33(5):146S-157S. 1942.
9548. De VAULT, S. H. & WALKER, WILLIAM PAUL. An economic study of the production of sweet corn and peas in Maryland. Maryland Agricultural Experiment Station Bulletin no. 305:239-329. 1929.
9549. DIAZ ROSETE, ALVARO. Cultivo del maiz, aspecto economico. Agrotecnia (Cuba) 5:50-52. Julio-Agosto 1951.
9550. DOLL, JOHN P., HEADY, EARL O. & PESEK, JOHN T. Fertilizer production functions for corn and oats; including an analysis of irrigated and residual response. Iowa Agricultural and Home Economics Experiment Station Research Bulletin no. 463: 363-394. 1958.
9551. DOWELL, A. A. & JESNESS, O. B. Economic aspects of hybrid corn. Journal of Farm Economics 21(2):479-488. May 1939.
9552. DUDLEY, R. F. Mechanical picker reduces cost of harvesting corn. Mississippi Agricultural Experiment Station Farm Research 11(2):8. Feb. 1948.

9553. DUVEL, J. W. T. Grades for commercial corn. U. S. Department of Agriculture Bulletin no. 168. 1915. 11 p.
9554. _____ & DUVAL, LAUREL. The shrinkage of shelled corn while in cars in transit. U. S. Department of Agriculture Bulletin no. 48. 1913. 21 p.
9555. EVERETT, BERNARD A. & BENEKE, RAYMOND R. What does it cost to dry corn? Iowa Agricultural Experiment Station Farm Science 11(3):3-6. Sept. 1956.
9556. FALCONER, J. I. & DOWLER, J. F. Variations in costs of producing corn, wheat, and other crops in Greene County, Ohio. Ohio Agricultural Experiment Station Bulletin no. 396:229-284. 1926.
9557. FISCHER, GUSTAVO J. Economia de la experimentacion maicera. En Argentina. Centro Regional Pampeano de Investigaciones Agropecuarias. Memoria de la Quinta Reunion de Maiz, 27 y 28 de julio de 1950 en la Estacion Experimental Pergamino. Pergamino, 1950. pp. 169-180, 182, 184, 186, 188, 190.
9558. FLUCTUATIONS in crops and weather, 1866-1948. U. S. Department of Agriculture Statistical Bulletin no. 101. 1951. 183 p.
9559. FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Yearbook of food and agricultural statistics ... Washington, D. C. Library has the yearbooks for the years: 1948 to 1957, inclusive.
9560. FOOTE, RICHARD J., KLEIN, JOHN W. & CLOUGH, MALCOLM. The demand and price structure for corn and total feed concentrates. U. S. Department of Agriculture Technical Bulletin no. 1061. 1952. 79 p.
9561. FUHRIMAN, WALTER U. & THOMAS, W. PRESTON. Business analysis of farms in Utah County, Utah. Utah Agricultural Experiment Station Bulletin 289. 1939. 72 p.
9562. GODDARD, L. H. & ELSER, W. L. Labor cost of producing corn in Ohio. Ohio Agricultural Experiment Station Bulletin no. 266:81-124. 1914.

9563. GOODSELL, WYLIE D. Cost and utilization of power and labor on Iowa farms. Iowa Agricultural Experiment Station Research Bulletin no. 258: 318-363. 1939.
9564. GRIMES, W. E. & OTHERS. A study of farm organization in central Kansas. U. S. Department of Agriculture Department Bulletin no. 1296. 1925. 75 p.
9565. HADORN, ERWIN T. Forecasting the price of corn on the basis of current crop reports. Missouri Agricultural Experiment Station Research Bulletin 431. 1949. 31 p.
9566. HAMILTON, A. B. & JOHNSON, T. D. Types of farming in Maryland. Maryland Agricultural Experiment Station Bulletin no. 432: 217-271. 1940.
9567. HANSEN, H. V. Time and labor-saving possibilities of a high-speed drill planter. Agricultural Engineering 25(10): 387, 392. Oct. 1944.
9568. HART, W. J. The manufacture and distribution of tomatoes, sweet corn and peas in Maryland. Maryland Agricultural Experiment Station Bulletin no. 301: 61-145. 1928.
9569. HAYS, WILLET M. & PARKER, EDWARD C. The cost of producing farm products. Minnesota Agricultural Experiment Station Bulletin no. 97. 1906. 90 p. Corn, pp. 41-43, 46, 47.
9570. HEADY, EARL O. & JENSEN, HARALD R. The economics of crop rotations and land use; a fundamental study in efficiency with emphasis on economic balance of forage crops and grain crops. Iowa Agricultural Experiment Station Research Bulletin no. 383: 417-459. 1951.
9571. _____ & OLSON, RUSSELL O. Substitution relationships, resource requirements and income variability in the utilization of forage crops. Iowa Agricultural Experiment Station Research Bulletin no. 390: 861-938. 1952.
9572. _____, JENSEN, HARALD & ANDERSON, MARVIN. How to choose the most profitable crop rotation for your farm. Iowa Farm Science 6(12): 3-7. June 1952.

9573. HEADY, EARL O., PESEK, JOHN T. & BROWN, WILLIAM G. Crop response surface and economic optima in fertilizer use. Iowa Agricultural Experiment Station Research Bulletin no. 424: 290-332. 1955.
9574. _____ & OTHERS. New procedures in estimating feed substitution rates and in determining economic efficiency in pork production. II. Replacement rates of corn and soybean oilmeal in fortified rations for growing-fattening swine on pasture. Iowa Agricultural and Home Economics Experiment Station Research Bulletin no. 462: 343-360. 1958.
9575. HECHT, REUBEN W. & RICE, KEITH R. Labor used for field crops. U. S. Department of Agriculture Statistical Bulletin no. 144. 1954. 45 p.
9576. HELM, C. A. Land management in corn production. Missouri Agricultural Experiment Station Circular 251. 1943. 4 p.
9577. HENDERSON, PHILIP A. An economic study of farming in Tompkins County, New York, 1937. New York (Cornell) Agricultural Experiment Station Bulletin 728. 1940. 65 p.
9578. HERNANDEZ CORZO, ANTONIO. Historia, usos e importancia del maiz. En Reunion Centroamericana sobre el Mejoramiento del Maiz, 1a, Turrialba, C. R., 1954. Proyecto Cooperativo Centroamericano. Turrialba, C. R., Instituto Interamericano de Ciencias Agricolas, 1954. pp. 35-45.
9579. HILL, E. B., GUNN, R. V. & COLLIER, GEORGE W. A farm management study in the corn borer area; changes in farming practice and farm organization in southeastern Michigan due to the European corn borer. Michigan Agricultural Experiment Station Quarterly Bulletin 10(2):41-45. Nov. 1927.
9580. HINRICHES, A. F. An economic analysis of local grain elevators in Indiana. Indiana (Purdue) Agricultural Experiment Station Bulletin no. 403. 1935. 32 p.
9581. HOFFER, CHARLES R. & STANGLAND, DALE. Farmers' attitudes and values in relation to adoption of approved practices in corn growing. Rural Sociology 23(2):112-120. June 1958.

9582. HOFFMAN, G. WRIGHT. Trading in corn futures. U. S. Department of Agriculture Technical Bulletin no. 199. 1930. 81 p.
9583. HOGLUND, C. R. Economics of irrigating corn. Michigan Agricultural Experiment Station Quarterly Bulletin 40(3):669-678. Feb. 1958.
9584. HOPKINS, JOHN A. The crop system in Iowa County. Iowa Agricultural Experiment Station Bulletin no. 261:277-316. 1929.
9585. _____ Prospects for agricultural recovery. III. Estimating advantages of the corn-hog plan to the individual farm. Iowa Agricultural Experiment Station Bulletin no. 312:33-64. 1934.
9586. HUELSEN, W. A. Growers contracts for sweet corn; an analysis of different types of cannery contracts and the relation of maturity to yields and quality. Illinois Agricultural Experiment Station Circular 472. 1937. 16 p.
9587. HUGHES, H. D. The future of corn production. In Iowa State College. Symposia commemorating six decades of the modern era in botanical science, November 15 and 16, 1934. Ames, 1935. pp. 345-346. (Reprinted from Iowa State College. Journal of Science, vol. 9, 1935).
9588. HURD, EDGAR B. The corn enterprise in Iowa. Iowa Agricultural Experiment Station Bulletin no. 259:225-256. 1929.
9589. _____ Cropping systems in Iowa, past and present. Iowa Agricultural Experiment Station Bulletin no. 268:133-163. 1930.
9590. HUTSON, J. B., FINN, W. G. & GALLOWAY, Z. L. An economic study of crops and livestock in the Purchase Region of Kentucky. Kentucky Agricultural Experiment Station Bulletin no. 289:307-433. 1928. Corn, pp. 325-334.
9591. INGERSOLL, C. L. & PERIN, S. W. Cost of farm crops. Nebraska Agricultural Experiment Station Bulletin no. 29:35-42. 1893.

9592. JOHNSON, D. GALE. High level support prices and Corn Belt agriculture. *Journal of Farm Economics* 31(3):509-519. Aug. 1949.
9593. JOHNSON, NEIL W. & BARNES, C. P. Planning farm returns. In U. S. Department of Agriculture. *Science in farming, the yearbook of agriculture, 1943-47.* Washington, D. C., U. S. Government Printing Office, 1947. pp. 905-910.
9594. JOHNSTON, P. E. & MYERS, K. H. Harvesting the corn crop in Illinois; an economic study of methods and relative costs. *Illinois Agricultural Experiment Station Bulletin no. 373:* 353-405. 1931.
9595. KALDOR, DONALD R. What will corn acreage allotments mean? *Iowa Farm Science* 8(10):28-30. April 1954.
9596. KEEPPER, W. E. & DUM, S. A. Costs and labor in harvesting corn grain and stover. *Pennsylvania Agricultural Experiment Station Bulletin 496.* 1948. 34 p.
9597. KENT, D. A. Crop report of the Farm Department. *Iowa Agricultural Experiment Station Bulletin no. 16:* 303-308. 1892.
9598. KLINE, R. G. & CRAVENS, M. E. Grower-processor agreements in the sweet corn for processing industry in the North Central States. *Ohio Agricultural Experiment Station Research Bulletin 806.* 1958. 47 p. (North Central Regional Publication no. 85)
9599. KROSS, JOHN I. Grower-canner contracts in Wisconsin (corn, bean and beet). *Wisconsin Agricultural Experiment Station Bulletin 482.* 1949. 24 p.
9600. LADD, C. E. Cost accounts on some New York farms. *New York (Cornell) Agricultural Experiment Station Bulletin no. 377:* 769-815. 1916.
9601. LARGEST CORN supply in history. *Iowa Farm Economist* 7(7):3. July 1941.

9602. LEHMANN, E. W. & KINGSLEY, F. C. Electric power for the farm. Illinois Agricultural Experiment Station Bulletin no. 332:373-479. 1929.
9603. LEIGHTY, C. E. & OTHERS. The corn crop. In U. S. Department of Agriculture. The yearbook of agriculture, 1921. Washington, D. C., U. S. Government Printing Office, 1921. pp. 161-226.
9604. LEME, HUGO DE ALMEIDA. Estudio comparativo de semeadura e cultivo manual, mecanizado e motomecanizado do milho. Revista de Agricultura (Brasil) 31(4):249-276. Dez. 1956.
9605. LORIE, J. H. Interrelationships of supplies, various uses, and prices of corn and oats. New York (Cornell) Agricultural Experiment Station Memoir 284. 1949. 46 p.
9606. LUKE, GEORGE W. Marketing sweet corn in New Jersey and the Northeast. New Jersey Agricultural Experiment Station Bulletin 788. 1957. 21 p.
9607. McCALLAN, S. E. A. Outstanding diseases of agricultural crops and uses of fungicides in the United States. Boyce Thompson Institute. Contributions 14(3):105-115. April 1946.
9608. McCUALEY, ROBERT S. Corn acres planted with hybrid seed now up to 92.5%. U. S. Agricultural Marketing Service. Agricultural Situation 41(8):11. Aug. 1957.
9609. MACY, L. K. Growing corn with less labor. Iowa Farm Economist 4(4):15-16. Oct. 1938.
9610. MALONE, CARL. Stretching the corn crop. Iowa Farm Economist 8(10):8. Oct. 1942.
9611. MEEKER, BRICE K. & BOTTUM, J. CARROL. Effect of corn price supports at various levels. Indiana (Purdue) Agricultural Experiment Station Circular 377. 1951. 15 p.
9612. MERCHANT, CHARLES H. Prices on farm products in Maine. Maine Agricultural Experiment Station Bulletin 364. 1933. 179 p. Corn, pp. 71-79.

9613. MINNEMAN, P. G. Corn borer affects farm management; modifications in farm business methods as a result of the infestation are to be studied in southeastern counties. Michigan Agricultural Experiment Station Quarterly Bulletin 12(4):152-155. May 1930.
9614. _____ & HILL, E. B. Organization of farms in southeastern Michigan. Michigan Agricultural Experiment Station Special Bulletin no. 254. 1934. 51 p.
9615. MINNS, EDWARD R. Further experiments on the economic value of root crops for New York. New York (Cornell) Agricultural Experiment Station Bulletin no. 317:545-566. 1912.
9616. MONTGOMERY, CARY W. Factors affecting labor and miscellaneous costs of producing crops; comparison of figures secured at County Experiment Farms. Ohio Agricultural Experiment Station Monthly Bulletin 5(5):154-158. May 1920.
9617. MORE CORN to the acre. U. S. Department of Agriculture Agricultural Research 1(2):5-6. Mar.-April 1953.
9618. MORISON, F. L. Relative cost of hay-crop silage and corn silage. Ohio Agricultural Experiment Station Bimonthly Bulletin 25(205):122-123. July-Aug. 1940.
9619. _____ Variations in crop production costs in Medina County, Ohio. Ohio Agricultural Experiment Station Bulletin 453. 1930. 52 p.
Corn, pp. 8-22.
9620. MORROW, G. E. Weight of ear corn per bushel of shelled corn. Illinois Agricultural Experiment Station Bulletin no. 13:450-451. 1891.
9621. MOSHER, M. L. & CASE, H. C. M. Farm practices and their effects on farm earnings. Illinois Agricultural Experiment Station Bulletin no. 444:470-604. 1938.
9622. MOTTS, G. N. The production-consumption balance of agricultural products in Michigan. III. Field crops. Michigan Agricultural Experiment Station Special Bulletin no. 278. 1936. 30 p.

9623. MYERS, KENNETH H. Adjusting Corn Belt farming to meet corn-borer conditions. U. S. Department of Agriculture Farmers' Bulletin no. 1681. 1932. 26 p.
9624. NEVENS, W. B. & OTHERS. The ear and leaf-stalk contents of corn forage as factors in silage evaluation. Journal of Dairy Science 37(9):1088-1093. Sept. 1954.
9625. _____ & OTHERS. A method for estimating the money value of corn silage. Illinois Agricultural Experiment Station Bulletin 576. 1954. 16 p.
9626. NICHOLLS, W. D., BONDURANT, JOHN H. & GALLOWAY, Z. L. Family incomes and land utilization in Knox County. Kentucky Agricultural Experiment Station Bulletin no. 375:155-219. 1937.
9627. NORTON, L. J. & STEWART, C. L. Seasonal features of Illinois grain marketing. Illinois Agricultural Experiment Station Bulletin no. 324:1-46. 1929.
9628. OXFORD ECONOMIC atlas of the world. London, Oxford University Press, 1954. 152 p.
Corn, pp. 18, 21 (see also tables on pp. 3-146 for production, imports & exports by country).
9629. PAARLBERG, DON. Seasonal variations of Indiana farm prices. Indiana (Purdue) Agricultural Experiment Station Bulletin 566. 1951. 32 p.
9630. PAULSEN, ARNOLD, HEADY, EARLY O. & BAUMANN, R. V. What can corn allotments and soil banks do? Iowa Farm Science 12(2):6-9. Aug. 1957.
9631. PETERSON, ARTHUR G. Historical study of prices received by producers of farm products in Virginia, 1801-1927. Virginia Agricultural Experiment Station Technical Bulletin 37. 1929. 218 p.
9632. POND, GEORGE A. How do farmers respond to the corn allotment program? Minnesota Farm and Home Science 12(2):9, 13. Feb. 1955.

9633. PUGSLEY, C. W. Cost of growing crops in Nebraska.
Nebraska Agricultural Experiment Station Bulletin
no. 122. 1911. 12 p.
9634. RAFLER, DORIS D. & OTHERS. United Kingdom market for
United States agricultural products. U. S.
Department of Agriculture Agriculture Information
Bulletin no. 104. 1953. 73 p.
9635. RENOM, JORGE A. Es necesario introducir metodos de trabajo
mas economicos; la cosechadora de maiz a mano es lenta
y costosa, las maquinas de recoleccion del maiz tienen
ventajas comprobadas. Campo y Arado (Argentina)
4(33):16-17, 41. Oct. 1948.
9636. REPORT ON the area of corn, potatoes, and tobacco, and
condition of growing crops, and on freight rates of
transportation companies. U. S. Department of Agri-
culture. Report of the Statistician no. 64:237-276.
1889.
9637. REPORT ON distribution and consumption of corn and wheat,
and on freight rates of transportation companies.
U. S. Department of Agriculture. Report of the
Statistician no. 82:59-104. (n. s.) 1891.
9638. REVIEW OF the 1956-57 world corn crop. U. S. Department
of Agriculture Foreign Crops and Markets, April 1957.
pp. 22-26.
9639. REYNODSON, L. A. & OTHERS. Utilization and cost of power
on Corn Belt farms. U. S. Department of Agriculture
Technical Bulletin no. 384. 1933. 60 p.
9640. RICKY, LACEY F. Costs of storing corn on the farm.
Illinois Agricultural Experiment Station Bulletin
no. 295:1-16. 1927.
9641. ROBBINS, PAUL R. What does it cost to raise corn? Plant
Food Review 4(2-3):15-18. 1958.
9642. ROBERTSON, LYNN & BONHAM, E. R. Variation in local marketing
procedure for grain, hay, livestock and feed in north-
western Indiana. Indiana (Purdue) Agricultural Experi-
ment Station Bulletin 364. 1932. 20 p.

9643. ROUSE, W. L. & BYERS, GEORGE B. Production requirements for crops and livestock in the bluegrass region of Kentucky. Kentucky Agricultural Experiment Station Bulletin no. 383:125-223. 1938.
9644. SARLE, CHARLES F. Corn-hog production-control program follows emergency purchases. In U. S. Department of Agriculture. What's new in agriculture, the year-book of agriculture, 1934. Washington, D. C., U. S. Government Printing Office, 1934. pp. 162-166.
9645. SCHRUMPF, W. E. & PULLEN, W. E. Costs and returns in sweet corn production, Central Maine, 1955. Maine Agricultural Experiment Station Bulletin 550. 1956. 23 p.
9646. SCHUMAIER, C. P. Marketing southern Illinois corn, wheat, and soybeans; a report of research. Illinois Agricultural Experiment Station Bulletin 595. 1955. 23 p.
9647. SCOTT, R. C. & HARDENBURG, R. E. Better sweet corn for the consumer. New York Farm Research 15(3):6. July 1949.
9648. 7 QUESTIONS TO ask when you buy or sell shelled corn by grade. U. S. Department of Agriculture Extension Service Leaflet no. 318. 1952. (folded leaflet)
9649. SHAWL, R. I. Farm machinery, its purchase, care, operation and adjustment. Illinois Agricultural Experiment Station Circular 309, rev. 1941. 56 p.
9650. SHEDD, CLAUDE K. Five ways to save labor and power in producing corn. Agricultural Engineering 24(2):52. Feb. 1943.
9651. _____, COLLINS, EDGAR V. & DAVIDSON, J. BROWNLEE. Labor, power and machinery in corn production. Iowa Agricultural Experiment Station Bulletin no. 365:187-222. 1937.
9652. _____, DAVIDSON, J. B. & COLLINS, E. V. Machinery for growing corn. U. S. Department of Agriculture Circular no. 592. 1940. 30 p.

9653. SHEPHERD, GEOFFREY. Annual fluctuations in the price of corn. Iowa Agricultural Experiment Station Research Bulletin no. 164:281-316. 1933.
9654. _____ Controlling corn and hog supplies and prices. U. S. Department of Agriculture Technical Bulletin no. 826. 1942. 82 p.
9655. _____ The coordination of wheat and corn price controls. Iowa Agricultural Experiment Station Research Bulletin no. 330:341-372. 1944.
9656. _____ Corn price ceilings. Iowa Farm Economist 9(8):10, 12. Aug. 1943.
9657. _____ Do we want rigid or flexible corn loan rates? Iowa Farm Science 8(8):9-11. Feb. 1954.
9658. _____ Is corn production leaving the Corn Belt? Iowa Farm Science 13(3):12-13. Sept. 1958.
9659. _____ Future demand for corn. Iowa Farm Economist 1(4):3-4. Oct. 1935.
9660. _____ How much corn should we store? Iowa Farm Science 4(4):6-7. Oct. 1949.
9661. _____ How the new corn loan is working. Iowa Farm Economist 8(4):15-16. April 1942.
9662. _____ The secular movement of corn prices. Iowa Agricultural Experiment Station Research Bulletin no. 140:177-223. 1931.
9663. _____ The trend of corn prices. Iowa Agricultural Experiment Station Bulletin no. 284:313-328. 1931.
9664. _____ When shall we sell our corn? Iowa Agricultural Experiment Station Circular no. 113. 1929. 23 p.
9665. _____ When does it pay to store grain? Iowa Farm Science 9(2):23-26. Aug. 1954.
9666. _____ & JOSLIN, KENNETH. A different base for corn price supports? Iowa Farm Science 13(4):3-4. Oct. 1958.

9667. SHEPHERD, GEOGGREY & PETERSON, DAVID G. The proper size and location of corn stabilization stocks. Iowa Agricultural Experiment Station Research Bulletin no. 321:1-24. 1943.
9668. _____ & RICHARDS, ALLEN B. Does the loan and storage program support corn prices? Iowa Farm Science 13(5):5-6. Nov. 1958.
9669. _____ & RICHARDS, ALLEN B. Effects of the federal programs for corn and other grains on corn prices, feed grains production and livestock production. Iowa Agricultural & Home Economics Experiment Station Research Bulletin no. 459:264-291. 1958. (North Central Regional Publication no. 89).
9670. _____ & RICHARDS, ALLEN B. Effects of the USDA corn storage program on corn carryover, stocks and corn utilization. Iowa Agricultural Experiment Station Research Bulletin 446:962-986. 1957.
9671. _____ & WILCOX, WALTER W. Stabilizing corn supplies by storage. Iowa Agricultural Experiment Station Bulletin no. 368:293-344. 1937.
9672. SHOWALTER, R. K. Economy of marketing and methods of handling sweet corn for long distance shipments. Florida Agricultural Experiment Station. Annual report, 1957. pp. 97-98.
9673. SITTERLEY, J. H. & FALCONER, J. I. The farm business from 1929 to 1935 on one hundred forty-one Ohio farms. Ohio Agricultural Experiment Station Bulletin 587. 1937. 22 p.
9674. SMITH, R. K. How would you estimate corn or wheat crops? U. S. Agricultural Marketing Service. Agricultural Situation 40(4):1-2. April 1956.
9675. SMYTHE, L. T. & HOGLUND, C. R. Feed-grain price relationships in South Dakota. South Dakota Agricultural Experiment Station Bulletin 367. 1943. 19 p.
9676. SNODGRASS, MILTON M. & HARDIN, LOWELL S. An economic analysis of drying wheat and corn on Indiana farms. Indiana (Purdue) Agricultural Experiment Station Bulletin 630. 1955. 19 p.

9677. STEMBERGER, ANTHONY P. Economic implications of using alternative production functions for expressing corn-nitrogen production relationships. North Carolina Agricultural Experiment Station Technical Bulletin no. 126. 1957. 32 p.
9678. STEWART, BLAIR. An analysis of speculative trading in grain futures. U. S. Department of Agriculture Technical Bulletin no. 1001. 1949. 134 p.
9679. STEWART, C. L., NORTON, L. J. & RICKEY, L. F. Market destinations of Illinois grain. Illinois Agricultural Experiment Station Bulletin no. 315:61-115. 1928.
9680. STOKES, DONALD R. Marketing margins and costs for grains, grain products, and dry edible beans. U. S. Department of Agriculture Technical Bulletin no. 934. 1947. 90 p.
9681. STROWBRIDGE, J. W. Farm and terminal market prices: wheat, corn, and oats, crop movement year 1920-21. U. S. Department of Agriculture Bulletin no. 1083. 1922. 58 p.
9682. TAPP, JESSE W. Corn borer makes changes necessary in farm methods. In U. S. Department of Agriculture. What's new in agriculture, the yearbook of agriculture, 1927. Washington, D. C., U. S. Government Printing Office, 1927. pp. 207-210.
9683. _____, COLLIER, GEORGE W. & ARNOLD, C. R. Farm practices under corn-borer conditions. U. S. Department of Agriculture Farmers' Bulletin no. 1562. 1928. 21 p.
9684. THOMAS, H. L. & HOPKINS, JOHN A. Costs and utilization of corn in seven Iowa counties. Iowa Agricultural Experiment Station Bulletin no. 289:1-32. 1932.
9685. THOMPSON, MARSHALL A. Hybrid corn moves southeast ... still room for expansion. U. S. Agricultural Marketing Service. Agricultural Situation 35(8):2. Aug. 1951.
9686. THORNE, C. E. The cost of crop production in Ohio. Ohio Agricultural Experiment Station Monthly Bulletin 3(11):337-348. Nov. 1918.

9687. THORNE, C. E. The high cost of low crop yields; intensive cultivation most profitable on average farms. Ohio Agricultural Experiment Station Monthly Bulletin 2(6): 181-187. June 1917.
9688. TOLLEY, H. R. & CHURCH, L. M. The standard day's work in Central Illinois; performance of implements and crews as indicated by reports from 600 farms in a typical corn-belt area. U. S. Department of Agriculture Bulletin no. 814. 1920. 32 p.
9689. _____, BLACK, J. D. & EZEKIEL, M. J. B. Input as related to output in farm organization and cost-of-production studies. U. S. Department of Agriculture Department Bulletin no. 1277. 1924. 44 p.
9690. TRACTOR equipment cuts cost and labor used to grow corn. What's New in Crops & Soils 4(6):32. Mar. 1952.
9691. TRAMEL, THOMAS E. & PARVIN, DAVID W. Labor, power, equipment requirements, and equipment costs for harvesting feed and forage. Mississippi Agricultural Experiment Station Bulletin 547. 1956. 21 p.
9692. UNITED STATES DEPARTMENT OF AGRICULTURE. Agricultural statistics ... Washington, D. C., Government Printing Office, ...
Library has 1936-1951 inclusive, 1953, 1954, 1956, 1957, 1958.
9693. _____ Statistics ... In its yearbooks, 1895, 1908, 1910, 1911, 1916, 1918, 1919, 1920, 1921, 1922, 1923, 1924, 1925, 1926, 1927, 1928, 1929, 1930, 1931, 1932, 1933, 1934, 1935, 1936. Washington, D. C., U. S. Government Printing Office, 1895-1936.
9694. _____ AGRICULTURAL MARKETING SERVICE. United States crop summary as of September 1, 1955; corn production estimate drops about 10 percent from Aug. 1, forecast. Washington, D. C., Crop Production, 1955. 55 p.
9695. _____ BUREAU OF AGRICULTURAL ECONOMICS. A graphic summary of farm crops. (Based largely on the census of 1940). U. S. Department of Agriculture Miscellaneous Publication no. 512. 1943. 104 p.

9696. UNITED STATES DEPARTMENT OF AGRICULTURE. COMMODITY EXCHANGE ADMINISTRATION. Corn futures; volume of trading, open contracts, and prices from January 2, 1936 to December 30, 1939. U. S. Department of Agriculture Statistical Bulletin no. 74. 1941. 151 p.
9697. FOREIGN AGRICULTURAL SERVICE. World corn production in 1957-58. World summaries: crop and live-stock. Foreign Crops & Markets, June 1958.
9698. VAN DERSAL, WILLIAM R. The perplexing case of Indian corn. Soil Conservation 7(2):46-51. Aug. 1941.
9699. VAN ROYEN, WILLIAM. The agricultural resources of the world. New York, Prentice-Hall, 1954. Corn, pp. 52-64.
9700. VEGETABLES FOR commercial processing; usual planting and harvesting dates and principal producing counties: by states. U. S. Department of Agriculture Agriculture Handbook no. 85. 1955. 51 p. Sweet corn, pp. 23-28.
9701. WHAT DOES it cost to grow corn? What's New in Crops & Soils 10(6):12-13. Mar. 1938.
9702. WILCOX, R. H. & CASE, H. C. M. Twenty-five years of Illinois crop costs, 1913-1937. Illinois Agricultural Experiment Station Bulletin no. 467:357-455. 1940.
9703. WILCOX, WALTER W. Keeping the corn granary normal. Iowa Farm Economist 4(4):3-4. Oct. 1938.
9704. WILSON, WALTER T. & BRYAN, STUART L. Index numbers of prices received for Arkansas farm products, 1910-1937. Arkansas Agricultural Experiment Station Bulletin no. 363. 1938. 46 p.
9705. WINTER, J. D., NYLUND, R. E. & COX, R. W. Marketing fresh sweet corn in the Midwest. Minnesota Agricultural Experiment Station Bulletin 427. 1954. 28 p.
9706. WOODIN, M. D. An economic study of land utilization in Yates County, New York. New York (Cornell) Agricultural Experiment Station Bulletin 727. 1940. 52 p.

9707. WRIGHT, SEWALL. Corn and hog correlations. U. S. Department of Agriculture Department Bulletin no. 1300. 1925. 60 p.
9708. YOUNG, E. C. & SMITH, F. V. A study of farm layout in Indiana. Indiana (Purdue) Agricultural Experiment Station Bulletin no. 423. 1937. 30 p.
9709. ZAPOLEON, L. B. Geographical phases of farm prices: corn. U. S. Department of Agriculture Bulletin no. 696. 1918. 53 p.

EXTENSION PROGRAMS
(PROGRAMAS DE EXTENSION)

Teaching, Judging, Shows, etc.
(Ensenanza, Demostraciones, etc.)

9710. ADAMS, ROBERT M. Corn growing for boys and girls; a manual for junior extension workers. New York (Cornell) College of Agriculture Extension Bulletin no. 8, rev. 1923. 20 p.
9711. BRYANT, T. R. Boys' corn clubs and improved methods of corn growing. Kentucky Agricultural Experiment Station Bulletin no. 153. 1911. 13 p.
9712. CROSBY, DICK J. & HOWE, F. W. School lessons on corn. U. S. Department of Agriculture Farmers' Bulletin no. 409. 1910. 29 p.
9713. DODSON, W. R. & ROY, V. L. Corn: selecting, grading, preserving seed corn, preparing exhibits, rules and regulations for judging. Louisiana Agricultural Experiment Station Bulletin no. 118. 1909. 16 p.
9714. DUNGAN, GEORGE H. & BOLIN, OREN E. Judging crop quality. Danville, Illinois, The Interstate, 1950. 288 p. Shelled corn, pp. 32-47.
9715. GARMAN, H. Some lessons from the corn shows. Kentucky Agricultural Experiment Station Bulletin no. 145:271-290. 1909.
9716. GEYER, JOHN A. Teaming up for better corn. What's New in Crops & Soils 2(2):8-11. Nov. 1949.
9717. GREEN, W. J. Corn growing in Guam for club members. Guam Agricultural Experiment Station Extension Circular 3. 1923. 13 p.
9718. HELM, C. A. Corn selection for exhibit purposes. Missouri Agricultural Experiment Station Circular 126. 1924. 7 p.

9719. HOWE, F. W. How to test seed corn in school. U. S. Department of Agriculture. Office of Experiment Stations Circular 96. 1910. 7 p.
9720. HUTCHISON, C. B. Selecting and judging corn. Missouri Agricultural Experiment Station Circular no. 45:85-88. 1910.
9721. KEELER, CLYDE E. Preparing ears of maize for genetic classes. Journal of Heredity 36(2):41-42. Feb. 1945.
9722. LANE, C. H. Lessons on corn for rural elementary schools. U. S. Department of Agriculture Bulletin no. 653. 1918. 19 p.
9723. _____ School lessons on corn. U. S. Department of Agriculture Farmers' Bulletin no. 617. 1914. 15 p.
9724. LATHROPE, H. R. The Pacemaker Club grows more corn. Better Crops with Plant Food 39(3):13-16, 41-42. Mar. 1955.
9725. LEWIS, W. W. Virginia farmers see recommended corn hybrids through demonstrations. What's New in Crops & Soils 1(7):31. April-May 1949.
9726. LITZENBERGER, S. C. Juan Perez obtiene una buena cosecha de maiz. Nicaragua, Ministerio de Agricultura y Ganaderia, Servicio Tecnico Agricola de Nicaragua, Circular 32. 1956. 13 p.
9727. MOORE, R. A. Corn judging. Wisconsin Agricultural Experiment Station Circular of Information no. 8. 1909. 13 p.
9728. OGAARD, A. J. Corn growing in Montana for juniors. Montana College of Agriculture Extension Service Circular no. 65. 1923. 24 p.
9729. RICHEY, FREDERICK D. Corn judging and the productiveness of corn. American Society of Agronomy. Journal 17(6):313-318. June 1925.
9730. RYAN, BRYCE & GROSS, NEAL. Acceptance and diffusion of hybrid corn seed in two Iowa communities. Iowa Agricultural Experiment Station Research Bulletin no. 372: 661-708. 1950.

9731. SCHMITZ, NICKOLAS & HANGER, WALLACE E. Boys' corn-growing contest in 1911; suggestions for corn-growing and conducting a contest. Maryland Agricultural Experiment Station Bulletin no. 165:273-284. 1912.
9732. SCORE CARD for dent corn; corn judging. Ohio Agricultural Experiment Station Circular no. 61. 1906. 3 p.
9733. SHAMEL, ARCHIBALD DIXON. Manual of corn judging. 2d ed. New York, Orange Judd Co., 1903. 72 p.
9734. STATEN, HI W. & JONES, MELVILLE D. Farm crops: judging, identification and grading. New York, Blakiston Co., 1951. 251 p.
Corn, pp. 16, 23-24, 40, 44, 45, 201.
9735. SUMMERS, ENRIQUE. Interdependencia entre la extension y la investigacion; metodos de extension aplicables al mejoramiento de la produccion de maiz. En Reunion Centroamericana sobre el Mejoramiento del Maiz, 1a, Turrialba, C. R., 1954. Proyecto Cooperativo Centroamericano. Turrialba, C. R., Instituto Interamericano de Ciencias Agricolas, 1954. pp. 421-423.
9736. TAFF, P. C. Conducting agricultural exhibits and contests. Iowa College of Agriculture Extension Service Bulletin no. 16, rev. 1916. 15 p.
Corn contest, pp. 11-12, 14.
9737. THOMPSON, G. E. Preparation of exhibits for fairs and contests. Kansas Agricultural Experiment Station Circular no. 36. 1914. 7 p.
Corn, pp. 2-4.
9738. U. S. FEDERAL BOARD OF VOCATIONAL EDUCATION. Analysis of the operative jobs of a corn-growing enterprise; type study of the operative training content for a corn-growing enterprise in Maryland. Washington, D. C., U. S. Government Printing Office, 1927. 17 p. (Bulletin no. 118, Agricultural series no. 32).
9739. UTILITY AND beauty now considered by corn judges. What's New in Crops & Soils 2(2):28. Nov. 1949.
9740. WALLACE, H. A. What is in the corn judge's mind? American Society of Agronomy. Journal 15(7):300-304. July 1923.

9741. WENNBLOM, RALPH D. Dixie boy does it - 304 bu.! Lamar Ratliff, 16-year-old 4-H'er in Prentiss County, Mississippi tops Farm Journal's 300-bushel goal. Farm Journal 79(11):16-17, 219. Nov. 1955.
9742. WEST, H. O., COMP. The judging of livestock, dairy, poultry and crops. Mississippi Agricultural Experiment Station Bulletin no. 344. 1940. 143 p. Corn judging, pp. 110-124.
9743. WIANCKO, A. T. & CHRISTIE, G. I. Corn shows; and selecting, preparing and scoring exhibits. Indiana (Purdue) Agricultural Experiment Station Circular no. 18. 1909. 30 p.
9744. _____ & FISHER, M. L. Hints on preparing for and holding local corn shows. Indiana (Purdue) Agricultural Experiment Station Circular no. 1. 1906. 13 p.
9745. WILLIAMS, C. G. & WELTON, F. A. Corn judging: studies of prominent ear characters in their relation to yield. Ohio Agricultural Experiment Station Bulletin no. 212: 213-236. 1909.
9746. WILSON, HAROLD K. & LARSON, ALVIN H. Identification and judging of crops, weeds, and diseases. Saint Paul, Webb Publishing Co., 1940. 65 p. Corn, pp. 3, 36, 39-42.

RESEARCH AND CORN PROGRAMS
(INVESTIGACION Y PROGRAMAS DE MAIZ)

9747. ARGENTINA. CENTRO REGIONAL PAMPEANO DE INVESTIGACIONES AGROPECUARIAS. Memoria de la Quinta Reunion de Maiz, 27 y 28 de julio de 1950 en la Estacion Experimental Pergamino. Pergamino, 1950. 213 p. (mimeografiado)
9748. BOCANEGRA SALAZAR, SANTIAGO. Resultados obtenidos en el Programa del Maiz en la Estacion Experimental Agricola de La Molina, 1954-1955. Peru, Direccion General de Agricultura, Boletin no. 17-18:68-78. 1955.
9749. BOCETA, VICENTE. Siete anos de trabajos selectivos en maices. Espana. Instituto Nacional de Investigaciones Agronomicas, Boletin 10(22):107-157. Junio 1950.
9750. BOERGER, ALBERTO. Observaciones sobre agricultura; quince anos de trabajos fitotecnicos en el Uruguay. Montevideo, Imprenta Nacional, 1928. 580 p.
Maiz, pp. 457-474.
9751. _____, CANEL, M. & BURDENSKI, D. Investigaciones con maiz efectuadas en la Estanzuela desde 1934/35 a 1938/39. Archivo Fitotecnico del Uruguay 3(2):186-229. 1939.
Summaries in English and German.
9752. BOTACIO, JOAQUIN. Informe de Panama. En Reunion Centroamericana sobre Mejoramiento del Maiz, 3a, Antigua, Guatemala, 1956. Proyecto Cooperativo Centroamericano. Turrialba, C. R., Instituto Interamericano de Ciencias Agricolas, 1956. pp. 61-61b.
9753. BUCHANAN, R. E. Applied botanical research on maize. In Iowa State College. Symposia commemorating six decades of the modern era in botanical science, November 15 and 16, 1934, Ames, 1935. pp. 197-198. (Reprinted from Iowa State College Journal of Science, vol. 9, 1935).
9754. CARBALLO QUIROS, ALFREDO. Proyecto Cooperativo Centroamericano para Mejoramiento del Maiz. (Compendio) En Reunion Interamericana de Fitogenetistas, Fitopatologos, Entomologos y Edafologos, 3a, Bogota, Colombia, 1955. Bogota, Colombia, Ministerio de Agricultura, Oficina de Investigaciones Especiales, 1958. pp. 85-86.

9755. CARBALLO QUIROS, ALFREDO. El mejoramiento de nuestros maices. Suelo Tico 4(21-22):248-250. Julio-Oct. 1950.
9756. CARIBBEAN COMMISSION. Yearbook of Caribbean research, 1948; survey of research and investigation in Caribbean Commission territories. Trinidad, 1949. 407 p. Corn, pp. 32-34, 53, 70, 104-105. Supplement - Agriculture, fisheries and forestry, 1949. 1950. 296 p. Corn, pp. 40-41.
9757. CARIBBEAN RESEARCH COUNCIL. COMMITTEE ON AGRICULTURE, FISHERIES AND FORESTRY. Grain crops in the Caribbean. Washington, D. C., 1947. 125 p. (Crop Inquiry Series, no. 3).
9758. CASSALETT D., CLIMACO. Mejoramiento de maiz en Monteria. En Reunion Centroamericana sobre el Mejoramiento del Maiz, 1a, Turrialba, C. R., 1954. Proyecto Cooperativo Centroamericano. Turrialba, C. R., Instituto Interamericano de Ciencias Agricolas, 1954. pp. 267-269.
9759. _____ Sistemas culturales del maiz en las regiones de la Costa Atlantica de Colombia. En Reunion Centroamericana sobre el Mejoramiento del Maiz, 1a, Turrialba, C. R., 1954. Proyecto Cooperativo Centroamericano. Turrialba, C. R., Instituto Interamericano de Ciencias Agricolas, 1954. pp. 300-302.
9760. CHEVALIER, A. Travaux du Congres des Riz et des Mais des Colonies francaises. Revue de Botanique Applique et d'Agriculture Tropicale 19(219):790-801. Nov. 1939.
9761. COFINO, PEDRO G. Cooperation of private enterprise in corn improvement. Iowa Agricultural Experiment Station Research Bulletin no. 371:644-645. 1949. Aparece en espanol en p. 652.
9762. COLOMBIA. MINISTERIO DE AGRICULTURA. OFICINA DE INVESTIGACIONES ESPECIALES. Segundo informe anual sobre el progreso del Programa Cooperativo de Investigaciones Agricolas entre el Ministerio de Agricultura y la Fundacion Rockefeller, 1951-1952. Revista Nacional de Agricultura 48(585):25-45. Enero 1954. Maiz, pp. 25-35.

9763. COLOMBIA. MINISTERIO DE AGRICULTURA. OFICINA DE INVESTIGACIONES ESPECIALES. Tercer informe anual sobre el progreso del Programa Cooperativo de Investigaciones Agricolas entre el Ministerio de Agricultura y la Fundacion Rockefeller, 1952-1953. Revista Nacional de Agricultura 48(587):11-56. Mar. 1954. Maiz, pp. 13-22, 43-50.
9764. ESCOTO, EDGARDO. Informe de Honduras. En Reunion Centroamericana sobre Mejoramiento del Maiz, 3a, Antigua, Guatemala, 1956. Proyecto Cooperativo Centroamericano. Turrialba, C. R., Instituto Interamericano de Ciencias Agricolas, 1956. pp. 57-57c.
9765. GACITUA LOWICK-RUSSELL, HERNAN. Maiz. En Chile. Direccion General de Agricultura. Siete anos de investigacion agricola; memoria del ex-Departamento de Genetica y Fitotecnia, 1940-1947. Santiago, Imprenta Stanley, 1950. pp. 287-308.
9766. GOOR, G. A. W. VAN DER. Agronomic research on maize in Indonesia. Indonesia General Agricultural Research Station, Bogor. Contribution no. 135. 1953. 72 p.
9767. GREEN, VICTOR E. & HARRIS, EMMETT D. Results of research with field corn in the Everglades area, 1958. Florida Everglades Station Mimeo Report 59-7. Dec. 8, 1958. 6 p. (mimeographed)
9768. GUATEMALA. MINISTERIO DE AGRICULTURA. SERVICIO COOPERATIVO INTERAMERICANO DE AGRICULTURA (SCIDA). Informe anual - 1956. Guatemala, C. A., 1957? 144 p. Maiz, pp. 89-93.
9769. _____ Maiz para Guatemala; reporte anual para 1956. Seccion: Mejoramiento de Maiz. "La Aurora", 1957? 266 p.
9770. _____ Reporte de las actividades de la Seccion de Mejoramiento de Maiz del 1o de Enero al 31 de Diciembre de 1955. Guatemala, C. A., 1956? 273 p. Por W. C. Paddock y otros.
9771. HARRAR, J. G. The agricultural program of the Rockefeller Foundation. New York, Rockefeller Foundation, 1956. (pages un-numbered) Describes the corn programs in Mexico & Colombia.

9772. HAYES, H. K. Fifty years of crop research. Plant Food Review 3(4):14-18. 1957.
9773. INFORME SOBRE progreso del programa cooperativo entre el Ministerio de Agricultura y la Fundacion Rockefeller. Revista Nacional de Agricultura (Colombia) 45(554): 14-41. Junio 1951.
Programa de maiz, pp. 14-29.
9774. LOPEZ, MARIO. Informe de El Salvador. En Reunion Centroamericana sobre Mejoramiento del Maiz, 3a, Antigua, Guatemala, 1956. Proyecto Cooperativo Centroamericano. Turrialba, C. R., Instituto Interamericano de Ciencias Agricolas, 1956. p. 66.
9775. McLOUGHLIN, D. E. Summary of annual report of the Chief Agriculturist for the year ended 31st. December, 1948. Rhodesia Agricultural Journal 46(4):250-256. July-Aug. 1949.
Maize, pp. 250-253, 255, 256.
9776. MELHUS, IRVING E., ED. Plant research in the tropics. Iowa Agricultural Experiment Station Research Bulletin no. 371:497-660. 1949.
Most of the articles are on some aspect of corn research.
9777. MERINO ARGUETA, JESUS. Informe de El Salvador. En Reunion Centroamericana sobre Mejoramiento del Maiz, 3a, Antigua, Guatemala, 1956. Proyecto Cooperativo Centroamericano. Turrialba, C. R., Instituto Interamericano de Ciencias Agricolas, 1956. pp. 55-56c.
9778. MEXICO (ESTADO). CAMPO EXPERIMENTAL AGRICOLA SANTA ELENA. Informe num. 1, 1952-1954. Toluca, 1954. 59 p.
Maiz, pp. 13-20, 49-51.
9779. MEXICO. INSTITUTO DE INVESTIGACIONES AGRICOLAS. Informe anual, 1953-1954. Mexico, D. F., Secretaria de Agricultura y Ganaderia, 1954? 54 p.
Maiz, pp. 1-10.
9780. SECRETARIA DE AGRICULTURA Y GANADERIA. OFICINA DE ESTUDIOS ESPECIALES. Adelantos en la investigacion, Sept. 1, 1957-Agosto 31, 1958. Mexico, D. F., 1958? 511 p.
Maiz, pp. 9-57, 265-269, 292, 304, 355-361, 402-403.

9781. MEXICO. SECRETARIA DE AGRICULTURA Y GANADERIA. OFICINA DE ESTUDIOS ESPECIALES. Fourth annual progress report, September 1, 1953 - August 31, 1954. Mexico, D. F., 1954? 151 p. Corn, pp. 11-37, 91-94, 107, 109, 115-117, 121-123.
9782. SECRETARIA DE AGRICULTURA Y GANADERIA. OFICINA DE ESTUDIOS ESPECIALES. Informe de las labores desarrolladas por la Oficina de Estudios Especiales, durante el periodo comprendido del 1o Septiembre de 1956 al 31 de Agosto de 1957. Mexico, D. F., 1957? 237 p. Maiz, pp. 2-20, 177-186, 212-213.
9783. MOLINA ABELA, MARIANO. Memoria-resumen de trabajos realizados en la Estacion de Riegos de Cordoba, 1953-1956. Espana, Instituto Nacional de Investigaciones Agronomicas. Anales 6(4):301-388. Dic. 1957. Maiz, pp. 347-353.
9784. MORENO, SINFORIANO. Informe de Nicaragua. En Reunion Centroamericana sobre Mejoramiento del Maiz, 3a, Antigua, Guatemala, 1956. Proyecto Cooperativo Centroamericano. Turrialba, C. R., Instituto Interamericano de Ciencias Agricolas, 1956. pp. 67-68d.
9785. OBREGON, PEDRO. Informe de Venezuela. En Reunion Centroamericana sobre Mejoramiento del Maiz, 3a, Antigua, Guatemala, 1956. Proyecto Cooperativo Centroamericano. Turrialba, C. R., Instituto Interamericano de Ciencias Agricolas, 1956. pp. 62-62b.
9786. PADDOCK, WILLIAM C. & TANDON, OUDH B. Iowa State College - Guatemala Tropical Research Center. Report covering period from January 1, 1953 to July 1, 1954. Antigua, Guatemala, C. A., 1954. 71 p. Corn experiments, pp. 5-52.
9787. PARK, DAVID. West African Maize Rust Research Unit. Nature (London) 178(4539):904-905. Oct. 27, 1956.
9788. REPORT OF committee to formulate a cooperative program of corn improvement under the Purnell Act. American Society of Agronomy. Journal 18(9):823-829. Sept. 1926.

9789. REUNION CENTROAMERICANA SOBRE MEJORAMIENTO DEL MAIZ,
1a, TURRIALBA, COSTA RICA, 1954. Proyecto
Cooperativo Centroamericano. Turrialba, C. R.,
Instituto Interamericano de Ciencias Agricolas,
1954. 465 p.
9790. REUNION CENTROAMERICANA SOBRE MEJORAMIENTO DEL MAIZ,
2a, TURRIALBA, COSTA RICA, 1955. Proyecto
Cooperativo Centramericano. Turrialba, C. R.,
Instituto Interamericano de Ciencias Agricolas,
1955. 172 p.
9791. REUNION CENTROAMERICANA SOBRE MEJORAMIENTO DEL MAIZ,
3a, ANTIGUA, GUATEMALA, 1956. Proyecto Coopera-
tivo Centroamericano. Turrialba, C. R.,
Instituto Interamericano de Ciencias Agricolas,
1956. 178 p.
9792. ROCKEFELLER FOUNDATION. Central American Cooperative
Corn Improvement Project: Director's annual report,
1956. New York, 1957. 29 p.
9793. ROCKEFELLER FOUNDATION. Colombian agricultural program:
Director's annual report, May 1, 1956 - April 30,
1957. New York, 1957. 190 p.
Corn improvement program, pp. 11-35.
9794. ROCKEFELLER FOUNDATION. Mexican agricultural program:
Director's annual report, September 1, 1956 -
August 31, 1957. New York, 1957. 364 p.
Corn program, pp. 49-75.
9795. RODRIGUEZ, ANTONIO. Informe de Mexico. En Reunion
Centroamericana sobre Mejoramiento del Maiz, 3a,
Antigua, Guatemala, 1956. Proyecto Cooperativo
Centroamericano. Turrialba, C. R., Instituto
Interamericano de Ciencias Agricolas, 1956.
pp. 63-63b.
9796. SALAS, CARLOS A. Informe de Costa Rica. En Reunion
Centroamericana sobre Mejoramiento del Maiz, 3a,
Antigua, Guatemala, 1956. Proyecto Cooperativo
Centroamericano. Turrialba, C. R., Instituto
Interamericano de Ciencias Agricolas, 1956.
pp. 60-60b, 69-69b.

9797. SALAZAR, ANGEL. Informe de Nicaragua. En Reunion Centroamericana sobre Mejoramiento del Maiz, 3a, Antigua, Guatemala, 1956. Proyecto Cooperativo Centroamericano. Turrialba, C. R., Instituto Interamericano de Ciencias Agricolas, 1956. pp. 58-59f.
9798. _____ Resumen de los trabajos experimentales realizados con maiz en los ultimos cinco anos en Nicaragua. En Reunion Centroamericana sobre Mejoramiento del Maiz, 3a, Antigua, Guatemala, 1956. Proyecto Cooperativo Centroamericano. Turrialba, C. R., Instituto Interamericano de Ciencias Agricolas, 1956. pp. 144-154.
9799. SANDOVAL, ANTONIO. Informe de Guatemala. En Reunion Centroamericana sobre Mejoramiento del Maiz, 3a, Antigua, Guatemala, 1956. Proyecto Cooperativo Centroamericano. Turrialba, C. R., Instituto Interamericano de Ciencias Agricolas, 1956. pp. 54-54h.
9800. SAUNDERS, A. R. & LAUBSCHER, F. X. Field experiments at Potchefstroom; a summary of investigations conducted during the period 1940-1945. South Africa Department of Agriculture Science Bulletin no. 246. 1945. 57 p. (Agricultural Education & Research Series, no. 3).
9801. THE STORY of research behind ... corn, Missouri's $\frac{1}{4}$ billion dollar crop. Missouri Agricultural Experiment Station Bulletin 683. 1957. 26 p.
9802. TRABALHOS experimentais com milho, em andamento no Instituto Agronomico. Sao Paulo, Brasil, Secretaria da Agricultura, 1951. 11 p.
9803. VENEGAS, RUDY. Presentacion de la informacion acumulada. En Reunion Centroamericana sobre Mejoramiento del Maiz, 1a, Turrialba, C. R., 1954. Proyecto Cooperativo Centroamericano. Turrialba, C. R., Instituto Interamericano de Ciencias Agricolas, 1954. pp. 202-232.

9804. WALLACE, H. A. Six decades of corn improvement and the future outlook. In Iowa State College. Symposia commemorating six decades of the modern era in botanical science, November 15 and 16, 1934. Ames, 1935. pp. 347-352. (Reprinted from Iowa State College. Journal of Science, vol. 9, 1935).
9805. WEST AFRICAN MAIZE RUST RESEARCH UNIT. First annual report, 1953. Ibadan, Nigeria, 1954. 48 p.
9806. _____ Review of research for the period January 1955-December 1957. Ibadan, Nigeria, Federal Department of Agricultural Research, 1958? 50 p. (mimeographed)
9807. YOUNG, E. F. & KRANTZ, B. A. Report on Venezuelan corn experimental program for 1953. New York, IBEC Research Institute, 1954? 36 p. (Bulletin no.5-mimeographed).
9808. _____ & ORSENIGO, J. R. Corn investigations in Venezuela in 1953 and 1954. New York, IBEC Research Institute, 1955. 19 p. (Bulletin # 7).
9809. _____ & ORSENIGO, J. R. Preliminary technical report, 1954 Venezuelan corn experiments. Caracas, Venezuela, IBEC Research Institute, 1955. 198 p.

CONFERENCES - MEETINGS
(CONFERENCIAS - REUNIONES)

9810. ARGENTINA. CENTRO REGIONAL PAMPEANO DE INVESTIGACIONES AGROPECUARIAS. Memoria de la Quinta Reunion de Maiz, 27 y 28 de Julio de 1950 en la Estacion Experimental Pergamino. Pergamino, 1950. 213 p. (mimeografiado)
9811. ASAMBLEA LATINOAMERICANA DE FITOGENETISTAS, 1a, MEXICO, D. F., 1949. Trabajos presentados. Mexico, Secretaria de Agricultura y Ganaderia, Oficina de Estudios Especiales, Folleto Miscelaneo no. 3. Nov. 1950. 273 p.
9812. ESPANA. INSTITUTO NACIONAL DE INVESTIGACIONES AGRONOMICAS. CENTRO DE MEJORA DEL MAIZ. Report of trials with hybrid maize in Spain, 1956-1957. Presented at the 10th F.A.O. Hybrid Maize Meeting, Madrid, 22-28 September, 1958. Madrid, 1958.
9813. FAO HYBRID MAIZE MEETING, 6th., LISBON, PORTUGAL, 1953. Report, edited by R. W. Jugenheimer, Arne Kjaer and R. A. Silow. Rome, Food and Agriculture Organization of the United Nations, 1953. 57 p. (mimeographed)
9814. FAO HYBRID MAIZE MEETING, 9th., CAIRO, EGYPT, 1956. Report. Rome, Food and Agriculture Organization of the United Nations, 1956. 23 p. (Meeting Report no. 1956/21 - mimeographed)
9815. FAO LATIN AMERICAN REGIONAL MEETING ON CONTROL OF INFESTATION IN STORED GRAINS AND OTHER PRODUCTS, PALMIRA AND CALI, COLOMBIA, 1949. Report. Rome, Food and Agriculture Organization of the United Nations, 1949. 29 p. (mimeographed)
9816. Le CONTE, J. Reunion des experts du maïs à Clermont - Ferrand (23 au 27 janvier 1951) Compte Rendu. Agronomie Tropicale 6(3-4):179-185. Mars.-Avril 1951.

9817. MAISTRE, J. & SAUGER, L. Compte Rendu de la Cinquieme Reunion sur les Mais Hybrides. Agronomie Tropicale 7(4):383-394. Juil.-Avril 1952.
9818. MEETING ON SOIL FERTILITY AND FERTILIZERS FOR THE LATIN AMERICAN REGION, TURRIALBA, C. R., 1957. Preliminary report. Turrialba, C. R., Inter-American Institute of Agricultural Sciences, 1957. 45 p.
9819. REUNION CENTROAMERICANA SOBRE MEJORAMIENTO DEL MAIZ, 1a, TURRIALBA, COSTA RICA, 1954. Proyecto Cooperativo Centroamericano. Turrialba, C. R., Instituto Interamericano de Ciencias Agricolas, 1954. 465 p. (multigrafiado)
9820. REUNION CENTROAMERICANA SOBRE MEJORAMIENTO DEL MAIZ, 2a, TURRIALBA, COSTA RICA, 1955. Proyecto Cooperativo Centroamericano. Turrialba, C. R., Instituto Interamericano de Ciencias Agricolas, 1955. 172 p.
9821. REUNION CENTROAMERICANA SOBRE MEJORAMIENTO DEL MAIZ, 3a, ANTIGUA, GUATEMALA, 1956. Proyecto Cooperativo Centroamericano. Turrialba, C. R., Instituto Interamericano de Ciencias Agricolas, 1956. 178 p.
9822. REUNION INTERAMERICANA DE FITOGENETISTAS, FITOPATOLOGOS, ENTOMOLOGOS Y EDAFOLOGOS, 3a, BOGOTA, COLOMBIA, 1955. Bogota, Colombia, Ministerio de Agricultura, Oficina de Investigaciones Especiales, 1958. 459 p.

GENERAL PRODUCTION AND CULTIVATION
(PRODUCCION Y CULTIVO EN GENERAL)

United States

9823. AHLGREN, GILBERT H. & OTHERS. Practical field crop production for the Northeast; an elementary introduction to agronomy. Rev. ed. New Brunswick, Rutgers University Press, 1952. 423 p.
Corn, pp. 110-138.
9824. BIGGAR, H. HOWARD. The old and the new in corn culture. In U. S. Department of Agriculture. The yearbook of agriculture, 1918. Washington, D. C., U. S. Government Printing Office, 1918. pp. 123-136.
9825. BOSS, ANDREW, WILSON, HAROLD K. & PETERSON, WILLIAM E. American farming: agriculture. I-IV. Saint Paul, Minnesota, Webb Publishing Co., 1939-1944.
v. 1, pp. 139-151; v. 2, pp. 153-175; v. 3, pp. 175-189; v. 4, pp. 195-215.
9826. CLOUGH, MALCOLM & BROWNING, JAMES W. Feed grains. In U. S. Department of Agriculture. Marketing, the yearbook of agriculture, 1954. Washington, D. C., U. S. Government Printing Office, 1954. pp. 403-413.
Includes production of corn by states, grading, prices and sales and commercial uses of corn.
9827. CORN INDUSTRIES RESEARCH FOUNDATION. Corn in industry; a handbook of information on: the nature of the corn kernel, the corn wet-milling process, the resulting products and their uses as food and in industry, the corn wet-milling industry's importance to American agriculture, the corn crop and the Corn Belt, together with a brief historical sketch on corn. New York, 1937. 55 p.
9828. DUNGAN, GEORGE H. & ROSS, W. A. Growing field crops. New York, McGraw-Hill Book Co., 1957. 495 p.
Corn, pp. 134-142, 239-241, 245-248, 269-275, 306-310, 345-347.

9829. HUGHES, HAROLD D. & HENSON, EDWIN R. Crop production; principles and practices. Rev. ed. New York, Macmillan Co.; 1957. 620 p. Corn, pp. 189-239, 573.
9830. _____ & HENSON, EDWIN R. Crop production principles and practices; a handbook of information for the student of agriculture. New York, Macmillan Co., 1930. 816 p. Corn, pp. 299-390, 726-730.
9831. HUTCHESON, THOMAS B., WOLFE, T. K. & KIPPS, M. S. The production of field crops; a textbook of agronomy. 2d ed. New York, McGraw-Hill Book Co., 1936. 445 p. Corn, pp. 188-203.
9832. KYLE, C. H. Growing corn in the Southeastern States. U. S. Department of Agriculture Farmers' Bulletin no. 1149. 1920. 19 p.
9833. LEIGHTY, C. E. & OTHERS. The corn crop. In U. S. Department of Agriculture. The yearbook of agriculture, 1921. Washington, D. C., U. S. Government Printing Office, 1921. pp. 161-226.
9834. MARTIN, JOHN H. & LEONARD, WARREN H. Principles of field crop production. New York, Macmillan Co., 1949. 1176 p. Corn, pp. 331-396.
9835. MELHUS, IRVING E. & OTHERS. Comparative development of some United States, Mexican and Central American corns at different latitudes and altitudes. (Abstract) American Journal of Botany 33(3):220-221. Mar. 1946.
9836. MILORD, DOMINGO J. El maiz en los Estados Unidos, Revista de Agricultura, Comercio y Trabajo (Cuba) 11(18):22-27. Dic. 1930.
9837. PLUMB, C. S. The geographic distribution of cereals in North America. U. S. Department of Agriculture. Division of Biological Survey Bulletin no. 11. 1898. 24 p. Corn, pp. 7-13, 22.

9838. RATHER, HOWARD C. & HARRISON, CARTER M. Field crops. 2d ed. New York, McGraw-Hill Book Co., 1951. 446 p. Corn, pp. 1-3, 241-263. (Library also has first edition, 1942)
9839. STRINGFIELD, G. H. & ANDERSON, M. S. Corn production. U. S. Department of Agriculture Farmers' Bulletin no. 2073. 1954. 32 p.
9840. _____ & ANDERSON, M. S. Maize in the U.S.A. World Crops 10(3):87-91. Mar. 1958.
9841. UPHOF, J. C. T. Culture du maïs aux Etats-Unis. Revue de Botanique Appliquée et d'Agriculture Tropicale 18(199): 157-175. Mar. 1938.
9842. WALLACE, HENRY AGARD & BRESSMAN, EARL N. Corn and corn growing. 5th. ed. New York, John Wiley & Sons, 1949. 424 p. Library also has the following editions: 1923, rev. ed. 1925, 3rd ed. 1928, 4th. ed. 1947.
9843. WILSON, HAROLD K. Grain crops. 2d ed. New York, McGraw-Hill Book Co., 1955. 396 p. Corn, pp. 283-333. (Library also has first edition, 1948).
9844. _____ & MYERS, WILL M. Field crop production; agronomic principles and practices. New York, J. B. Lippincott Co., 1954. 674 p. Corn, pp. 170-204.
9845. WOLFE, T. K. & KIPPS, M. S. Production of field crops; a textbook of agronomy. 4th ed. New York, McGraw-Hill Book Co., 1953. 495 p. Corn, pp. 229-247.
9846. ZAPOLEON, L. B. Geographical phases of farm prices: corn. U. S. Department of Agriculture Bulletin no. 696. 1918. 53 p.

Alabama

9847. ALABAMA. AGRICULTURAL EXPERIMENT STATION. Annual reports ...
9848. BONDURANT, ALEX J. Corn and cotton. Alabama Agricultural Experiment Station Bulletin no. 52. 1894. 7 p.
9849. _____ Corn and cotton. Alabama Agricultural Experiment Station Bulletin no. 62: 61-72. 1895.
9850. DUGGAR, J. F. Corn culture. Alabama Agricultural Experiment Station Bulletin no. 111: 95-154. 1900.
9851. _____ Corn culture. Alabama Agricultural Experiment Station Bulletin no. 134: 169-202. 1905.
9852. _____ Experiments with corn. Alabama Agricultural Experiment Station Bulletin no. 75: 359-382. 1896.
9853. _____ Experiments with corn. Alabama Agricultural Experiment Station Bulletin no. 88: 489-502. 1897.
9854. _____ & DUNCAN, L. N. Variety tests with cotton and corn; Williamson method of corn culture. Alabama Agricultural Experiment Station Bulletin no. 138: 95-106. 1906.
9855. NEWMAN, J. S. Corn, cotton, rye, chufas; conclusions from six years of experiments. Alabama Agricultural Experiment Station Bulletin (n. s.) no. 16: 99-118. 1890.
9856. _____ Experiments with corn. Alabama Agricultural Experiment Station Bulletin no. 1. 1888. 7 p.
9857. _____ & CLAYTON, J. Corn, wheat and oats. Alabama, Agricultural Experiment Station Bulletin no. 32. 1891. 10 p.
9858. NICHOLS, BILL. We're learning how to grow corn in Alabama. Better Crops with Plant Food 33(8): 6-8, 43-44. Oct. 1949.

Arizona

9859. ARIZONA. AGRICULTURAL EXPERIMENT STATION. Annual reproto ...
9860. CLARK, V. A. Field corn in Arizona. Arizona Agricultural Experiment Station Bulletin no. 54:122-131. 1906.
9861. CLOTHIER, R. W. Dry-farming in the arid southwest. Arizona Agricultural Experiment Station Bulletin no. 70:721-798. 1913. Corn, pp. 777-785.
9862. McCLATCHIE, ALFRED J. & COIT, J. ELIOT. Relation of weather to crops and varieties adapted to Arizona conditions. Arizona Agricultural Experiment Station Bulletin no. 61:465-524. 1909.

Arkansas

9863. ARKANSAS. AGRICULTURAL EXPERIMENT STATION. Annual reports ...
9864. BURDICK, ALLAN B. & WISER, W. J. Corn performance tests, 1951. Arkansas Agricultural Experiment Station Report Series no. 29. 1952. 27 p.
9865. McCLELLAND, C. K. Effect of different dates of planting corn on yields. Arkansas Agricultural Experiment Station Bulletin no. 222. 1927. 14 p.
9866. NEWMAN, C. L. The comparative yield of corn from seed of the same variety grown in different latitudes. Arkansas Agricultural Experiment Station Bulletin no. 59:107-120. 1899.
9867. RUZEK, C. V. Corn improvement. Arkansas Agricultural Experiment Station Bulletin no. 115:547-574. 1913.
9868. SHANK, D. B. 1945 Arkansas corn yield tests. Arkansas Agricultural Experiment Station Report Series no. 2. 1946. 25 p.

9869. SHANK, D. B. & McCLELLAND, C. K. 1944 Arkansas corn yield tests. Arkansas Agricultural Experiment Station Report Series no. 1. 1945. 22 p.
9870. _____ & McCOLLUM, BEN D. 1946 Arkansas corn yield tests. Arkansas Agricultural Experiment Station Report Series no. 6. 1947. 23 p.
9871. WILSON, W. T. & BRYAN, STUART L. Index numbers of prices received for Arkansas farm products, 1910-1937. Arkansas Agricultural Experiment Station Bulletin no. 363. 1938. 46 p.
9872. YORK, J. O. Arkansas Coastal Plain corn performance test for 1953. Arkansas Agricultural Experiment Station Mimeograph Series no. 15. 1953. 4 p.
9873. _____ Arkansas Coastal Plain corn performance test for 1954. Arkansas Agricultural Experiment Station Mimeograph Series no. 28. 1954. 5 p.
9874. _____ Arkansas Coastal Plain corn performance test for 1955. Arkansas Agricultural Experiment Station Mimeograph Series no. 35. 1955. 5 p.
9875. _____ Arkansas hybrid corn performance tests, 1951-1955. Arkansas Agricultural Experiment Station Report Series no. 60. 1956. 13 p.
9876. _____ Arkansas Upland corn performance tests for 1953. Arkansas Agricultural Experiment Station Mimeograph Series no. 17. 1953. 10 p.
9877. _____ Corn hybrids recommended for Arkansas for 1956. Arkansas Agricultural Experiment Station Farm Research 4(4):4. Winter 1955.
9878. _____ Corn performance tests, 1952. Arkansas Agricultural Experiment Station Mimeograph Series no. 11. 1953. 21 p.
9879. _____ Eastern Arkansas corn performance tests for 1953. Arkansas Agricultural Experiment Station Mimeograph Series no. 18. 1954. 11 p.
9880. _____ Eastern Arkansas corn performance tests for 1954. Arkansas Agricultural Experiment Station Mimeograph Series no. 29. 1955. 11 p.

9881. YORK, J. O. Eastern Arkansas corn performance tests for 1955. Arkansas Agricultural Experiment Station Mimeograph Series no. 38. 1956. 14 p.
9882. _____ 1953 corn performance test on Rice prairie and similar soils. Arkansas Agricultural Experiment Station Mimeograph Series no. 16. 1953. 5 p.
9883. _____ 1954 corn performance test on Rice prairie and similar soils. Arkansas Agricultural Experiment Station Mimeograph Series no. 27. 1954. 6 p.
9884. _____ 1955 corn performance test on Rice prairie and similar soils. Arkansas Agricultural Experiment Station Mimeograph Series no. 36. 1955. 6 p.
9885. _____ Recommended corn hybrids for Arkansas for 1953. Arkansas Farm Research 1(4):5. Winter 1952.

California

9886. CALIFORNIA AGRICULTURAL EXPERIMENT STATION. Annual reports ...
9887. MacGILLIVRAY, JOHN A. & MINGES, P. A. Sweet corn production in California. California Agricultural Experiment Station Extension Service Circular 457. 1956. 19 p.
9888. SHERWIN, M. E. Observations on the status of corn growing in California. California Agricultural Experiment Station Circular no. 70. 1911. 20 p.

Colorado

9889. COFFMAN, FRANKLIN A., TISDALE, W. H. & BRANDON, J. F. Observations on corn smut at Akron, Colorado. American Society of Agronomy. Journal 18(5):403-411. May 1926.
9890. COLORADO AGRICULTURAL EXPERIMENT STATION. Annual reports ...

9891. COOKE, W. W. Farm notes: alfalfa, corn, potatoes and sugar beets. Colorado Agricultural Experiment Station Bulletin 57. 1900. 39 p.
Corn, pp. 15-28.
9892. LEONARD, WARREN H., BRANDON, J. F. & CURTIS, J. J. Corn production in Colorado. Colorado Agricultural Experiment Station Bulletin 463. 1940. 38 p.
9893. ROBERTSON, D. W., KEZER, ALVIN & DEMING, G. W. The date to plant corn in Colorado. Colorado Agricultural Experiment Station Bulletin 369. 1930. 8 p.

Connecticut

9894. CONNECTICUT. AGRICULTURAL EXPERIMENT STATION. Annual reports ...
9895. EAST, EDWARD M. The improvement of corn in Connecticut. Connecticut (New Haven) Agricultural Experiment Station Bulletin 152. 1906. 21 p.
9896. JONES, D. F., SLATE, W. L. & BROWN, B. A. Corn in Connecticut. Connecticut (Storrs) Agricultural Experiment Station Bulletin no. 124: 307-396. 1924.
Also published by the: Connecticut (New Haven) Agricultural Experiment Station Bulletin no. 259: 381-470. 1924.

Delaware

9897. DELAWARE. AGRICULTURAL EXPERIMENT STATION. Annual reports ...
9898. NEALE, ARTHUR T. & BECKWITH, M. H. Field experiments upon Indian corn, carried out at Dover and at Newark. Delaware Agricultural Experiment Station Bulletin no. 14: 1-12. 1891.

Florida

9899. FIELD CORN production guide. Florida Agricultural Extension Service Circular 144. 1956. (folded leaflet)
9900. FLORIDA. AGRICULTURAL EXPERIMENT STATION. Annual reports ...
9901. GREEN, VICTOR E. & OTHERS. Field corn production in South Florida. Florida Agricultural Experiment Station Bulletin 582. 1957. 44 p.
9902. HILLS, WALTER A. & OTHERS. Sweet corn production on the sandy soils of the Florida lower east coast. Florida Agricultural Experiment Station Bulletin 520. 1953. 31 p.
9903. HULL, FRED H., WARNER, J. D. & CARVER, W. A. Corn varieties and hybrids and corn improvement. Florida Agricultural Experiment Station Bulletin 355. 1941. 50 p.
9904. ROLFS, P. H. Corn. Florida Agricultural Experiment Station Bulletin no. 100:11-26. 1909.
9905. SMITH, J. LEE. Growing corn in Florida. Florida College of Agriculture Extension Service Circular 76, rev. 1944. 8 p.

Georgia

9906. BERGEAUX, P. J. Georgia grows good corn too. What's New in Crops & Soils 1(7):24. April-May 1949.
9907. CALVIN, MARTIN V. Corn production. Georgia Agricultural Experiment Station Bulletin no. 93:143-154. 1910.
9908. _____ & KIMBROUGH, J. M. Corn culture. Georgia Agricultural Experiment Station Bulletin no. 78:111-123. 1907.
9909. ELROD, J. C. A comparison of two levels of practices in the production of corn in the Limestone Valley area of Georgia. Georgia Agricultural Experiment Station Mimeo Series N. S. 18. 1956. 14 p.

9910. GEORGIA. AGRICULTURAL EXPERIMENT STATION. Annual reports ...
9911. HARTMAN, W. A. & WOOTEN, H. H. Georgia land use problems. Georgia Agricultural Experiment Station Bulletin 191. 1935. 195 p.
9912. KIMBROUGH, JAMES M. Corn culture. Georgia Agricultural Experiment Station Bulletin no. 84:211-220. 1908.
9913. _____ Corn culture. Georgia Agricultural Experiment Station Bulletin no. 88:41-63. 1909.
9914. _____ Corn culture. Georgia Agricultural Experiment Station Bulletin no. 97:93-107. 1911.
9915. _____ Corn culture. Georgia Agricultural Experiment Station Bulletin no. 104:17-30. 1914.
9916. LEBEDEFF, G. A. & OTHERS. Georgia corn performance tests, 1950. Georgia (Coastal Plain) Agricultural Experiment Station Circular 167. 1951. 15 p.
9917. _____ & OTHERS. Summary of corn performance tests in North Georgia. Georgia Agricultural Experiment Station Press Bulletin 642. 1953. 3 p.
9918. McCLELLAND, C. K. Cotton and corn; cultural tests, and variety tests of 1917 and 1918. Georgia Agricultural Experiment Station Bulletin no. 128:61-78. 1919. Corn, pp. 64-71.
9919. _____ Report on corn and cotton varieties at the Georgia Experiment Station in 1916. Georgia Agricultural Experiment Station Circular no. 75. 1917. 8 p.
9920. REDDING, R. J. Corn culture. Georgia Agricultural Experiment Station Bulletin no. 46:55-75. 1899.
9921. _____ Corn culture. Georgia Agricultural Experiment Station Bulletin no. 51:271-293. 1900.
9922. _____ Corn culture. Georgia Agricultural Experiment Station Bulletin no. 55:95-118. 1901.
9923. _____ Corn culture. Georgia Agricultural Experiment Station Bulletin no. 58:195-218. 1902.

9924. REDDING, R. J. Corn culture. Georgia Agricultural Experiment Station Bulletin no. 62:79-98. 1903.
9925. _____ Corn culture. Georgia Agricultural Experiment Station Bulletin no. 65:183-196. 1904.
9926. _____ Corn culture. Georgia Agricultural Experiment Station Bulletin no. 69:41-60. 1905.
9927. _____ Corn culture; fertilizer, culture and variety experiments on corn. Georgia Agricultural Experiment Station Bulletin no. 31:357-382. 1895.
9928. _____ Corn culture; fertilizer, culture and variety experiments on corn. Georgia Agricultural Experiment Station Bulletin no. 34:527-557. 1896.
9929. _____ Corn culture; fertilizer, culture and variety experiments on corn. Georgia Agricultural Experiment Station Bulletin no. 37:33-63. 1897.
9930. _____ Corn culture; fertilizer, variety and culture tests. Georgia Agricultural Experiment Station Bulletin no. 41:181-204. 1898.
9931. _____ Fertilizer, culture and variety experiments; corn and cotton. Georgia Agricultural Experiment Station Bulletin no. 20. 1893. 28 p.
Corn, pp. 1-14.
9932. _____ Fertilizer, culture and variety experiments on corn. Georgia Agricultural Experiment Station Bulletin no. 27:187-195. 1894.
9933. _____ Fertilizer experiments on corn, culture experiments on corn, variety tests of corn. Georgia Agricultural Experiment Station Bulletin no. 10:127-149. 1890.
9934. _____ Fertilizer experiments on corn, culture experiments on corn, variety tests of corn. Georgia Agricultural Experiment Station Bulletin no. 15:91-115. 1891.
9935. _____ Manures and fertilizers; fertilizer, culture and variety experiments on corn. Georgia Agricultural Experiment Station Bulletin no. 23:73-88. 1893.
9936. _____ & KIMBROUGH, J. M. Corn culture. Georgia Agricultural Experiment Station Bulletin no. 74:193-208. 1906.

Hawaii

9937. HAWAII. AGRICULTURAL EXPERIMENT STATION. Annual reports ...
9938. McCLELLAND, C. K. Corn culture and improvement. Hawaii Agricultural Experiment Station Press Bulletin no. 42. 1913. 36 p.
9939. _____ The production of corn in Hawaii. American Society of Agronomy. Journal 7(1):36-38. Jan.-Feb. 1915.
9940. NAKAGAWA, YUKIO. Growing sweet corn in Hawaii. Hawaii College of Agriculture Extension Service Circular 377. 1957. 6 p.

Illinois

9941. BAUER, F. C. Crop yields from Illinois experiment fields in 1929; together with a general summary for the rotation periods ending in 1929. Illinois Agricultural Experiment Station Bulletin no. 347:321-368. 1930.
9942. _____ Crop yields from Illinois soil experiment fields in 1930; together with a general summary for the rotation periods ending in 1930. Illinois Agricultural Experiment Station Bulletin no. 370:213-264. 1931.
9943. _____ Crop yields from Illinois soil experiment fields in 1931; together with a general summary for the rotation periods ending in 1931. Illinois Agricultural Experiment Station Bulletin no. 382:225-278. 1932.
9944. _____ Crop yields from Illinois soil experiment fields in 1932; together with a general summary for the rotation periods ending in 1932. Illinois Agricultural Experiment Station Bulletin no. 398:481-539. 1934.

9945. BAUER, F. C. Crop yields from Illinois soil experiment fields in 1933; together with a general summary for the four-year period ending in 1933. Illinois Agricultural Experiment Station Bulletin no. 402:37-92. 1934.
9946. BAUMAN, L. F. & OTHERS. Experimental corn hybrids, 1950 tests. Illinois Agricultural Experiment Station Bulletin no. 543:73-99. 1951.
9947. _____ & OTHERS. Experimental corn hybrids, 1952 tests. Illinois Agricultural Experiment Station Bulletin 563. 1953. 19 p.
9948. BURLISON, W. L. & ALLYN, O. M. Yields of different varieties of corn in Illinois. Illinois Agricultural Experiment Station Bulletin no. 191:407-424. 1916.
9949. COPPER, R. R. & OTHERS. Illinois corn performance tests, 1939-1941. In Illinois Agricultural Experiment Station Bulletins nos. 463:169-216; 474:171-223; 482:473-528. 1940-1942.
9950. DAVENPORT, EUGENE & FRASER, W. J. Corn experiments, 1895. Illinois Agricultural Experiment Station Bulletin no. 42:163-179. 1896.
9951. DUNGAN, GEORGE H. & BURLISON, W. L. Productiveness of certain varieties of corn in Illinois. Illinois Agricultural Experiment Station Bulletin no. 294:569-583. 1927.
9952. _____ & OTHERS. Illinois corn performance tests ... 1934-1938. In its Illinois Agricultural Experiment Station Bulletins nos. 411:53-88; 427:281-340; 429:389-420; 440:349-396; 450:225-272. 1935-1939.
9953. _____ & OTHERS. Illinois hybrid corn tests, 1943, 1945-1946. In its Illinois Agricultural Experiment Station Bulletins nos. 500:100-123; 517:225-256; 521:339-370. 1944-1947.
9954. GARDNER, FRANK D. Corn experiments, 1894. Illinois Agricultural Experiment Station Bulletin no. 37:1-24. 1895.
9955. ILLINOIS. AGRICULTURAL EXPERIMENT STATION. Annual reports ...

9956. LENG, EARL R. Performance of commercial corn hybrids in Illinois, 1957. Illinois Agricultural Experiment Station Bulletin 622. 1958. 40 p.
9957. MORROW, G. E. & GARDNER, F. D. Corn and oats experiments, 1893; experiments with corn. Illinois Agricultural Experiment Station Bulletin no. 31:333-360. 1894.
9958. _____ & GARDNER, F. D. Field experiments with corn, 1891. Illinois Agricultural Experiment Station Bulletin no. 20:49-72. 1892.
9959. _____ & GARDNER, F. D. Field experiments with corn, 1892. Illinois Agricultural Experiment Station Bulletin no. 25:173-204. 1893.
9960. _____ & HUNT, T. F. Field experiments with corn, 1890. Illinois Agricultural Experiment Station Bulletin no. 13:389-432. 1891.
9961. THE MORROW PLOTS, University of Illinois. Illinois College of Agriculture Extension Service Circular 777. 1957. 16 p.
America's oldest experiment field. Corn yields on these plots range from 22 to 113 bushels per acre.
9962. THE 1920 wheat, oats, and corn yields from soil experiment fields in Illinois. Illinois Agricultural Experiment Station Circular no. 246. 1921. 4 p.
9963. NORTON, L. J. When to market grain. Illinois College of Agriculture Extension Service Circular 711. 1953. 28 p.
9964. PENDLETON, J. W. & OTHERS. 1952 Illinois corn tests; variety performance, seed treatment, rate of planting. Illinois Agricultural Experiment Station Bulletin 564. 1953. 32 p.
9965. _____ & OTHERS. 1953 Illinois corn tests; variety performance, seed treatment, rate of planting. Illinois Agricultural Experiment Station Bulletin 571. 1954. 32 p.
9966. _____ & OTHERS. 1954 Illinois corn tests; variety performance, seed treatment, insects, diseases. Illinois Agricultural Experiment Station Bulletin 585. 1955. 31 p.

9967. RUNGE, E. C. & ODELL, R. T. The relation between precipitation, temperature and the yield of corn on the Agronomy South Farm, Urbana, Illinois. *Agronomy Journal* 50(8):448-454. Aug. 1958.
9968. SCHUMAHLER, C. P. Marketing southern Illinois corn, wheat, and soybeans; a report of research. *Illinois Agricultural Experiment Station Bulletin* 595. 1955. 23 p.
9969. SHAMEL, ARCHIBALD D. Seed corn and some standard varieties for Illinois. *Illinois Agricultural Experiment Station Bulletin* no. 63:29-56. 1901.
9970. WESTON, NATHAN A. The cost of production of corn and oats in Illinois in 1896. *Illinois Agricultural Experiment Station Bulletin* no. 50:53-75. 1898.
9971. WILCOX, R. H. & CASE, H. C. M. Twenty-five years of Illinois crop costs, 1913-1937. *Illinois Agricultural Experiment Station Bulletin* no. 467:357-455. 1940.
9972. WIMER, D. C. Composition of mature corn stover as affected by variety, soil type, and fertilizer treatment. *Illinois Agricultural Experiment Station Bulletin* no. 437:173-272. 1937.

Indiana

9973. CRANE, PAUL L., MILES, S. R. & ALVEY, D. D. Performance of commercial dent corn hybrids in Indiana, 1954-1958. *Indiana (Purdue) Agricultural Experiment Station Research Bulletin* no. 671. 1958. 20 p.
9974. _____, NEWMAN, J. E. & MILES, S. R. Performance of dent corn hybrids in Indiana 1951-1955. *Indiana (Purdue) Agricultural Experiment Station Bulletin* 634. 1955. 16 p.
9975. _____, NEWMAN, J. E. & MILES, S. R. Performance of dent corn hybrids in Indiana, 1952-1956. *Indiana (Purdue) Agricultural Experiment Station Bulletin* 643. 1956. 16 p.

9976. CRANE, PAUL L., NEWMAN, J. E. & MILES, S. R. Performance of corn hybrids in Indiana through 1952. Indiana (Purdue) Agricultural Experiment Station Circular 389. 1952. 32 p.
9977. _____ & OTHERS. Performance of dent corn hybrids in Indiana, 1949-1953, 1950-1954. In its Indiana (Purdue) Agricultural Experiment Station Bulltins nos. 604:1-62; 614:1-20. 1953-1954.
9978. DENIS, ELMER C. & BAUMAN, RONALD H. Crop costs and returns in southeastern Indiana. Indiana (Purdue) Agricultural Experiment Station Bulletin 549. 1950. 32 p.
9979. INDIANA(PURDUE) AGRICULTURAL EXPERIMENT STATION. Annual reports
...
9980. INDIANA GROWER makes corn his hobby; gets 241 bushels per acre. What's New in Crops & Soils 7(9):32. Aug.-Sept. 1955.
9981. JANSSEN, M. R. & ROBERTSON, L. S. Economic effects of cropping and livestock systems on a rolling central Indiana farm. Indiana (Purdue) Agricultural Experiment Station Bulletin no. 625. 1955. 24 p.
9982. LATTA, W. C. Experiments with corn. Indiana (Purdue) Agricultural Experiment Station Bulletin no. 23. 1889. 12 p.
9983. _____ Experiments with oats and corn. Indiana (Purdue) Agricultural Experiment Station Bulletin no. 14. 1888. 20 p.
9984. _____ Field experiments with corn. Indiana (Purdue) Agricultural Experiment Station Bulletin no. 39:33-43. 1892.
9985. _____ Field experiments with corn. Indiana (Purdue) Agricultural Experiment Station Bulletin no. 43:5-15. 1893.
9986. _____ Field experiments with corn and oats. Indiana (Purdue) Agricultural Experiment Station Bulletin no. 50:41-55. 1894.
9987. _____ & ANDERSON, W. B. Field experiments with corn. Indiana (Purdue) Agricultural Experiment Station Bulletin no. 77:29-34. 1899.

9988. LATTA, W. C. & ANDERSON, W. B. Field experiments with corn, oats and forage plants. Indiana (Purdue) Agricultural Experiment Station Bulletin no. 64:1-16. 1897.
9989. _____ & IVES, GEORGE R. Field experiments with corn and oats. Indiana (Purdue) Agricultural Experiment Station Bulletin no. 55:24-45. 1895.
9990. MILES, S. R. Performance of corn hybrids in Indiana, 1937-1944. Indiana (Purdue) Agricultural Experiment Station Bulletin 511. 1946. 53 p.
9991. _____ Performance of corn hybrids in Indiana, 1937-1946. Indiana (Purdue) Agricultural Experiment Station Bulletin 526. 1948. 76 p.
9992. _____, NEWMAN, J. E. & CRANE, PAUL L. Performance of dent corn hybrids in Indiana through 1952. Indiana (Purdue) Agricultural Experiment Station Bulletin 598. 1953. 44 p.
9993. PAARLBERG, DON. Seasonal variations of Indiana farm prices. Indiana (Purdue) Agricultural Experiment Station Bulletin 566. 1951. 32 p.
9994. ROBERTSON, LYNN & BONHAM, E. R. Variation in local marketing procedure for grain, hay, livestock and feed in north-western Indiana. Indiana (Purdue) Agricultural Experiment Station Bulletin 364. 1932. 20 p.
9995. WIANCKO, A. T. Corn improvement in Indiana. Indiana (Purdue) Agricultural Experiment Station Bulletin no. 105:275-322. 1905.
9996. _____ How to increase Indiana corn yields. Indiana (Purdue) Agricultural Experiment Station Circular no. 91. 1919. 20 p.
9997. _____ Results of cooperative tests of varieties of corn, wheat, oats, soy beans and cow peas. Indiana (Purdue) Agricultural Experiment Station Bulletin no. 117:365-394. 1907.
9998. _____ & CROMER, C. O. Results of cooperative tests of varieties of corn, wheat, oats, soy beans and cow peas, 1907. Indiana (Purdue) Agricultural Experiment Station Bulletin no. 124:25-60. 1908.

9999. WIANCKO, A. T. & CROMER, C. O. Results of cooperative tests of varieties of corn, wheat, oats, soy beans and cow peas, 1908. Indiana (Purdue) Agricultural Experiment Station Bulletin no. 132:467-500. 1909.
10000. _____ & CROMER, C. O. Results of cooperative tests of varieties of corn, wheat, oats, soy beans and cow peas, 1909. Indiana (Purdue) Agricultural Experiment Station Bulletin no. 139:87-123. 1910.
10001. _____ & CROMER, C. O. Summary of five years results of cooperative tests of varieties of corn, wheat, oats, soy beans and cow peas, 1906-1910. Indiana (Purdue) Agricultural Experiment Station Bulletin no. 149:1-23. 1911.
10002. YOUNG, E. C. & SMITH, F. V. A study of farm layout in Indiana. Indiana (Purdue) Agricultural Experiment Station Bulletin no. 423. 1937. 30 p.

Iowa

10003. ATKINSON, JAMES. Field experiments: corn, test of varieties, methods of cultivation, selection, shrinkage; oats, barley, spring wheat, speltz, sorghum, rape, kohl rabi, soybeans and sugar beets. Iowa Agricultural Experiment Station Bulletin no. 55:360-384. 1901.
Corn, pp. 362-374.
10004. _____ Field experiments with corn, oats, barley, wheat, brome grass, rape, sorghum, soy bean, cow peas, and sugar beets. Iowa Agricultural Experiment Station Bulletin no. 45:214-229. 1900.
Corn, pp. 216-217, 226-228.
10005. GOODSELL, WYLIE D. Cost and utilization of power and labor on Iowa farms. Iowa Agricultural Experiment Station Research Bulletin no. 258:318-363. 1939.
10006. HOPKINS, JOHN A. The crop system in Iowa County. Iowa Agricultural Experiment Station Bulletin no. 261:277-316. 1929.
Corn, pp. 286-295.

10007. HOUSEMAN, E. E. & DAVIS, F. E. Influence of distribution of rainfall and temperature on corn yields in western Iowa. Journal of Agricultural Research 65(12):533-545. Dec. 15, 1942.
10008. HURD, EDGAR B. The corn enterprise in Iowa. Iowa Agricultural Experiment Station Bulletin no. 259: 225-256. 1929.
10009. _____ Cropping systems in Iowa, past and present. Iowa Agricultural Experiment Station Bulletin no. 268:133-163. 1930.
10010. HUTCHCROFT, CHARLES D. & ROBINSON, JOE L. Iowa corn yield test, 1948. Iowa Agricultural Experiment Station Bulletin no. P97: 229-292. 1949.
10011. _____ & ROBINSON, JOE L. 1952 Iowa corn yield test. Iowa Agricultural Experiment Station Bulletin no. P115: 857-912. 1953.
10012. _____ & ROBINSON, JOE L. The 1954 Iowa corn yield test. Iowa Agricultural Experiment Station Bulletin P118. 1955. 34 p.
10013. _____ & ROBINSON, JOE L. The 1955 Iowa corn yield test. Iowa Agricultural Experiment Station Bulletin P120. 1956. 24 p.
10014. _____ & ROBINSON, JOE L. The 1956 Iowa corn yield test. Iowa Agricultural Experiment Station Bulletin P123. 1957. 30 p.
10015. _____ & ROBINSON, JOE L. The 1957 Iowa corn yield test. Iowa Agricultural Experiment Station Bulletin P124. 1958. 30 p.
10016. _____, ROBINSON, JOE L. & REISS, FRANCIS. Iowa corn yield test, 1946. Iowa Agricultural Experiment Station Bulletin no. P84: 749-804. 1947.
10017. IOWA AGRICULTURAL EXPERIMENT STATION. Annual reports ...
10018. _____ AGRICULTURAL EXPERIMENT STATION. Corn yield test helps farmers choose varieties. Iowa Farm Science 10(1):13. July 1955.

10019. KENT, D. A. Crop report of the Farm Department. Iowa Agricultural Experiment Station Bulletin no. 16:303-308. 1892.
10020. MALONE, CARL. Stretching the corn crop. Iowa Farm Economist 8(10):8. Oct. 1942.
10021. REISS, FRANCIS & ROBINSON, JOE L. The 1944 Iowa corn yield test. Iowa Agricultural Experiment Station Bulletin no. P71:369-416. 1945.
10022. _____, ROBINSON, JOE L. & ZUBER, MARCUS S. Iowa corn yield test, 1942. Iowa Agricultural Experiment Station Bulletin no. P51:625-680. 1943.
10023. RHOADES, M. M. & ROBINSON, JOE L. The 1936 Iowa corn yield test. Iowa Agricultural Experiment Station Bulletin no. 355:185-240. 1937.
10024. ROBINSON, JOE L. & HUTCHCROFT, CHARLES D. Iowa corn yield test, 1947. Iowa Agricultural Experiment Station Bulletin no. P87:861-915. 1948.
10025. _____ & HUTCHCROFT, CHARLES D. Iowa corn yield test, 1949. Iowa Agricultural Experiment Station Bulletin no. P103:489-552. 1950.
10026. _____ & HUTCHCROFT, CHARLES D. Iowa corn yield test, 1951. Iowa Agricultural Experiment Station Bulletin no. P112:757-812. 1952.
10027. _____ & HUTCHCROFT, CHARLES D. 1953 Iowa corn yield test. Iowa Agricultural Experiment Station Bulletin no. P116. 31 p.
10028. _____ & REISS, FRANCIS. Iowa corn yield test, 1943. Iowa Agricultural Experiment Station Bulletin no. P58: 849-903. 1944.
10029. _____ & REISS, FRANCIS. The Iowa corn yield test, 1945. Iowa Agricultural Experiment Station Bulletin no. P79: 597-642. 1946.
10030. _____ & RHOADES, M. M. The 1935 Iowa corn yield test. Iowa Agricultural Experiment Station Bulletin no. 343: 151-198. 1936.

10031. ROBINSON, JOE L. & ZUBER, MARCUS S. Iowa corn yield test, 1941. Iowa Agricultural Experiment Station Bulletin no. P38: 301-377. 1942.
10032. _____ & ZUBER, MARCUS S. The 1939 Iowa corn yield test. Iowa Agricultural Experiment Station Bulletin no. P2: 33-112. 1940.
10033. _____ & OTHERS. The 1937 Iowa corn yield test. Iowa Agricultural Experiment Station Bulletin no. 370: 377-436. 1938.
10034. RYAN, BRYCE & GROSS, NEAL. Acceptance and diffusion of hybrid corn seed in two Iowa communities. Iowa Agricultural Experiment Station Research Bulletin no. 372: 661-708. 1950.
10035. SCHULTZ, T. W. & BROWNLEE, O. H. Our U. S. Iowa corn granary and how it has affected hogs in the Corn Belt. Iowa Farm Economist 7(1):8-10. Jan. 1941.
10036. SHAW, ROBERT H. How much corn this fall? Iowa Agricultural Experiment Station Farm Science 3(1): 3-4. July 1948.
10037. SHEPHERD, GEOFFREY & PATERSON, DAVID G. The proper size and location of corn stabilization stocks. Iowa Agricultural Experiment Station Research Bulletin no. 321: 1-24. 1943.
10038. SPEER, R. P. Experiments with corn. Iowa Agricultural Experiment Station Bulletin no. 7: 247-260. 1889.
10039. THOMAS, H. L. & HOPKINS, JOHN A. Costs and utilization of corn in seven Iowa counties. Iowa Agricultural Experiment Station Bulletin no. 289: 1-32. 1932.
10040. _____ & HOPKINS, JOHN A. Why corn costs vary. Iowa Agricultural Experiment Station Bulletin no. 289a. 1932. 4 p.
10041. WILCOX, WALTER W. & STRAND, NORMAN V. Differences in Iowa farms and their significance in the planning of agricultural programs. Iowa Agricultural Experiment Station Research Bulletin 260. 1939. 47 p.
10042. ZUBER, MARCUS STANLEY & ROBINSON, JOE L. 1938 Iowa corn yield test. Iowa Agricultural Experiment Station Bulletin no. 379: 1-77. 1939.

Kansas

10043. CLAPP, A. L. Kansas corn performance tests. Kansas Agricultural Experiment Station Circular no. 323:8-10. 1955.
10044. _____ & FINDLEY, WILLIAM R. Kansas corn tests, 1957. Kansas Agricultural Experiment Station Bulletin 397. 1958. 29 p.
10045. _____ & FINDLEY, WILLIAM R. Kansas corn tests, 1958. Kansas Agricultural Experiment Station Bulletin 404. 1959. 28 p.
10046. _____ & OTHERS. Kansas corn tests, 1946-47, 1954. In Kansas Agricultural Experiment Station Bulletins nos. 333:1-48; 336:1-39; 373:1-46. 1947-48, 1955.
10047. CUNNINGHAM, C. C. Growing corn in Kansas. Kansas Agricultural Experiment Station Bulletin no. 205. 1915. 46 p.
10048. GEORGESEN, C. C., BURTIS, F. C. & SHELTON, W. Experiments with corn. Kansas Agricultural Experiment Station Bulletin no. 30:179-207. 1891.
10049. _____, BURTIS, F. C. & OTIS, D. H. Experiments with corn. Kansas Agricultural Experiment Station Bulletins nos. 45:129-149; 56:149-160; 64:227-246. 1893, 1895, 1897.
10050. GRIMES, W. E. & OTHERS. A study of farm organization in central Kansas. U. S. Department of Agriculture Department Bulletin no. 1296. 1925. 75 p.
10051. HEYNE, E. G. & OTHERS. Kansas corn tests, 1945. Kansas Agricultural Experiment Station Bulletin 329. 1946. 40 p.
10052. HODGES, J. A. The effect of rainfall and temperature on corn yield in Kansas. Journal of Farm Economics 13(2):305-318. April 1931.

10053. JUGENHEIMER, R. W., CLAPP, A. L. & HOLLEMBEAK, H. D. Kansas corn tests, 1940. Kansas Agricultural Experiment Station Bulletin 292. 1941. 47 p.
10054. KANSAS. AGRICULTURAL EXPERIMENT STATION. Annual reports ...
10055. MELCHERS, LEO E. & BRUNSON, ARTHUR M. Effect of chemical treatments of seed corn on stand and yield in Kansas. American Society of Agronomy. Journal 26(11):909-917. Nov. 1934.
10056. SALMON, S. C. Corn production in Kansas. Kansas Agricultural Experiment Station Bulletin no. 238. 1926. 42 p.
10057. SHOESMITH, V. M. The study of corn. Kansas Agricultural Experiment Station Bulletin no. 139:223-249. 1906.
10058. TEN EYCK, A. M. & SHOESMITH, V. M. Crop experiments in 1903. Kansas Agricultural Experiment Station Bulletin no. 123: 179-249. 1904. Corn, pp. 204-220.
10059. _____ & SHOESMITH, V. M. Indian corn. Kansas Agricultural Experiment Station Bulletin no. 147:225-295. 1907.

Kentucky

10060. BONDURANT, JOHN H. & RICE, KEITH R. Profitable factors for corn production in Kentucky; costs and returns by different methods and practices. Kentucky Agricultural Experiment Station Bulletin 565. 1951. 26 p.
10061. HARPER, J. N. Corn: field tests. Kentucky Agricultural Experiment Station Bulletin no. 118. 1905. 19 p.
10062. HUTSON, J. B., FINN, W. G. & GALLOWAY, Z. L. An economic study of crops and livestock in the Purchase Region of Kentucky. Kentucky Agricultural Experiment Station Bulletin no. 289: 307-433. 1928. Corn, pp. 325-334.

10063. KENTUCKY. AGRICULTURAL EXPERIMENT STATION. Annual reports ...
10064. NICHOLLS, W. D., BONDURANT, JOHN H. & GALLOWAY, Z. L. Family incomes and land utilization in Knox County. Kentucky Agricultural Experiment Station Bulletin no. 375:155-219. 1937.
10065. PRODUCE HIGH yields of corn. Kentucky College of Agriculture and Home Economics Extension Circular 506. 1953. 8 p.
10066. ROUSE, W. L. & BYERS, GEORGE B. Production requirements for crops and livestock in the bluegrass region of Kentucky. Kentucky Agricultural Experiment Station Bulletin no. 383:125-223. 1938.

Louisiana

10067. BARR, HAROLD T. Corn and soybean production. Louisiana Agricultural Experiment Station Bulletin 253. 1934. 4 p.
10068. BROWN, H. B. Suggestions for increasing corn yields in Central and South Louisiana. Louisiana Agricultural Experiment Station Circular no. 23. 1940. 7 p.
10069. DODSON, W. R. & ROY, V. L. Corn: selecting, grading, preserving seed corn, preparing exhibits, rules and regulations for judging. Louisiana Agricultural Experiment Station Bulletin no. 118. 1909. 16 p.
10070. HADDON, C. B. & JOHNS, D. M. Corn production in the alluvial section of Louisiana. Louisiana Agricultural Experiment Station Circular no. 24. 1940. 4 p.
10071. IVY, H. W. Yield trials with corn hybrids in Louisiana, 1948-51. Louisiana Agricultural Experiment Station Bulletin no. 461. 1952. 15 p.
10072. JENKINS, J. MITCHELL. Experiments with cotton, corn, sorghum, and soybeans at the Rice Experiment Station, Crowley, Louisiana. Louisiana Agricultural Experiment Station Bulletin no. 383. 1944. 19 p.

10073. JOHNS, D. M. & BROWN, H. B. Effect of date of planting on corn yields, insect infestation, and fungous diseases. Louisiana Agricultural Experiment Station Bulletin no. 327. 1941. 28 p.
10074. LOUISIANA AGRICULTURAL EXPERIMENT STATION. Annual reports ...
10075. STEWART, SIDNEY. Corn production on the hill lands of Louisiana. Louisiana Agricultural Experiment Station Circular no. 26. 1940. 3 p.
10076. WASSON, R. A. Better Louisiana corn. Better Crops with Plant Food 33(3):15-20, 46-47. Mar. 1949.

Maryland

10077. DeVAULT, S. H. & WALKER, WILLIAM PAUL. An economic study of the production of sweet corn and peas in Maryland. Maryland Agricultural Experiment Station Bulletin no. 305:239-329. 1929.
10078. HAMILTON, A. B. & JOHNSON, T. D. Types of farming in Maryland. Maryland Agricultural Experiment Station Bulletin no. 432:217-271. 1940.
10079. MARYLAND AGRICULTURAL EXPERIMENT STATION. Annual reports ...
10080. METZGER, J. E. & EPPLER, GEARY. Variety tests of corn, wheat and soy beans. Maryland Agricultural Experiment Station Bulletin no. 237. 1920. 23 p.
10081. _____ & WHITE, ALBERT. Variety tests of field crops at Ridgely. Maryland Agricultural Experiment Station Bulletin no. 281:201-214. 1926.
10082. MILLER, R. H. & BRINKLEY, E. H. Variety and culture experiments with wheat, corn and potatoes. Maryland Agricultural Experiment Station Bulletin no. 62:187-205. 1899.

10083. NASH, C. W. Corn: variety tests, seed breeding, selection and testing. Maryland Agricultural Experiment Station Bulletin no. 141:103-134. 1910.
10084. ROTHGEB, R. G. Sweet corn field trials, 1942. Maryland Agricultural Experiment Station Miscellaneous Publication no. 14. 1942. 7 p. (mimeographed)
10085. STABLER, AUGUSTUS. Sweet corn; breeding, growing and curing for seed. Maryland Agricultural Experiment Station Bulletin no. 96:31-43. 1904.

Massachusetts

10086. COLBY, WILLIAM G. & DONALDSON, RALPH W. Field corn in Massachusetts. Massachusetts Agricultural Experiment Station Bulletin no. 356. 1939. 16 p.
10087. HASKELL, SIDNEY B. Effect of potash on crop yields. Massachusetts Agricultural Experiment Station Bulletin no. 232:41-51. 1927.
10088. _____ A thirty-year fertilizer test. Massachusetts Agricultural Experiment Station Bulletin no. 212:127-158. 1922.
Corn, pp. 129-139.
10089. MASSACHUSETTS. AGRICULTURAL EXPERIMENT STATION. Annual reports ..

Michigan

10090. COX, JOSEPH F. & DUNCAN, J. R. Corn growing in Michigan.
Michigan Agricultural Experiment Station Regular
Bulletin no. 289. 1920. 46 p.
10091. MICHIGAN. AGRICULTURAL EXPERIMENT STATION. Annual reports...
10092. MARSTON, A. R. Corn varieties and planting dates are
tested; trials made at Monroe to select sorts
suitable for corn borer area. Michigan Agricultural
Experiment Station Quarterly Bulletin 11(4):161-163.
May 1929.
10093. MOTTS, G. N. The production-consumption balance of agri-
cultural products in Michigan. III. Field crops.
Michigan Agricultural Experiment Station Special
Bulletin no. 278. 1936. 30 p.
10094. RATHER, H. C. Crop varieties for Michigan. Michigan
Agricultural Experiment Station Special Bulletin
no. 109. 1933. 24 p.
10095. _____ & DUNCAN, J. R. Corn growing in Michigan.
Michigan Agricultural Experiment Station Special
Bulletin no. 210. 1931. 35 p.
10096. SMITH, CLINTON D. Some experiments in corn raising.
Michigan Agricultural Experiment Station Bulletin
no. 154:257-288. 1898.

Minnesota

10097. HAYES, H. K. Comparative value of crops for different
sections of Minnesota; data from experiment station
trials, 1921-1941. Minnesota Agricultural Experi-
ment Station Bulletin 365. 1943. 14 p.

10098. HAYS, WILLET M. & PARKER, EDWARD C. The cost of producing farm products. Minnesota Agricultural Experiment Station Bulletin no. 97. 1906. 90 p.
Corn, pp. 41-43, 46, 47.
10099. MINNESOTA. AGRICULTURAL EXPERIMENT STATION. Annual reports ...
10100. PINNELL, E. L., TROYER, A. F. & RINKE, E. H. The 1956 Minnesota hybrid corn performance trials. Minnesota Agricultural Experiment Station Miscellaneous Report 28. 1957. 23 p.
10101. RINKE, E. H., JOACHIM, GERTRUD & OLMEIM, N. C. Maturity ratings of corn hybrids registered for sale in Minnesota in 1951. Minnesota Agricultural Experiment Station Miscellaneous Report 14. 1952. 12 p.
10102. _____, JOACHIM, GERTRUD & OLMEIM, N. C. Maturity ratings of corn hybrids in Minnesota, 1952-53. Minnesota Agricultural Experiment Station Miscellaneous Report 17. 1953. 12 p.
10103. _____, JOACHIM, GERTRUD & OLMEIM, N. C. Maturity ratings for corn hybrids in Minnesota, 1954-55. Minnesota Agricultural Experiment Station Miscellaneous Report 20. 1954. 12 p.

Mississippi

10104. AMES, C. T. Corn at Holly Springs Branch Experiment Station. Mississippi Agricultural Experiment Station Bulletin no. 189. 1920. 8 p.
10105. BOWERS, JOHN L. & OTHERS. Sweet corn tests show hybrids adapted to Mississippi. Mississippi Farm Research 11(9):2-3. Sept. 1948.
10106. JORDON, HOWARD V. Fertilizer and production practices for corn in the hill sections of Mississippi. Mississippi Agricultural Experiment Station Bulletin 486. 1951. 14 p.

10107. MISSISSIPPI. AGRICULTURAL EXPERIMENT STATION. Annual reports ...
10108. _____ 1952 crop and fertilizer recommendations compiled by experiment station staff. Mississippi Farm Research 14(11):1, 6-8. Nov. 1951.
10109. _____ Mississippi crop and fertilizer recommendations for 1953. Mississippi Farm Research 15(11):3-5, 6. Nov. 1952.
10110. _____ Crop, fertilizer recommendations for State in 1954. Mississippi Farm Research 16(10):1-5. Oct. 1953.
10111. _____ Crop and fertilizer recommendations for 1955. Mississippi Farm Research 17(11):3-6. Nov. 1954.
10112. MOORE, E. L. Sweet corn tests for Mississippi growers at State College. Mississippi Farm Research 22(3):5, 8. Mar. 1959.
10113. O'KELLY, J. F. & COWART, ROWLAND. Corn experiments, 1922. Mississippi Agricultural Experiment Station Circular 47. 1923. 6 p.
10114. OSGOOD, O. T. Order in yields from fertilizer and spacing in corn production. Mississippi Agricultural Experiment Station Bulletin 516. 1954. 21 p.
10115. _____ Results of corn studies on test demonstration farms. Mississippi Farm Research 18(4):3. April 1955.
10116. RICKS, J. R. & AMES, C. T. Corn. Mississippi Agricultural Experiment Station Bulletin no. 170. 1915. 15 p.
10117. TODD, H. P. Production of grains on Mississippi farms, 1928-1945. Mississippi Farm Research 9(9):8. Sept. 1946.
10118. TRACEY, S. M. & LLOYD, E. R. Corn. Mississippi Agricultural Experiment Station Bulletin no. 33:59-77. 1895.
10119. WAGGONER, B. E. Sweet corn tests for Mississippi growers at Newton Station. Mississippi Farm Research 22(3):5. Mar. 1959.

10120. WEEKS, J. M. Corn production in Mississippi. Better Crops with Plant Food 30(5):25-26, 44-45. May 1946.
10121. _____ Increasing grain production in Mississippi. Better Crops with Plant Food 31(5):11-14, 49-50. May 1947.
10122. WELLS, CHESTER M. & SAVILLE, R. J. More corn, hay, soybeans, small grains forseen. Mississippi Farm Research 17(4):2. Mar. 1954.
10123. WEST, H. O., COMP. Corn and oats; a compilation of information on comparison, utilization, and production of grain feeds for Mississippi farms. Mississippi Agricultural Experiment Station Bulletin 368. 1942. 127 p.
10124. WILLIAMS, D. L. Mississippi can grow 100-bushel-per-acre corn. Better Crops with Plant Food 33(5):9-14, 42-43. May 1949.

Missouri

10125. GROGAN, CLARENCE O. & ZUBER, MARCUS S. Missouri hybrid popcorn yield trials, 1955. Missouri Agricultural Experiment Station Bulletin 671. 1956. 3 p.
10126. HELM, C. A. Corn in Missouri. II. Field methods that increase the corn crop. Missouri Agricultural Experiment Station Bulletin 185. 1921. 20 p.
10127. HUTCHISON, C. B. & DOUGLASS, T. R. Experiments with farm crops in southwest Missouri. Missouri Agricultural Experiment Station Bulletin no. 123:161-185. 1915. Corn, pp. 164-168.
10128. MISSOURI. AGRICULTURAL EXPERIMENT STATION. Annual reports ...
10129. SCHWEITZER, P. Soil, weather, field trials with corn. Missouri Agricultural Experiment Station Bulletin no. 5. 1889. 44 p.

10130. STADLER, L. J. & HELM, C. A. Corn in Missouri. I. Corn varieties and their improvement. Missouri Agricultural Experiment Station Bulletin 181. 1921. 51 p.
10131. TUCKER, G. M. Corn improvement for Missouri. Missouri Agricultural Experiment Station Bulletin no. 59: 71-91. 1902.
10132. WATERS, H. J. Field experiments with corn. Missouri Agricultural Experiment Station Bulletin no. 14. 1891. 36 p.
10133. _____ & CONNER, C. M. Field experiments with corn. Missouri Agricultural Experiment Station Bulletin no. 32. 1895. 32 p.
10134. ZUBER, MARCUS STANLEY. 1951 yield trials with corn hybrids in Missouri. Missouri Agricultural Experiment Station Bulletin 570. 1952. 23 p.
10135. _____ 1952 yield trials with corn hybrids in Missouri. Missouri Agricultural Experiment Station Bulletin 592. 1953. 24 p.
10136. _____ & BEARD, BENJAMIN H. Missouri corn hybrid yield trials, 1953. Missouri Agricultural Experiment Station Bulletin 613. 1954. 19 p.
10137. _____ & GROGAN, C. O. Missouri hybrid corn yield trials, 1954. Missouri Agricultural Experiment Station Bulletin no. 648. 1955. 12 p.
10138. _____ & GROGAN, C. O. Missouri hybrid corn yield trials, 1956. Missouri Agricultural Experiment Station Bulletin no. 682. 1957. 11 p.

Montana

10139. ATKINSON, ALFRED & WILSON, M. L. Corn in Montana.
Montana Agricultural Experiment Station Circular
no. 53:109-163. 1916.
10140. _____ & WILSON, M. L. Corn in Montana; history,
characteristics, adaptation. Montana Agricultural
Experiment Station Bulletin no. 107:9-128. 1915.
10141. _____ & WILSON, M. L. Corn planting and cultivation
in Montana. Montana Agricultural Experiment Station
Circular no. 67:107-128. 1917.
10142. BAIRD, W. P. Corn experiments at the Judith Basin Substation.
Montana Agricultural Experiment Station Bulletin no. 132.
1919. 24 p.
10143. HANSEN, DAN. Work of the Huntley Field Station in 1923 and
1924. U. S. Department of Agriculture Department
Circular 369. 1926. 43 p.
10144. _____ Work of the Huntley Reclamation Project Experiment
Farm in 1922. U. S. Department of Agriculture Department
Circular 330. 1924. 32 p.
10145. _____ Work of the Huntley Reclamation Project Experiment
Farm in 1921. U. S. Department of Agriculture Department
Circular 275. 1923. 27 p.
10146. _____ The work of the Huntley Reclamation Project Experiment
Farm in 1918. U. S. Department of Agriculture Department
Circular 86. 1920. 32 p.
10147. _____ The work of the Huntley Reclamation Project Experiment
Farm in 1920. U. S. Department of Agriculture Department
Circular 204. 1921. 31 p.
10148. MONTANA. AGRICULTURAL EXPERIMENT STATION. Annual reports ...
10149. SEAMANS, A. E. Corn experiments in south central Montana;
results from the Experimental Dry Farm, Huntley, Montana.
Montana Agricultural Experiment Station Bulletin no. 140.
1921. 24 p.

10150. SELBY, H. E. Big-scale corn raising in Montana. Montana Agricultural Experiment Station Bulletin no. 171. 1925. 46 p.
10151. THORNBERRY, H. Sweet corn in the higher altitudes. Montana Agricultural Experiment Station Bulletin no. 157. 1923. 19 p.
10152. WILSON, M. L. Corn growing in Montana. Montana Agricultural Experiment Station Circular no. 41:49-74. 1914.

Nebraska

10153. HOLDEN, JAMES A. The work of the Scottsbluff Reclamation Project Experiment Farm in 1918 and 1919. U. S. Department of Agriculture Department Circular 173. 1921. 36 p.
10154. INGERSOLL, C. L. & PERIN, S. W. Cost of farm crops. Nebraska Agricultural Experiment Station Bulletin no. 29:35-42. 1893.
10155. KIESSELBACH, T. A. Corn investigations. Nebraska Agricultural Experiment Station Research Bulletin no. 20. 1922. 151 p.
10156. _____ Productive seed corn. Nebraska Agricultural Experiment Station Bulletin 188. 1923. 35 p.
10157. _____ & KEIM, F. D. The regional adaptation of corn in Nebraska. Nebraska Agricultural Experiment Station Research Bulletin no. 19. 1921. 64 p.
10158. NEBRASKA. AGRICULTURAL EXPERIMENT STATION. Annual reports ...
10159. PUGSLEY, C. W. Cost of growing crops in Nebraska. Nebraska Agricultural Experiment Station Bulletin no. 122. 1911. 12 p.

10160. SNYDER, W. P. & BURNETT, E. A. Crop production in western Nebraska; report of Experimental Substation, North Platte, Nebraska. Nebraska Agricultural Experiment Station Bulletin no. 95. 1907. 34 p.
10161. _____ & BURR, W. W. Crop production in western Nebraska; principles of cultivation. Nebraska Agricultural Experiment Station Bulletin no. 109. 1909. 55 p.
10162. _____ & BURR, W. W. Growing crops in western Nebraska. Nebraska Agricultural Experiment Station Bulletin no. 118. 1911. 69 p.; no. 135. 1913. 41 p.
10163. SPAFFORD, R. R. Farm types in Nebraska, as determined by climatic, soil, and economic factors. Nebraska Agricultural Experiment Station Research Bulletin no. 15. 1919. 85 p.
10164. WOLFE, H. F. Producing high corn yields. Nebraska College of Agriculture Extension Service Circular 114, rev. 1949. 30 p.

New Jersey

10165. MUSGRAVE, GEORGE W. Corn growing in New Jersey. New Jersey Agricultural Experiment Station Circular 128. 1921. 22 p.
10166. NEW JERSEY. AGRICULTURAL EXPERIMENT STATION. Annual reports ...
10167. SPRAGUE, HOWARD B. Corn growing for high yields and low costs per bushel. New Jersey Agricultural Experiment Station Circular 427. 1942. 4 p.

New York

10168. HENDERSON, PHILIP A. An economic study of farming in Tompkins County, New York, 1937. New York (Cornell) Agricultural Experiment Station Bulletin 728. 1940. 65 p.
10169. LADD, C. E. Cost accounts on some New York farms. New York (Cornell) Agricultural Experiment Station Bulletin no. 377:769-815. 1916.
10170. MINNS, EDWARD R. Further experiments on the economic value of root crops for New York. New York (Cornell) Agricultural Experiment Station Bulletin no. 317:545-566. 1912.
10171. MYERS, C. H., LOVE, H. H. & BUSSELL, F. P. Production of new strains of corn for New York. New York (Cornell) Agricultural Experiment Station Bulletin no. 408:205-268. 1922.
10172. NEW YORK (CORNELL) AGRICULTURAL EXPERIMENT STATION. Annual reports ...
10173. NEW YORK (GENEVA) AGRICULTURAL EXPERIMENT STATION. Annual reports ...
10174. NEW YORK. STATE COLLEGE OF AGRICULTURE. Cornell recommends ... for field crops, 1952. Ithaca, n. d. 16 p.
10175. WOODIN, M. D. An economic study of land utilization in Yates County, New York. New York (Cornell) Agricultural Experiment Station Bulletin 727. 1940. 52 p.

North Carolina

10176. COLWELL, W. E. Some crop potentialities in North Carolina. Better Crops with Plant Food 38(1):6-8, 42-44. Jan. 1954.
10177. COOKE, H. L., PEEDIN, C. D. & MOORE, R. P. Measured crop performance, 1951; corn hybrids - cotton - wheat - oats - barley. North Carolina Agricultural Experiment Station Bulletin 379. 1952. 44 p.
10178. KRANTZ, B. A. Research points the way for higher corn yields in North Carolina. Better Crops with Plant Food 31(2): 6-10, 45-47. Feb. 1947.
10179. LUTZ, J. F. & WILLIAMS, C. B. Agronomic farm practices in Franklin County, North Carolina. North Carolina Agricultural Experiment Station Technical Bulletin no. 66. 1940. 43 p.
10180. MCKENZIE, M. G., PEEDIN, C. D. & MOORE, R. P. Measured crop performance, 1952; corn hybrids - cotton - wheat - oats - barley. North Carolina Agricultural Experiment Station Bulletin 381. 1953. 40 p.
10181. NORTH CAROLINA AGRICULTURAL EXPERIMENT STATION. Annual reports ...
10182. NORTH CAROLINA AGRICULTURAL EXPERIMENT STATION. New hybrids yield well in tests. Research & Farming Progress Report 8(4):40. Spring 1950. (72d annual report, 1949).
10183. WILLIAMS, C. B. Some factors involved in successful corn growing. North Carolina Agricultural Experiment Station Bulletin 204. 1909. 42 p.

North Dakota

10184. HOPPER, T. H. Composition and maturity of corn. North Dakota Agricultural Experiment Station Bulletin 192. 1925. 76 p.
10185. NORTH DAKOTA AGRICULTURAL EXPERIMENT STATION. Annual reports ...
10186. OLSON, HOWARD M. Silage dependable forage crop at Williston; fertilizer boosts irrigated silage corn. North Dakota Agricultural Experiment Station Bimonthly Bulletin 18(5):175-176. May-June 1956.
10187. OLSON, P. J. Tasseling and silking as criteria of comparative earliness in corn. American Society of Agronomy. Journal 19(5):454-460. May 1927.
10188. _____, WALSTER, H. L. & HOPPER, T. H. Corn for North Dakota. North Dakota Agricultural Experiment Station Bulletin 207. 1927. 106 p.
10189. SHEPPERD, J. H. & CHURCHILL, O. O. Experiments with corn, forage and leguminous crops for 1905-1906. North Dakota Agricultural Experiment Station Bulletin no. 76:339-376. 1907.
10190. SMITH, RALPH W. Cereal crops in western Dakota, Dickinson Substation. North Dakota Agricultural Experiment Station Bimonthly Bulletin 2(3):8-11. Jan. 1940.
10191. WALSTER, H. L. Facts about North Dakota's corn crop. North Dakota Agricultural Experiment Station Bimonthly Bulletin 5(5):26. May 1943.
10192. WIIDAKAS, WILLIAM. Corn hybrid and variety performance. North Dakota Agricultural Experiment Station Bimonthly Bulletin 13(4):157-164. Mar.-April 1951.
10193. _____ Testing corn variety and hybrid performance in North Dakota. North Dakota Agricultural Experiment Station Bimonthly Bulletin 3(4):16-21. Mar. 1941.
10194. WILLARD, REX E. Cost of producing crops in North Dakota. North Dakota Agricultural Experiment Station Bulletin 199. 1926. 32 p.

Ohio

10195. FALCONER, J. I. Twenty years of Ohio agriculture, 1910-1930. Ohio Agricultural Experiment Station Bulletin no. 526. 1933. 110 p.
10196. _____ & DOWLER, J. F. Variations in costs of producing corn, wheat, and other crops in Greene County, Ohio. Ohio Agricultural Experiment Station Bulletin no. 396: 229-284. 1926.
10197. GODDARD, L. H. & ELSER, W. L. Labor cost of producing corn in Ohio. Ohio Agricultural Experiment Station Bulletin no. 266:81-124. 1914.
10198. MONTGOMERY, CARY W. Factors affecting labor and miscellaneous costs of producing crops; comparison of figures secured at County Experiment Farms. Ohio Agricultural Experiment Station Monthly Bulletin 5(5):154-158. May 1920.
10199. MORISON, F. L. Variations in crop production costs in Medina County, Ohio. Ohio Agricultural Experiment Station Bulletin 453. 1930. 52 p.
10200. OHIO. AGRICULTURAL EXPERIMENT STATION. Annual reports ,..
10201. SITTERLEY, J. H. & FALCONER, J. I. The farm business from 1929 to 1935 on one hundred forty-one Ohio farms. Ohio Agricultural Experiment Station Bulletin 587. 1937. 22 p.
10202. STRASZHEIM, R. E. Corn and hay yields for 1930. Ohio Agricultural Experiment Station Bimonthly Bulletin no. 150:113-118. May-June 1931.
10203. STRINGFIELD, G. H. Maize inbred lines of Ohio. Ohio Agricultural Experiment Station Research Bulletin 831. 1959. 67 p.
10204. _____ & PFAFF, H. L. The Ohio corn performance tests, 1945 and 1946. Ohio Agricultural Experiment Station Special Circular 77. 1948. 26 p.

10205. STRINGFIELD, G. H. & PFAFF, H. L. A summary of corn performance experiments in Ohio: 1943 to 1949. Ohio Agricultural Experiment Station Research Circular 14. 1951. 88 p.
10206. _____, LEWIS, R. D. & PFAFF, H. L. The Ohio cooperative corn performance tests. Ohio Agricultural Experiment Station Special Circular 64. 1942. 26 p.
10207. THORNE, C. E. The cost of crop production in Ohio. Ohio Agricultural Experiment Station Monthly Bulletin 3(11): 337-348. Nov. 1918.
10208. _____ & HICKMAN, J. FREMONT. Experiments with corn. Ohio Agricultural Experiment Station Bulletin 4(1): 1-38. 1891.
10209. WILLIAMS, C. G. Cooperative corn work for 1908. Ohio Agricultural Experiment Station Circular 76. 1908. 4 p.
10210. _____ Experiments with corn. Ohio Agricultural Experiment Station Circular no. 53. 1906. 11 p.
10211. _____ & WELTON, F. A. Corn experiments. Ohio Agricultural Experiment Station Bulletin no. 282: 69-109. 1915.

Oklahoma

10212. BROOKS, JAMES S. & CROSS, C. B. Performance tests of corn varieties and hybrids, 1943. Oklahoma Agricultural Experiment Station Bulletin no. B-277. 1944. 15 p.
10213. _____ & PASS, HARTWILL. Oklahoma corn performance tests, summary: 1948, 1949, 1950 and 1951. Oklahoma Agricultural Experiment Station Miscellaneous Publication no. MP-26. 1952. 31 p.
10214. _____ & PASS, HARTWILL. Performance tests of corn varieties and hybrids, 1955. Oklahoma Agricultural Experiment Station Miscellaneous Publication MP-44. 1956. 23 p.

10215. BROOKS, JAMES S., PASS, HARTWILL & SMITH, JOE W. Hybrid corn strains recommended for 1953. Oklahoma Agricultural Experiment Station Bulletin B-389. 1953. 4 p.
10216. HARPER, H. J. Corn yields doubled in Oklahoma by use of irrigation water and nitrogen. What's New in Crops & Soils 1(7):27. April-May 1949.
10217. MURPHY, H. F. Cultural methods for corn and grain sorghums on Oklahoma soils. Oklahoma Agricultural Experiment Station Bulletin no. 150. 1925. 7 p.
10218. OKLAHOMA. AGRICULTURAL EXPERIMENT STATION. Annual reports ...
10219. OSBORN, W. M. & MATHEWS, O. R. Crop rotation, tillage, and fertility experiments at the Lawton (Okla.) Field Station, 1917-1949. U. S. Department of Agriculture Circular no. 951. 1955. 58 p.
10220. PASS, HARTWILL & BROOKS, JAMES S. Performance tests of corn varieties and hybrids, 1951. Oklahoma Agricultural Experiment Station Miscellaneous Publication MP-24. 1951. 28 p.
10221. _____ & BROOKS, JAMES S. Performance tests of corn varieties and hybrids, 1957. Oklahoma Agricultural Experiment Station Miscellaneous Publication MP-50. 1958. 15 p.
10222. _____ & BROOKS, JAMES S. Performance tests of corn varieties and hybrids, 1958. Oklahoma Agricultural Experiment Station Miscellaneous Publication MP-52. 1959. 19 p.
10223. _____, BROOKS, JAMES S. & SMITH, JOE W. Performance tests of corn varieties and hybrids, 1953. Oklahoma Agricultural Experiment Station Miscellaneous Publication MP-33. 1954. 23 p.
10224. _____, BROOKS, JAMES S. & SMITH, JOE W. Performance tests of corn varieties and hybrids, 1952. Oklahoma Agricultural Experiment Station Miscellaneous Publication MP-29. 1953. 23 p.
10225. SUMMARY OF experiments with corn and wheat - 1898. Oklahoma Agricultural Experiment Station Bulletin no. 36. 1898. 4 p.

Oregon

10226. FORE, R. E. Field corn production in Oregon. Oregon Agricultural Experiment Station Bulletin 434. 1945. 41 p.
10227. HIGH CORN yields produced in test on irrigated sandy soil in Oregon. What's New in Crops & Soils 2(7):33. April-May 1950.
10228. 1953 FIELD CROP recommendations for Oregon. Oregon Agricultural Experiment Station Bulletin 533. 1953. 24 p.
10229. OREGON. AGRICULTURAL EXPERIMENT STATION. Annual reports ...

Pennsylvania

10230. FIELD CROP recommendations and rotation fertilization for Pennsylvania. Pennsylvania College of Agriculture Extension Service Special Folder. 1954. 10 p.
10231. HUBER, L. L. Pennsylvania corn performance studies, double cross tests, 1953. Pennsylvania Agricultural Experiment Station Progress Report no. 119. 1954. 12 p.
10232. _____, GORSLINE, G. W. & KORMAN , G. W. Pennsylvania corn performance studies, 1957. Pennsylvania Agricultural Experiment Station Progress Report no. 192. 1958. 12 p.
10233. _____, HARROD, J. E. & SCHAAF, H. M. Pennsylvania corn performance studies, double cross tests, 1949. Pennsylvania Agricultural Experiment Station Progress Report no. 32. 1950. 8 p.

10234. HUBER, L. L., HARROD, J. E. & SCHAAF, H. M. Pennsylvania corn performance studies, double cross tests, 1950. Pennsylvania Agricultural Experiment Station Progress Report no. 54. 1951. 8 p.
10235. _____, SCHAAF, H. M. & SATCHELL, D. P. Pennsylvania corn performance studies. Pennsylvania Agricultural Experiment Station Progress Report no. 102. 1953. 8 p.
10236. _____ & OTHERS. Pennsylvania corn hybrid performance; 1943-46 tests. Pennsylvania Agricultural Experiment Station Bulletin 494. 1948. 46 p.
10237. HUNT, THOMAS F. Corn growing in the East. Pennsylvania Agricultural Experiment Station Bulletin no. 116. 1912. 16 p.
10238. NISSEN, OIVIND, MEYER, H. ARTHUR & RICHER, A. CHESTER. Trends and variations in yields from the Jordon Fertility Plots. Pennsylvania Agricultural Experiment Station Bulletin no. 533. 1950. 18 p.
10239. NOLL, CHARLES F. Experiments with corn. Pennsylvania Agricultural Experiment Station Bulletin no. 139. 1916. 23 p.
10240. PENNSYLVANIA. AGRICULTURAL EXPERIMENT STATION. Annual reports
....

Rhode Island

10241. HARTWELL, BURT L. & DAMON, S. C. Miscellaneous experiments with corn. Rhode Island Agricultural Experiment Station Bulletin no. 173. 1918. 27 p.
10242. RHODE ISLAND. AGRICULTURAL EXPERIMENT STATION. Annual reports ...

South Carolina

10243. CARTWRIGHT, OSCAR L. The rice weevil and associated insects in relation to shuck lengths and corn varieties. South Carolina Agricultural Experiment Station Bulletin no. 266. 1930. 28 p.
10244. HUTCHINSON, W. L. Corn - - - varieties, ear-row, and limiting factor tests. South Carolina Agricultural Experiment Station Bulletin no. 186. 1916. 14 p.
10245. _____ Corn - - - varieties and limiting factor tests, season 1916. South Carolina Agricultural Experiment Station Bulletin no. 190. 1917. 7 p.
10246. NEWMAN, J. S. Corn. South Carolina Agricultural Experiment Station Bulletin 44. 1899. 6 p.
10247. NEWMAN, C. L. The "Williamson Plan" of corn culture. South Carolina Agricultural Experiment Station Bulletin 124. 1907. 20 p.
10248. _____ The Williamson Plan in 1907. South Carolina Agricultural Experiment Station Bulletin 135. 1908. 21 p.
10249. ROGERS, W. B. & WARNER, J. D. Corn variety and fertilizer experiments. South Carolina Agricultural Experiment Station Bulletin 248. 1928. 38 p.
10250. SOUTH CAROLINA. AGRICULTURAL EXPERIMENT STATION. Annual reports ...

South Dakota

10251. CHAMPLIN, MANLEY & WINRIGHT, GEORGE. Corn culture in South Dakota. South Dakota Agricultural Experiment Station Bulletin no. 181:854-911. 1918.
10252. GRAFIUS, J. E. & HEHN, E. R. South Dakota corn performance test, 1943. South Dakota Agricultural Experiment Station Circular 50. 1944. 23 p.

10253. HANSEN, N. E., FULKERON, VINCENT & SANDERSON, EVERETT G. Cooperative tests in 1904 of peas, beans, sweet corn and cabbage. South Dakota Agricultural Experiment Station Bulletin 91. 1905. 22 p.
10254. HEHN, E. R. & GRAFIUS, J. E. The 1942 South Dakota hybrid corn yield test. South Dakota Agricultural Experiment Station Circular 45. 1943. 23 p.
10255. HUME, A. N. Corn families of South Dakota. South Dakota Agricultural Experiment Station Bulletin no. 186:112-135. 1919.
10256. _____ Crop yields over nineteen years from Highmore Experiment Farm. South Dakota Agricultural Experiment Station Bulletin 272. 1932. 67 p.
10257. _____, JOY, EDGAR & FRANZKE, CLIFFORD. Twenty-one years of crop yields from Cottonwood Experiment Farm. South Dakota Agricultural Experiment Station Bulletin no. 312. 1937. 79 p.
10258. KRATOCHVIL, D. E., SHANK, D. B. & BONNEMANN, J. L. South Dakota corn performance tests, 1957. North Dakota Agricultural Experiment Station Circular 139. 1958. 23 p.
10259. MANKE, KARL F. South Dakota corn performance tests, 1945. South Dakota Agricultural Experiment Station Circular 60. 1946. 18 p.
10260. _____ & GRAFIUS, J. E. South Dakota corn performance tests, 1944. South Dakota Agricultural Experiment Station Circular 55. 1945. 31 p.
10261. SMYTHE, L. T. & HOGLUND, C. R. Feed-grain price relationships in South Dakota. South Dakota Agricultural Experiment Station Bulletin 367. 1943. 19 p.
10262. SOUTH DAKOTA. AGRICULTURAL EXPERIMENT STATION. Annual reports ...
10263. WILLIS, CLIFFORD & POTTER, H. B. Corn. South Dakota Agricultural Experiment Station Bulletin no. 118: 611-642. 1910.

Tennessee

10264. MAYER, L. S. & STRAND, A. B. A hybrid sweet corn for Tennessee. Tennessee Agricultural Experiment Station Circular no. 75. 1941. 4 p.
10265. MOOERS, CHARLES A. Experiments with soils, fertilizers, and farm crops. Tennessee Agricultural Experiment Station Bulletin no. 86:33-88. 1909. Corn, pp. 52-60.
10266. _____ Fertility and crop experiments at the West Tennessee Station. Tennessee Agricultural Experiment Station Bulletin no. 109:213-244. 1914.
10267. _____ Stand and soil fertility as factors in the testing of varieties of corn. Tennessee Agricultural Experiment Station Bulletin no. 89:35-53. 1910.
10268. SOULE, ANDREW M. & VANATTER, PHARES O. Increasing the yield of corn. Tennessee Agricultural Experiment Station Bulletin 17(2):25-48. 1904.
10269. TENNESSEE. AGRICULTURAL EXPERIMENT STATION. Annual reports
...

Texas

10270. CONNELL, J. H. & CLAYTON, J. Field experiments at College Station with corn, cotton and forage plants. Texas Agricultural Experiment Station Bulletin no. 40:849-874. 1896.
10271. _____ & CLAYTON, J. Field experiments at McKinney, Wichita Falls, and College Station, with wheat, corn, cotton, grasses and manures. Texas Agricultural Experiment Station Bulletin no. 34:521-592. 1895.
10272. GUNDY, LAWRENCE J. & LAIR, JACK. Hybrid corn yield test, East Texas Field Station, Henderson, Texas. Renner, Texas Research Foundation. Corn Mimeograph no. 5. 1957. 5 p.

10273. GUNDY, LAWRENCE J. & TRUE, C. W. Corn yield tests,
Coastal Bend Field Station, Taft, Texas. Renner,
Texas Research Foundation Corn Mimeograph no. 6.
1957. 9 p.
10274. ROGERS, JOHN S. & COLLIER, JESSE W. Corn production in
Texas. Texas Agricultural Experiment Station
Bulletin 746. 1952. 74 p.
10275. TEXAS. AGRICULTURAL EXPERIMENT STATION. Annual reports ...
10276. WELBORN, W. C. Corn and cotton experiments for 1908.
Texas Agricultural Experiment Station Bulletin no. 120.
1909? 16 p.

Utah

10277. FUHRIMAN, WALTER U. & THOMAS, W. PRESTON. Business analysis
of farms in the Utah County, Utah. Utah Agricultural
Experiment Station Bulletin 289. 1939. 72 p.
10278. MORRISON, EARNEST M. Canning corn new cash crop for areas
of Utah; high yields, adequate acreage, efficient
utilization of labor important in profitable production.
Utah Agricultural Experiment Station Farm and Home
Science 11(4):76-77, 90. Dec. 1950.
10279. _____ & KEARL, WILLIS G. Cost and efficiency of producing
canning corn in Cache County, Utah, 1949. Utah Agri-
cultural Experiment Station Bulletin 348. 1951. 24 p.
10280. POLLARD, LEONARD H., BALLARD, J. C. & DRAPER, R. Corn for your
garden. Utah Agricultural Experiment Station Farm and
Home Science 17(2):33-34. June 1956.
10281. UTAH. AGRICULTURAL EXPERIMENT STATION. Annual reports ...
10282. WOODWARD, ROLLO W. & NIELSON, REX F. Hybrid corn trials in
Utah. Utah Agricultural Experiment Station Bulletin 367.
1954. 17 p.

Virginia

10283. BATTEN, E. T. & HUTCHESON, T. B. Experiments with lime, fertilizers, and varieties of field crops in the cotton and peanut section of Virginia. Virginia Agricultural Experiment Station Bulletin 284. 1932. 21 p.
10284. HUTCHESON, T. B. & BERGER, D. J. Experiments with bright tobacco and other crops grown on bright tobacco farms. Virginia Agricultural Experiment Station Bulletin 233. 1923. 19 p.
10285. LEWIS, W. W. Corn in Virginia. Virginia Polytechnic Institute, Agricultural Extension Service Circular 541, rev. 1958. (folded leaflet)
10286. McVICKAR, M. H. The 1943 Virginia corn performance tests. Virginia Agricultural Experiment Station Bulletin 358. 1944. 8 p.
10287. _____ The 1944 Virginia corn performance test. Virginia Agricultural Experiment Station Bulletin 365. 1944. 8 p.
10288. _____ & STARLING, T. M. The 1945 official Virginia varietal tests of corn hybrids, barley, oats, and wheat. Virginia Agricultural Experiment Station Bulletin 383. 1945. 16 p.
10289. NOURSE, D. O. Cooperative corn tests. Virginia Agricultural Experiment Station Bulletin no. 16:45-55. 1892.
10290. PETERSON, ARTHUR G. Historical study of prices received by producers of farm products in Virginia, 1801-1927. Virginia Agricultural Experiment Station Technical Bulletin 37. 1929. 218 p.
10291. SCHAAAL, WILBERT. Corn production comes home. What's New in Crops & Soils 2(8):22-23. June-July 1950.

10292. SHULKUM, E. D. & GENTER, C. F. Corn performance tests in Virginia in 1958. Virginia Agricultural Experiment Station Research Report no. 24. 1959. 36 p.
10293. SOULE, ANDREW M. & VANATTER, PHARES O. The improvement of corn. Virginia Agricultural Experiment Station Bulletin no. 165:89-185. 1907.
10294. VIRGINIA AGRICULTURAL EXPERIMENT STATION. Annual reports
...

Washington

10295. DOW, A. I. 1955 tests with corn and sorghum. Washington State College Extension Service Circular 260. 1956. 9 p.
10296. _____ 1956 tests with corn. Washington State College Extension Service Circular 269. 1956. 4 p.
10297. _____ 1957 tests with corn. Washington State College Extension Service Circular 287. 1957. 7 p.
10298. _____ 1958 tests with corn and sorghum. Washington State College Extension Service Circular 299. 1958. (folded leaflet) (Outlying Testing Report 17).
10299. MORRISON, K. J., NELSON, C. E. & VAN KEUREN, R. W. Growing corn in central irrigated Washington. Washington State College Extension Service Bulletin 481, rev. 1958. 7 p.
10300. WASHINGTON AGRICULTURAL EXPERIMENT STATION. Annual reports ...

West Virginia

10301. HALTIWANGER, W. L., FRIANT, R. J. & BOLYARD, V. L.
Results of hybrid corn yield trials in West Virginia,
1955. West Virginia Agricultural Experiment Station
Current Report no. 12. 1956. 10 p.
10302. JOHNSON, M. W. & OTHERS. Results of hybrid corn yield trials
in West Virginia, 1956. West Virginia Agricultural
Experiment Station Current Report no. 17. 1957. 6 p.
10303. WEST VIRGINIA AGRICULTURAL EXPERIMENT STATION. Annual
reports ...
10304. ZINN, L. GLENN. Four West Virginia veterans top 100-bushel
corn yield. Better Crops with Plant Food 33(2):25-26,
41-43. Feb. 1949.

Wisconsin

10305. CHAPMAN, C. J. Wisconsin tops the nation's 1953 average corn
yield. Better Crops with Plant Food 38(2):6-8, 45-48.
Feb. 1954.
10306. DELWICHE, E. J. Report on the Northern Sub-Stations for 1906.
Wisconsin Agricultural Experiment Station Bulletin no.
147. 1907. 48 p.
10307. FIELD CROP varieties in Wisconsin. Wisconsin College of
Agriculture Extension Service Circular 463. 1953. 7 p.
10308. MOORE, R. A. & DELWICHE, E. J. Grains and forage crops for
Northern Wisconsin. Wisconsin Agricultural Experiment
Station Bulletin no. 161. 1908. 23 p.
10309. NEAL, N. P. Two new sweet corn hybrids have been released by
Wisconsin. What's New in Crops & Soils 1(8):35.
June-July 1949.
10310. WISCONSIN AGRICULTURAL EXPERIMENT STATION. Annual reports ...

Wyoming

10311. THOMPSON, PAUL K. Corn production on the Campbell County Experiment Farm. Wyoming Agricultural Experiment Station Bulletin no. 223. 1937. 11 p.

10312. WYOMING. AGRICULTURAL EXPERIMENT STATION. Annual reports

...

Africa

10313. BRUYERE, R. Cereales d'altitude. Institut National pour l'Etude Agronomique du Congo Belge (I.N.E.A.C.) Bulletin d'Information 7(1):53-65. Feb. 1958. Mais, pp. 53-56.

10314. BURTON, G. J. L. & MAHER, COLIN. Improvement of maize yields in Kenya Colony; a discussion of the plant-populations of maize on some fields and plots in 1930, with advice to maize growers. Kenya Colony and Protectorate Department of Agriculture Bulletin no. 6. 1931. 45 p.

10315. CAMERON, J. F. & OTHERS. Pilot-scale crop costings on groundnuts, sorghum, and maize at Urambo Experimental Station, Tanganyika Territory, 1949-50. Empire Journal of Experimental Agriculture 19(76): 265-274. Oct. 1951.

10316. CHEVALIER, A. Travaux du Congres des Riz et des Mais des Colonies francaises. Revue de Botanique Appliquee et d'Agriculture Tropicale 19(219):790-801. Nov. 1939.

10317. CORBY, H. D. L. Experiments in growing maize on sandveld soils. Rhodesia Agricultural Journal 54(2):129-172. Mar.-April 1957.
10318. GLOVER, J. The relationship between total seasonal rainfall and yield of maize in the Kenya Highlands. Journal of Agricultural Science 49(3):285-290. Oct. 1957.
10319. HANSFORD, C. G. Maize. In Tothill, J. D. Agriculture in Uganda. Oxford, Oxford University Press, 1940. pp. 149-150.
10320. HEMINGWAY, J. S. Effects of population density on yield of maize. East African Agricultural Journal 22(4):199-202. April 1957.
10321. LAUBSCHER, F. X. & OTHERS. Maize variety trials in the Highveld Region. Farming in South Africa 29(335):129-133, 143. Feb. 1954.
10322. LUNAN, M. & WEIR, J. Maize-growing at Ismani, Iringa, Tanganyika. East African Agricultural Journal 20(2):92-93. Oct. 1954.
10323. McLOUGHLIN, D. E. Summary of annual report of the Chief Agriculturist for the year ended 31st December, 1948. Rhodesia Agricultural Journal 46(4):250-256. July-Aug. 1949. Maize, pp. 250-253, 255, 256.
10324. MAHER, COLIN. Maize in Kenya. Tropical Agriculture (Trinidad) 9(3):72-78. Mar. 1932.
10325. MAINTENANCE OF soil fertility in native maize areas in Northern Rhodesia. (Abstract) Tropical Agriculture (Trinidad) 22(6):99. June 1945.
10326. MARCHAND, G. LE. Note sur la necessite de l'organisation de la production du mais chez l'indigene. In Comptes Rendus de la Semaine Agricole de Yangambi (du 26 fevrier au 5 mars 1947). Bruxelles, Institut National pour l'Etude Agronomique du Congo Belge, 1947. t. 1, pp. 393-397. (Hors Serie, 1947)
10327. MIRACLE, MARVIN P. Maize in tropical African agriculture. Tropical Agriculture (Trinidad) 35(1):1-15. Jan. 1958.

10328. MOREL, G. Le mais en Doukkala. *Terre Marocaine* 32(342): 175-177. Mai 1958.
10329. SAUNDERS, A. R. & LAUBSCHER, F. X. Field experiments at Potchefstroom; a summary of investigations conducted during the period 1940-1945. South Africa Department of Agriculture Science Bulletin no. 246. 1945. 57 p. Maize, pp. 6-7, 15-25.
10330. SEYDEL, C. La culture du mais au Katanga. *Bulletin Agricole du Congo Belge* 18(3):444-446. Sept. 1927.
10331. SOUTH AFRICAN maize. *Tropical Agriculture (Trinidad)* 6(5):134. May 1929.
10332. STANTON, W. R. Factors affecting the yield of maize in West Africa. In West African Maize Rust Research Unit. First annual report, 1953. Ibadan, Nigeria, 1954. pp. 32-40.
10333. TISSOT, P. Situation actuelle du mais dans le monde; position de la France et des Colonies francaises. *Revue de Botanique Appliquee et d'Agriculture Tropicale* 19(213): 322-332; (214): 421-427. May, June 1939.
10334. TOIT, J. J. DU. The production of maize. *Farming in South Africa* 22(260):849-856, 862. Nov. 1947.
10335. TOMLINSON, F. R. The economics of peanut and maize production on the Springbok Flats. South Africa. Department of Agriculture and Forestry, Division of Economics and Markets Bulletin no. 196. 1938. 152 p. (Economic Series no. 27)
10336. WEST AFRICAN MAIZE RESEARCH UNIT. Review of research for the period January 1955 - December 1957. Ibadan, Nigeria, Federal Department of Agricultural Research, 1958? 50 p. (mimeographed)
10337. WET, J. D. DE & VUREN, J. P. J. VAN. Increase the maize yield per morgen. *Farming in South Africa* 26(304): 231-235. July 1951.

The Antilles
(Las Antillas)

Cuba, Haiti, Puerto Rico, Jamaica, Dominican Republic, Trinidad

10338. BRADLEY, WILLIAM G. & MUHR, GILBERT R. El cultivo del maiz. Hacienda 49(9):41-43. Sept. 1954.
10339. CONDE THILLET, MARIO L. El cultivo del maiz en Puerto Rico. Revista de Agricultura de Puerto Rico 37(2):145-147. Abril-Junio 1946.
10340. CUETO ROBAINA, ISMAEL. Los hibridos de maiz obtenidos en Cuba promedian los mayores rendimientos en ocho repúblicas hispano americanas. Agrotecnia (Cuba) no. 13:78-79. Mayo-Junio 1958.
10341. DEL VALLE, C. G. Metodos empleados en el desarrollo de una variedad nueva de maiz blanco en Cuba. En Asamblea Latinoamericana de Fitogenetistas, 1a, Mexico, D. F., 1949. Trabajos presentados. Mexico, Secretaria de Agricultura y Ganaderia, Oficina de Estudios Especiales, Folleto Miscelaneo no. 3. 1950. pp. 150-154.
10342. _____ & GATO, E. HIDALGO. Variedades cubanas: el maiz de Rosita. Agrotecnia (Cuba) 3(3):11-20. Junio-Julio 1949.
10343. ESCHENWALD, A., ORTIZ LUGO, C. & GONZALEZ CHAPEL, A. La produccion comercial del maiz en Puerto Rico. Revista del Cafe (Puerto Rico) 13(8):7-8, 10, 12. Mayo 1958.
10344. _____, ORTIZ LUGO, C. & GONZALEZ CHAPEL, A. La produccion comercial del maiz en Puerto Rico. Puerto Rico (Rio Piedras) Estacion Experimental Agricola, Boletin 134. 1956. 15 p.
10345. HATHEWAY, WILLIAM H. Races of maize in Cuba. Washington, D. C., National Academy of Sciences, National Research Council, 1957. 75 p. (Publication 453)

10346. HEWITT, C. W. Profitable production of corn in Jamaica. Jamaica Department of Agriculture Extension Circular no. 53. 1954. 7 p. Also appears in: Farmer(Jamaica) 58(5-6):46-51. May-June 1954.
10347. LARTER, L. N. H. Maize population and yield in Jamaica. Tropical Agriculture (Trinidad) 24(1-3):19-27. Jan.-Mar. 1947.
10348. MITCHELL, W. K. Growing corn on "red dirt" soils. Jamaica Department of Agriculture Extension Circular no. 33. 1949. 7 p.
10349. MEJORAMIENTO DE la produccion del maiz. El Campo (Cuba) 9(11):33-41. Nov. 1957.
10350. MEJORAS EN el cultivo del maiz. El Campo (Cuba) 5(6):47-48. Abril 1954.
10351. POEY, FEDERICO. El cultivo del maiz en Cuba. Habana, Semillas Poey, S. A., 1957. 26 p.
10352. RESULTADO DEL empleo de variedades cubanas de maiz en otros paises latinoamericanos. Agrotecnia (Cuba) 2(6):392-393. Junio 1948.
10353. RIOLLANO, ARTURO. El cultivo del maiz dulce en Puerto Rico. Revista de Agricultura de Puerto Rico 29(2):378-381. Oct.-Dic. 1937.
10354. ROA, E. Una variedad cubana de maiz se esta sembrando en Peru y Bolivia con magnificos resultados. Agrotecnia (Cuba) 8:84-86. Sept.-Dic. 1953.
10355. SHIDELER, FRANK J. Cuban yellow corn in Bolivia. Foreign Agriculture 17(11-12):210-211. Nov.-Dec. 1953.
10356. _____ El maiz amarillo cubano. Revista de Agricultura (Cuba) 37(2):60-64. Mar.-Agosto 1954.
10357. TRINIDAD & TOBAGO. DEPARTMENT OF AGRICULTURE. Notes on vegetables growing in Trinidad. Agricultural Society of Trinidad & Tobago. Journal 54(3):356-394. Sept. 1954.
Corn, pp. 377-379. Published also as Bulletin no. 7 (New Series) of the Department of Agriculture of Trinidad & Tobago. 1954. 42 p. Corn, pp. 25-27.

10358. VICTOR, ROGER & FERGUSON, CARL E. Rapport preliminaire sur l'essai de variete de maïs. Damien, Haïti, Department of Agriculture, 1958. 7 p. (Rapport no. 4: Projet "Femme de Damien" SACT-DGA)

Asia and Oceania
(Asia y Oceania)

Australia, India, Indonesia, Philippines

10359. ARVIER, A. C. & PINK, H. S. Maize-growing in the South Burnett. Queensland Agricultural Journal 75(5): 275-287. Nov. 1952.
10360. AUCHINLECK, G. G. The improvement of maize by selection. Mauritius Department of Agriculture Bulletin no. 8 (General Series). 1917. 15 p.
10361. BHATNAGAR, P. S. & VERMA, G. Spacing experiment with maize in Uttar Pradesh. Indian Journal of Agricultural Science 27(3):251-258. Sept. 1957.
10362. BRUNSON, ARTHUR M. & ESCARLOS, JOSE D. Sweet corn in the Philippines. Philippine Agriculturist 39(9):528-534. Feb. 1956.
10363. BRYAN, W. W., MARRIOTT, S. & SCHINDLER, A. J. Maize varieties for the Lockyer Valley, Part II. Queensland Agricultural Journal 55(3):193-202. Mar. 1941.
10364. DECLARO, GONZALO D. & DURAN, VICENTE A. Comparative study on growth and yield of Cuban and Calamba yellow flint corn under A.I.A.* conditions. Araneta Journal of Agriculture 5(2):37-64. April-June 1958.
* Araneta Institute of Agriculture

10365. GOOR, G. A. VAN DER. Agronomic research on maize in Indonesia. Indonesia General Agricultural Research Station, Bogor. Contribution no. 135. 1953. 72 p.
10366. HASSELL, O. L. Maize growing on the Atherton Tableland. Queensland Agricultural Journal 40(4):324-326. Oct. 1933.
10367. KERLE, W. D. Maize. New South Wales Department of Agriculture Rural Industries Leaflet no. 11. 1940. 10 p.
10368. KULESHOV, N. N. Some peculiarities of maize in Asia. Missouri Botanical Garden. Annals 41(3):271-299. Sept. 1954.
Translated by Harold J. Kidd & Howard C. Reynolds.
10369. McKEON, C. J. Growing maize for grain. Queensland Agricultural Journal 59(1):5-14. July 1944.
10370. _____ The maize industry in Queensland. Queensland Agricultural Journal 38(3):283-289. Sept. 1932.
10371. _____ Notes on maize culture. Queensland Agricultural Journal 40(1):46-48. July 1933.
10372. _____ Seed maize improvement. Queensland Agricultural Journal 34(5):532-535. Nov. 1930.
10373. McMILLAN, J. R. A. & BRYAN, W. W. Maize varieties for the Lockyer Valley. Queensland Agricultural Journal 41(2):174-183. Feb. 1934.
10374. MELHUS, IRVING E. & JACKSON, R. I. Corn growing in Indonesia and some suggestions for increasing production. Landbouw (Java) 24(7-12):361-392. July-Dec. 1952.
10375. NEZAMUDDIN, S. & PRASAD, L. K. Spacing experiment on maize yield in Bihar. Allahabad Farmer 32(5):159-167. Sept. 1958.
10376. NORMAN, R. J. Maize investigations at the Ayr Regional Experiment Station. Queensland Agricultural Journal 81(5):249-254. Nov. 1955.

10377. POLAK, B. & SPRAPTOHARDJO, M. Pot and field experiments with maize on acid forest peat from Borneo. Indonesia General Agricultural Research Station. Contribution no. 125. 1951. 17 p.
10378. ROELOFSEN, B. Mais en maiscultuur in Indonesie. Indonesia General Agricultural Research Station. Contribution no. 142. 1956. 101 p.
English summary.
10379. RYAN, F. E. Maize for fodder or grain. Western Australia. Journal of Agriculture 7(2):169-171. Mar.-April 1958.
10380. _____ Maize grain trial, Denmark Research Station. Western Australia. Journal of Agriculture (Third series) 4(1):71-74. Jan.-Feb. 1955.
10381. SANTOS, IBARRA S. An evaluation of Cuban corn as a source of genetic diversity for Philippine hybrids. Philippine Agriculturist 41(7):378-391. Dec. 1957.
10382. SEN, S. & KAVITKAR, A. G. Statistical studies of the crop yield data of the Pusa Permanent Manuriel Experiments (New series). I. Study of maize yields. Indian Journal of Agricultural Science 26(1):105-129. Mar. 1956.
10383. STEELE, W. G., ROSSER, J. & WALSH, S. R. Maize growing on the Atherton Tableland. Queensland Agricultural Journal 81(2):63-78. Aug, 1955.
10384. STEPHENS, S. E. Vegetable growing in North Queensland. Queensland Agricultural Journal 59(4):214-216. Oct. 1944.
Sweet corn, p.216.
10385. UICHANCO, L. B. A history of rice and corn improvement in the Philippines. Philippine Agriculturist 36(6):283-289. Nov. 1952.
10386. WALKER, C. Maize growing for grain. New Zealand Department of Agriculture Bulletin no. 269. 1946. 27 p.
10387. WINDERS, C. W. Sown pastures and their management. Queensland Agricultural Journal 48(5):567-596. Nov. 1937.
Zea mays L., pp. 573-574.

Europe
(Europa)

10388. ANGLADETTE, A. Le maïs dans les territoires de la France d'outre-mer; situation actuelle et avenir de la production. *Agronomie Tropicale* 5(7-8):406-412. Juil-Aout. 1950.
10389. BECKER, W. R. Hybrid maize in Holland. *World Crops* 4(9):304-307. Sept. 1952.
10390. BOCETA, VICENTE. Siete años de trabajos selectivos en maíces. Espana. Instituto Nacional de Investigaciones Agronomicas. *Boletin* 10(22):107-157. Junio 1950.
10391. BUNTING, E. S. & BLACKMAN, G. E. An assessment of the factors controlling the productivity of maize in England. *Journal of Agricultural Science* 41(3):271-281. July 1951.
10392. ESPANA. INSTITUTO NACIONAL PARA LA PRODUCCION DE SEMILLAS SELECTAS. Ensayos con maíces hibridos americanos. Espana. Ministerio de Agricultura. *Boletin de Informacion* 3(17):31-32; (22):26-28; (23):41-43; 4(27):41-43. Feb., Oct., Nov.-Dic. 1950, Mayo 1951.
10393. FENAROLI, L. Technical problems of corn growing in Italy. *Euphytica* 7(3):228-236. Oct. 1958.
10394. JONES, JOHN L. Corn and horn on the Wiltshire Downs. *Agriculture (England)* 62(8):380-382. Nov. 1955.
10395. LE MAIS DANS les colonies francaises. *L'Agronomie Coloniale* 28(257):151-152. Mai 1939.
10396. MEEBERG, M. V. O. El cultivo del maiz en Holanda. *Tierra (Mexico)* 7(12):842-843. Dic. 1952.
10397. REY, HENRY. El cultivo del maiz en Francia. *Asociacion Rural del Uruguay. Revista* 84(4):178-180. Abril 1956.
10398. RUTTER, FRANK R. Cereal production of Europe. U. S. Department of Agriculture. Bureau of Statistics Bulletin 68. 1908. 100 p.

10399. SABNIS, T., PHATAK, M. & DAS, MAYA. Culture et production du mais aux Indes anglaises. Revue de Botanique Appliquee et d'Agriculture Tropicale 19(211):210-212. Mar. 1939.
10400. SILOW, R. A. Assessment of the contribution which hybrid maize is making to increased grain production in Europe and the Mediterranean region. In FAO Hybrid Maize Meeting, 6th., Lisbon, Portugal, 9-14 February, 1953.

Central America and Mexico *
(America Central y Mexico) *

10401. MELHUS, IRVING E. & OTHERS. Comparative development of some United States, Mexican and Central American corns at different latitudes and altitudes. (Abstract) American Journal of Botany 33(3):220-221. Mar. 1946.
10402. REYES CASTANEDA, PEDRO. Datos regionales en el Programa Cooperativo Centro-Americanico durante los ciclos 1950-1951. En Reunion Centroamericana sobre el Mejoramiento del Maiz, la, Turrialba, C. R., 1954. Proyecto Cooperativo Centroamericano. Turrialba, C. R., Instituto Inter-americano de Ciencias Agricolas, 1954. pp. 247-253.
10403. ROCKEFELLER FOUNDATION. Central American Cooperative Corn Improvement Project: Director's annual report, 1956. New York, 1957. 29 p.
10404. WELLHAUSEN, E. J. & OTHERS. Razas de maiz en la America Central. Mexico, D. F., Secretaria de Agricultura y Ganaderia, Oficina de Estudios Especiales, Folleto Tecnico no. 31. 1958. 138 p.
English summary.

* Entries for Mexico appear on page 966.

* Las referencias sobre Mexico aparecen en la pagina 966.

Costa Rica

10405. CARBALLO QUIROS, ALFREDO. El mejoramiento de nuestros maices. Suelo Tico 4(21-22):248-250. Julio-Oct. 1950.
10406. GUTIERREZ GUTIERREZ, MARIO. Consideraciones generales y experimentacion preliminar sobre el cultivo y mejoramiento del maiz en la zona atlantica de Costa Rica, con especial referencia al volcanamiento producido por Diabrotica spp. Tesis de Ing. Agr. San Jose, C. R., Universidad de Costa Rica, Facultad de Agronomia, 1946. 48 p. (mecanografiado)
Publicado en: Revista de Agricultura (Costa Rica) 19(1):5-7, 9-11; (2):53-57, 59-61; (4):151, 153-155, 157. Enero, Feb., Abril 1947.
10407. _____ Rendimiento y comportamiento agronomico de variedades de maiz probadas en 1953 y 1954 en el Instituto Interamericano de Ciencias Agricolas, Turrialba, Costa Rica, C. A. En Reunion Centroamericana sobre el Mejoramiento del Maiz, 1a, Turrialba, C. R., 1954. Proyecto Cooperativo Centroamericano. Turrialba, C. R., Instituto Interamericano de Ciencias Agricolas, 1954. pp. 233-241.
10408. LAAT, J. E. VAN DER. El maiz. Costa Rica, Departamento de Agricultura. Publicacion 11. 1915. 30 p.
10409. MURILLO ESQUIVEL, NAPOLEON. El problema del maiz en Costa Rica y medidas practicas para resolverlo. Suelo Tico 1(1):55-57. Agosto 1948.
10410. ORTIZ G., GERMAN. Estudio comparativo de tres cultivos de clima frio: maiz, papas, trigo. Suelo Tico 1(3):257-261. Oct. 1948.
10411. PRODUCCION DE maiz, arroz y frijoles en Costa Rica. Revista de Agricultura (Costa Rica) 27(9):374. Sept. 1955.
10412. SALAS, CARLOS A. Informe de Costa Rica. En Reunion Centroamericana sobre Mejoramiento del Maiz, 3a, Antigua, Guatemala, 1956. Proyecto Cooperativo Centroamericano. Turrialba, C. R., Instituto Interamericano de Ciencias Agricolas, 1956. pp. 60-60b, 69-69b.

10413. SALAS, CARLOS A. Mejoramiento de maiz en Costa Rica. En Reunion Centroamericana sobre Mejoramiento del Maiz, 3a, Antigua, Guatemala, 1956. Proyecto Cooperativo Centroamericano. Turrialba, C. R., Instituto Interamericano de Ciencias Agricolas, 1956. pp. 38-39.
10414. SALAZAR, ANGEL. Resultados de los ensayos uniformes de rendimiento en maiz. En Reunion Centroamericana sobre Mejoramiento del Maiz, 1a, Turrialba, C. R., 1954. Proyecto Cooperativo Centroamericano. Turrialba, C. R., Instituto Interamericano de Ciencias Agricolas, 1954. pp. 107-109.

Guatemala

10415. ANDERSON, EDGAR. Field studies of Guatemalan maize. Missouri Botanical Garden. Annals 34:433-467. Nov. 1947.
10416. ARELLANO BONILLA, ROBERTO. El maiz amarillo dorado de Tiquisate; informe sobre el primer ensayo de cultivo del maiz, totalmente mecanizado, hecho en la costa sur de Guatemala por el Instituto de Fomento de la Produccion. Chacra (Argentina) 22(254):10-11. Enero 1952.
10417. ARRIVILLAGA, J. F. Descripcion del cultivo del maiz en Guatemala. Guatemala Agricola 2(23):140-152. Marzo 1929.
10418. BARGER, E. L. La mecanizacion del maiz en Guatemala. Implementos y Tractores 1(2):16-17, 49-51. Abril 1952.
10419. BARRIOS, MARCIAL. El cultivo del maiz en la Zona Media. En Guatemala. Ministerio de Agricultura, Servicio Cooperativo Interamericano de Agricultura. Maiz para Guatemala; reporte anual para 1956, Seccion: "Mejoramiento de Maiz. "La Aurora", 1957? pp. 14-17.

10420. FUENTES O., ALEJANDRO. El cultivo del maiz en la zona fria. En Guatemala. Ministerio de Agricultura, Servicio Cooperativo Interamericano de Agricultura. Maiz para Guatemala; reporte anual para 1956, Seccion: Mejoramiento de Maiz. "La Aurora", 1957? pp. 18-30.
10421. _____ Mejoramiento de maiz en Guatemala. En Reunion Centroamericana sobre Mejoramiento del Maiz, 3a, Antigua, Guatemala, 1956. Proyecto Cooperativo Centroamericano. Turrialba, C. R., Instituto Interamericano de Ciencias Agricolas, 1956. pp. 20-25.
10422. _____ Observaciones sobre el clima, geografia y demas factores en relacion al cultivo de maiz en Guatemala. En Reunion Centroamericana sobre el Mejoramiento del Maiz, 1a, Turrialba, C. R., 1954. Proyecto Cooperativo Centroamericano. Turrialba, C. R., Instituto Interamericano de Ciencias Agricolas, 1954. pp. 75-84.
10423. GARCIA SALAS, ENRIQUE. Some problems of mechanized maize production in Guatemala. Iowa Agricultural Experiment Station Research Bulletin no. 371:585-594. 1949.
Resumen en espanol de este articulo bajo el titulo "Algunos problemas del cultivo mecanizado del maiz en Guatemala" aparece en el mismo boletin, pp. 594-597.
10424. GREEN, JOHN M. Climatic races in Guatemalan maize. Iowa State College. Journal of Science 33(2):185-198. Nov. 1958.
10425. GRUCHY, JOHN J. El mejoramiento del maiz en Guatemala. Guatemala, C. A., Direccion de Agricultura, 1939. 11 p.
10426. GUATEMALA. DIRECCION GENERAL DE AGRICULTURA. El cultivo del maiz; seleccion de semillas. 3a ed. Guatemala, C. A., 1940. 4 p.
10427. _____ DIRECCION GENERAL DE ESTADISTICA. Maiz; contribucion estatistica para el estudio del maiz. Guatemala, C. A., 1951. 34 p.

10428. GUATEMALA. MINISTERIO DE AGRICULTURA. SERVICIO COOPERATIVO INTERAMERICANO DE AGRICULTURA (SCIDA). Informe anual, 1956. Guatemala, C. A., 1957? 144 p. Maiz, pp. 89-93.
10429. _____ Maiz para Guatemala; reporte anual para 1956 Seccion: Mejoramiento de Maiz. "La Aurora", 1957? 266 p.
10430. _____ Reporte de las actividades de la Seccion de Mejoramiento de Maiz del 1o de Enero al 31 de Diciembre de 1955. Guatemala, C. A., 1956? 273 p. Por W. C. Paddock y otros.
10431. IOWA EXPERIMENTS with Guatemalan corn. Seed World 64(5): 60-61. Mar. 1949.
10432. MELHUS, IRVING E., SEMENIUK, G. & WALLIN, J. R. The influence of climate on distribution of corns in Guatemala. (Abstract) American Journal of Botany 33(10):825. Dec. 1946.
10433. _____, WALLIN, J. R. & SEMENIUK, G. A summary of some of the maize researches in Guatemala. Iowa Agricultural Experiment Station Research Bulletin no. 371: 539-570. 1949. Resumen en espanol, pp. 567-570.
10434. _____ & OTROS. Produccion y conservacion de maiz en Guatemala. Guatemala, Instituto de Fomento de la Produccion, Serie Popular no. 1. 1952. 45 p.
10435. MOLINA V., JOSE V. El maiz y su cultivo; estudio publicado en anos anteriores. Guatemala Agricola 2(23):160-177. Marzo 1929.
10436. QUINTANA, FRANCISCO A. El maiz, enemigo del suelo de Guatemala. AGA; (Asociacion General de Agricultores, Guatemala) 2(5):10, 22. Oct. 1958.
10437. SANCHEZ, SALVADOR. Ensayos intensivos de rendimiento. En Guatemala. Ministerio de Agricultura, Servicio Cooperativo Interamericano de Agricultura. Maiz para Guatemala; reporte anual para 1956, Seccion: Mejoramiento de Maiz. "La Aurora", 1957? pp. 61-70.

10438. SANDOVAL, A. ANTONIO. El cultivo del maiz en la Costa del Pacifico. En Guatemala. Ministerio de Agricultura, Servicio Cooperativo Centroamericano de Agricultura. Maiz para Guatemala; reporte anual para 1956, Seccion: Mejoramiento de Maiz. "La Aurora", 1957? pp. 7-13.
10439. _____ Informe de Guatemala. En Reunion Centroamericana sobre Mejoramiento del Maiz, 3a, Antigua, Guatemala, 1956. Proyecto Cooperativo Centroamericano. Turrialba, C. R., Instituto Interamericano de Ciencias Agricolas, 1956. pp. 54-54h.
10440. SIERRA, H. M. Corn in Guatemala. Iowa Agricultural Experiment Station Research Bulletin no. 371:509-512. 1949.
Resumen en espanol, p. 512.
10441. STADELMAN, RAYMOND. Maize cultivation in northwestern Guatemala. Carnegie Institution of Washington Publication no. 523:83-263. 1940. (Contributions to American Anthropology and History, no. 33).

Honduras

10442. APODACA, ANACLETO. Maiz para Honduras. Honduras, Servicio Tecnico Interamericano de Cooperacion Agricola (STICA) Circular no. 2. 1952. 16 p.
10443. CASON, RAYMOND G. Maicillo para Honduras. Honduras, Servicio Tecnico Interamericano de Cooperacion Agricola (STICA) Circular no. 12. 1953. 15 p.
10444. ESCOTO, EDGARDO. Informe de Honduras. En Reunion Centroamericana sobre Mejoramiento del Maiz, 3a, Antigua, Guatemala, 1956. Proyecto Cooperativo Centroamericano. Turrialba, C. R., Instituto Interamericano de Ciencias Agricolas, 1956. pp. 57-57c.

10445. ESCOTO, EDGARDO. Mejoramiento de maiz en Honduras. En Reunion Centroamericana sobre Mejoramiento del Maiz, 3a, Antigua, Guatemala, 1956. Proyecto Cooperativo Centroamericano. Turrialba, C. R., Instituto Interamericano de Ciencias Agricolas, 1956. p. 32.
10446. MERINO ARGUETA, JESUS. Prueba de variedades y cruzas de maiz. En Reunion Centroamericana sobre Mejoramiento del Maiz, 1a, Turrialba, C. R., 1954. Proyecto Cooperativo Centroamericano. Turrialba, C. R., Instituto Interamericano de Ciencias Agricolas, 1954. pp. 243-246.
10447. MOLINA H., EUGENIO. Condiciones generales de la produccion de maiz en Honduras. En Reunion Centroamericana sobre el Mejoramiento del Maiz, 1a, Turrialba, C. R., 1954. Proyecto Cooperativo Centroamericano. Turrialba, C. R., Instituto Interamericano de Ciencias Agricolas, 1954. pp. 61-64.
10448. ORDONEZ, SALOMON. El mejoramiento del maiz en Honduras. Agricultura (Honduras) no. 25:5-7. Julio 1955.
10449. RESULTADOS DEL ensayo amarillo uniforme de rendimiento Choluteca, Honduras, 1954. En Reunion Centroamericana sobre el Mejoramiento del Maiz, 1a, Turrialba, C. R., 1954. Proyecto Cooperativo Centroamericano. Turrialba, C. R., Instituto Interamericano de Ciencias Agricolas, 1954. p. 116,
10450. RESULTADOS DEL ensayo amarillo uniforme de rendimiento Comayagua, Honduras, 1954. En Reunion Centroamericana sobre el Mejoramiento del Maiz, 1a, Turrialba, C. R., 1954. Proyecto Cooperativo Centroamericano. Turrialba, C. R., Instituto Interamericano de Ciencias Agricolas, 1954. p. 121.
10451. RESULTADOS DEL ensayo blanco uniforme de rendimiento Choluteca, Honduras, 1954. En Reunion Centroamericana sobre el Mejoramiento del Maiz, 1a, Turrialba, C. R., 1954. Proyecto Cooperativo Centroamericano. Turrialba, C. R., Instituto Interamericano de Ciencias Agricolas, 1954. pp. 117-118.

10452. RESULTADOS DEL ensayo blanco uniforme de rendimiento
Comayagua, Honduras, 1954. En Reunion Centroameri-
cana sobre el Mejoramiento del Maiz, 1a, Turrialba,
C. R., 1954. Proyecto Cooperativo Centroamericano.
Turrialba, C. R., Instituto Interamericano de
Ciencias Agricolas, 1954. pp. 119-120.

Nicaragua

10453. LITZENBERGER, S. C. & PINEDA, CARLOS R. Progreso de las
investigaciones sobre las practicas culturales para
los cultivos del maiz, arroz, sorgos para granos y
ajonjoli en la Costa del Pacifico de Nicaragua.
Nicaragua, Ministerio de Agricultura y Ganaderia,
Servicio Tecnico Agricola (STAN) Boletin no. 2.
1954. 15 p.
10454. _____ & OTROS. Recomendaciones agronomicas generales
para los cultivos de Nicaragua. Nicaragua,
Ministerio de Agricultura y Ganaderia, Servicio
Tecnico Agricola (STAN) Circular no. 23. 1955. 69 p.
Maiz, pp. 54-61.
10455. _____ & OTROS. Variedades de cultivos agronomicos
recomendadas para Nicaragua y algunas sugerencias para
sus siembras. Nicaragua, Ministerio de Agricultura y
Ganaderia, Servicio Tecnico Agricola (STAN) Circular 9.
1953. 32 p.
10456. MORENO, SINFORIANO. Informe de Nicaragua. En Reunion
Centroamericana sobre Mejoramiento del Maiz, 3a, Antigua,
Guatemala, 1956. Proyecto Cooperativo Centroamericano.
Turrialba, C. R., Instituto Interamericano de Ciencias
Agricolas, 1956. pp. 67-68d.

10457. RESULTADOS DEL ensayo amarillo uniforme de rendimiento Chinandega, Nicaragua, 1954. En Reunion Centroamericana sobre el Mejoramiento del Maiz, 1a, Turrialba, C. R., 1954. Proyecto Cooperativo Centroamericano. Turrialba, C. R., Instituto Interamericano de Ciencias Agricolas, 1954. p. 115.
10458. RESULTADOS DEL ensayo amarillo, Managua, Nicaragua, 1954. En Reunion Centroamericana sobre el Mejoramiento del Maiz, 1a, Turrialba, C. R., 1954. Proyecto Cooperativo Centroamericano. Turrialba, C. R., Instituto Interamericano de Ciencias Agricolas, 1954. p. 114.
10459. RESULTADOS DEL ensayo blanco uniforme de rendimiento Chinandega, Nicaragua, 1954. En Reunion Centroamericana sobre el Mejoramiento del Maiz, 1a, Turrialba, C. R., 1954. Proyecto Cooperativo Centroamericano. Turrialba, C. R., Instituto Interamericano de Ciencias Agricolas, 1954. pp. 112-113.
10460. RESULTADOS DEL ensayo blanco uniforme de rendimiento Managua, Nicaragua, 1954. En Reunion Centroamericana sobre el Mejoramiento del Maiz, 1a, Turrialba, C. R., 1954. Proyecto Cooperativo Centroamericano. Turrialba, C. R., Instituto Interamericano de Ciencias Agricolas, 1954. pp. 110-111.
10461. SALAZAR, ANGEL. Informe de Nicaragua. En Reunion Centroamericana sobre Mejoramiento del Maiz, 3a, Antigua, Guatemala, 1956. Proyecto Cooperativo Centroamericano. Turrialba, C. R., Instituto Interamericano de Ciencias Agricolas, 1956. pp. 58-59f.
10462. Mejoramiento de maiz en Nicaragua. En Reunion Centroamericana sobre Mejoramiento del Maiz, 3a, Antigua, Guatemala, 1956. Proyecto Cooperativo Centroamericano. Turrialba, C. R., Instituto Interamericano de Ciencias Agricolas, 1956. pp. 33-37.

10463. SALAZAR, ANGEL. Resumen de los trabajos experimentales realizados con maiz en los ultimos cinco anos en Nicaragua. En Reunion Centroamericana sobre Mejoramiento del Maiz, 3a, Antigua, Guatemala, 1956. Proyecto Cooperativo Centroamericano. Turrialba, C. R., Instituto Interamericano de Ciencias Agricolas, 1956. pp. 144-154.
10464. _____ & LITZENBERGER, S. C. Maices recomendados para sembrar en 1956. Nicaragua, Ministerio de Agricultura y Ganaderia, Servicio Tecnico Agricola (STAN) Resumen Informativo, 1956. pp. 1-3.

El Salvador

10465. BERRIOS MENDOZA, ANTONIO. Maize production in El Salvador. Iowa Agricultural Experiment Station Research Bulletin no. 371:517-523. 1949.
Resumen en espanol, pp. 524-525.
10466. LEWY VAN SEVEREN, MARIO. Mejoramiento de maiz en El Salvador. En Reunion Centroamericana sobre Mejoramiento del Maiz, 3a, Antigua, Guatemala, 1956. Proyecto Cooperativo Centroamericano. Turrialba, C. R., Instituto Interamericano de Ciencias Agricolas, 1956. pp. 26-31.
10467. LOPEZ, MARIO. Informe de El Salvador. En Reunion Centroamericana sobre Mejoramiento del Maiz, 3a, Antigua, Guatemala, 1956. Proyecto Cooperativo Centroamericano. Turrialba, C. R., Instituto Interamericano de Ciencias Agricolas, 1956. p. 66.
10468. MERINO ARGUETA, JESUS. Informe de El Salvador. En Reunion Centroamericana sobre Mejoramiento del Maiz, 3a, Antigua, Guatemala, 1956. Proyecto Cooperativo Centroamericano. Turrialba, C. R. Instituto Interamericano de Ciencias Agricolas, 1956. pp. 55-56c.

10469. MONTES UMANA, EDUARDO. Fechas de siembra en El Salvador.
En Reunion Centroamericana sobre el Mejoramiento del Maiz, 1a, Turrialba, C. R., 1954. Proyecto Cooperativo Centroamericano. Turrialba, C. R., Instituto Interamericano de Ciencias Agricolas, 1954. pp. 287-288.
10470. _____ Preparacion del suelo para maiz en El Salvador.
En Reunion Centroamericana sobre el Mejoramiento del Maiz, 1a, Turrialba, C. R., 1954. Proyecto Cooperativo Centroamericano. Turrialba, C. R., Instituto Interamericano de Ciencias Agricolas, 1954. pp. 285-286.
10471. _____ Problemas en las limitaciones de produccion de maiz en El Salvador. En Reunion Centroamericana sobre el Mejoramiento del Maiz, 1a, Turrialba, C. R., 1954. Proyecto Cooperativo Centroamericano. Turrialba, C. R., Instituto Interamericano de Ciencias Agricolas, 1954. pp. 64-75.
10472. OLIVE, FLOYD R. & MERINO ARGUETA, J. Mejores variedades y practicas de cultivo del maiz para El Salvador.
El Salvador, Centro Nacional de Agronomia, Boletin Tecnico no. 2. 1951. 24 p.
10473. WATKINS, JAMES M. Cropping practices in El Salvador; every country has customs peculiar to its own agriculture; the sharp contrast between the rainy and dry season creates some interesting cropping practices in El Salvador. Agriculture in the Americas 5(9):173-175. Sept. 1945.
10474. _____ Produccion de maiz en El Salvador. El Salvador, Centro Nacional de Agronomia, Boletin no. 2. 1948. 20 p.
10475. _____ & MERINO ARGUETA, J. Cultivo y almacenaje del maiz en El Salvador. El Salvador, Centro Nacional de Agronomia, Circular Agricola no. 14. 1950. (folleto, doblado)

South America
(America del Sur)

10476. ANDERSON, EDGAR. A variety of maize from the Rio Loa.
Missouri Botanical Garden. Annals 30:469-474.
1943.
10477. CUTLER, HUGH C. Races of maize in South America.
Revista de Agricultura(Cochabamba, Bolivia) 5(4):
18-29; 6(5):3-28. Nov. 1948, Mar. 1949.
10478. THOMPSON, LILA. Corn, wheat, sugar, rice and cotton in
South America. Pan American Union. Bulletin 52(4):
339-363. April 1921.
Corn, pp. 339-345.
10479. U. S. FOREIGN AGRICULTURAL SERVICE. Agricultural geography
of Latin America. U. S. Department of Agriculture
Miscellaneous Publication no. 743. 1958. 96 p.
Corn, pp. 36-40.

Argentina

10480. ABALO, RAUL A. Influencia de densidades de siembra sobre el
rendimiento de variedades de maiz en Pergamino. En
Argentina. Centro Regional Pampeano de Investigaciones
Agropecuarias. Memoria de la Quinta Reunion de Maiz,
27 y 28 de julio de 1950 en la Estacion Experimental
Pergamino. Pergamino, 1950. pp. 139-143, 145.
10481. _____ Influencia de la epoca de siembra sobre el rendi-
miento de las variedades de maiz en Pergamino. En
Argentina. Centro Regional Pampeano de Investigaciones
Agropecuarias. Memoria de la Quinta Reunion de Maiz,
27 y 28 de julio de 1950 en la Estacion Experimental
Pergamino. Pergamino, 1950. pp. 147-151.

10482. ARGENTINA. CENTRO REGIONAL PAMPEANO DE INVESTIGACIONES AGROPECUARIAS. Memoria de la Quinta Reunion de Maiz, 27 y 28 de julio de 1950 en la Estacion Experimental Pergamino. Pergamino, 1950. 213 p.
10483. _____ DIRECCION DE ESTACIONES EXPERIMENTALES. Descripcion de las principales variedades de trigo, avena, cebada, centeno, lino y maiz cultivadas en la Republica Argentina. Pergamino, 1945. 262 p.
10484. ETCHECOPAR, JUAN A. & ILLIA, MARTIN C. Descripcion de las principales variedades de maiz cultivadas en la Argentina. Revista Argentina de Agronomia 11(3): 175-194. Sept. 1944.
Tambien en: Argentina, Estacion Experimental de Pergamino, Publicacion no. 20:199-225. 1945.
English summary.
10485. GHEORGHIANOV, VEACESLAO. Ensayo comparativo de maices argentinos y uruguayos. En Argentina. Centro Regional Pampeano de Investigaciones Agropecuarias. Memoria de la Quinta Reunion de Maiz, 27 y 28 de julio de 1950 en la Estacion Experimental Pergamino. Pergamino, 1950. pp. 113-129.
10486. MARINO, ANTONIO E. Aspectos de calidad en el maiz argentino. Argentina, Ministerio de Agricultura, Direccion General de Agricultura. "Granos" 9(4-6):21-27. Abril-Junio 1945.
10487. _____ & LUNA, JOSE T. La precocidad de las variedades comerciales de maices en Santa Fe. Revista Argentina de Agronomia 10(2):155-168. Junio 1943.
Publicado como folleto: Instituto Experimental de Investigacion y Fomento Agricola-Ganadero (Santa Fe, Argentina) Publicacion Tecnica no. 43:155-168. 1943.
10488. NYHUS, PAUL O. Argentine corn. Foreign Agriculture 1(8): 393-418. Aug. 1937.
10489. PASCALE, ANTONIO JUAN. Mapa fenologico del maiz en la Republica Argentina. Meteoros 3(4):383-394. Oct.-Dic. 1953.
Tambien aparece como folleto: Argentina, Direccion General del Servicio Meteorologico Nacional, Serie Agrometeorologica, Publicacion no. 15. 1953. pp. 383-394.

10490. PRITZ, OSVALDO W. El maiz en la economia argentina. Campo y Suelo Argentino 31(363):22. Enero 1947.
10491. RAMELLA, RAUL. Comportamiento agricola de variedades de maiz en la Estacion Experimental de Alberdi. Argentina, Ministerio de Agricultura, Direccion General de Agricultura. "Granos" 3(2):1-10. Feb. 1939.
10492. ROXBACO, URBANO F. El material del maiz "amargo" de la Estacion Experimental Nacional de Tezanos Pinto. En Argentina. Centro Regional Pampeano de Investigaciones Agropecuarias. Memoria de la Quinta Reunion de Maiz, 27 y 28 de julio de 1950 en la Estacion Experimental Pergamino. Pergamino, 1950. pp. 67-68.
10493. Variedades sinteticas. En Argentina. Centro Regional Pampeano de Investigaciones Agropecuarias. Memoria de la Quinta Reunion de Maiz, 27 y 28 de julio de 1950 en la Estacion Experimental Pergamino. Pergamino, 1950. pp. 63-66.
10494. ROSSI, JUAN C. Estudio fitotecnico de poblaciones regionales de maiz. En Argentina. Centro Regional Pampeano de Investigaciones Agropecuarias. Memoria de la Quinta Reunion de Maiz, 27 y 28 de julio de 1950 en la Estacion Experimental Pergamino. Pergamino, 1950. pp. 49-51, 52.
10495. WENCELBLAT, FEDERICO GUILLERMO. La evolucion de la exportacion de granos en la Argentina y otros paises exportadores. Buenos Aires, Argentina. Comision Nacional de Granos y Elevadores. Publicacion no. 20. 1937. 100 p. Maiz, pp. 59-71.

Brasil

10496. AINDA O CICLO vegetativo do milho. Sitos e Fazendas 18(11): 26. Nov. 1952.
10497. ARAUJO, RUI ALVES DE & ARAUJO, WILSON ALVES DE. Adubacao nitrogenada na cultura do milho em Minas Gerais. Minas Gerais, Brasil (Estado) Secretaria da Agricultura, Industria, Comercio e Trabalho. Boletim de Agricultura 7(1-2):13-19. Jan.-Fev. 1958.

10498. ASPECTOS DA cultura do milho no Estado de Sao Paulo.
Agricultura em Sao Paulo 3(1):12-17. Jan. 1953.
10499. BENTO, BENEDITO ARLINDO. Problemas da cultura do milho.
Lavoura (Brasil) ano 61:56-58. Set.-Out. 1958.
10500. GRIFFING, JOHN B. O milho hibrido e sua cultura no
Brasil. Sociedade Rural Brasileira. Revista
30(354):32-33. Maio 1950.
10501. LISBOA, ABDENAGO. Cultura racional do milho. Brasil.
Ministerio da Agricultura. Boletim 31(10):37-58.
Out. 1942.
10502. LOBBE, HENRIQUE. O milho. Sao Paulo, Edicao da
Chacaras e Quintaes, 1939. 166 p. (Biblioteca
Agricola Popular Brasileira)
10503. LORENA, BERNARDO. Cultura do milho. Sao Paulo,
Brasil, Secretaria da Agricultura, Industria e
Comercio, 1936. 12 p.
10504. MELO, DIOGO ALVES DE. O milho. Boletim de Agricultura,
Zootecnia e Veterinaria (Brasil) 6(10):613-623.
Oct. 1933.
10505. MIMEUR, GENEVIEVE. L'Origine du mais et les varietes
indigenes au Bresil. Revue Internationale de
Botanique Appliquee et d'Agriculture Tropicale
29(325-326):621-626. Nov.-Dec. 1949.
10506. PAOLIERI, LUIZ. El maiz dulce en Brasil. Hacienda
44(4):42-43, 59. Abril 1949.
10507. _____ Milho doce paulista. Sao Paulo, Brasil
(Estado) Secretaria da Agricultura. Boletim de
Agricultura 54:385-398. 1953.
10508. _____ Milho doce paulista; um novo tipo de milho para
Sao Paulo. Sociedade Rural Brasileira. Revista
28(338):14-17. Nov.-Dez. 1948.
10509. ROLFS, P. H. Augmento rapido na produccao de milho.
Boletim de Agricultura, Zootecnia e Veterinaria
(Brasil) 1(3):3-6. Mar. 1928.

10510. SANTOS, EURICO. Cereais: milho, arroz, trigo, aveia, centeio, cevada. Sao Paulo, Brasil, Edicas da Chacaras e Quintaes, 1943. 20 p. (Biblioteca Agricola Popular Brasileira, no. 3)
10511. SAO JOSE, A. SECUNDINO DE. O milho; como produzi-lo melhor e mais barato. Minas Gerais, Secretaria da Agricultura. Departamento de Producao Vegetal. Boletim 1(7):17-39. Julho 1952.
10512. SOBRINHO, J. DE ANDRADE & SMITH, ERIK. Producao de sementes hibridos de milho no Estado de Sao Paulo. Braganzia 12(7-9):267-276. Julho-Set. 1952. English summary.
10513. TRABALHOS experimentais com milho, em andamento no Instituto Agronomico. Sao Paulo, Brasil, Secretaria da Agricultura, 1951. 11 p.
10514. VIEGAS, G. P. O milho Asteca. Agronomico (Brasil) 9(7-8):1-6. Julho-Agosto 1957.

Chile, Bolivia, Ecuador

10515. CARDENAS, MARTIN & CUTLER, HUGH C. Mejoramiento del maiz en los valles de Bolivia. Cochabamba, Bolivia, Universidad de "San Simon", Facultad de Ciencias Agronomicas, Cuadernos Fitotecnicos no. 1. 1947. 10 p.
10516. EGUNO, ALFONSO. Cultivo de maiz en el Valle de Cochabamba. Campo (Bolivia) 5(69):23-27. Agosto 1952.
10517. GACITUA LOWICK-RUSSELL, HERNAN. Maiz. En Chile. Direccion General de Agricultura. Siete anos de investigacion agricola; memoria del ex-Departamento de Genetica y Fitotecnica, 1940-1947. Santiago, Imprenta Stanley, 1950. pp. 287-308.

10518. OPAZO G., ROBERTO. Sembremos muchos frijoles i maiz.
Santiago, Chile, Direccion General de los Servicios
Agricolas, Boletin de Informaciones no. 127. 1925.
8 p.

10519. WIGGIN, HENRY C. Genetica del maiz; nueva variedad para
el litoral. Labor del SCIA (Servicio Cooperativo
Interamericano de Agricultura, Ecuador) 4(2):1-3.
Junio 1958.

Colombia

10520. CASSALETT D., CLIMACO. Mejoramiento de maiz en Monteria.
En Reunion Centroamericana sobre el Mejoramiento
del Maiz, 1a, Turrialba, C. R., 1954. Proyecto
Cooperativo Centroamericano. Turrialba, C. R.,
Instituto Interamericano de Ciencias Agricolas, 1954.
pp. 267-269.

10521. _____ Sistemas culturales del maiz en las regiones de
la Costa Atlantica de Colombia. En Reunion Centro-
americana sobre el Mejoramiento del Maiz, 1a,
Turrialba, C. R., 1954. Proyecto Cooperativo Centro-
americano. Turrialba, C. R., Instituto Interamericano
de Ciencias Agricolas, 1954. pp. 300-302.

10522. CHAVARRIAGA MISAS, EDUARDO & YEPES Y., EMILIO A. Los primeros
trabajos de mejoramiento de maiz en Colombia. Agricultura Tropical (Colombia) 11(4):301-303. Abril 1955.

10523. COLOMBIA. CAJA DE CREDITO AGRARIO. La produccion de maiz en
Colombia. Revista Nacional de Agricultura 52(638):22-
24. Junio 1958.

10524. _____. MINISTERIO DE AGRICULTURA. OFICINA DE INVESTI-
GACIONES ESPECIALES. Maiz (1953-1954). Revista
Nacional de Agricultura 50(614):15-35. Junio 1956.

10525. _____. Programa de mejoramiento de maiz (1954-1955).
Revista Nacional de Agricultura 51(625):15-41.
Mayo 1957.

10526. COLOMBIA. MINISTERIO DE AGRICULTURA. OFICINA DE INVESTIGACIONES ESPECIALES. Segundo informe anual sobre el progreso del Programa Cooperativo de Investigaciones Agricolas entre el Ministerio de Agricultura y la Fundacion Rockefeller, 1951-1952. Revista Nacional de Agricultura 48(585):25-45. Enero 1954.
Maiz, pp. 25-35.
10527. _____ Tercer informe anual sobre el progreso del Programa Cooperativo de Investigaciones Agricolas entre el Ministerio de Agricultura y la Fundacion Rockefeller, 1952-1953. Revista Nacional de Agricultura 48(587):11-56. Mar. 1954.
Maiz, pp. 13-22, 43-50.
10528. DIAZ, EFRAIM. Mejoramiento de maiz en Colombia. En Reunion Centroamericana sobre Mejoramiento del Maiz, 3a, Antigua, Guatemala, 1956. Proyecto Cooperativo Centroamericano. Turrialba, C. R., Instituto Interamericano de Ciencias Agricolas, 1956. pp. 43-44.
10529. GRANT, U. J. & OTROS. Cómo aumentar la produccion de maiz en Colombia. Colombia, Ministerio de Agricultura, Oficina de Investigaciones Especiales, D.I.A.-Boletin de Divulgacion no. 1. 1957. 51 p.
10530. HARRAR, J. G. The agricultural program of the Rockefeller Foundation. New York, Rockefeller Foundation, 1956. (pages un-numbered)
10531. LOSADA SINISTERRA, BELISARIO. Anotaciones generales sobre el cultivo del maiz en el Valle del Cauca. Revista Agricola y Ganadera (Colombia) 15(173):12-14. Julio 1954.
10532. MEJORAMIENTO DEL maiz en Colombia. Boletin Agricola (Sociedad Antioquena de Agricultores, Colombia) nos. 376-381, 3231-3238. Dic.-Mayo 1950-51.
10533. MESA BERNAL, DANIEL. El maiz y algunas medidas empleadas en Colombia. Agricultura Tropical (Colombia) 11(11): 845-852. Nov. 1955.
10534. _____ Noticias sobre el maiz en Colombia. Agricultura Tropical (Colombia) 12(9):571-575. Sept. 1956.

10535. RAMIREZ, HERNAN. Estudio estadistico comparativo sobre dos variedades de maiz. Medellin, Colombia. Facultad Nacional de Agronomia. Revista 6(24):375-392. Dic. 1946. Tambien en: Agricultor Venezolano 12(123):24-32. Mayo 1947.
10536. RECOMENDACIONES sobre el cultivo de maiz en tierra fria; de acuerdo con las observaciones hechas en "Tibaitata". Colombia, Ministerio de Agricultura. Boletin de Informacion 3(64):6-7. Feb. 1958.
10537. REICHEL-DOLMATOFF, GERARDO. El cultivo del maiz y la etnologia en el noreste de Colombia. Agricultura Tropical (Colombia) 4(1):7-12. Enero 1948.
10538. ROBERTS, L. M. & OTROS. Clasificacion de las razas de maiz en Colombia. (Compendio) En Reunion Interamericana de Fitogenetistas, Fitopatologos, Entomologos y Edafologos, 3a, Bogota, Colombia, 1955. Bogota, Colombia, Ministerio de Agricultura, Oficina de Investigaciones Especiales, 1958. pp. 107-108.
10539. _____ & OTROS. Razas de maiz en Colombia. Colombia, Departamento de Investigacion Agropecuaria (D.I.A.), Boletin Tecnico no. 2. 1957. 159 p.
10540. ROCKEFELLER FOUNDATION. Colombian agricultural program; Director's annual report, May 1, 1956 - April 30, 1957. New York, 1957. 190 p. Corn improvement program, pp. 11-35.
10541. SARRIA VILLANO, DANIEL. Estudio descriptivo de cuatro razas de maiz en Colombia. Acta Agronomica (Colombia) 4(3):161-174. Julio 1954.
10542. SUAREZ DE CASTRO, FERNANDO & RODRIGUEZ G., ALVARO. Efecto de la cal y el fosforo sobre la produccion de maiz en suelos de la serie Chinchina. Chinchina, Colombia, Federacion Nacional de Cafeteros, Boletin Tecnico 2(20):1-20. 1958. English summary.
10543. TORREGROZA C., MANUEL. Practicas culturales de maiz en las regiones medias de Colombia. En Reunion Centroamericana sobre el Mejoramiento del Maiz, 1a, Turrialba, C. R., 1954. Proyecto Cooperativo Centroamericano. Turrialba, C. R., Instituto Interamericano de Ciencias Agricolas, 1954. pp. 299-300.

10544. TORREGROZA C., MANUEL. Produccion y distribucion de hibridos y variedades seleccionadas de maiz en Colombia. En Reunion Centroamericana sobre el Mejoramiento del Maiz, 1a, Turrialba, C. R., 1954. Proyecto Cooperativo Centroamericano. Turrialba, C. R., Instituto Interamericano de Ciencias Agricolas, 1954. pp. 416-417.
10545. VARELA MARTINEZ, RAUL. Produccion y uso del maiz en Colombia. Economia Colombiana 9(26):557-565. Junio 1956.
10546. VARELA A., DANIEL, GRANT, ULYSSES J. & YEPES Y., EMILIO. Estudio comparativo sobre las caracteristicas de la mazorca en tres variedades de maiz de clima frio. (Compendio) En Reunion Interamericana de Fitogenetistas, Fitopatologos, Entomologos y Edafologos, 3a, Bogota, Colombia, 1955. Bogota, Colombia, Ministerio de Agricultura, Oficina de Investigaciones Especiales, 1958. pp. 113-114.
10547. YEPES Y., EMILIO A. Posibilidades del cultivo e industrializacion del maiz en Colombia con el uso de hibridos comerciales. Revista Nacional de Agricultura (Colombia) no. 602:17-22. Junio 1955.
10548. _____ Los primeros trabajos de mejoramiento de maiz en Colombia. Agricultura Tropical (Colombia) 11(4):301-303. Abril 1955.
10549. _____ Sistemas culturales sobre maiz en las regiones frias de Colombia. En Reunion Centroamericana sobre el Mejoramiento del Maiz, 1a, Turrialba, C. R., 1954. Proyecto Cooperativo Centroamericano. Turrialba, C. R., Instituto Interamericano de Ciencias Agricolas, 1954. pp. 297-299.
10550. _____ & OTROS. La colección de variedades extranjeras en Colombia y su utilidad en los programas de mejoramiento. (Compendio) En Reunion Interamericana de Fitogenetistas, Fitopatologos, Entomologos y Edafologos, 3a, Bogota, Colombia, 1955. Bogota, Colombia, Ministerio de Agricultura, Oficina de Investigaciones Especiales, 1958. pp. 122-123.

Mexico *

10551. AGUIRRE, NORBERTO. El problema del maiz en Mexico.
Mexico, Servicio Cooperativo Interamericano de
Agricultura, s. f. 5 p. (mimeografiado)
10552. ALEMAN V la Comision del Maiz. 2a ed. Mexico, D. F.,
Editorial Ruta, 1951. 390 p. (Temas mexicanos, 9)
Contiene informacion sobre el cultivo del maiz
con ilustraciones.
10553. ANDERSON, EDGAR. Maize in Mexico; a preliminary survey.
Missouri Botanical Garden. Annals 33:147-247.
April 1946.
10554. _____ & FINAN, JOHN JAY. Maize in the Yanhuitlan
Codex. Missouri Botanical Garden. Annals 32:361-
368. 1945.
10555. BARGHOORN, ELSO S., WOLFE, MARGARET K. & CLISBY, KATHRYN H.
Fossil maize from the Valley of Mexico. Harvard
University Botanical Museum Leaflets 16(9):229-240.
1954.
10556. BELTRAN, DAVID REYNOSO. Clinica del maiz. Tierra (Mexico)
2(7):436-437; (10):619-621. Julio, Oct. 1947.
Descripcion de una variedad de maiz de Mexico
"sintetico 22".
10557. BLANCO MACIAS, GONZALO. La gravedad de las crisis del maiz.
Vida Rural (Mexico) 1(9):22-23. Oct. 1958.
10558. _____ Tendencias de nuestra produccion y comercio de
maiz; su relacion con la agricultura de temporal.
Campe (Mexico) 23(789):39-40, 41-44, 46-48, 50-51.
Nov. 1957.
10559. COVARRUBIAS, RAMON & RODRIGUEZ, ANTONIO. Primera siembra
experimental de maiz en "El Cayal", Campeche.
Agricultura Tecnica en Mexico no. 3:12-13. Invierno
1956-1957.
10560. DIAZ DEL PINO, ALFONSO. Es buen negocio el cultivo del maiz?
Tierra (Mexico) 6(4):221-223, 251. Abril 1951.

* This section belongs under the heading Central America and
Mexico.

* Esta seccion pertenece bajo el topico America Central y
Mexico.

10561. DIAZ DEL PINO, ALFONSO. Como obtener doce toneladas de maiz por hectarea. Tierra (Mexico) 12(9): 776-777, 830-831. Sept. 1957.
10562. Elevados rendimientos de maiz. Vida Rural (Mexico) 1(1):14. Feb. 1958.
10563. Un problema nacional: la produccion de maiz, su posible solucion. Vida Rural (Mexico) 1(3):20-21. Abril 1958.
10564. El problema de la produccion de maiz en Mexico. Tierra (Mexico) 2(8):462-464, 500; (11):663-665, 698; 3(4):257-260; (10):714-716, 740-741; 8(4):303-305; (5):347-349; (6):438-439, 473-476; (7):512-513, 556; (8):590-591, 627-628; (9):663-665, 708; (11):862-863, 900-901; 9(1):28, 64-67; (3):176-177, 218; (4):264-265, 314-315; (6):428-429, 462-463. Agosto, Nov. 1947; Abril, Oct. 1948; Abril-Sept., Nov. 1953; Enero, Marzo, Abril, Junio 1954.
10565. FELIX, LUIS CARLOS. Mejoramiento del maiz en Nuevo Leon. Instituto Tecnologico y de Estudios Superiores de Monterrey (Mexico). Agronomia no. 22:5, 7. Mayo-Junio 1952.
10566. GARZA M., ANTONIO & OSLER, R. D. Maices mejorados en el Bajío en 1957. Agricultura Técnica en Mexico no. 6:5, 48. Verano 1958.
10567. GUTIERREZ ROLDAN, EMILIO. El Ing. Emilio Gutierrez Roldan no habla de la Comision Nacional del Maiz. Tierra (Mexico) 13(2):119-121, 142. Feb. 1958.
Discute las actividades de la Comision Nacional del Maiz de Mexico.
10568. HARRAR, J. G. The agricultural program of the Rockefeller Foundation. New York, Rockefeller Foundation, 1956. (pages un-numbered)
10569. HERNANDEZ XOLOCOTZI, EFRAIN. El genero *Tripsacum* en Mexico. En Asamblea Latinoamericana de Fitogenetistas, 1a, Mexico, D. F., 1949. Trabajos presentados. Mexico, Secretaria de Agricultura y Ganaderia, Oficina de Estudios Especiales, Folleto Miscelaneo no. 3. 1950. pp. 29-36.

10570. HERNANDEZ XOLOCOTZI, EFRAIN. Maize granaries in Mexico.
Harvard University. Botanical Museum Leaflets 13(7):
153-211. 1949.
10571. HOPKINS, JOHN O. Corn breeding program in Mexico.
Foreign Agriculture 13(8):184-186. Aug. 1949.
Also in: Seed World 65(6):8-10. Sept. 1949.
10572. JIMENEZ, MARIANO & SANCHEZ DURON, NICOLAS. Experimentos
con maiz en el Valle del Yaqui. Agricultura
Tecnica en Mexico no. 7:13, 36. Invierno 1958-59.
10573. LAIRD, R. J., JIMENEZ, MARIANO & PUENTE, FIDENCIO. Maiz
de temporal asociado con trebol Hubam; practica
remuneracion en El Bajio. Agricultura Tecnica en
Mexico no. 4:2-3. 1957.
10574. LANDAVERDE, ARNULFO. El maiz y su cultivo en Mexico.
Mexico, D. F., Jose C. Torres y Cia, 1949. 267 p.
(Biblioteca Agropecuaria)
10575. UNA MEDIDA de emergencia para evitar las fallas en las
milpas. San Jacinto, D. F., Mexico, Secretaria
de Agricultura y Fomento, Departamento de Ensenanza
y Divulgacion Agricolas, 1940. 3 p. (Serie M.T.F.
no. 5-M.)
10576. MELHUS, IRVING E. & OTHERS. Comparative development of
some United States, Mexican and Central American
corns at different latitudes and altitudes.
(Abstract) American Journal of Botany 33(3):220-
221. Mar. 1946.
10577. MEXICO (ESTADO). CAMPO EXPERIMENTAL AGRICOLA SANTA ELENA.
Informe num. 1, 1952-1954. Toluca, 1954. 59 p.
Maiz, pp. 13-20, 49-51.
10578. MEXICO. INSTITUTO DE INVESTIGACIONES AGRICOLAS. Informe
anual, 1953-1954. Mexico, D. F., Secretaria de
Agricultura y Ganaderia, 1954? 54 p.
Maiz, pp. 1-10.
10579. SECRETARIA DE AGRICULTURA Y GANADERIA. OFICINA
DE ESTUDIOS ESPECIALES. Fourth annual progress report,
September 1, 1953 - August 31, 1954. Mexico, D. F.,
1954? 151 p.
Corn, pp. 11-37, 91-94, 107, 109, 115-117, 121-123.

10580. MEXICO. SECRETARIA DE AGRICULTURA Y GANADERIA. OFICINA DE ESTUDIOS ESPECIALES. Informe de las labores desarrolladas por la Oficina de Estudios Especiales, durante el periodo comprendido del 1o de Septiembre de 1956 al 31 de Agosto de 1957. Mexico, D. F., 1957? 237 p.
Maiz, pp. 2-20, 177-186, 212-213.
10581. MORALES HERNANDEZ, PAULINO. El maiz "Papaloapan I" (variedad de polinizacion libre). Chapingo (Mexico) 10(62):58-62, 69. Mar.-Abril 1957.
10582. NEVE, JESUS & OSLER, R. D. Maiz: nueva promesa para el Noroeste. Agricultura Tecnica en Mexico no. 3:16, 33. Invierno 1956-1957.
10583. _____ & OTROS. El cultivo del maiz en el Valle del Yaqui. Mexico, Secretaria de Agricultura y Ganaderia, Oficina de Estudios Especiales, Boletin 304. 1957. 13 p.
10584. OBREGON G., PEDRO. Variedades de maiz blanco "Sicarigua" y "Sicarigua mejorado". Agricultor Venezolano 22(203): 12-14. Oct. 1958.
10585. PALACIOS, GILBERTO & OSLER, R. D. Variedades mejoradas de maiz para la Mesa Central. Mexico, D. F., Servicio de Extension Agricola, Oficina de Estudios Especiales, Boletin no. 412-1-6. 1956. 10 p.
10586. PARRA R., MANUEL. Particularidades ambientales del cultivo de maiz en Mexico. En Reunion Centroamericana sobre el Mejoramiento del Maiz, 1a, Turrialba, C. R., 1954. Proyecto Cooperativo Centroamericano. Turrialba, C. R., Instituto Interamericano de Ciencias Agricolas, 1954. pp. 89-94.
10587. _____ & OSLER, R. D. Primeros experimentos con maiz en Yerbanis, Durango. Agricultura Tecnica en Mexico no. 3:40. Invierno 1956-1957.
10588. PERRY, J. P., RACHIE, K. O. & MARTINEZ, L. J. Quema de malezas y fertilizacion del maiz en Campeche. Agricultura Tropical (Colombia) 14(7):425-430. Julio 1958.

10589. REYES CASTANEDA, PEDRO. Bosquejo del mejoramiento de maiz en los tropicos de Mexico. En Reunion Centroamericana sobre el Mejoramiento del Maiz, 1a, Turrialba, C. R., 1954. Proyecto Cooperativo Centroamericano. Turrialba, C. R., Instituto Interamericano de Ciencias Agricolas, 1954. pp. 254-267.
10590. _____ Trabajos y condiciones generales de la zona de San Rafael, Veracruz, Mexico, en donde se ha desarollo con mayor intensidad el programa tropical. En Reunion Centroamericana sobre el Mejoramiento del Maiz, 1a, Turrialba, C. R., 1954. Proyecto Cooperativo Centroamericano. Turrialba, C. R., Instituto Interamericano de Ciencias Agricolas, 1954. pp. 293-297.
10591. ROBERTS, L. M. Las razas mexicanas de maiz mas utiles como material basico para su mejoramiento. En Asamblea Latinoamericana de Fitogenetistas, 1a, Mexico, D. F., 1949. Trabajos presentados. Mexico, Secretaria de Agricultura y Ganaderia, Oficina de Estudios Especiales, Folleto Miscelaneo no. 3. 1950. pp. 71-84.
10592. _____ & OTROS. Rocamex V-21 y Rocamex VS-101, nuevas variedades mejoradas de maiz de madurez precoz para la Mesa Central. Mexico, Secretaria de Agricultura y Ganaderia, Oficina de Estudios Especiales, Folleto de Divulgacion no. 7. 1949. 23 p.
English summary.
10593. ROCKEFELLER FOUNDATION. Mexican agricultural program; Director's annual report, September 1, 1956 - August 31, 1957. New York, 1957. 364 p.
Corn program, pp. 49-75.
10594. RODRIGUEZ, ANTONIO. Informe de Mexico. En Reunion Centroamericana sobre Mejoramiento del Maiz, 3a, Antigua, Guatemala, 1956. Proyecto Cooperativo Centroamericano. Turrialba, C. R., Instituto Interamericano de Ciencias Agricolas, 1956. pp. 63-63b.
10595. _____ Mejoramiento de maiz en el tropico de Mexico. En Reunion Centroamericana sobre Mejoramiento del Maiz, 3a, Antigua, Guatemala, 1956. Proyecto Cooperativo Centroamericano. Turrialba, C. R., Instituto Interamericano de Ciencias Agricolas, 1956. pp. 47-49.

10596. SANCHEZ, NICOLAS. Comparacion entre fertilizacion y densidades de siembra para maiz de riego y de temporal en Mexico. (Compendio) En Reunion Interamericana de Fitogenetistas, Fitopatologos, Entomologos y Edafologos, 3a, Bogota, Colombia, 1955. Bogota, Colombia, Ministerio de Agricultura, Oficina de Investigaciones Especiales, 1958. pp. 400-401.
10597. _____, CHAVEZ R., SABINO & PUENTE F., FIDENCIO. Fertilizantes y densidad de poblacion para el maiz en Veracruz. Mexico, Secretaria de Agricultura y Ganaderia, Oficina de Estudios Especiales, Folleto de Divulgacion no. 27. 1958. 16 p.
10598. _____, CHAVEZ R., SABINO & PUENTE F., FIDENCIO. Necesidades de fertilizantes del maiz en Veracruz. Agricultura Tecnica en Mexico no. 6:4, 48. Verano 1958.
10599. LA TECNICA de conservacion del suelo y agua como base para el incremento de la produccion de maiz y frijol. Campo (Mexico) 23(799):55-58, 60, 62. Sept. 1958.
10600. WELLHAUSEN, E. J. Comparacion de variedades del maiz obtenidas en el Bajío, Jalisco y en la Mesa Central. Mexico, Secretaria de Agricultura y Ganaderia, Oficina de Estudios Especiales, Folleto Tecnico no. 1. 1947. 40 p.
10601. _____ Modern corn breeding and production in Mexico. Phytopathology 44(8):391-395. Aug. 1954.
10602. _____ & ROBERTS, L. M. Methods used and results obtained in corn improvement in Mexico. Iowa Agricultural Experiment Station Research Bulletin no. 371:525-537. 1949.
Resumen en espanol, pp. 538-539.
10603. _____, ROBERTS, L. M. & HERNANDEZ X., E. Razas de maiz en Mexico, su origen, caracteristicas y distribucion. Mexico, Secretaria de Agricultura y Ganaderia, Oficina de Estudios Especiales, Folleto Tecnico no. 5. 1951. 237 p.
The Library also has this article in English "Races of maize in Mexico; their origin, characteristics and distribution". Cambridge, Mass., Harvard University. Bussy Institutien, 1952. 223 p. (Written in collaboration with Paul C. Mangelsdorf).

Panama

10604. AROSEMANA G., ALVARO. Maiz en grano. Revista de Agricultura, Comercio e Industrias (Panama) 12(13):26-30. Junio 1954.
10605. AROSEMANA, RUBEN D. Mejoramiento de maiz en Panama. En Reunion Centroamericana sobre Mejoramiento del Maiz, 3a, Antigua, Guatemala, 1956. Proyecto Cooperativo Centroamericano. Turrialba, C. R., Instituto Interamericano de Ciencias Agricolas, 1956. pp. 40-42.
10606. _____ & CAVINESS, CHARLES E. Prueba de variedades de maiz. Panama, Instituto Nacional de Agricultura, Servicio Nacional de Investigacion Agricola, Folleto no. 11. 1954? 12 p. (mimeografiado)
10607. BOTACIO, JOAQUIN. Informe de Panama. En Reunion Centroamericana sobre Mejoramiento del Maiz, 3a, Antigua, Guatemala, 1956. Proyecto Cooperativo Centroamericano. Turrialba, C. R., Instituto Interamericano de Ciencias Agricolas, 1956. pp. 61-61b.
10608. ESPINOSA S., EZEQUIEL. El cultivo del maiz en Panama. Revista de Agricultura, Comercio e Industrias (Panama) 9(4):40-42. Sept. 1953.
10609. _____ Pruebas comparativas de variedades de maiz en Panama. En Reunion Centroamericana sobre el Mejoramiento del Maiz, 1a, Turrialba, C. R., 1954. Proyecto Cooperativo Centroamericano. Turrialba, C. R., Instituto Interamericano de Ciencias Agricolas, 1954. pp. 197-201.
10610. _____ & CAVINESS, CHARLES E. Resumen preliminar de las pruebas de variedades de maiz, 1952-1953. Panama, Instituto Nacional de Agricultura, Servicio de Investigacion Agricola, Boletin Tecnico no. 1. 1953. 15 p.
10611. OCANA, BERNARDO. El maiz y su cultivo en Panama. Revista de Agricultura, Comercio e Industrias (Panama) 9(7):30-32. Dic. 1953.

10612. OCANA, BERNARDO. Problemas que confronta el maiz en Panama. En Reunion Centroamericana sobre el Mejoramiento del Maiz, 1a, Turrialba, C. R., 1954. Proyecto Cooperativo Centroamericano. Turrialba, C. R., Instituto Interamericano de Ciencias Agricolas, 1954. pp. 409-412.

Peru

10613. ARCA, MANUEL & GROBMAN, ALEXANDER. Experimentos sobre practicas culturales para maiz en la Costa Central Peruana. (Compendio) En Reunion Interamericana de Fitogenetistas, Fitopatologos, Entomologos y Edafologos, 3a, Bogota, Colombia, 1955. Bogota, Colombia, Ministerio de Agricultura, Oficina de Investigaciones Especiales, 1958. p. 410.
10614. BOCANEGRAS SALAZAR, SANTIAGO. Comparativo de hibridos y variedades de maiz en la Costa Central del Peru. Agronomia (Peru) 17(70):72-75. Julio 1952.
Tambien en: Peru. Direccion General de Agricultura. Boletin no. 3-4:4-10. 1952.
10615. _____ Mejoramiento del maiz en la Estacion Experimental Agricola de La Molina y sus resultados en la Costa Central del Peru. Peru, Estacion Experimental Agricola de "La Molina", Informe Mensual 29(337):14-16. 1955.
10616. _____ Produccion de hibridos y variedades sinteticas de maiz amarillo para la Costa Central del Peru. Peru, Centro Nacional de Investigacion y Experimentacion Agricola "La Molina", Boletin no. 38. 1950. 5 p.
10617. _____ Progresos en el mejoramiento del maiz durante la campana 1952. Peru. Direccion General de Agricultura. Boletin no. 5-6:69-74. 1952.
Tambien en: Agronomia (Peru) 18(74):82-86. 1953.

10618. BOCALEGRA SALAZAR, SANTIAGO. Resultados obtenidos en el Programa del Maiz en la Estacion Experimental Agricola de La Molina, 1954-1955. Peru, Direccion General de Agricultura. Boletin no. 17-18:68-78. 1955.
10619. CARUGHI D., SANDRO. El cultivo del maiz en la Hacienda "El Ingenio". Agronomia (Peru) 13(54):69-76. 1948.
10620. DERTEANO URRUTIA, CARLOS. El cultivo del maiz en el Peru. Vida Agricola (Peru) 27(321):633-634. Agosto 1950.
10621. _____ El maiz en el Peru; su historia, cultivo, mejoramiento y perspectivas. Agronomia (Peru) 18(74):91-109. Junio-Agosto 1953.
10622. GILARDI R., LUIS. Ensayos experimentales de maiz en Casma. Revista Agropecuaria del Peru 1(1):32-34. Enero-Mar. 1950.
10623. GROBMAN, ALEXANDER. Clasificacion preliminar de los maices peruanos. (Compendio) En Reunion Interamericana de Fitogenetistas, Fitopatologos, Entomologos y Edafologos, 3a, Bogota, Colombia, 1955. Bogota, Colombia, Ministerio de Agricultura, Oficina de Investigaciones Especiales, 1958. pp. 95-96.
10624. _____ El mejoramiento del maiz en Peru. Agricultura de las Americas 5(11):28, 30-31, 40, 42. Nov. 1956.
10625. _____ Plan nacional de experimentacion de maiz. En Peru. Ministerio de Agricultura, Programa Cooperativo de Experimentacion Agropecuaria (PCEA). Plan nacional de experimentacion. Lima, 1957. pp. 27-43.
10626. GUZMAN, V. L. Produccion de maiz dulce para mesa en el Peru. En Asamblea Latinoamericana de Fitogenetistas, 1a, Mexico, D. F., 1949. Trabajos presentados. Mexico, Secretaria de Agricultura y Ganaderia, Oficina de Estudios Especiales, Folleto Miscelaneo no. 3. 1950. pp. 154-163.
10627. NICHOLSON, G. EDWARD. Los tipos de maiz peruano. Peru, Ministerio de Agricultura. Informaciones del SCIPA no. 20:31-33. Sept. 1950.

10628. PERU. MINISTERIO DE AGRICULTURA. DEPARTAMENTO DE ESTADISTICA AGROPECUARIA. Estadisticas de produccion de cebada, papa y maiz (1948-1949). Lima, 1950. 17 p.
Maiz, pp. 1, 13-17.
10629. POMAREDA V., JORGE. Seleccion de la variedad de maiz "Amarillo - Moquegua". Peru. Direccion General de Agricultura. Boletin no. 2:22-26. 1951.
10630. RIVAROLA, ENRIQUE. Mejorando el sistema de siembra de maiz en Motupe. Peru. Servicio Cooperativo Interamericano de Produccion de Alimentos. Informaciones del SCIPA no. 5:19-22. Dic. 1944.
10631. SEOANE, EDGARDO. Capacidad productora del agua en la cana de azucar, el arroz y el maiz; valor del agua en funcion de dichas sementeras. En Asociacion Peruana de Ingenieros Agronomos. Anales de la primera convencion agronomica regional - provincia Litoral de Tumbes y Departamentos de Piura, Lambayeque y la Libertad, realizada en la ciudad de Chiclayo del 26 al 29 de Julio de 1942. Lima, 1942. pp. 113-127.
Aparece como folleto: Lima, Peru, Sociedad Nacional Agraria, 1942. pp. xv-xxiii.
Tambien en: Vida Agricola (Peru) 19(227):701, 703, 705, 707, 709-712. Oct. 1942.
10632. VARGAS MENDEZ, J. & JARAMA D., J. ARMANDO. El maiz, su cultivo y control de las plagas. Peru, Estacion Experimental Agricola en Tingo Maria, Circular de Extension no. 36. 1954. 12 p. (mimeografiado)
Aparece tambien en: Chacra (Peru) no. 36:19-21, 49; no. 37:11-12. Junio-Julio, Agosto-Sept. 1955.
10633. YEPES Y., EMILIO A. Informe sobre el desarrollo del Programa de Mejoramiento de Maiz para tierra fria. En Reunion Centroamericana sobre Mejoramiento del Maiz, 1a, Turrialba, C. R., 1954. Proyecto Cooperativo Centroamericano. Turrialba, C. R., Instituto Interamericano de Ciencias Agricolas, 1954. pp. 269-272.

Uruguay

10634. AMARAL, CARLOS JULIO. La produccion de maiz en el Uruguay. Propaganda Rural (Uruguay) 45(925):32, 34, 36, 38, 40, 42, 79. Feb. 1947.
10635. _____ & CASANOVAS, ENRIQUE. Analisis economico - estadistico de la produccion del maiz en el Uruguay. Montevideo, Uruguay, Ministerio de Ganaderia y Agricultura, Direccion de Agronomia, 1945. 39 p. (no. 80)
10636. BOERGER, ALBERTO. Observaciones sobre agricultura; quince anos de trabajos fitotecnicos en el Uruguay. Montevideo, Imprenta Nacional, 1928. 580 p. Maiz, pp. 457-474.
10637. _____, CANEL, M. & BURDENSKI, D. Investigaciones con maiz efectuadas en la Estanzuela desde 1934/35 a 1938/39. Archive Fitotecnico del Uruguay 3(2):186-229. 1939. Summaries in English and German.
10638. LEZAMA, MIGUEL H. El aumento de los rendimientos en el trigo y maiz. Salto, San Antonio, Uruguay, Facultad de Agronomia, Escuela de Practica y Campo Experimental de Agronomia, 1930. 85 p.
10639. MONTANES, MARIA TERESA. Desarrollo de la agricultura en el Uruguay. Montevideo, Talleres Graficos D. Rural, 1948. 142 p. Maiz, pp. 41-46.
10640. NEAL, NORMAN P. Informe sobre cultivo de maiz en el Uruguay; consideraciones acerca de la agricultura nacional y enseñanza agraria. Montevideo, Uruguay, Administracion Nacional de Combustibles Alcohol y Portland, 1943. 54 p.
10641. NUNEZ, ANGEL. El maiz, cultivo nacional. Montevideo, Uruguay, Ministerio de Ganaderia y Agricultura, Direccion de Agronomia, 1945. 62 p. (Seccion de Divulgacion y Enseñanza, no. 81)
10642. _____ El maiz, cultivo nacional del Uruguay. Campo y Arado (Argentina) 2(20):61-62, 93. Nov.-Dic. 1946.

Venezuela

10643. FEBRES CORDERO, JULIO. Maiz de dos meses. Agricultor Venezolano 12(123):4-6. Mayo 1947.
10644. LANGHAM, D. G. Maiz dulce Venezuela-2, una nueva clase de maiz. Venezuela, Ministerio de Agricultura y Cria, Departamento de Genetica, Circular no. 3. 1942. 4 p.
10645. _____ Venezuela-1, una seleccion de maiz recomendable. Venezuela, Instituto Experimental de Agricultura y Zootecnia, Circular no. 2. 1942. 8 p.
10646. _____ & GORBEA, ORLANDO. Maiz blanco Venezuela-3, una seleccion de alto rendimiento. Venezuela, Ministerio de Agricultura y Cria, Departamento de Genetica, Circular no. 5. 1944. 3 p.
10647. _____ & OTROS. El maiz en Venezuela y su mejoramiento. Caracas, Venezuela, Litografica y Tipografica Vargas, 1945. 59 p. (3a Conferencia Interamericana de Agricultura, Caracas. Cuadernos Verdes, Serie Nacional no. 21)
10648. MEHREN, GEORGE L. El mercadeo de los productos agricolas en Venezuela. Caracas, Venezuela, Consejo de Bienestar Rural, 1954. 206 p.
Maiz, pp. 146-148.
10649. OBREGON, PEDRO. Informe de Venezuela. En Reunion Centroamericana sobre Mejoramiento del Maiz, 3a, Antigua, Guatemala, 1956. Proyecto Cooperativo Centroamericano. Turrialba, C. R., Instituto Interamericano de Ciencias Agricolas, 1956. pp. 62-62b.
10650. _____ Mejoramiento del maiz. Agricultor Venezolano 20(187):17-19. Abril 1956.
10651. _____ Mejoramiento de maiz en Venezuela. En Reunion Centroamericana sobre Mejoramiento del Maiz, 3a, Antigua, Guatemala, 1956. Proyecto Cooperativo Centroamericano. Turrialba, C. R., Instituto Interamericano de Ciencias Agricolas, 1956. pp. 45-46.

10652. PETERSON, LYALL E. & MONTESINO, JOSE V. El maiz en Venezuela (Corn in Venezuela). Caracas, Venezuela, Consejo de Bienestar Rural, 1949. 17 p.
10653. PRONOSTICO DE la cosecha de maiz de "invierno". Agricultor Venezolano 18(163):38-43. Julio-Agosto 1953.
10654. RESULTADO DE los ensayos de maiz efectuados en Maracay en 1951. Venezuela, Instituto Nacional de Agricultura, Division de Fitotecnica, Publicacion Mimeografiada no. 2. 1952. 15 p.
10655. VELASCO HERNANDEZ, ROBERTO. Diferencias en el rendimiento al beneficio industrial de las principales variedades de maiz venezolanos e influencia del contenido de humedad en los granos antes de proceder al beneficio, en el mismo rendimiento. Tesis sin publicar. Caracas, Venezuela, Universidad Central, Facultad de Ingenieria Agronomica, 1953. 21 p. (mimeografiado)
10656. VENEZUELA. CONSEJO DE BIENESTAR RURAL. Analisis del costo de produccion del maiz en 21 fincas parcialmente mecanizadas de los Estados Carabobo y Yaracuy durante el ano agricola 1953-1954. Caracas, 1955. 37 p.

APPENDIX

Titles received in the Library too late to be classified
(Titulos recibidos en la Biblioteca muy tarde para ser clasificados)

10657. ADAMS, M. W. & SHANK, D. B. The relationship of heterozygosity to homeostasis in maize hybrids. *Genetics* 44(5, pt.1): 777-786. Sept. 1959.
10658. ALVAREZ DE TOLEDO, RAMON. Recoleccion y conservacion del maiz. Espana, Ministerio de Agricultura, Servicio de Extension Agricola, s. f. 12 p. (El maiz, 5)
10659. BANGE, G. G. J. Interactions in the potassium and sodium absorption by intact maize seedlings. *Plant and Soil* 11(1):17-29. June 1959.
10660. BATEMAN, H. P. Effects of basic tillage methods and soil compaction on corn production. *Illinois Agricultural Experiment Station Bulletin* 645. 1959. 35 p.
10661. BOWDEN, J. A note on the occurrence of resistance in maize to an Agrotid stem borer. Ibadan, Nigeria, West African Maize Research Unit, Memorandum no. 14:14-19. 1958.
Sesamia botanephaga
10662. BRUNS, V. F. & DAWSON, J. H. Effects of DCB, DCB-xylene mixtures, amitrol, and sodium salt of dalapon in irrigation water on corn and rutabagas. *Weeds* 7(3):333-340. July 1959.
10663. BUNTING, E. S. & WILLEY, L. A. The cultivation of maize for fodder and ensilage. II. The effect of changes in plant density. *Journal of Agricultural Science* 52(3):313-319. June 1959.
10664. CALAD U., FERNANDO & HERNANDEZ C., MIGUEL. Ensayo comparativo entre el maiz y la torta de copra en el levante y engorde de cerdos. Medellin, Colombia, Facultad de Agronomia. *Revista* 19(52):1-24. Mayo 1959.

10665. CAMERON, JAMES W. & COLE, DONALD A. Effects of the genes su_1 , su_2 , and du on carbohydrates in developing maize kernels. *Agronomy Journal* 51(7):424-427. July 1959.
10666. _____ & EATON, FRANK M. Effects of a, B-dichloro-isobutyrate sprays in preventing pollen shedding in corn. *Agronomy Journal* 51(7):428-429. July 1959.
10667. CHIANG, H. C. & HOLDAY, F. G. Effect of Pyrausta nubilalis (Hbn.) on the growth of leaves and internodes of field corn. *Journal of Economic Entomology* 52(4):567-572. Aug. 1959.
10668. COMBATE DEL gusano cogollero del maiz. *Agricultor Venezolano* 23(209):40-41. Junio 1959.
10669. CONNELL, W. A. Estimating the abundance of corn earworm eggs. *Journal of Economic Entomology* 52(4):747-749. Aug. 1959. Heliothis zea (Boddie)
10670. COOK, F. S. Generative cycles of protein and transaminase in the growing corn radicle. *Canadian Journal of Botany* 37(4):621-639. July 1959.
10671. CRANE, PAUL L., MILES, S. R. & ALVEY, D. D. Performance of commercial dent corn hybrids in Indiana, 1954-1958. Indiana (Purdue) Agricultural Experiment Station Research Bulletin no. 671. 1958. 20 p.
10672. DAVIS, D. E., FUNDERBURK, H. H. & SANSING, N. G. The absorption and translocation of C^{14} -labeled simazin by corn, cotton, and cucumber. *Weeds* 7(3):300-309. July 1959.
10673. DICKSON, J. G., SYAMANADA, R. & FLANGAS, A. L. The genetic approach to the physiology of parasitism of the corn rust pathogens. *American Journal of Botany* 46(8):614-620. Oct. 1959.
10674. EIJNATTEN, C. L. M. VAN. Comments on the 1954/55 yield trials. Ibadan, Nigeria, West African Maize Research Unit. Memorandum no. 15. 1959. 9 p.
10675. ELLIS, R. T. Note on the layout of maize field trials. *Empire Journal of Experimental Agriculture* 27(107):241-242. July 1959.

10676. EMMERLING, M. H. Preferential segregation of structurally modified chromosomes in maize. *Genetics* 44(4, pt.1): 625-645. July 1959.
10677. ESCHENWALD, A., ORTIZ LUGO, C. & GONZALEZ CHAPEL A. Cultivo y enemigos del maiz. *Hacienda* 54(10):26-31, 46. Oct. 1959.
10678. EVERLY, RAY T. Influence of height and stage of development of dent corn on oviposition by European corn borer moths. *Entomological Society of America, Annals* 52(3): 272-279. May 1959.
10679. FLOYD, E. H., OLIVER, A. D. & POWELL, JOE DON. Damage to corn in Louisiana caused by stored-grain insects. *Journal of Economic Entomology* 52(4):612-615. Aug. 1959.
10680. GALINAT, WALTON C. The phytomer in relation to floral homologies in the American Maydeae. Harvard University. Botanical Museum Leaflets 19(1):1-32. Aug. 1959.
10681. GEORGIA. AGRICULTURAL EXPERIMENT STATION. 1958 Georgia corn performance tests. Athens, 1959. 9 p.
10682. GOMEZ ARNAU, JOSE ANTONIO. Cultivo del maiz en secano. Espana, Ministerio de Agricultura, Servicio de Extension Agricola, s. f. 12 p. (El maiz 8)
10683. GORSLINE, G. W. & KORMAN, G. W. 1958 corn performance studies. Pennsylvania Agricultural Experiment Station Progress Report 206. 1959. 20 p.
10684. GRAHAM, W. M. Fumigation of maize in a large shell-concrete building. *Journal of the Science of Food and Agriculture* 10(9):478-483. Sept. 1959.
10685. GRANER, E. A. & TOLEDO, F. FERRAZ DE. Milho: estudo comparativo entre variedades, hibridos, sinteticos e hibridos de sinteticos. *Revista de Agricultura (Brasil)* 34(1): 51-65. Marco 1959.
10686. GREEN, VICTOR E. & HARRIS, EMMETT D. Field corn tests Everglades area, 1959. Everglades (Florida) Experiment Station Mimeo Report 60-6. 1959. 6 p.

10687. GREEN, VICTOR E. & HARRIS, EMMETT D. Popcorn tests
Everglades area, 1952-1959. Everglades (Florida)
Experiment Station Mimeo Report 60-5. 1959. 15 p.
10688. HAGEMAN, R. H. & FLESHER, DONNA. The effect of light on
the activity of nitrate reductase and other enzymes
of corn plants. (Abstract) Plant Physiology
34(Suppl.):x. 1959.
10689. HAYES, WILLIAM A. Plow-planting corn saves soil, water,
and \$'s. Soil Conservation 24(11):255-256. June
1959.
10690. HAYNES, J. L., STRINGFIELD, G. H. & JOHNSON, W. H. Effect
of corn planting pattern on yield, root extension,
and interseeded cover crops. Agronomy Journal 51(8):
454-456. Aug. 1959.
10691. HENRY, V. C. R. Hybridization of maize and its possible
application to a local maize improvement programme.
Agricultural Society of Trinidad and Tobago. Journal
59(1):77, 79, 81, 83, 85, 87, 89, 91, 93, 95. Mar.
1959.
10692. HERRAIZ GARCIA, JAIME. Plagas y enfermedades del maiz.
Espana, Ministerio de Agricultura, Servicio de
Extension Agricola, s. f. 16 p. (El maiz 10)
10693. HOEN, K. & ANDREW, R. H. Performance of corn hybrids with
various ratios of flint-dent germ plasm. Agronomy
Journal 51(8):451-454. Aug. 1959.
10694. HOLMSEN, T. W. & TEAS, H. J. Tryptophan synthetase in
extracts of maize and peas. (Abstract) Plant
Physiology 34(Suppl.):vi. 1959.
10695. HUMPHREYS, T. E. & DUGGER, W. M. Effect of 2,4-dichloro-
phenoxyacetic acid and 2,4-dinitrophenol on the
uptake and metabolism of exogenous substrates by corn
roots. Plant Physiology 34(2):112-116. Mar. 1959.
10696. JOHNSON, M. W. & FRIANT, R. J. Hybrid corn performance
trials in West Virginia, 1958. West Virginia Agri-
cultural Experiment Station Current Report 21. 1959.
9 p.

10697. KIKUDOME, GARY Y. Studies on the phenomenon of preferential segregation in maize. *Genetics* 44(5, pt. 1):815-831. Sept. 1959.
10698. LEBEDEFF, G. A. & STACY, S. V. Georgia 102 - all purpose yellow corn hybrid for Georgia. *Georgia Agricultural Experiment Station Mimeograph Series n. s. 71.* 1959. 4 p.
10699. LINDLEY, GENE. Corn, raw material for industry. *Indiana (Purdue) Agricultural Experiment Station Report 1(3): 3-4.* Autumn 1958.
10700. McCAIN, F. S. & SCHULTZ, E. F. A method for determining areas for corn varietal recommendations. *Agronomy Journal* 51(8):476-478. Aug. 1959.
10701. MCKINSEY, RICHARD D. Glucose dissimilation in Ustilago maydis. *American Journal of Botany* 46(8):566-571. Oct. 1959.
10702. EL MAIZ hibrido en Europa. *Chacra (Argentina)* 29(345):98. Agosto 1959.
10703. MAZOTI, L. B. & MUHLENBERG, C. E. Haploides naturales en maiz. *Revista Argentina de Agronomia* 25(4):171-178. Dic. 1958.
10704. MOLDENHAUER, W. C. & WESTON, F. C. Some relationships between climate and yields of corn and wheat in Spink County, South Dakota, and yields of milo and cotton at Big Spring, Texas. *Agronomy Journal* 51(7):373-376. July 1959.
10705. NELSON, C. E. What causes corn stalk breakage? *Crops and Soils* 11(9):15-16. June-July 1959.
10706. OSLER, R. D. El maiz hibrido de Mexico. *Chapingo (Mexico)* 12(73):213-215. Feb. 1959.
10707. PARKER, D. T. & BURROWS, W. C. Root and stalk rot in corn as affected by fertilizer and tillage treatment. *Agronomy Journal* 51(7):414-417. July 1959.
10708. PUMPHREY, F. V. & KOEHLER, F. E. Symptoms and control of zinc deficiency in corn. *Nebraska Agricultural Experiment Station Circular 102.* 1959. (folded leaflet)

10709. QUEIPO DE LLANO, JAIME. El maiz como cultivo forrajero. Espana, Ministerio de Agricultura, Servicio de Extension Agricola, s. f. 12 p. (El maiz 7)
10710. RALLO, TOMAS. El maiz hibrido. Espana, Ministerio de Agricultura, Servicio de Extension Agricola, s. f. 12 p. (El maiz 1)
10711. RUARK, ROBERT G. La elaboracion humeda del maiz. Hacienda 54(8):16, 18. Agosto 1959.
10712. RUMBAUGH, M. D. & LONNQUIST, J. H. Inbreeding depression of diallel crosses of selected lines of corn. Agronomy Journal 51(7):407-412. July 1959.
10713. SASS, JOHN E. & LOEFFEL, FRANK A. Development of axillary buds in maize in relation to barrenness. Agronomy Journal 51(8):484-486. Aug. 1959.
10714. SMITH, JAMES H. C., DURHAM, LOUIS J. & WURSTER, CHARLES F. Formation and bleaching of chlorophyll in albino corn seedlings. Plant Physiology 34(3):340-345. May 1959.
10715. SPRAGUE, G. F., RUSSELL, W. A. & PENNY, L. H. Recurrent selection for specific combining ability and type of gene action involved in yield heterosis in corn. Agronomy Journal 51(7):392-394. July 1959.
10716. STANTON, W. R. Considerations in the formulation of a programme of breeding for resistance to the noctuid stem borers. Ibadan, Nigeria, West African Maize Research Unit, Memorandum no. 14:1-13. 1958.
10717. STRAUSS, JACOB. Biosynthesis of anthocyanin in corn endosperm tissue cultures. (Abstract) Plant Physiology 34(Suppl.):xiii. 1959.
10718. STRINGFIELD, G. H. Performance of corn hybrids in mixtures. Agronomy Journal 51(8):472-473. Aug. 1959.
10719. _____ & HAYNES, J. L. Wide corn-row spaces and wheat interseedings. Agronomy Journal 51(7):390-391. July 1959.

10720. STRUVE, W. M. & LOOMIS, W. E. Physiological effects in drying corn. (Abstract) Plant Physiology 34(Suppl.):vii. 1959.
10721. TEAS, H. J. Production of a red pigment in certain genotypes of maize. (Abstract) Plant Physiology 34(Suppl.):xiv. 1959.
10722. URQUIJO CHACON, JAIME. El maiz como pienso. Espana, Ministerio de Agricultura, Servicio de Extension Agricola, s. f. 12 p. (El maiz 6)
10723. URQUIJO Y LANDECHO, ALFONSO DE. Abonado y sintomas de carencia en el maiz. Espana, Ministerio de Agricultura, Servicio de Extension Agricola, s. f. 12 p. (El maiz 4)
10724. VADELL, MIGUEL. Cultivo del maiz hibrido. Espana, Ministerio de Agricultura, Servicio de Extension, s. f. 12 p. (El maiz 2)
10725. _____ Cultivos asociados al maiz. Espana, Ministerio de Agricultura, Servicio de Extension Agricola, s. f. 12 p. (El maiz 9)
10726. _____ Maices hibridos precoces y tardios. Espana, Ministerio de Agricultura, Servicio de Extension Agricola, s. f. 12 p. (El maiz 3)
10727. VAN SCHAIK, NANCY WORNER & BRINK, ALEXANDER. Transpositions of modulator, a component of the variegated pericarp allele in maize. Genetics 44(4):725-738. July 1959.
10728. VERMA, R. D. & SHARMA, J. C. Effect of different doses of nitrogen and phosphorus - placed and broadcast - and of row spacings on maize. Indian Journal of Agricultural Science 28(1):13-20. Mar. 1958.
10729. VIEGAS, GLAUCO PINTO. Trabalhos experimentais com o milho no Estado de Sao Paulo. Agronomico (Brasil) 10(7-8): 1-4. Agosto 1958.
10730. _____ & FREIRE, E. S. Adubacao do milho. XI. Efeito residual do fosforo. Bragantia 17(21):271-287. Dez. 1958.

10731. VIEGAS, GLAUCO PINTO & FREIRE, E. S. Adubacao do milho.
XII. Efeito residual do potassio. Bragantia
17(25):345-354. Dez. 1958.
10732. WHITEHAIR, NORMAN V. & BOHANNON, R. A. Corn kernel damage.
Kansas Agricultural Extension Service Leaflet 59.
1959. (Folded leaflet)
10733. WHITLAW, J. T., PHILLIPS, W. G. & DITMAN, L. P. Observations on commercial application of insecticides for control of sap beetles on sweet corn. Journal of Economic Entomology 52(4):640-642. Aug. 1959.
10734. ZWIJSEN, R. L'amélioration de la culture du maïs à Nioka.
Bulletin Agricole du Congo Belge 50(3):661-674.
Juin 1959.

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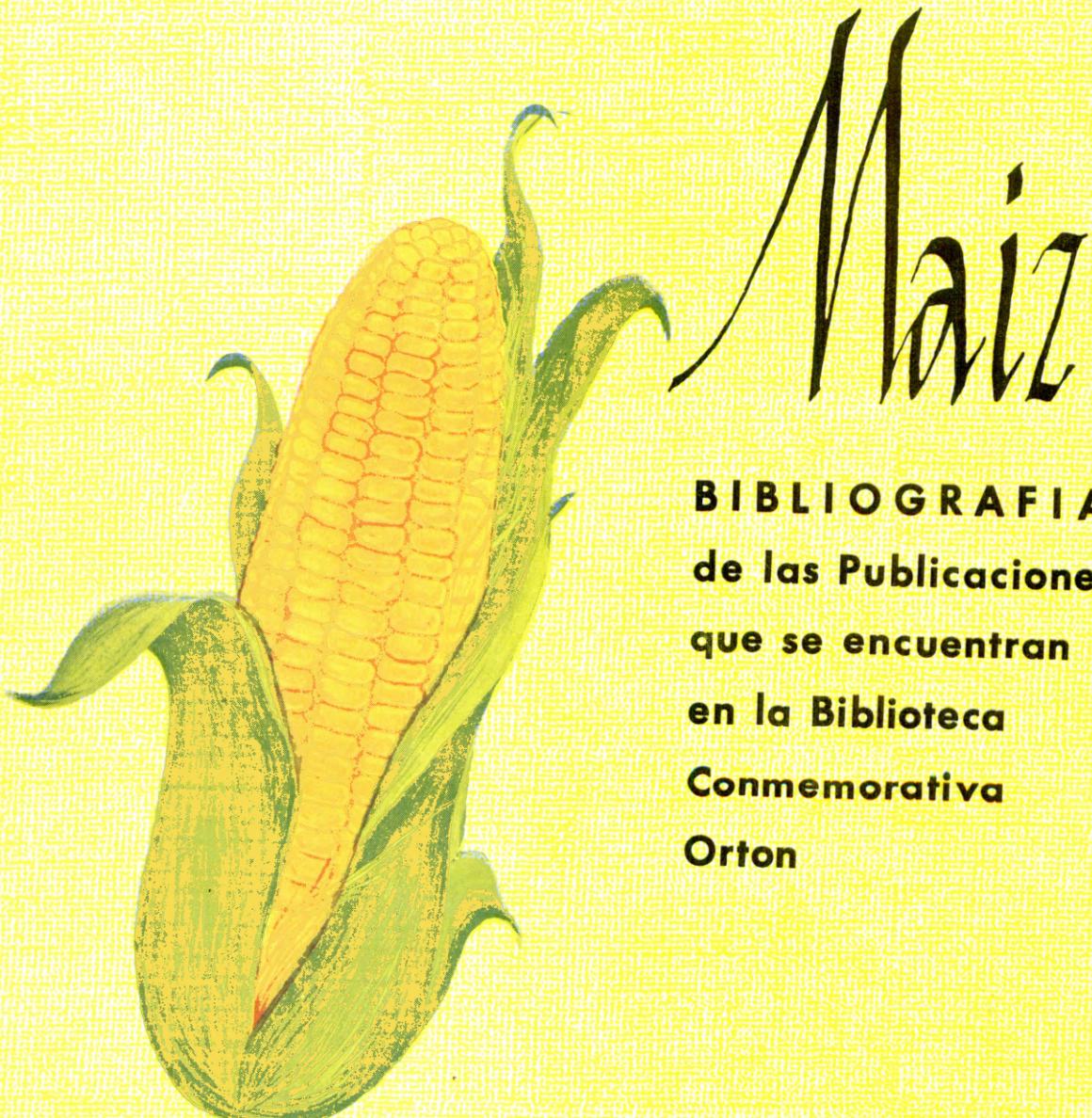
- Yamasaki, Yoshito 1974, 2684
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Bibliografías No.3 - Suplemento No.1

Junio 1964



**BIBLIOGRAFIA
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PREFACIO

Como nº 3 de su Serie Bibliográfica, la Biblioteca Conmemorativa Orton publicó en 1960* dos tomos de bibliografía sobre el cultivo MAIZ. La compilación se hizo en base de publicaciones recibidas desde 1953 hasta 1960 en la Biblioteca. Incluye libros, folletos y artículos de revistas.

Este Suplemento es el nº 1 de la serie. Contiene un total de 1.584 entradas bibliográficas y cubre el período desde octubre de 1960 hasta junio de 1964. Como los volúmenes originales, también incluye libros, folletos y artículos de revistas recibidas en esta Biblioteca. En su compilación se ha seguido el mismo plan adoptado por la obra básica. Consta de dos secciones. En la primera parte se registran, clasificados según el esquema que se indica en la Tabla de Contenido, todos los trabajos incluidos. Dentro de cada asunto, las referencias están arregladas por orden alfabético de autores, y numeradas consecutivamente. En muchos de los casos, los trabajos se han clasificado bajo distintos tópicos según las materias que traten.

La segunda parte consta de un índice alfabético de autores. Estos son referidos a la numeración consecutiva que acompaña a cada referencia en la sección clasificada.

En la redacción de las referencias bibliográficas se han aplicado las Normas de Estilo Oficiales del IICA, vigentes desde setiembre de 1963.

Aparte de servir como publicación de referencia a los investigadores interesados en maíz, la lista puede ser utilizada como base para solicitar el servicio de fotocopia que ofrece nuestra biblioteca.

A las personas que intervinieron en el trabajo relacionado con la elaboración de esta lista les damos aquí nuestro sincero agradecimiento sin mencionar los nombres, ya que serían muchos. Sin embargo, queremos expresar agradecimiento especial al Sr. Hugo Cáceres, Bibliógrafo de nuestra Biblioteca, y al Ing. Heleodoro Miranda, Genetista del Instituto.

Olga Lendvay bva
Bibliotecaria Jefe

* MARTINEZ, ANGELINA y JAMES, C. NOEL. Maíz; bibliografía de las publicaciones que se encuentran en la Biblioteca Conmemorativa Orton. Turrialba, Costa Rica, Instituto Interamericano de Ciencias Agrícolas, Biblioteca Conmemorativa Orton, 1960. 2 v. (Lista bibliográfica nº 3).

PREFACE

As nº 3 of its Bibliographical Series, the Orton Memorial Library published in 1960* a two volume of bibliography on the CORN crop. The compilation was done on the basis of publications received in the Library from 1953 to 1960. It includes books, pamphlets and articles appearing in periodicals.

This is the first Supplement of the series. It includes a total of 1,584 bibliographical entries and covers the period from October 1960 to June 1964. Like the original volume, it includes books, pamphlets and articles received in this Library. The same plan adopted by the basic work has been used for compilations of the Supplement. It is divided in two parts. The first part is a list of all the publications included, classified according to the scheme used in the Table of Contents. Within the subjects, the references are arranged according to alphabetical order of authors, and are numbered consecutively. In many cases, the papers have been classified under several topics, according to the subjects they treat.

The second part is an alphabetical index of authors. These are referred to the consecutive numbers which accompany every reference in the classified section.

The bibliographical references have been constructed according to the Official Rules of the IAIAS, in use from September 1963.

The list can be used not only as a reference publication, but also as a basis for requests of photocopy service offered by our Library.

To those persons who helped with the work related to preparation of this list we give our most sincere thanks, without mentioning their names. However, we wish to express especially our appreciation to Mr. Hugo Cáceres, Bibliographer of this Library, and to Ing. Heleodoro Miranda, Geneticist of the Institute.

Olga Lendvayova
Chief Librarian

* MARTINEZ, ANGELINA y JAMES C. NOEL. Corn; bibliography of publication available in the Orton Memorial Library. Turrialba, Costa Rica, Inter-American Institute of Agricultural Sciences, Orton Memorial Library, 1960. 2 v. (Bibliographical lists nº 3).

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GENERAL
(GENERAL)

2. BLOSSER, R. H. Your guide to corn and soybean profits. *Crops and Soils* 15(5):12-13. 1963.
3. CORDS, H. P. y GREGORY, E. J. Corn. Nevada Agricultural Experiment Station. Progress Report 1961-1962. Circular nº 35. 1962. pp. 10-11.
4. DONOVAN, L. S., MORTIMORE, C. G. y GRIESBRECHT, J. Growing corn. Canada. Department of Agriculture. Publication 1025. 1963. 18 p.

First published as "Field corn production in Canada", October 1957.
5. FUENTES O., A. Glosario de expresiones locales de Guatemala, usadas en el cultivo de maíz. In Reunión Centroamericana sobre el Mejoramiento del Maíz, 5a., Panamá, 1959. Proyecto Cooperativo Centroamericano. México, Editorial Comaval, s.f. pp. 66-67.
6. FUNDACION SHELL. 10 años del Servicio Shell para el Agricultor. Cagua, Aragua, Venezuela, 1962. 118 p.

Maíz pp. 60-65.
7. GREEN, et al. El maíz para los trópicos. Hacienda 1963: 37-38, 40. Marzo 1963.

8. HATTINGH, I. D. y WYK, S. P. VAN. Save my maize how? Farming in South Africa 36(6):33-38. 1960.
9. HERRERA KLINDT, B. y MOSQUERA, E. Manual práctico del campesino: cultivo del maíz. Caracas, Consejo de Bienestar Rural, 1962. s.p.
10. EL MAIZ. Boletín Agricola (Colombia) nº 495:8268-8270. 1961.
11. EL MAIZ. Chacra (Argentina) 34(400):36-37. 1964.
12. MAIZ. In México. Secretaría de Agricultura y Ganadería. El CIANO y el noroeste; 4 años de labor. s.p.i. pp. 26-35.
13. MAIZE, INDIAN corn, corn. Asgrow Farmer nº 26-E:1-7. 1963.
También en español en: Agricultor Asgrow nº 26-S:1-3. 1963.
14. MAIZE: WHAT'S the alternative crop?. Rhodesia Agricultural Journal 60(2):57, 60. 1963.
15. MAIZE: WHAT'S the alternative crop?. 6 castor beans. Rhodesia Agricultural Journal 60(4):117-118. 1963.
16. MILHO: O grão de ouro. Rural 41(483):53-55. 1961.
17. MILHO: O grão de ouro. Rural 41(488):32-34. 1961.
18. MOORE, R. P. Seed vigor or soundness and corn improvement. Seed World 94(4):6, 8-10. 1964.
19. NEAL, N. P. El maíz. Esso Agrícola 19(2):16-24. 1963.
Also in English with the title: Corn. Esso Cultivator 3(2):16-24. 1963.
20. PRETER, E. DE. Le mais. Institut National pour L'Etude Agronomique du Congo. Bulletin d'Information 11(4-6): 239-242. 1962.
21. RICHEY, F. D. El cultivo del maíz. Boletín de la Compañía Administradora del Guano (Perú) 10(12):391-410. 1934.
22. SANCHEZ DURON, N. Como producir más maíz en las regiones tropicales. Panorama Agrícola Nacional (México) 1(14): 22-25. 1963.

23. SCHEUCH, F., PAULETTE, M. y ARCA, M. Cultivo del maíz en la costa. Chacra (Perú) 17(85):9-14,20. 1964.
24. SERVICIO SHELL PARA EL AGRICULTOR. Maiz. Cagua, Aragua, Venezuela, Fundación Shell, 1962. 54 p. (Serie A nº 19)
25. STINSON, T. B. Tribune Branch Experiment Station report on corn, sorghums, sudan-grass and safflower. Kansas Agricultural Experiment Station. Bulletin 425. 1960. 14 p.
26. THOMAS, P. E. L. Maize, cotton, groundnuts. Rhodesia Agricultural Journal 60(1):34-35. 1963.
27. WHAT IS the future role of dwarf corn?. Crops & Soils 12(9): 9-11. 1960.

LA PLANTA DEL MAIZ
(THE CORN PLANT)

28. HANWAY, J. J. The marvelous corn plant. Plant Food Review 10(1):2-3. 1964.

Historia y Origen
(History and Origin)

29. CULTIVO, USOS y origen del maíz. Chacra (Perú) 14(68): 35-39. 1961.
30. GALINAT, W. C., CHAGANTI, R. S. K. y HAGER, F. D. Tripsacum as a possible amphidiploid of wild maize and manisuris. Harvard University. Botanical Museum Leaflets 20(9): 289-316. 1964.
31. HISTORIA, TAXONOMIA y utilidad del maíz. Hacienda 58(8): 30-32. 1963.

Adaptado de Texas Agricultural Progress, The A & M College of Texas.

32. JENKINS, M. T. Algunos parientes botánicos del maíz. *Granja* (México) 6(68):2-3. 1961.
33. MANGELSDORF, P. C. Origem do milho. In *Brasil, Rio Grande do Sul, Secretaria da Agricultura. Milho: origem, cultivo, colheitas, conservação, utilidade.* Porto Alegre, 1959. pp. 3-8.
34. MANGELSDORF, C. P., MACNEISH, R. S. y GALINAT, W. C. Domestification of corn; archeological excavations have uncovered prehistoric wild corn and show how it evolved under domestication. *Science* 143(3606):538-545. 1964.
35. MILHO UMA cultura civilizadora. *Mundo Agrícola (Brasil)* 4:21-22. 1955.
36. ONION, D. K. Corn in the culture of Mohawk Iroquois. *Economic Botany* 18(1):60-66. 1964.
37. PARKER VELEZ, I. Preagrupación racial de maices chilenos. In *Reunión Latinoamericana de Fitotecnia, 5a., Buenos Aires, 1961. Actas.* Buenos Aires, Instituto Nacional de Tecnología Agropecuaria, 1963. vol. II, pp.257-258.
38. RAMIREZ, R. et al. Descripción preliminar de las razas de maíz de Ecuador y Venezuela. In *Reunión Latinoamericana de Fitotecnia, 4a, Santiago de Chile, nov. 24-dic. 6, 1958. Actas.* Santiago de Chile, Ministerio de Agricultura, 1961. pp. 261-269.
39. _____ et al. Razas de maíz en Bolivia. Colombia, Ministerio de Agricultura, Oficina de Investigaciones Especiales, División de Investigaciones Agropecuarias. *Boletín Técnico* nº 9. 1961. 157 p.
También en inglés con el título: *Races of maize in Bolivia. US. National Academy of Sciences. National Research Council. Publication nº 747. 1960. 159 p.*
40. WELLHAUSEN, E. J. Colección, identificación y evaluación de maíces criollos en América Central. In *Reunión Centroamericana sobre Mejoramiento del Maíz, 5a., Panamá, 1959. Proyecto Cooperativo Centroamericano.* México, Editorial Comaval, s.f. pp. 7-8.

Morfología
(Morphology)

41. BERKO, N. F. The role of various types of corn roots in plant nutrition and their physiological features under irrigation. Soviet Plant Physiology 10(1):18-23. 1963.
- Edición en inglés.
42. CHANG, CH. W. y BANDURSKI, R. S. Exocellular enzymes of corn roots. Plant Physiology 39(1):60-64. 1964.
43. EIJNATTEN, C. L. M. VAN. Some more information on the variability of the tasselling time (period of anthesis) of maize. Nigeria, Federal Department of Agricultural Research. Memorandum nº 45. 8 p.
44. FEATHER, M. S. y WHISTLER, R. L. Isolation and characterization of the principal hemicellulose from corn germ. Archives of Biochemistry and Biophysics 98(1):111-115. 1962.
45. HANSON, J. B. The yield of mitochondrial material from maize roots. Physiologia Plantarum 16(4):814-821. 1963.
46. KUMAZAWA, M. Studies on the vascular course in maize plant. Phytomorphology 2(1-2):128-139. 1961.
47. MURDY, W. H. The strengthening system in the stem of maize. Annals of the Missouri Botanical Garden 47(3):205-226. 1960.
48. NAIR, P. K. K. Pollen grains of cultivated plants. III. Great millet and maize. Indian Journal of Agricultural Science 32(3):196-200. 1962.
49. STEIN, O. L. y FORRESTER, G. M. The effect of high concentrations of heavy water on root morphogenesis in Zea mays. Journal of Experimental Botany 15(43):146-159. 1964.
50. WHALEY, W. G. et al. Developmental changes in the golgi-apparatus of maize root cells. American Journal of Botany 46(10):743-751. 1959.

Fisiología
(Physiology)

Absorción, Respiración, Translocación, Transpiración, Crecimiento y Evolución
(Absorption, Respiration, Translocation, Transpiration, Growth & Movement)

51. ALLEN, L. H., YOCUM, C. S. y LEMON, E. R. Photosynthesis under field conditions. VII. Radiant energy exchanges within a corn crop canopy and implications in water use efficiency. *Agronomy Journal* 56(3):253-259. 1964.
52. ALLISON, J. C. Use of the day-degree summation technique for specifying flowering times of maize varieties at different localities in Southern Africa. *Rhodesian Journal of Agricultural Research* 1(1):22-28. 1963.
53. ALLMARAS, R. R., BURROWS, W. C. y LARSON, W. E. Early growth of corn as affected by soil temperature. *Soil Science Society of America. Proceedings* 28(2):271-275. 1964.
54. ARCA, M. N. y GARCIA ALVAREZ, J. V. Efecto del contenido de humedad del suelo en la germinación de la semilla de maíz. *Anales Científicos (Perú)* 1(1):80-105. 1963.
55. AUBERTIN, G. M. y PETERS, D. B. Net radiation determinations in a cornfield. *Agronomy Journal* 53(4):269-272. 1961.
56. BAKER, D. E. et al. Technique for rapid analyses of corn leaves for eleven elements. *Agronomy Journal* 56(2): 133-136. 1964.
57. BAKER, D. N. y MUSGRAVE, R. B. The effects of low level moisture stresses on the rate of apparent photosynthesis in corn. *Crop Science* 4(3):249-253. 1964.
58. _____ y MUSGRAVE, R. B. Photosynthesis under field conditions. V. Further plant chamber studies of the effects of light on corn (*Zea mays* L.). *Crop Science* 4(2):127-131. 1964.
59. BARTON, L. V. Life-span of frost-damaged corn seeds. Boyce Thompson Institute. Contributions 20(7):403-408. 1960.
60. BAVEL, C. H. M. VAN y HARRIS, D. G. Evapotranspiration rates from Bermudagrass and corn at Raleigh, North Carolina. *Agronomy Journal* 54(4):319-322. 1962.

61. BEREZINA, N. M. y YAZYKOVA, V. A. The effects of ionizing radiations on the peroxidase activity in corn sprouts after irradiation prior to planting. Radiobiology (Russia) 3(2):39-44. 1963.

Edición en inglés.

62. BERGER, K. C. Conozca usted las deficiencias de su maíz. Revista de Agricultura (Costa Rica) 36(4):116-117. 1964.

Traducido de: Plant Review, National Plant Food Institute, Washington, D. C.

63. BERKO, N. F. The role of various types of corn roots in plant nutrition and their physiological features under irrigation. Soviet Plant Physiology 10(1):18-23. 1963.

Edición en inglés.

64. BERTRAND, M. D. Carence expérimentale en zinc chez le pois et le maïs: premiers résultats. Academie d'Agriculture de France. Comptes Rendus 48(4):204-225. 1962.

65. BHAN, K. C., WALLACE, A. y KROHN, E. J. Effect of pH and nitrogen source on the ability of corn and soybean to obtain iron chelated with ethylenediamine di(o-hydroxyphenylacetate). Agronomy Journal 54(2):119-121. 1962.

66. BRIGGS, W. R. Mediation of phototropic responses of corn coleoptiles by Lateral transport of Auxin. Plant Physiology 38(3):237-247. 1963.

67. BRITIKOV, E. A. y LEBEDEVA, Z. V. Physiological effect of x-irradiated pollen on self-fertilization in corn. Doklady (Rusia) 149(1-6):513-515. 1963.

Edición en inglés.

68. CACKETT, K. E. y METELERKAMP, R. R. Evapotranspiration of maize in relation to open-pan evaporation and crop development. Rhodesian Journal of Agricultural Research 2(1):35-44. 1964.

69. CASTELFRANCO, P., FOY, CHESTER L. y DEUTSCH, DEBORAH B. Non-enzymatic detoxification of 2-Chloro-4,6-bis (ethylamino)-s-triazine (simazine) by extracts of Zea mays. Weeds 9(4):580-591. 1961.

70. COARACY, M. y FRAGA, C. G., Jr. Efeito do acumulo de BHC no solo sobre o desenvolvimento do milho. In Reunión Latinoamericana de Fitotecnia, 4a., Santiago de Chile, nov. 24 - dic. 6, 1958. Actas. Santiago de Chile, Ministerio de Agricultura, 1961? pp. 125-128.
71. CORNELIUS, P. L., RUSSELL, W. A. y WOOLLEY, D. G. Effect of topping on moisture loss, dry matter accumulation and yield of corn grain. Agronomy Journal 53(5):285-289. 1961.
72. CUPINA, T. The compensation point and saturation of photosynthesis of corn leaves and sorghum in dependence upon light intensity. Archives of Biological Sciences (Yugoslavia) 14(3-4):117-124. 1962.
73. CHERRY, J. H. et al. Acid-soluble nucleotides and ribonucleic acid of different corn inbreds and single-cross hybrids. Crop Science 1(2):133-137. 1961.
74. _____ et al. Effects of X irradiation on corn seed. Plant Physiology 36(5):566-572. 1961.
75. _____ y HAGEMAN, R. H. Nucleotide & ribonucleic acid metabolism of corn seedlings. Plant Physiology 36(2): 163-168. 1961.
76. DENMEAD, O. T., FRITSCHEN, L. J. y SHAW, R. H. Spatial distribution of net radiation in a corn field. Agronomy Journal 54(6):505-510. 1962.
77. DOROVSKAYA, I. F. Formation and photosynthetic activity of assimilating surface of imbred and hybrid corn. Soviet Plant Physiology 9(5):506-509. 1963.
78. DU TOIT, J. J. Prevent molybdenum deficiencies in maize. Farming in South Africa 38(7):36-37. 1962.
79. EASTIN, E. F., PALMER, R. D. y GROGAN, C. O. Effect of a atrazine on catalase and peroxidase in resistant and susceptible lines of corn. Weeds 12(1):64-65. 1964.
80. ERMILOV, G. B. y SHARAEV, Y. D. Leaf productivity and plant growth in corn. Doklady (Rusia) 130(1-6):39-41. 1960.

Edición en inglés.

81. _____ Some peculiarities of water absorption by maize seeds. Plant Physiology (Rusia) 7(1):36-41. 1960.

Edición en inglés.

82. ERMILOV, G. B. Dependence of leaf productivity of corn on the internal plant processes. Soviet Plant Physiology 9(4): 315-317. 1963.
- Edición en inglés.
83. FEATHER, M. S. y WHISTLER, R. L. Isolation and characterization of the principal hemicellulose from corn germ. Archives of Biochemistry and Biophysics 98(1):111-115. 1962.
84. FOTH, H. D., KINRA, K. L. y PRATT, J. N. Corn root development. Michigan Agricultural Experiment Station. Quarterly Bulletin 43(1):2-13. 1960.
85. FRITSCHEN, L. J. y SHAW, R. H. Evapotranspiration for corn as related to pan evaporation. Agronomy Journal 53(3): 149-150. 1961.
86. _____ y SHAW, R. H. Transpiration and evapotranspiration of corn as related to meteorological factors. Agronomy Journal 53(2):71-74. 1961.
87. FUNDERBURK, H. H., Jr. y DAVIS, D. E. The metabolism of C Chain -and ring- Labeled Simazine by corn and the effect of Atrazine on plant respiratory systems. Weeds 11(2): 101-104. 1963.
88. _____ y PORTER, W. K., Jr. Effects of N-(3,4-dichlorophenyl) methacrylamide on growth and certain respiratory enzymes of corn. Weeds 9(4):538-544. 1961.
89. _____ y PORTER, W. K., Jr. Effect of N-(3,4-dichlorophenyl) methacrylamide on the oxidation of ascorbic acid by corn. Weeds 9(4):545-557. 1961.
90. GERBER, J. F. y DECKER, W. L. Evapotranspiration and heat budget of a cornfield. Agronomy Journal 53(4):259-261. 1961.
91. GERDEMANN, J. W. The effect of mycorrhiza on the growth of maize. Mycologia 61(3):342-349. 1964.
92. GRUNES, D. L. et al. Zinc deficiency of corn and potatoes as related to soil and plant analysis. Agronomy Journal 53(2):68-71. 1961.
93. GUERRERO S., D. Problemas de las pruebas de germinación de maíz y frijol. In Reunión Centroamericana sobre Mejoramiento del Maíz, 9a., San Salvador, El Salvador, 1963. Proyecto Cooperativo Centroamericano. México, s.f. pp. 60-62.

94. HAGEMAN, R. H., FLESHER, D. y GITTER, A. Diurnal variation and other light effects influencing the activity of nitrate reductase and nitrogen metabolism in corn. *Crop Science* 1(3):201-204. 1961.
95. HALE, M. G., ROANE, C. W. y HUANG, M. R. C. Effects of growth regulators on size and number of leaf spots, and on O₂ uptake and extension growth of coleoptile sections of corn inbred lines K41 and K44. *Phytopathology* 52(3):185-191. 1962.
96. HANDLEY, R. y OVERSTREET, R. Sodium chloride, calcium chloride, and the respiration of maize root sections. *Science* 135(3505):731-732. 1962.
97. _____ y OVERSTREET, R. Uptake of strontium by roots of Zea mays. *Plant Physiology* 38(2):180-184. 1963.
98. HANWAY, J. J. Corn growth and composition in relation to soil fertility. I. Growth of different plant parts and relation between leaf weight and grain yield. *Agronomy Journal* 54(2):145-148. 1962.
99. _____ Corn growth and composition in relation to soil fertility. II. Uptake of N, P, and K and their distribution in different plant parts during the growing season. *Agronomy Journal* 54(3):217-222. 1962.
100. _____ Corn growth and composition in relation to soil fertility. III. Percentages of N, P and K in different plant parts in relation to stage of growth. *Agronomy Journal* 54(3):222-229. 1962.
101. _____ Growth stages of corn (Zea mays, L.). *Agronomy Journal* 55(5):487-492. 1963.
102. HARLEY, J. L. y BEEVERS, H. Acetate utilization by maize roots. *Plant Physiology* 38(1):117-123. 1963.
103. HASKINS, F. A. Chromatographic study of ninhydrin-positive substances in etiolated shoots from control and irradiated maize seeds. *Crop Science* 1(3):219-221. 1961.
104. _____ y DOWNS, S. C. Activities of acid phosphatase, peroxidase, and polyphenolase in etiolated shoots from control and irradiated maize seeds. *Agronomy Journal* 53(2):90-93. 1961.

- 105: HELLEBUST, J. A. y FORWARD, D. F. The invertase of the corn radicle and its activity in successive stages of growth. Canadian Journal of Botany 40(1):113-126. 1962.
106. HESKETH, J. D. y MUSGRAVE, R. B. Photosynthesis under field conditions. IV. Light studies with individual corn leaves. Crop Science 2(4):311-315. 1962.
107. HICKS, C. B. Contribuye la música al desarrollo del maíz? INAGRA (Venezuela) 3(35):75-77. 1964.
108. HOYT, P. y BRADFIELD, R. Effect of varying leaf area by partial defoliation and plant density on dry matter production on corn. Agronomy Journal 54(6):523-525. 1962.
109. JENSEN, C. R. y KIRKHAM, D. Labeled oxygen: increased diffusion rate through soil containing growing corn roots. Science 141(3582):735-736. 1963.
110. JONES, J. B., Jr. Effect of drying on ion accumulation in corn leaf margins. Agronomy Journal 55(6):579-580. 1963.
111. JOYA BERMUDEZ, G. Comprobación del coeficiente K de consumo de agua en maíz, según la fórmula de Blaney y Cliddle: $U = K \cdot F$. Acta Agronómica 11(1/2):45-61. 1961.
112. KADDAH, M. T. y GHOWAIL, S. I. Salinity effects on the growth of corn at different stages of development. Agronomy Journal 56(2):214-217. 1964.
113. KEPFORD, R. Respiración y luminosidad controladas en el cultivo de maíz. Agricultura de las Américas 9(4):42-43. 1960.
114. KEY, J. L. Studies on 2,4-D-induced changes in ribonucleic acid metabolism in excised corn mesocotyl tissue. Weeds 11(3):177-181. 1963.
115. KIZILOVA, E. G. Certain physiological peculiarities in germination of freshly gathered corn seeds. Plant Physiology (Rusia) 7(5):450-454. 1961.
Edición en inglés.
116. KNIPMEYER, J.W. et al. Effect of light on certain metabolites of the corn plant (Zea mays L.). Crop Science 2(1):1-5. 1962.

117. KNOLL, H. A., LATHWELL, D. J. y BRADY, N. C. Effect of root zone temperature at various stages of the growing period on the growth of corn. *Agronomy Journal* 56(2):143-145. 1964.
118. _____, LATHWELL, D. J. y BRADY, N. C. Effect of soil temperature and phosphorus fertilization on the growth and phosphorus content of corn. *Agronomy Journal* 56(2): 145-147. 1964.
119. _____, LATHWELL, D. J. y BRADY, N. C. The influence of root zone temperature on the growth and contents of phosphorus and anthocyanin of corn. *Soil Science Society of America. Proceedings* 28(3):400-403. 1964.
120. KORNEEV, P. K. The effect of pre-sowing stimulation of maize on certain physiological processes and on crop yield. *Soviet Plant Physiology* 9(5):493-497. 1963.
- Edición en inglés.
121. KULESHOV, N. N. y MARCHENKO, L. A. Method for studying the corn root system. *Soviet Plant Physiology* 9(5):503-506. 1963.
- Edición en inglés.
122. MCKEE, G. W. A coefficient for computing leaf area in hybrid corn. *Agronomy Journal* 56(2):240-241. 1964.
123. MALCA, I., HUFFAKER, R. C. y ZSCHEILE, F. P., Jr. Stimulation and depression of cell-free carboxylating systems in relation to development of the *Helminthosporium* leaf spot disease of maize. *Phytopathology* 54(6):663-669. 1964.
124. MANS, R. J., PURCELL, CARIDAD MARIA, y NOVELLI, G. D. The involvement of soluble ribonucleic acid in amino acid incorporation by a maize system. *Journal of Biological Chemistry* 239(6):1762-1768. 1964.
125. MEDERSKI, H. J. y WILSON, J. H. Relation of soil moisture to ion absorption by corn plants. *Soils Science Society of America. Proceedings* 24(3):149-152. 1960.
126. MIFLIN, B. J. y HAGEMAN, R. H. Demonstration of photophosphorylation by maize chloroplasts. *Plant Physiology* 38(1):66-70. 1963.

127. MORRIS, R. y FROLIK, E. F. The effects of irradiating dormant maize seeds with X rays and thermal neutrons. Nebraska Agricultural Experiment Station. Research Bulletin 202. 1961. 47 p.
128. MOSS, D. N., MUSGRAVE, R. B. y LEMON, E. R. Photosynthesis under field conditions. III. Some effects of light, carbon dioxide, temperature, and soil moisture on photosynthesis, respiration, and transpiration of corn. Crop Science 1(2):83-87. 1961.
129. MURDY, W. H. The strengthening system in the stem of maize. Annals Missouri Botanical Garden 47(3):205-226. 1960.
130. MUSGRAVE, R. B. y MOSS, D. N. Photosynthesis under field conditions. I. A portable, closed system for determining net assimilation and respiration of corn. Crop Science 1(1):37-41. 1961.
131. NICKERSON, N. H. Sustained treatment with gibberellic acid of maize plants carrying one of the dominant genes teopod and corn-grass. American Journal of Botany 47(10):809-815. 1960.
132. y EMBLER, T. N. Studies involving sustained treatment of maize with gibberellic acid. I. Further notes on responses of races. Annals of the Missouri Botanical Garden 47(3):227-242. 1960.
133. Studies involving sustained treatment of maize with gibberellic acid. II. Responses of plants carrying certain tassel-modifying genes. Annals of the Missouri Botanical Garden 47(3):243-261. 1960.
134. NORDEN, A. J. Response of corn (Zea mays L.) to population, bed height, and genotype on poor-drained sandy soil. I. Root development. Agronomy Journal 56(3):269-273. 1964.
135. OAKS, A. y BEEVERS, H. The glyoxylate cycle in maize scutellum. Plant Physiology 39(3):431-434. 1964.
136. OLSEN, S. R., WATANABE, F. S. y DANIELSON, R. E. Phosphorus absorption by corn roots as affected by moisture and phosphorus concentration. Soil Science Society of America. Proceedings 25(4):289-294. 1961.
137. PAVLOV, A. N. Absorption of substances by the roots and leaves of corn. Plant Physiology (Rusia) 7(3):268-273. 1960.

Edición en inglés.

138. PAVLOV, A. N. Accumulation of zein in maize grain. Soviet Plant Physiology 10(2):174-179. 1963.

Edición en inglés.

139. PETINOV, N. S. y MALYSHEVA, K. M. Effect of drought on efficiency of respiration in corn leaves. Plant Physiology (Rusia) 7(5):455-458. 1961.

Edición en inglés.

140. RATHORE, V. S. Effect of NAA on chlorophyll and carotenoid contents of maize (Zea mays) seedlings. Current Science 33(6):190. 1964.

141. RATNER, E. I. y UKHINA, S. F. Transformation of externally absorbed amino acids in corn root. Soviet Plant Physiology 10(4):331-335. 1964.

Edición en inglés.

142. REYES, P. y JOHNSON, E. C. Efecto del deshoje del maíz en el desespicamiento. Agricultura Técnica en México nº 8: 32-34. 1959.

143. ROVIRA, A. D. Microbial inoculation of plants. I. Establishment of free-living nitrogen-fixing bacteria in the rhizosphere and their effects on maize, tomato, and wheat. Plant and Soil 19(3):305-314. 1963.

144. RUBTSOVA, M. S. Several physiological features on hybrids and initial self-pollinated lines of corn. Plant Physiology (Rusia) 7(6):574-578. 1961.

Edición en inglés.

145. SAHAI SRIVASTAVA, B. I. Investigation of purinelike compounds in immature maize Kernels, germinating barley seeds, and yeast. Archives of Biochemistry and Biophysics 103(2):200-205. 1963.

146. SHUL'GIN, I. A., KUPERMAN, F. M. y SHCHERBINA, I. P. Relation between Chlorophyll content and organogenesis in corn. Soviet Plant Physiology 9(3):274-277. 1962.

Edición en inglés.

147. SILIN, A. G. y FAL'KOVA, T. V. Rates of photosynthesis for corn of different varieties. Plant Physiology (Rusia) 7(5):422-428. 1961.

Edición en inglés.

148. SINGH, D. N. y McCAIN, F. S. Relationships of some nutritional properties of the corn kernel to weevil infestation. *Crop Science* 3(3):259-261. 1963.
149. SINTOMAS DE "inanición" en el maiz. CIA- Correspondencia Internacional Agrícola 5(1):6. 1964.
150. SMITH, R. C. Influence of upward water translocation on uptake of ions in corn plants. *American Journal of Botany* 47(9):724-729. 1960.
151. SMITH, R. C. y EPSTEIN, E. Ion absorption by shoot tissue: technique and first findings with excised leaf tissue of corn. *Plant Physiology* 39(3):338-341. 1964.
152. SRIVASTAVA, B. I. S. Ether-soluble & ether-insoluble auxins from immature corn kernels. *Plant Physiology* 38(4): 473-478. 1963.
153. SUNDERLAND, N. The production of the *Striga* and *Orobanche* germination stimulants by maize roots. II. Conditions of synthesis in the root. *Journal of Experimental Botany* 11(33):356-366. 1960.
154. VASIL'EVA, E. M. Dynamics of ligning and cellulose during the process of growth of corn. *Plant Physiology* (Rusia) 7(4):376-380. 1961.
Edición en inglés.
155. VYVAL'KO, I. G. The influence of gibberellin on the transformation of substances in maize seeds during germination. *Doklady* (Rusia) 149(1-6):526-528. 1963.
Edición en inglés.
156. WALDEN, D. B. y EVERETT, H. L. A quantitative method for the In Vivo measurements of the viability of corn pollen. *Crop Science* 1(1):21-25. 1961.
157. WALKER, J. M. y BARBER, S. A. Absorption of potassium and rubidium from the soil by corn roots. *Plant and Soil* 17(2):243-259. 1962.
158. WILLS, G. D., DAVIS, D. E. y FUNDERBURK, H. H., Jr. The effect of atrazine on transpiration in corn, cotton, and soybeans. *Weeds* 11(4):253-255. 1963.

159. WOODSTOCK, L. W. y SKOOG, F. Relationships between growth rates and nucleic acid contents in the roots of inbred lines of corn. American Journal of Botany 47(9):713-716. 1960.
160. ZEMLYANUKHIN, A. A. The effect of mineral fertilizers on physiological-biochemical process in corn. Plant Physiology (Rusia) 7(1):10-14. 1960.
- Edición en inglés.
161. ZUBER, M. S. y GROGAN, C. O. A new technique for measuring stalk strength in corn. Crop Science 1(5):378-380. 1961.

Fisiología

Influencia de los Factores Ambientales
(Influence of Environmental Factors)

162. ALLMARAS, R. R., BURROWS, W. C. y LARSON, W. E. Early growth of corn as affected by soil temperature. Soil Science Society of America. Proceedings 28(2):271-275. 1964.
163. DOWKER, B. D. Rainfall reliability and maize yields in Machakos district. East African Agricultural and Forestry Journal 28(3):134-138. 1963.
164. ENGELSTAD, O. P. y DOLL, E. C. Corn yield response to applied phosphorus as affected by rainfall and temperature variables. Agronomy Journal 53(6):389-392. 1961.
165. FERGASON, V. L. y ZUBER, M. S. Influence of environment on amylose content of maize endosperm. Crop Science 2(3): 209-211. 1962.
166. HUBER, L. L. Some aspects of corn ecology. Pennsylvania Agricultural Experiment Station. Bulletin 679. 1961. 55 p.
167. KNIPMEYER, J. W. et al. Effect of light intensity on certain metabolites of the corn plant (Zea mays L.). Crop Science 2(1):1-5. 1962.

168. KNOLL, H. A., LATHWELL, D. J. y BRADY, N. C. The influence of root zone temperature on the growth and contents of phosphorus and anthocyanin of corn. Soil Science Society of America. Proceedings 28(3):400-403. 1964.
169. MOSS, D. N. y STINSON, H. T., Jr. Differential response of corn hybrids to shade. Crop Science 1(6):416-418. 1961.
170. OLSON, R. A. et al. Factors responsible for poor response of corn and grain sorghum to phosphorus fertilization. I. Soil phosphorus level and climatic factors. Soil Science Society of America. Proceedings 26(6):571-574. 1962.

Fisiología

Nutrición de la Planta y Composición Química (Plant Constituents and Chemical Composition)

171. BERGER, K. C. Conozca Ud. las deficiencias en su maíz. Hacienda 58(12):31-34. 1963.
172. BRESSANI, R. Composición química del maíz. INCAP- Instituto de Nutrición de Centro América y Panamá. Temas Nutricionales para el Agricultor. 1957. 7 p.
173. _____ et al. El contenido de nitrógeno y de aminoácidos esenciales de diversas selecciones de maíz. Archivos Venezolanos de Nutrición 10(2):85-100. 1960.
174. COIC, Y., LESAINT, CH. y LE ROUX, F. Comparaison de l'influence de la nutrition nitrique et ammoniacale combinée ou non avec une déficience en acide phosphorique, sur l'absorption et le métabolisme des anions-cations et plus particulièrement des acides organiques chez le maïs. Comparaison du maïs et de la tomate quant à l'effet de la nature de l'alimentation azotée. Annales de Physiologie Végétale (Francia) 3(3):141-163. 1961.
175. CRAIG, B. M. et al. Fatty acid composition and glyceride structure in rats fed rapeseed oil or corn oil. Canadian Journal of Biochemistry and Physiology 41(1):43-49. 1963.

176. DEFICIENCIA DE fósforo en el maíz. Boletín Agrícola (Colombia) nº 513:8944. 1963.
177. DOLL, E. C., MILLER, H. F. y TODD, J. R. Effect of phosphorus fertilization and liming on yield and chemical composition of corn, wheat, and red clover. Kentucky Agricultural Experiment Station. Bulletin nº 682. 1963. 23 p.
178. DOTY, D. M. et al. The effect of storage on the chemical composition of some inbred and hybrid strains of sweet corn. Indiana Agricultural Experiment Station. Bulletin nº 503. 1945. 31 p.
179. DUMENIL, LL. Nitrogen and phosphorus composition of corn leaves and corn yields in relation to critical levels and nutrient balance. Soil Science Society of America. Proceedings 25(4):295-298. 1961.
180. EGGERLING, D. High-amyllose corn how valuable is it likely to be? Crops and Soils 12(9):16-17. 1960.
181. EVANS, S. D. y BARBER, S. A. The effect of rubidium-86 diffusion on the uptake of rubidium-86 by corn. Soil Science Society of America. Proceedings 28(1):56-57. 1964.
182. FOCKE, R. VON, FRANZKE, W. y WINKEL, A. Untersuchungen über den Carotinengehalt in der Maispflanze. Züchter 31(2): 57-61. 1961.
183. FUEHRING, H. D. y SOOFI, G. S. Nutrition of corn on a calcareous soil. II. Effect of zinc on the yields of grain and stover in relation to other micronutrients. Soil Science Society of America. Proceedings 28(1):79-82. 1964.
184. GALO, J. R. y CONAGIN, A. Aplicaçao do método de dosagen do fósforo solúvel, na análise foliar de milho. Bragantia (Brasil) 19:clvii-clix. 1960.
185. GORSLINE, G. W. et al. Relationships of strontium-calcium accumulation within corn. Crop Science 4(2):154-156. 1963.
186. _____, RAGLAND, J. L. y THOMAS, W. I. Evidence for inheritance of differential accumulation of calcium, magnesium, and potassium by maize. Crop Science 1(2): 155-156. 1961.

187. GORSLINE, G. W., THOMAS, W. I. y BAKER, D. E. Inheritance of P, K, Mg, Cu, B, Zn, Al, and Fe concentrations by corn (Zea mays L.) leaves and grain. *Crop Science* 4(2): 207-210. 1964.
188. GRUNEBERG, F. H. Nutrición y fertilización del maíz. *Boletín Verde* (Alemania) nº 9. 1959. 46 p.
189. GUPTA, Y. P. y DAS, N. B. Nutritive value of maize as influenced by manures and fertilizers. I. Chemical composition. *Indian Journal of Agricultural Science* 32(1):79-86. 1962.
190. KNOLL, H. A., LATHWELL, D. J. y BRADY, N. C. Effect of soil temperature and phosphorus fertilization on the growth and phosphorus content of corn. *Agronomy Journal* 56(2): 145-147. 1964.
191. LIMCANGCO-LOPEZ, P. D., ACHACOSO, F. S. y CASTILLO, L. S. The chemical composition of rice and corn by-product. I. Proximate composition and minerals. *Philippine Agriculturist* 46(5):324-342. 1962.
192. LOUE, A. La nutrition cationique du maïs et le diagnostic foliaire. *Anales de Physiologie Vegetale* 4(2):127-148. 1962.
193. _____ Contribución al estudio de la nutrición catiónica y particularmente potásica del maíz. *Fertilité* nº 20: 1-56. 1963.
194. _____ Maize nutrition - cation requirements and potash demand. *World Crops* 15:373-379. 1963.
Compendiado en español bajo el título: Nutrición del maíz; necesidades y demanda potásica. *Revista de la Potasa* (sección 9 10a) 1964:1-16. Enero 1964.
195. PAVLOV, A. N. Absorption of substances by the roots and leaves of corn. *Plant Physiology* (Rusia) 7(3):268-273. 1960.
Edición en inglés.
196. _____ Accumulation of zein in maize grain. *Soviet Plant Physiology* 10(2):174-179. 1963.
Edición en inglés.

197. PAVLOV, A. N. e IVANOV, V. P. Foliar feeding of corn with nitrogen and phosphorus at various levels of root nutrition. *Plant Physiology* (Rusia) 7(5):463-468. 1961.
- Edición en inglés.
198. PLESHKOV, B. P., SHMYREVA, T. B. e IVANKO, SH. The free amino acid content of leaves and roots of maize as related to nutritional conditions. *Plant Physiology* (Rusia) 6(6):674-683. 1960.
- Edición en inglés.
199. QUACKENBUSH, F. W. et al. Composition of corn; analysis of carotenoids in corn grain. *Journal of Agricultural and Food Chemistry* 9(2):132-134. 1961.
200. QUEEN, W. H., FLEMING, H. W. y O'KELLEY, J. C. Effects on Zea mays seedlings of a strontium replacement for calcium in nutrient media. *Plant Physiology* 38(4):410-413. 1963.
201. ROMERO G., J. M. Sintomas visibles que indican deficiencias de nutrientes en el maíz. *Nuestra Tierra Paz y Progreso* (Nicaragua) 5(43):20-21. 1961.
202. ROSBACO, U. F. y PASSADORE, C. Importancia de la composición química en la producción de maíces híbridos. In Reunión Latinoamericana de Fitotecnia, 5a., Buenos Aires, 1961. Actas. Buenos Aires, Instituto Nacional de Tecnología Agropecuaria, 1963. vol. II. pp. 253-254.
203. SILVA, P. G. PINTO DA. On the possibility of substitution of strontium for calcium in maize plants. *Agronomia Lusitana* 24(2):133-157. 1962.
204. SINGH, D. N. y MCCAIN, F. S. Relationships of some nutrition al properties of the corn kernel to weevil infestation. *Crop Science* 3(3):259-261. 1963.
205. SINTOMAS VISIBLES que indican deficiencias de nutrientes en el maíz. *Nuestra Tierra Paz y Progreso* (Nicaragua) nº 43:20-21. 1961.
206. SOOFI, G. S. y FUEHRING, H. D. Nutrition of corn on a calcareous soil. I. Interrelationships of N, P, K, Mg, and S on the grow and composition. *Soil Science Society of America. Proceedings* 28(1):76-79. 1964.

207. TEATER, R. W., MEDERSKI, H. J. y VOLK, G. W. Yield and mineral content of corn as affected by ammonium chloride fertilizer. *Agronomy Journal* 52(7):403-405. 1960.
208. WEST, S. H. Protein, nucleotide & ribonucleic acid metabolism in corn during germination under water stress. *Plant Physiology* 37(5):565-571. 1962.

CITOGENETICA Y MEJORAMIENTO
(CYTOGENETICS AND BREEDING)

Citogenética
(Cytogenetics)

209. AHLOOWALIA, B. S. y DHAWAN, N. L. Effect of genetic diversity on combining ability of inbred lines of maize. *Indian Journal of Genetics and Plant Breeding* 23(2): 158-162. 1963.
210. ALEXANDER, D. E. y BECKETT, J. B. Search for a conversion-type mutator system at the Rf_1 Locus in maize. *Crop Science* 2(2):139-140. 1962.
211. _____ y BECKETT, J. B. Spontaneous triploidy and tetraploidy in maize. *Journal of Heredity* 54(3):103-106. 1963.
212. ANDERSON, J. C. y CHOW, P. N. Phenotypes and grain yield associated with brachytic-2 gene in single-cross hybrids of dent corn. *Crop Science* 3(2):111-113. 1963.
213. ASHMAN, R. B. Stippled aleurone in maize. *Genetics* 45(1): 19-34. 1960.
214. BIANCHI, A. y CONTIN, M. Mutagenic activity of isomeric forms of diepoxybutane in maize. *Journal of Heredity* 53(6):277-281. 1962.
215. _____, MARIANI, G. y UBERTI, P. Endosperm and seedling mutations induced in maize, following X-irradiation and diepoxybutane treatment of mature pollen. (Abstract). *Genetics* 45:976. 1960.

216. BIANCHI, A. y MORANDI, A. A case of balanced lethal factors in maize. *Heredity* 17(3):409-414. 1962.
217. BOUILLENNE-WALRAND, M., GASPAR, TH. y LEYH, C. Action of an extract from *Zea mays* green leaves on the destruction in vitro of B indol-acetic by an extract from lens *culinaris* roots. *Mededelingen van de Landbouwhogeschool en de Ozoekingsstations van de Staat te Gent* 28(3):1130-1138. 1963.
218. BRINK, R. A. Relative insensitivity of enhanced Rr to paramutation in maize plants heterozygous for the stippled alleles. *Genetics* 46(9):1207-1221. 1961.
219. _____ Paramutación en el locus R en maíz. *Agronomía (Colombia)* 1(1):55-59. 1962.
También en: *Agricultor Costarricense (Costa Rica)* 20(6):535-539. 1962.
220. _____ y BLACKWOOD, M. Persistent enhancement of Rr action in maize by structural alterations of chromosomes 10. *Genetics* 46(9):1185-1205. 1961.
221. _____, KERMICLE, J. L. y BROWN, D. F. Test for a gene-dependent cytoplasmic particle associated with R paramutation in maize. *Proceeding of the U.S. National Academy of Science* 51(6):1067-1074. 1964.
222. _____ y NOTANI, N. K. Effect of Rr action in maize of a structural alteration distal to the R locus in chromosome 10. *Genetics* 46(9):1223-1230. 1961.
223. _____ y WEYERS, W. H. Effect of an abnormal knob-carrying chromosome 10 on paramutation of Rr in maize. *Genetics* 45(10):1445-1455. 1960.
224. BROOKS, J. S. Cytoplasmic male-sterile fertility-restoring gametes in varieties of corn in the Oklahoma collection. *Crop Science* 1(3):224-226. 1961.
225. BROWN, D. F. y BRINK, R. A. Paramutagenic action of paramutant Rr and Rg alleles in maize. *Genetics* 45(10):1313-1316. 1960.
226. CAVANAH, J. A. y ALEXANDER, D. E. Survival of tetraploid maize in mixed 2N-4N plantings. *Crop Science* 3(4):329-331. 1963.
227. COE, E. H., Jr. A line of maize with high haploid frequency. *American Naturalist* 93(873):381-382. 1959.

228. COE, E. H., Jr. The pattern of origination of conversion-type inheritance at the B locus in maize. (Abstract). *Genetics* 45:981-982. 1960.
229. Some observations bearing on plasmid versus gene hypotheses for a conversion-type phenomenon. *Genetics* 46(7):719-725. 1961.
230. A test for somatic mutation in the origination of conversion-type inheritance at the B locus in maize. *Genetics* 46(7):707-710. 1961.
231. Spontaneous mutation of the aleurone color inhibition in maize. *Genetics* 47(6):779-783. 1962.
232. CHASE, S. Poblaciones complementarias y restauradores de fertilidad. In Reunión Latinoamericana de Fitotecnia, 5a., Buenos Aires, 1961. Actas. Buenos Aires, Instituto Nacional de Tecnología Agropecuaria, 1963. vol. II. pp. 262-263.
233. Técnica de endocría acelerada. In Reunión Latinoamericana de Fitotecnia, 5a., Buenos Aires, 1961. Actas. Buenos Aires, Instituto Nacional de Tecnología Agropecuaria, 1963. vol. II. p. 263.
234. CHERRY, J. H. et al. Acid-soluble nucleotides and ribonucleic acid of different corn inbreds and single-cross hybrids. *Crop Science* 1(2):133-137. 1961.
235. DANIEL, L. Analysis of inheritance of the number of kernel rows in maize. *Züchter* 33(7):290-301. 1963.
- Sumario en alemán.
236. DOLLINGER, E. J. Differential fertilization involving chromosome 6 loci in maize. *Crop Science* 1(6):435-436. 1961.
237. DOYLE, G. G. Preferential pairing in structural heterozygotes of Zea mays. *Genetics* 48(8):1011-1027. 1963.
238. DUVICK, D. N., SNYDER, R. J. y ANDERSON, E. G. The chromosomal location of Rf_1 , a restorer gene for cytoplasmic pollen sterile maize. *Genetics* 46(10): 1245-1252. 1961.
239. ERIKSON, G. Induction of waxy mutants in maize by acute and chronic gamma irradiation. *Hereditas* 50(2-3): 161-178. 1963.

240. FINDLEY, W. R., Jr. y LEFFEL, R. C. Identification of corn chromosomes effecting resistance and susceptibility to Helminthosporium turcicum Pass. by marker gene stocks. *Crop Science* 2(4):337-340. 1962.
241. GALINAT, W. C., CHAGANTI, R. S. K. y HAGER, F. D. Tripsacum as a possible amphidiploid of wild maize and manisuris. Harvard University. *Botanical Museum Leaflets* 20(9): 289-316. 1964.
242. GAMBLE, E. E. Gene effects in corn (Zea mays L.). I. Separation and relative importance of gene effects for yield. *Canadian Journal of Plant Science* 42(2):339-348. 1962.
243. _____ Gene effects in corn (Zea mays L.). II. Relative importance of gene effects for plant height and certain component attributes of yield. *Canadian Journal of Plant Science* 42(2):349-358. 1962.
244. _____ Gene effects in corn (Zea mays L.). III. Relative stability of the gene effects in different environments. *Canadian Journal of Plant Science* 42(4):628-634. 1962.
245. GARDNER, C. O. An evaluation of effects of mass selection and seed irradiation with thermal neutrons on yield of corn. *Crop Science* 1(4):241-245. 1961.
246. GARZA, A., FLEMING, A. A. y BOWNE, E. B. A method of identifying maize hybrid and sib populations. *Crop Science* 2(5):371-374. 1962.
247. GENETIC AND environmental variation: effect on pigments of selected maize mutants. *Science* 138:1333-1334. 1962.
248. GIESBRECHT, J. Gamete selection in tow early maturing corn varieties. *Crop Science* 4(1):19-21. 1964.
249. GOODSELL, S. F. Male sterility in corn by androgenesis. *Crop Science* 1(3):227-228. 1961.
250. GORSLINE, G. W. Phenotypic epistasis for ten quantitative characters in maize. *Crop Science* 1(1):55-58. 1961.
251. _____, RAGLAND, J. L. y THOMAS, W. I. Evidence for inheritance of differential accumulation of calcium, magnesium, and potassium by maize. *Crop Science* 1(2): 155-156. 1961.

252. GRANER, E. A. Milho: a interação Y1 Y3 Y7 na coloração amarela do endosperma. Anais da Escola Superior de Agricultura "Luiz de Queiroz" (Piracicaba, Brasil) 18:35-44. 1961.
- Incluye 6 cuadros.
253. GREENBLATT, I. M. y BRINK, R. A. Twin mutations in medium variegated pericarp maize. Genetics 47(4):489-501. 1962.
254. _____ y BRINK, R. A. Transpositions of modulator in maize into divided and undivided chromosome segments. Nature 197(4865):412-413. 1963.
255. GROGAN, C. O. et al. Parental influence on xanthophyllas and carotenes in corn. Crop Science 3(3):213-214. 1963.
256. GURGEL, J. T. A. Associação não homóloga de centromeros e "knobs" dos cromosomas de milho na meiose. In Reunión Latinoamericana de Fitotecnia, 4a., Santiago de Chile, nov. 24 - dic. 6, 1958. Actas. Santiago de Chile, Ministerio de Agricultura, 1961? p. 250.
257. _____ Gens gametofíticos atuando como barreira contra cruzamento natural, em milho. In Reunión Latinoamericana de Fitotecnia, 4a., Santiago de Chile, nov. 24 - dic. 6, 1958. Actas. Santiago de Chile, Ministerio de Agricultura, 1961? p. 279.
258. GUTIERREZ G., M. Efecto de diversas intensidades de contaminación en el rendimiento de cruces intervarietales de maíz. In Reunión Latinoamericana de Fitotecnia, 5a., Buenos Aires, 1961. Actas. Buenos Aires, Instituto Nacional de Tecnología Agropecuaria, 1963. vol. II. pp. 264-265.
259. HALLAUER, A. R. y RUSSELL, W. A. Estimates of maturity and its inheritance in maize. Crop Science 2(4):289-294. 1962.
260. HOOKER, A. L. Monogenic resistance in Zea mays L. to Helminthosporium turcicum. Crop Science 3(5):381-383. 1963.
261. IBRAHIM, M. A. A survey of chromosome knobs in maize varieties. Genetics 45(7):811-817. 1960.
262. _____ The use of interchanges involving chromosomes 6 in maize studies of chromosomes segregation. Genetics 46(12):1567-1572. 1961.

263. KIESSELBACH, T. A. The significance of xenia effects on the kernel weight of corn. Nebraska Agricultural Experiment Station. Research Bulletin 191. 1960. 30 p.
264. KUC, J. y NELSON, O. E. The abnormal lignins produced by the Brown-midrib mutants of maize. I. The Brown-midrib-1 mutant. Archives of Biochemistry and Biophysics 105(1): 103-113. 1964.
265. LAMBERT, R. J. Can you help in the search for a wild relative of corn?. Illinois Research 5(4):5. 1963.
266. LAUGHNAN, J. R. An evaluation of the multiple crossover and sidechain hypotheses based on an analysis of alpha derivatives from the Ab-P complexes in maize. Genetics 46(10):1347-1372. 1961.
267. _____ Super sweet, a product of mutation breeding in corn. Seed World 88(1):18-19. 1961.
268. LEE, B. H. et al. Genetic relationships of alleles on chromosome 10 for resistance to Puccinia sorghi in 11 corn lines. Crop Science 3(1):24-26. 1963.
269. LENG, E. R. Component analysis in inheritance studies on grain yield in maize. Crop Science 3(3):187-190. 1963.
270. LOESCH, P. J., Jr., ZUBER, M. S. y GROGAN, C. O. Inheritance of crushing strength and rind thickness in several inbred lines of corn. Crop Science 3(2):173-174. 1963.
271. LONGLEY, A. E. A gametophyte factor on chromosome 5 of corn. Genetics 46(6):641-647. 1961.
272. LOWE, J. Root tip smears for maize. Stain Technology 21(4): 127-128. 1946.
273. McCALLA, D. R. Physiological studies on a necrotic mutant of corn. Canadian Journal of Botany 39(6):1337-1349. 1961.
274. McWHIRTER, K. S. y BRINK, R. A. Continuous variation in level of paramutation at the R locus maize. Genetics 47(8):1053-1074. 1962.
275. _____ y BRINK, R. A. Paramutation in maize during endosperm development. Genetics 48(2):189-203. 1963.
276. MAGUIRRE, M. P. A study of pachytene chromosome pairing in a corn-tripSacum hybrid derivative. Genetics 45:651-664. 1960.

277. MAGUIRRE, M. P. Pachytene pairing failure in corn in two inbred lines and their hybrid. *Genetics* 46(2):135-142. 1961.
278. _____ Common loci in corn and tripsacum. *Journal of Heridity* 53(2):87-88. 1962.
279. _____ Pachytene and diakinesis behavior of the isochoromosomes 6 of maize. *Science* 138(3538):445-446. 1962.
280. _____ High transmission frequency of Tripsacum chromosome in corn. *Genetics* 48(9):1185-1194. 1963.
281. _____ Crossing over and anaphase I distribution of the chromosomes of a maize interchange trivalent. *Genetics* 49(1):69-80. 1964.
282. MANGELSDORF, P. C. y GALINAT, W. C. The tunicate locus in maize dissected and reconstituted. U.S. National Academy of Sciences. *Proceedings* 51(2):147-150. 1964.
283. MAZOTI, L. B. Interacción nucleo citoplasmática en la herencia del maíz. La Plata. Universidad. Facultad de Agronomía. *Revista* 36(1):63-71. 1960.
284. MILLER, O. L., Jr. Cytological studies in asynaptic maize. *Genetics* 48(11):1445-1466. 1963.
285. MORENO MOSCOSO, U. Estudio del número de cromosomas tipo "B" y de la frecuencia y posición de nudos cromosómicos en razas de maíz del Perú. *Agronomía (Perú)* 27(1):39-51. 1960.
286. NELSON, O. E. The waxy locus in maize. I. Intralocus recombination frequency estimates by pollen and by conventional analyses. *Genetics* 47(6):737-742. 1962.
287. NICKERSON, N. H. Sustained treatment with gibberellic acid of maize plants carrying one of the dominant genes teopod and corn-grass. *American Journal of Botany* 47(10):809-815. 1960.
288. _____ y EMBLER, T. N. Studies involving sustained treatment of maize with gibberellic acid. I. Further notes on responses of races. *Annals Missouri Botanical Garden* 47(3):227-242. 1960.
289. _____ Studies involving sustained treatment of maize with gibberellic acid. II. Responses of plants carrying certain tassel-modifying genes. *Annals of the Missouri Botanical Garden* 47(3):243-261. 1960.

290. NOBLE, S. W. y RUSSELL, W. A. Effects of male-sterile cytoplasm and pollen fertility restorer genes on performance of hybrid corn. *Crop Science* 3(1):92-96. 1963.
291. NORDEN, A. J. Response of corn (*Zea mays* L.) to population, bed height, and genotype on poorly drained sandy soil. I. Root development. *Agronomy Journal* 56(3):269-273. 1964.
292. NUFFER, M. G. Mutation studies at the A_1 locus in maize. I. A mutable allele controlled by Dt^1 . *Genetics* 46(6): 625-640. 1961.
293. PARKER VELEZ, I. Estudio y evaluación de nuevas colecciones de plasma germinal. In Reunión Latinoamericana de Fitotecnia, 4a., Santiago de Chile, nov. 24 - dic. 6, 1958. Actas. Santiago de Chile, Ministerio de Agricultura, 1961? pp. 284-285.
294. PATERNIANI, E. Germoplasma disponible. Su estudio y utilización. In Reunión Latinoamericana de Fitotecnia, 5a., Buenos Aires, 1961. Actas. Buenos Aires, Instituto Nacional de Tecnología Agropecuaria, 1963. vol. II, p. 247.
295. PETERSON, P. A. Mutable gene control in maize. (Abstract). *Genetics* 45:1005. 1960.
296. _____ The pale green mutable system in maize. *Genetics* 45:115-133. 1960.
297. _____ Mutable a_1 of the En system in maize. *Genetics* 46(7):759-771. 1961.
298. POSTLETHWAIT, S. N. y NELSON, O. E. Characterization of development in maize through the use of mutants. I. The polytypic (Pt) and ramosa-1 (ra_1) mutants. *American Journal of Botany* 51(3):238-243. 1964.
299. PROGRESOS EN los estudios genéticos del maiz. *Hacienda* 56(5): 33-34. 1961.
300. ROBERTSON, D. S. Linkage studies of mutants in maize with pigment deficiencies in endosperm and seedling. *Genetics* 46(6):649-661. 1961.
301. _____ y ANDERSON, I. C. Temperature-sensitive alleles of the Y_1 locus in maize. *Journal of Heredity* 52(2):53-60. 1961.

302. ROBERTSON, D. S. y WALTER, E. V. Genetic studies of earworm resistance in maize. Utilizing a serie of chromosomes-nine translocations. Journal of Heredity 54(6):267-272. 1963.
303. SARKISSIAN, I. V., KESSINGER, M. A. y HARRIS, W. Differential rates of development of heterotic and nonheterotic young maize seedlings. I. Correlation of differential morphological development with physiological differences in germinating seeds. U.S. National Academy of Sciences. Proceedings 51(2):212-218. 1964.
304. SCHWARTZ, D. Analysis of a highly mutable gene in a maize. A molecular model for gene inestability. Genetics 45: 1141-1152. 1960.
305. _____ Electrophoretic and immunochemical studies with endosperm proteins of maize mutants. Genetics 45(10): 1419-1427. 1960.
306. _____ Genetic studies on mutant enzymes in maize: synthesis of hybrid enzymes by heterozygotes. Genetics 46(9): 1210-1215. 1960.
307. _____ Genetic studies on mutant enzymes in a maize. II. On the mode of synthesis of the hybrid enzymes. U.S. National Academy of Sciences. Proceedings 48(5):750-756. 1962.
308. _____ Genetic studies on mutant enzymes in maize. III. Control of gene action in the synthesis of pH 7.5 esterase. Genetics 47(11):1609-1615. 1962.
309. _____ Genetic studies on mutant enzymes in maize. IV. Comparison of pH 7.5 esterases synthesized in seedling and endosperm. Genetics 49(3):373-377. 1964.
310. _____ A second hybrid enzyme in maize. U.S. National Academy of Sciences. Proceedings 51(4):602-605. 1964.
311. SHAVER, D. L. The effect of structural heterozygosity on the degree of preferential pairing in allotetraploids of Zea. Genetics 48(4):515-524. 1963.
312. SPRAGUE, G. F. y SCHULER, J. F. The frequencies of seed and seedling abnormalities in maize. Genetics 46(12): 1713-1720. 1961.

313. TABATA, M. Chromosome pairing in intercrosses between stocks of interchanges involving the same two chromosomes in maize. I. Diakinesis configurations in relation to breakage positions. *Cytologia* 27(4):410-417. 1962.
314. WELCH, J. E. Linkage in autotetraploid maize. *Genetics* 47(4):367-396. 1962.
315. WEYERS, W. H. Expression and stability of the marbled allele in maize. *Genetics* 46(3):1061-1067. 1961.

Selección
Híbridos y Líneas Endocriadas

(Breeding)
(Hybrids and Inbreds)

316. ALVARADO, C., Jr. y ESPINOSA S., E. Evaluación de la primera generación de cruces intervarietales de maíz efectuada en dos épocas y tres localidades de la República de Panamá. In Reunión Centroamericana sobre Mejoramiento del Maíz, 9a., San Salvador, El Salvador, 1963. Proyecto Cooperativo Centroamericano. México, s.f. pp. 34-38.
317. ANDERSON, J. C. Performance of corn hybrids in New Jersey in 1962. New Jersey Agricultural Experiment Station. Circular 602. 1962. 8 p.
318. _____ y FUNK, C. R. Hybrid corn in New Jersey. New Jersey Agricultural Experiment Station. Bulletin 302. 1962. 32 p.
319. ANDERSEN, R. N. Differential response of corn inbreds to simazine and atrazine. *Weeds* 12(1):60-61. 1964.
320. ANLEU A., C. Factores que influyen en el uso de semillas mejoradas de maíz en Guatemala. In Reunión Centroamericana sobre Mejoramiento del Maíz, 6a., Managua, Nicaragua, 1960. Proyecto Cooperativo Centroamericano. México, s.f. pp. 65-66.
321. BARRIENTOS PEREZ, F. Posible utilización de cruces interciliares entre maíces locales e introducidos. In Reunión Centroamericana sobre Mejoramiento del Maíz, 9a., San Salvador, El Salvador, 1963. Proyecto Cooperativo Centroamericano. México, s.f. pp. 40-45.

322. BARRIENTOS PEREZ, F. y PALACIOS DE LA ROSA, G. Maices mejorados para la Mesa Central. México. Instituto Nacional de Investigaciones Agrícolas. Circular CIB nº 2. 1962. s.p.
- También en: Granja (México) 7(73):2-5. 1962.
323. BAUMAN, L. F. y CRANE, P. L. 1962 performance trials of experimental dent corn hybrids. Indiana (Purdue) Agricultural Experiment Station. Research Progress report 45. 1963. 13 p.
324. BHANDARI, D. R., BHATNAGAR, M. P. y MENON, T. U. Performance of white double top cross-maize hybrids. Current Science 32(11):513-514. 1963.
325. BOCKHOLT, A. J. y COLLIER, J. W. Corn hybrids for Texas. Texas Agricultural Experiment Station. Bulletin 968. 1960. 10 p.
326. BROOKS, J. S. y PASS, H. Hybrid corn strains recommended for 1951. Oklahoma Agricultural Experiment Station. Mimeographed Circular M-210. 1951. 3 p.
327. _____ y PASS, H. Hybrid corn strains recommended for 1952. Oklahoma Agricultural Experiment Station. Mimeographed Circular nº M-231. 1952. 3 p.
328. _____ y PASS, H. Hybrid corn strains recommended. Oklahoma Agricultural Experiment Station. Mimeographed Circular M-272. 1956. 3 p.
329. _____, PASS, H. y SMITH, J. W. Hybrid corn strains recommended for 1954. Oklahoma Agricultural Experiment Station. Mimeographed Circular nº M-252. 1954. 3 p.
330. CARBALLO QUIROZ, A. Labores desarrolladas durante 1958 en el Programa Cooperativo Centroamericano del Mejoramiento del Maíz. In Reunión Centroamericana sobre Mejoramiento del Maíz, 5a., Panamá, 1959. Proyecto Cooperativo Centroamericano. México, Editorial Comaval, s.f. pp. 10-12.
331. COMPTON, W. A., LONNQUIST, J. H. y GARDNER, C. O. Predicted response to recurrent selection with intra-and inter-varietal testers in corn (Zea mays L.). Crop Science 4(2):146-148. 1964.
332. CORN HYBRIDS compared 1964. Michigan. State University. Cooperative Extension Service. Extension Bulletin 431. s.f. 15 p.

333. COVARRUBIAS, R. Cruzas intervarietales, una gran posibilidad para los programas de mejoramiento del maíz en Latino-América. In Reunión Centroamericana sobre Mejoramiento del Maíz, 6a., Managua, Nicaragua, 1960. Proyecto Cooperativo Centroamericano. México, s.f. pp. 11-13.
334. CRAIG, W. F. et al. 1963 commercial hybrid corn tests. Pennsylvania Agricultural Experiment Station. Progress Report 253. 1964. s.p.
335. CRANE, P. L. y ALVEY, D. D. Performance of commercial dent hybrids in Indiana, 1958-1961. Indiana (Purdue) Agricultural Experiment Station. Research Bulletin nº 738. 1962. 12 p.
336. _____, DUCLOS, L. A. y PURDY, J. L. Performance of commercial dent corn hybrids in Indiana, 1959-1962. Indiana (Purdue) Agricultural Experiment Station. Research Bulletin nº 761. 1963. 12 p.
337. _____, PURDY, J. L. y DUCLOS, L. A. Performance of commercial dent corn hybrids in Indiana, 1960-1963. Indiana (Purdue) Agricultural Experiment Station. Research Bulletin nº 772. 1964. 12 p.
338. CHINWUBA, P. M., GROGAN, C.O. y ZUBER, M. S. Interaction of detasseling, sterility, and spacing on yields of maize hybrids. Crop Science 1(4):279-280. 1961.
339. DAHLSTROM, D. E. Tools for better corn hybrids. Crops and Soils 14(9):16-18. 1962.
340. DOMINGUEZ, R. Maíz híbrido. Agricultura en El Salvador 1(1):5-8. 1960.
341. DOROVSKAYA, I. F. Formation and photosynthetic activity of assimilating surface of inbred and hybrid corn. Soviet Plant Physiology 9(5):506-509. 1963.
342. DOUGLAS, A. G. et al. An evaluation of three cycles of reciprocal recurrent selection in a corn improvement program. Crop Science 1(3):157-161. 1961.
343. EFECTO DE la selección visual durante la autofecundación del maíz sobre su aptitud combinatoria. Granja (Méjico) 5(54):26-30. 1960.

344. EIJNATTEN, C. L. M. VAN. Selection for combining ability within the variety sicaragua. Nigeria. Federal Department of Agricultural Research. Memorandum nº 28. 1961. 7 p.
345. Performance of six white grained maize varieties in varietal hybrid combinations growth in Southern Nigeria. Nigeria. Federal Department of Agricultural Research. Memorandum nº 32. 1962. 11 p.
346. ESPINOZA, E. y CONTRERAS, M. Programa iniciado para la obtención de nuevos maíces mejorados para las condiciones de Panamá. In Reunión Centroamericana sobre Mejoramiento del Maíz, 8a., San José, Costa Rica, 1962. Proyecto Cooperativo Centroamericano. México, s.f. pp. 48.
347. FLEMING, A. A., KOZELNICKY, G. M. y BROWNE, E. B. Variations between stocks within long-time inbred lines of maize (Zea mays L.). Crop Science 4(3):291-295. 1964.
348. FREYTAG, G. F. Selección de maíz amarillo (Gust. 142-56) en Honduras. In Reunión Centroamericana sobre Mejoramiento del Maíz, 9a., San Salvador, El Salvador, 1963. Proyecto Cooperativo Centroamericano. México, s.f. pp. 39-40.
349. FUENTES O., A. Seis años de cooperación entre el PCCMM y la sección de maíz del I.A.N. In Reunión Centroamericana sobre Mejoramiento del Maíz, 6a., Managua, Nicaragua, 1960. Proyecto Cooperativo Centroamericano. México, s.f. pp. 41-43.
350. Informe sobre el desarrollo del programa de maíz de Guatemala. In Reunión Centroamericana sobre Mejoramiento del Maíz, 9a., San Salvador, El Salvador, 1963. Proyecto Cooperativo Centroamericano. México, s.f. pp. 25-26.
351. GACITUA, H. Germoplasma empleado en Chile. In Reunión Latinoamericana de Fitotecnia, 5a., Buenos Aires, 1961. Actas. Buenos Aires, Instituto Nacional de Tecnología Agropecuaria, 1963. vol. II. pp. 255-256.
352. y BRAVO, A. Comportamiento de algunos híbridos de maíz en Chile. In Reunión Latinoamericana de Fitotecnia, 5a., Buenos Aires, 1961. Actas. Buenos Aires, Instituto Nacional de Tecnología Agropecuaria, 1963. vol. II. pp. 256..
353. GARDNER, C. O. An evaluation of effects of mass selection and seed irradiation with thermal neutrons on yield of corn. Crop Science 1(4):241-245. 1961.

354. GENTER, C. F. y SHULKCUM, E. Performance records of corn hybrids tested in Virginia, 1951-1956. Virginia Agricultural Experiment Station. Research Report nº 13. 1957. 13 p.
355. _____ y SHULKCUM, E. Performance of hybrid corn varieties tested in Virginia, 1957-1963. Virginia Agricultural Experiment Station. Research Report nº 76. 1963.
356. GIBERTI, H. Maíces híbridos. Anales de la Sociedad Rural Argentina 85(7):15-32. 1951.
357. GONZALES, T. T. Progress report: the breeding for cytoplasmic male sterility and male fertility restorers of corn inbreds. Philippine Journal of Agriculture 23(1-4): 97-108. 1958.
358. _____ Progress report on results of yield trials (wet season, 1957) of newly-developed corn hybrids at Lamao. Philippine Journal of Agriculture 23(1-4):109-124. 1958.
359. GREEN, V. E., Jr. Adaptación de maíz híbrido a las regiones tropicales; historia de un fructífero esfuerzo para producir en escala comercial maíces de altos rendimientos y resistentes a condiciones típicas. Agricultura de las Américas 13(4):72-75, 79. 1964.
360. GROBMAN, A. La colaboración interamericana en el mejoramiento del maíz. In Reunión Centroamericana sobre Mejoramiento del Maíz, 8a., San José, Costa Rica, 1962. Proyecto Cooperativo Centroamericano. México, s. f. pp. 28-33.
361. _____, PAULETTE, M. y SCHEUCH, F. Variedades de híbridos de maíz para la Costa de Perú. Perú. PCEA- Programa Cooperativo de Investigación Agropecuaria. Boletín nº 1. 1960. 10 p.
362. GROGAN, C. O. y CAMPBELL, C. M. Mississippi hybrid corn tests, 1962. Mississippi Agricultural Experiment Station. Bulletin 656. 1963. 11 p.
363. _____ y CAMPBELL, C. M. 1963 hybrid corn tests. Mississippi Agricultural Experiment Station. Bulletin 680. 1964. 12 p.
364. GROSZMANN, A. Hereditariedade de peso e partes componentes da semente num cruzamento de milho dentado x pipoca. Lilloa (Argentina) 19:75-88. 1949.

365. GURGEL, J. T. A. Factores letales y sub-letrales en las razas de maíz, cateto y cristal. In Reunión Latinoamericana de Fitotecnia, 5a., Buenos Aires, 1961. Actas. Buenos Aires, Instituto Nacional de Tecnología Agropecuaria, 1963. vol. II. p. 249..
366. GUTIERREZ G., M. Recombinaciones y fuentes originales como probadores en un primer ciclo de selección recurrente recíproco en maíz. In Reunión Latinoamericana de Fitotecnia, 5a., Buenos Aires, 1961. Actas. Buenos Aires, Instituto Nacional de Tecnología Agropecuaria, 1963. vol. II. pp. 263-264.
367. HAMILTON, R. H. A corn mutant deficient in 2,4-dihydroxy-7-methoxy-1,4-benzoxazin-3-one with an altered tolerance of atrazine. Weeds 12(1):27-30. 1964.
368. HAYES, H. K. A professor's story of hybrid corn. Minneapolis, Burges, 1963. 237 p.
- Bibliography: pp. 220-233.
369. HARVEY, N. The coming of hybrid maize. Agriculture (Gran Bretaña) 67(6):302-307. 1960.
370. HERRERA S., J. Producción de nuevos híbridos de maíz. In Reunión Latinoamericana de Fitotecnia, 4a., nov. 24 - dic. 6, 1958. Actas. Santiago de Chile, Ministerio de Agricultura, 1961? pp. 280-281.
371. HEVIA P., L. Trabajos de mejoramiento que se están efectuando en maíz para silo y secano y en sorgo para riego y secano. In Reunión Latinoamericana de Fitotecnia, 4a., Santiago de Chile, nov. 24 - dic. 6, 1958. Actas. Santiago de Chile, Ministerio de Agricultura, 1961? pp. 282-283.
372. HORNER, E. S. A comparison of S_1 line and S_1 plant evaluation for combining ability in corn (Zea mays L.). Crop Science 3(6):519-522. 1963.
373. _____ et al. Relative effectiveness of recurrent selection for specific and for general combining ability in corn. Crop Science 3(1):63-66. 1963.
374. HYBRID CORN performance trials in West Virginia, 1962. West Virginia Agricultural Experiment Station. Current Report 37. 1963. 9 p.

375. JAVIER, P. C. y AQUILIZAN, F. A. The effect of source of seed on the performance of Philippine corn hybrids. *Philippine Agriculturist* 44(9):429-432. 1961.
376. JOHNSON, M. W. Hybrid corn performance trials in West Virginia, 1960. *West Virginia Agricultural Experiment Station. Current Report* 28. 1961. 10 p.
377. _____ Hybrid corn performance trials in West Virginia, 1961. *West Virginia Agricultural Experiment Station. Current Report* 33. 1962. 10 p.
378. _____ Performance of double cross dent corn hybrids in West Virginia, 1958-1960. *West Virginia Agricultural Experiment Station. Bulletin* 470. 1962. 18 p.
379. JOSEPHSON, L. M. y KINCER, H. C. Effects of male-sterile cytoplasm on yields and other agronomic characteristics of corn inbreds and hybrids. *Crop Science* 2(1):41-43. 1962.
380. LARDIZABAL, H. Resumen de 6 años de labores del PCCMM en Honduras. In *Reunión Centroamericana sobre Mejoramiento del Maíz*, 6a., Managua, Nicaragua, 1960. Proyecto Cooperativo Centroamericano. México, s.f. p. 37.
381. LASCOLS, X. Catalogue officiel des maïs-hybrides. Règlement technique et liste 1963. *Annales de l'Amélioration des Plantes* 13(4):401-411. 1963.
382. LEBEDEFF, G. A. y BROOKS, O. L. Performance test of corn hybrids and varieties 1943-1948. Georgia. Experiment Station. Circular nº 158. 1949. 15 p.
383. _____ y STACY, S. V. Georgia 102 all purpose yellow corn hybrid for Georgia. Georgia Agricultural Experiment Station. Mimeograph series n.s. 71. 1959. 4 p.
384. _____, STACY, S. V. y DOBSON, J. W., Jr. New corn hybrids for Georgia; Georgia 104 and Georgia 105. Georgia Agricultural Experiment Stations. Mimeograph Series n.s. 110. 1961. 4 p.
385. LENG, E. R. Las perspectivas del maíz hibrido enano son prometedoras. *Nuestra Tierra* (Nicaragua) nº 20:16-21. 1959.
También en: *Agricultura de las Américas* 7(10):13-15, 48-49. 1958.

386. LENG, E. R. Performance of commercial corn hybrids in Illinois, 1960. Illinois Agricultural Experiment Station. Bulletin 668. 1961. 44 p.
387. _____ y ROSS, G. L. 1961 performance of commercial corn hybrids in Illinois. Illinois Agricultural Experiment Station. Bulletin 682. 1962. 47 p.
388. _____ et al. 1960 performance of experimental corn hybrids in Illinois. Illinois Agricultural Experiment Station. Bulletin 669. 1961. 33 p.
389. LINDSEY, M. F., LONNQUIST, J. H. y GARDNER, C. O. Estimates of genetic variance in open-pollinated varieties of cornbelt corn. Crop Science 2(2):105-108. 1962.
390. LOEFFEL, F. A. y THORNDALE, D. C. Results of Kentucky hybrid corn performance test 1963. Kentucky. University. Agricultural Experiment Station. Progress Report 135. 1964. 24 p.
391. LONNQUIST, J. H. El mejoramiento de las poblaciones de maíz. In Reunión Centroamericana sobre Mejoramiento del Maíz, 6a., Managua, Nicaragua, 1960. Proyecto Cooperativo Centroamericano. México, s.f. pp. 14-22.
392. _____ Progress from recurrent selection procedures for the improvement of corn populations. Nebraska Agricultural Experiment Station. Research Bulletin nº 197. 1961. 32 p.
393. _____ El mejoramiento de poblaciones de polinización abierta. In Reunión Latinoamericana de Fitotecnia, 5a., Buenos Aires, 1961. Actas. Buenos Aires, Instituto Nacional de Tecnología Agropecuaria, 1963. vol. II. p. 238..
394. _____ A modification of the ear-to-row procedure for the improvement of maize populations. Crop Science 4(2): 227-228. 1964.
395. _____ Progress in performance in corn from recurrent selection for general combining ability. Fitotecnia Latinoamericana (Costa Rica) 1(1):51-58. 1964.
396. _____ y GARDNER, C. O. Heterosis in intervarietal crosses in maize and its implication in breeding procedures. Crop Science 1(3):179-183. 1961.
397. EL MAIZ híbrido en la chacra. Anales de la Sociedad Rural Argentina 87(8):24. 1953.

398. EL MAIZ híbrido, gran adelanto agricola. Mensajero Agrícola (Perú) nº 132:36-37. 1960.
399. MARTIN, A. G. Hybrid maize varieties; southern downs yields show big increases. Queensland Agricultural Journal 86(3):158-160. 1960.
400. MARTIN, W. K. y LOEFFEL, F. A. Results of the Kentucky hybrid corn performance test- 1961. Kentucky Agricultural Experiment Station. Progress Report 108. 1962. 23 p.
401. _____ y LOEFFEL, F. A. Results of the Kentucky hybrid corn performance test in 1962. Kentucky Agricultural Experiment Station. Progress Report 125. 1963. 24 p.
402. MARTINEZ REDING, J., MYREN, D. T. y JIMENEZ S., L. Estudio de la difusión y adopción del maíz híbrido en cuatro municipios del Estado de Guanajuato. Agricultura Técnica en México 2(3):120-125. 1963-64.
403. MEDINA, J., CARNERO, M. y PALACIOS, G. H-412: maíz mejorado para la zona de Matamoros, Tamps. México. Instituto Nacional de Investigaciones Agrícolas. Circular Ciane nº 2. 1963. s.p.
404. MEJORAMIENTO DEL cultivo del maíz. Suelo (El Salvador) 5(24):9, 11, 13, 15. 1963.
405. MENEZES, O. B. O milho híbrido. Rio de Janeiro, Brasil, Ministerio da Agricultura, Servicio de Informação Agrícola, 1959. 56 p.
406. MERINO A., J. Actividades del PCCMM en El Salvador en el período 1954-1959. In Reunión Centroamericana sobre Mejoramiento del Maíz, 6a., Managua, Nicaragua, 1960. Proyecto Cooperativo Centroamericano. México, s.f. pp. 39-40.
407. MEZZACAPPA, M. P. Producción y capacidad de expansión. In Reunión Latinoamericana de Fitotecnia, 5a., Buenos Aires, 1961. Actas. Buenos Aires, Instituto Nacional de Tecnología Agropecuaria, 1963. vol. II. pp. 249-250.
408. MICHAELIDES, K. Hybrid maize. Fatis Review nº 3:15-28. 1954.
409. MISHRA, M. N. et al. Investigations of high-population corn for forage and green manure. Agronomy Journal 55(5): 470-480. 1963.

410. MOLL, R. H., KOJIMA, K. y ROBINSON, H. F. Components of yield and over-dominance in corn. *Crop Science* 2(1): 78-79. 1962.
411. _____, LINDSEY, M. F. y ROBINSON, H. F. Estimates of genetic variances and level of dominance in maize. *Genetics* 49(3):411-423. 1964.
412. _____, SALHUANA, W. S. y ROBINSON, H. F. Heterosis and genetic diversity in variety crosses of maize. *Crop Science* 2(3):197-198. 1962.
413. MYREN, D. T. Barreras que impiden la rápida adopción de nuevas selecciones de maíz y de mejores prácticas culturales por los agricultores. In Reunión Centroamericana sobre Mejoramiento del Maíz, 6a., Managua, Nicaragua, 1960. Proyecto Cooperativo Centroamericano. México, s.f. pp. 67-69.
414. NEVE, J. et al. H-412 nuevo maíz híbrido para el Valle del Yaqui y otras regiones cálidas secas. *Campo (Méjico)* 28(857):53-54, 56. 1963.
415. NOTABLES HIBRIDOS de maíz de campo de Asgrow, Italia. *Agricultor Asgrow* nº 26-S:6-7. 1963.
416. OBREGON, P. Trabajos realizados en el mejoramiento genético del maíz en Venezuela. In Reunión Latinoamericana de Fitotecnia, 5a., Buenos Aires, 1961. Actas. Buenos Aires, Instituto Nacional de Tecnología Agropecuaria, 1963. vol. II. pp. 258-259.
417. OKPARANTA, N. N. Recording and numbering system used in the maize breeding section. Ibadan, Nigeria. Federal Department of Agricultural Research Moor Plantation. Memorandum nº 46. 1963. 11 p.
418. OLAIZOLA, L. Estudios comparativos de diversos híbridos de maíz. IAIA- Asociación de Ingenieros Agrónomos. Revista (Uruguay) 32(108):19-23. 1961.
419. OSLER, R. D. Mejoramiento del maíz en el programa cooperativo de la América Central. In Reunión Centroamericana sobre Mejoramiento del Maíz, 5a., Panamá, 1959. Proyecto Cooperativo Centroamericano. México, Editorial Comaval, s.f. pp. 8-9.
420. PALACIOS DE LA ROSA, G., MARTINEZ VILLICAÑA, L. y AGUADO TURRUBIATES, A. Cruzas biparentales de la línea latente de maíz sometidas a castigos progresivos. *Agricultura Técnica en México* 2(3):98-102. 1963-64.

421. PARKER VELEZ, I. Utilización de las primeras líneas puras chilenas de maíz. In Reunión Latinoamericana de Fitotecnia, 4a., Santiago de Chile, nov. 24 - dic. 6, 1958. Actas. Santiago de Chile, Ministerio de Agricultura, 1961? p. 286.
422. _____ Comportamiento de los híbridos de maíz distribuidos para las zonas central y centro sur de Chile. In Reunión Latinoamericana de Fitotecnia, 5a., Buenos Aires, 1961. Actas. Buenos Aires, Instituto Nacional de Tecnología Agropecuaria, 1963. vol. II. p. 260.
423. _____ y PARATORI B., O. Consideraciones sobre la utilización de selección recurrente reciproca en variedades macolladoras. In Reunión Latinoamericana de Fitotecnia, 5a., Buenos Aires, 1961. Actas. Buenos Aires, Instituto Nacional de Tecnología Agropecuaria, 1963. vol. II. pp. 259-260.
424. PASS, H. Performance tests of corn varieties and hybrids, 1960. Oklahoma Agricultural Experiment Station. Miscellaneous Publication MP-61. 1961. 16 p.
425. _____ Performance tests of corn varieties and hybrids, 1962. Oklahoma Agricultural Experiment Station. Miscellaneous Publications MP-68. 1963. 11 p.
426. _____ Performance tests of corn varieties and hybrids, 1963. Oklahoma Agricultural Experiment Station. Miscellaneous Publication MP-72. 1964. 16 p.
427. _____, BROOKS, J. S. y SMITH, J. W. Performance tests of corn varieties and hybrid, 1954. Oklahoma Agricultural Experiment Station. Mimeographed Circular nº M-265. 1954. 7 p.
428. PATERNIANI, E. O valor dar colecoes originais de milho para o melhoramento. In Reunión Latinoamericana de Fitotecnia, 4a., Santiago de Chile, nov. 24 - dic. 6, 1958. Actas. Santiago de Chile, Ministerio de Agricultura, 1961? pp. 289-290.
429. _____ y LONNQUIST, J. H. Heterosis in interracial crosses of corn (Zea mays L.). Crop Science 3(6):504-507. 1963.
430. PAULETTE DEL C., M. Modificaciones en los métodos convencionales pueden determinar avances en el mejoramiento de poblaciones de maíz. Agronomía (Perú) 30(1):13-26. 1964.

431. PENNY, L. G., RUSSELL, W. A. y SPRAGUE, G. F. Types of gene action in yield heterosis in maize. *Crop Science* 2(4): 341-344. 1962.
432. RATTRAY, A. Maize improvement and the development of hybrid maize in Rhodesia. *Rhodesia Agricultural Journal* 59(3): 166-169. 1962.
433. REEVES, R. G. y BOCKHOLT, A. J. Modification and improvement of maize inbred by crossing it with Tripsacum. *Crop Science* 4(1):7-10. 1964.
434. UNA REVOLUCION en el maíz. *Agricultura de las Américas* 12(10):25-27. 1963.
435. REYES C., P. et al. H-507; nuevo maíz híbrido para zonas tropicales. *Agricultura Técnica en México* nº 11:9-11. 1960-1961.
436. ROBINSON, H. F. y COCKERHAM, C. C. Heterosis and inbreeding depression in populations involving two open-pollinated varieties of maize. *Crop Science* 1(1):68-71. 1961.
437. ROMERO FRANCO, J. Programa de mejoramiento de maíz en Honduras. In Reunión Centroamericana sobre Mejoramiento del Maíz, 9a., San Salvador, El Salvador, 1963. Proyecto Cooperativo Centroamericano. México, s.f. pp. 28-29.
438. ROSS, G. L., PARDEE, W. D. y LENG, E. R. Performance of commercial corn hybrids in Illinois 1960-1962. Illinois Cooperative Extension Service. Circular 859. 1963. 27 p.
439. _____, WILLIAMS, K. E. y PARDEE, W. D. Performance of commercial corn hybrids in Illinois 1961-1963. Illinois College of Agriculture Extension Service. Circular 877. 1964. 28 p.
440. ROSSI, J. C. y PETRI, F. Nuevo germoplasma en los planes de perfeccionamiento del maíz en la Argentina. In Reunión Latinoamericana de Fitotecnia, 5a., Buenos Aires, 1961. Actas. Buenos Aires, Instituto Nacional de Tecnología Agropecuaria, 1963. vol. II. p. 254.
441. _____ y PETRI, F. Nuevos híbridos argentinos de grano colorado duro, prolíficos. In Reunión Latinoamericana de Fitotecnia, 5a., Buenos Aires, 1961. Actas. Buenos Aires, Instituto Nacional de Tecnología Agropecuaria, 1963. vol. II. p. 255.

442. ROSSMAN, E. C. Released inbred lines of corn. Michigan Agricultural Experiment Station. Quarterly Bulletin. 46(4):499-501. 1964.
443. _____, BROWN, C. E. y MEGGIT, W. F. Corn hybrids compared - 1962. Michigan State University. Cooperative Extension Service, Extension Folder F-67. 1962. s.p.
444. RUBTSOVA, M. S. Several physiological features on hybrids and initial self-pollinated lines of corn. Plant Physiology (Rusia) 7(6):574-578. 1961.
- Edición en inglés.
445. SABOE, L. C. Crop varieties and corn hybrids for Ohio in 1963. Ohio Agricultural Extension Service. Bulletin 347. 1962. 20 p.
446. SALAS, C. A. Resumen de los seis años de labor del PCCMM en Costa Rica. In Reunión Centroamericana sobre Mejoramiento del Maíz, 6a., Managua, Nicaragua, 1960. Proyecto Cooperativo Centroamericano. México, s.f. pp. 29-30.
447. _____ y BONILLA, N. Programa de mejoramiento de maíz en Costa Rica. In Reunión Centroamericana sobre Mejoramiento del Maíz, 9a., San Salvador, El Salvador, 1963. Proyecto Cooperativo Centroamericano. México, s.f. pp. 31-33.
448. SALAZAR, A. Comportamiento experimental de los primeros híbridos nacionales de maíz. Nuestra Tierra, Paz y Progreso (Nicaragua) 6(58):167-168. 1962.
449. _____ La introducción de germoplasma nuevo en los programas de mejoramiento de maíz. Nuestra Tierra Paz y Progreso (Nicaragua) 6(59):211-212. 1962.
450. _____ Resumen regional de los datos obtenidos por el PCCMM en 1961. In Reunión Centroamericana sobre Mejoramiento del Maíz, 8a., San José, Costa Rica, 1962. Proyecto Cooperativo Centroamericano. México, s.f. pp. 48-52.
451. _____ La introducción de germoplasma nuevo en los programas de mejoramiento de maíz en América Central y Panamá. In Reunión Latinoamericana de Fitotecnia, 5a., Buenos Aires, 1961. Actas. Buenos Aires, Instituto Nacional de Tecnología Agropecuaria, 1963. vol. II. p. 237.

452. SALAZAR B., A. y LONNQUIST, J. H. Tester sampling bias in the topcrossing of inbred lines of corn. *Crop Science* 3(4):317-322. 1963.
454. SANDOVAL S., A. Situación actual del programa de mejoramiento de maíz en Guatemala. In Reunión Centroamericana sobre Mejoramiento del Maíz, 8a., San José, 1962. Proyecto Cooperativo Centroamericano. México, s.f. pp. 36-38.
- 454bis. _____ y FUENTES C., A. Resultados preliminares del programa tropical de cruzas intervarietales de maíz en Guatemala. *Investigaciones Agropecuarias (Guatemala)* 1(2): 73-89. 1960.
455. SANTOS, I. S., BERNARDO, F. A. y MARCOS-TESPORA, N. Performance of yellow-endosperm synthetic corn varieties. *Phillipine Agriculturist* 43(4):260-270. 1959.
456. SHANK, D. B. y ADAMS, M. W. Environmental variability within inbred lines and single crosses of maize. *Journal of Genetics* 57(1):119-126. 1960.
457. _____ y KRATOCHVIL, D. E. 2 new corn hybrids. *South Dakota Farm and Home Research* 9(1):22-24. 1957.
458. _____ y NAGEL, C. M. Two new corn hybrids. *South Dakota Farm and Home Research* 12(3):23-24. 1961.
459. SHAVER, D. L. Cytogenetic studies of allotetraploid hybrids of maize and perennial teosinte. *American Journal of Botany* 49(4):348-354. 1962.
460. SILVA, J. V. DA. Contribuição para o estudo de um programa de melhoramento do milho na região do Chimoio. *Estudos Agronómicos* 1(4):319-336. 1960.
461. SINGH, A. Genotype-environment interaction in S_1 maize lines and their top-cross progenies. *Indian Journal of Genetics & Plant Breeding* 21(3):153-163. 1962.
462. SPRAGUE, G. F. Estimates of genetic variations in two open-pollinated varieties of maize and their reciprocal F_1 hybrids. *Crop Science* 4(3):332-334. 1964.
463. TERMUNDE, D. E., SHANK, D. B. y DIRK, V. A. Effects of population levels on yield and maturity of maize hybrids grown on the Northern Great Plains. *Agronomy Journal* 55(6):551-555. 1963.

464. THOMAS, W. I., GORSLINE, G. W. y KORMAN, G. W. 1960
Pennsylvania commercial hybrid corn tests. Pennsylvania Agricultural Experiment Station. Progress Report 229. 1961. 14 p.
465. _____ y GORSLINE, G. W. Pa 825, a long season corn hybrid for Pennsylvania. Pennsylvania Agricultural Experiment Station. Progress Report 235. 1962. 2 p.
466. THOMPSON, D. L. Stalk strength of corn as measured by crushing estrength and rind thickness. Crop Science 3(4):323-329. 1963.
467. TRIVELLI, O. Efectos de prácticas culturales en nuevos híbridos de maíz. In Reunión Latinoamericana de Fitotecnia, 5a., Buenos Aires, 1961. Actas. Buenos Aires, Instituto Nacional de Tecnología Agropecuaria, 1963. vol. II. pp. 256-257.
468. VALLE, A. J. Papel que desempeña el Servicio de Extensión Agrícola de Honduras en el aumento de la producción de maíz. In Reunión Centroamericana sobre Mejoramiento del Maíz, 6a., Managua, Nicaragua, 1960. Proyecto Cooperativo Centroamericano. México, s.f. pp. 63-65.
469. VILLENA D., W. Desarrollo de los ensayos del PCCMM en Nicaragua durante 1959. In Reunión Centroamericana sobre Mejoramiento del Maíz, 6a., Managua, Nicaragua, 1960. Proyecto Cooperativo Centroamericano. México, s.f. pp. 31-33.
470. _____ Resumen de seis años de labor del PCCMM en Nicaragua, 1954-1959. In Reunión Centroamericana sobre Mejoramiento del Maíz, 6a., Managua, Nicaragua, 1960. Proyecto Cooperativo. México, s.f. pp. 33-36.
471. WELLHAUSEN, E. J. Los manantiales que alimentan el río de la abundancia en la producción del maíz. In Reunión Centroamericana sobre Mejoramiento del Maíz, 6a., Managua, Nicaragua, 1960. Proyecto Cooperativo Centroamericano. México, s.f. pp. 7-10.
472. _____ Plan para el mejoramiento progresivo del maíz en cooperación con los agricultores. In Reunión Centroamericana sobre Mejoramiento del Maíz, 8a., San José, Costa Rica, 1962. Proyecto Cooperativo Centroamericano. México, s.f. pp. 10-13.

473. WELLHAUSEN, E. J. Un nuevo enfoque de los viejos métodos de mejoramiento de maíz. In Reunión Centroamericana sobre Mejoramiento del Maíz, 9a., San Salvador, El Salvador, 1963. Proyecto Cooperativo Centroamericano. México, s.f. pp. 63-66.
474. WISER, W. J. 1949 hybrid corn yield tests. Arkansas Agricultural Experiment Station. Report Series 14. 1950. 27 p.
475. _____ 1950 hybrid corn yield tests. Arkansas Agricultural Experiment Station. Report Series 23. 1951. 27 p.
476. WOODSTOCK, L. W. y SKOOG, F. Relationships between growth rates and nucleic acid contents in the roots of inbred lines of corn. American Journal of Botany 47(9): 713-716. 1960.
477. WOOLLEY, D. G., BARACCO, N. P. y RUSSELL, W. A. Performance of four corn inbreds in single-cross hybrids as influenced by plant density and spacing patterns. Crop Science 2(5):441-444. 1962.
478. YORK, J. O. y HELM, J. E. Arkansas hybrid corn performance tests, 1956-1961. Arkansas Agricultural Experiment Station. Report Series 117. 1963. 21 p.
479. _____, SHEPPERD, R. L. y NETTLES, C. J. Effect of different planting dates on the performance of corn hybrids of three maturity groups. Arkansas Agricultural Experiment Station. Report Series 102. 1961. 16 p.
480. ZIEZERL, J. E., RIVENBARK, W. L. y HAGEMAN, R. H. Nitrate reductase activity, protein content, and yield of four maize hybrids at varying plant populations. Crop Science 3(1):27-32. 1963.

Selección

Selección para Resistencia al Frío
(Breeding for Resistance to Cold)

481. SHKOL'NIK, M. Ya., ABDURASHITOV, S. A. y BOZHENKO, V. P. Effect of microelements of cold resistance of corn. Plant Physiology (Rusia) 7(5):469-473. 1961.

Selección

Selección para Resistencia a las Enfermedades
(Breeding for Resistance to Diseases)

482. ALVAREZ A., M. Ensayo de resistencia varietal del maíz al Ustilago zeae. In Reunión Latinoamericana de Fitotecnia, 4a., Santiago de Chile, nov.24-dic.6,1958. Actas. Santiago, de Chile, Ministerio de Agricultura, 1961? pp. 270-271.
483. CRESS, C. E. y THOMPSON, D. L. Early evaluation of corn for resistance to brown spot. Crop Science 2(4):330-333. 1962.
484. FOCKE, I. y FOCKE, R. Prüfung der Pythium-resistenz beim Mais im Embryonentest. Züchter 30(7):285-291. 1960.
485. GOMEZ, A. A. et al. Preliminary studies on the inheritance of the reaction of corn to downy mildew disease. Philippine Agriculturist 47(3-4):113-116. 1963.
486. HILU, H. M. y HOOKER, A. L. Host-pathogen relationship of Helminthosporium turcicum in resistant and susceptible corn seedling. Phytopathology 54(5):570-575. 1964.
487. JENKIS, M. T. y ROBERT, A. L. Further genetic studies of resistance to Helminthosporium turcicum pass. in maize by means of chromosomal translocations. Crop Science 1(6):450-455. 1962.
488. LEE, B. H. et al. Genetic relationships of alleles on chromosome 10 for resistance to Puccinia sorghi in 11 corn lines. Crop Science 3(1):24-26. 1963.
489. MALM, N. R. y HOOKER, A. L. Resistance to rust, Puccinia sorghi Schw., conditioned by recessive genes in two corn inbred lines. Crop Science 2(2):145-147. 1962.
490. MOLL, R. H., THOPSON, D. L. y HARVEY, P. H. A quantitative genetic study of the inheritance of resistance to brown spot (Physoderma maydis) of corn. Crop Science 3(5): 389-391. 1963.
491. MOLOT, P. M. y SIMONE, J. Influence de divers facteurs sur la resistance du mais aux parasites cryptogamiques. Annales des Epiphytes 13(2):77-93. 1962.

492. RIEGEROWA, H. y SLABONSKI, A. Smut resistance of corn varieties investigated by the method of field infection. Warszawa, Centralny Instytut Informacji Naukowo-Technicznej i Ekonomicznej, 1962. 30 p. (OTS 61-31272)

Translated reprint from Polish.

493. ROSSI, J. C. y PETRI, F. Maices resistentes a la podredumbre de la raíz y del tallo. In Reunión Latinoamericana de Fitotecnia, 5a., Buenos Aires, 1961. Actas. Buenos Aires, Instituto Nacional de Tecnología Agropecuaria, 1963. vol. II. p. 255.
494. THOMPSON, D. L., RAWLINGS, J. O. y MOLL, R. H. Inheritance and breeding information pertaining to brown spot resistance in corn. Crop Science 3(6):511-514. 1963.
495. ULLSTRUP, A. J. Sources of resistance to Northern corn leaf blight. Plant Disease Reporter 47(2):107-108. 1963.

Selección

Selección para Resistencia a la Sequía y el Calor
(Breeding for Resistance to Drought and Heat)

496. ROSIC, K. A contribution to the study of the genetic resistance of corn to drought. Journal for Scientific Agricultural Research (Yugoslavia) 16(53):97-110. 1963.

Edición en inglés.

497. SALVIOLI, R. A. Posibilidades fitotécnicas en la selección de maíz resistente a la sequía. Revista Agronómica del Noroeste Argentino 4(1):89-95. 1963.

498. VOLODARSKII, N. I. y ZINEVICH, L. V. Drought resistance of corn during ontogeny. Plant Physiology (Rusia) 7(2): 176-179. 1960.

Edición en inglés.

Selección

Selección para Resistencia a los Insectos
(Breeding for Resistance to Insects)

499. ANGLADE, P. Essai de mise au point d'une méthode de mesure de la sensibilité des lignées de maïs aux chenilles de la génération estivale de la sesamie (*Sesamia nonagriooides* Lef.). *Annales des Epiphyties* 12(4):413-422. 1961.
500. GUTHRIE, W. D., DICKE, F. F. y NEISWANDER, C. R. Leaf and sheath feeding resistance to the european corn borer in eight inbred lines of dent corn. *Ohio Agricultural Experiment Station. Research Bulletin* 860. 1960. 38 p.
501. HORVITZ, S. Trabajos en marcha sobre resistencia e insectos en el maíz. *Agronomía Tropical (Venezuela)* 10(3):107-114. 1960.
502. LAZAREVIC, B. Inquiries into the resistance of some hybrid corns towards the corn borer. *Annales des Epiphytes* 12(4):405-411. 1961.
503. LE BERRE, J. R. y MOREAU, J. P. Différences variétales de comportement dans la nature de quelques maïs hybrides vis-à-vis de l'*Oscinie*, *Oscinella frit* L. *Annales des Epiphytes* 12(4):423-432. 1961.
504. LIEDERMANN, L. Estudios sobre el comportamiento de nuevas variedades de maíz con relación al ataque de tres larvas de lepidópteros en diferentes épocas. In *Reunión Latinoamericana de Fitotecnia*, 5a., Buenos Aires, 1961. *Actas. Buenos Aires, Instituto Nacional de Tecnología Agropecuaria*, 1963. vol. II. pp. 247-248.
505. McCAIN, F. S., EDEN, W. G. y SINGH, D. N. A technique for selecting for rice weevil resistance in corn in the laboratory. *Crop Science* 4(1):109-110. 1964.
506. MONTEAGUDO PAZ, A. Antibiosis y preferencia como mecanismo de la resistencia al taladro del maíz. In *Madrid. Instituto Nacional de Investigaciones Agronómicas. Conferencias*, 1962-63. Madrid, 1964. pp. 143-154.
507. PAINTER, H. Insect resistance in plants. *Annales des Epiphytes* 12(4):397-403. 1961.

508. PANT, N. C., GUPTA, P. y NAYAR, J. K. Physiological studies on Chilo zonellus Swinh; a pest on maize crop. I. Growth on artificial diets. Proceedings of the National Institute of Sciences of India 26(6):379-383. 1960.
509. ROBERTSON, D. S. y WALTER, E. V. Genetic studies of earworm resistance in maize. Utilizing a serie of chromosomes-nine translocations. Journal of Heredity 54(6):267-272. 1963.
510. VARGAS, O. F. Un estudio de evaluación del daño externo y resistencia de híbridos de maíz al gorgojo del arroz, Sitophilus oryzae (L.) curculionidae: coleoptera. Perú. Estación Experimental Agrícola de Tingo María. Boletín nº 4. 1962. 10 p.
511. WHITNEY, N. J. y MORTINMORE, C. G. Evaluation of a bio-assay of ether extracts from corn (Zea mays L.) as a means of screening inbreds for resistance to root and stalk rot. Canadian Journal of Plant Science 42(2):302-307. 1962.

Selección

Selección para Composición Química
(Breeding for Chemical Content)

512. BRUNSON, A. M. y QUACKENBUSH, F. W. Breeding corn with high provitamin A in the grain. Crop Science 2(4):344-347. 1962.
513. LENG, E. R. Selection reversal in strains of corn previously long-term selected for chemical composition. Crop Science 2(2):167-170. 1962.
514. _____ Oil and protein contents of corn have been greatly changed in long-time selection experiment. Illinois Research 5(1):10-11. 1963.

PRACTICAS DE CULTIVO
(CULTURAL PRACTICES)

General
(General)

515. BATEMAN, H. P. y BOWERS, W. Planning a minimum tillage system for corn. Illinois. University. College of Agriculture. Extension Service. Circular 846. 1962. 12 p.
516. BESNIER, F. La siembra de maíz a máquina. España. Ministerio de Agricultura. Hojas Divulgadoras nos. 3-4-63 H. 1963. 24 p.
- También en: Hacienda 59(3):26-28. 1964.
517. BLOSSER, R. H. Your guide to corn and soybean profits. Crops and Soils 15(5):12-13. 1963.
518. _____ What you should know about continuous corn; studies show this system can be an income builder, but a careful evaluation is needed before putting it into use. Better Farming Methods 36(4):14-16. 1964.
519. BRASIL. RIO GRANDE DO SUL. SECRETARIA DA AGRICULTURA. Milho, origem, cultivo, colheita, conservação, utilidade. Porto Alegre, Secretaria da Agricultura, 1959. 99 p.
520. BRAUER H., O. y RAMIREZ GENEL, M. El totomoxtle como protector de la mazorca. Agricultura Técnica en México nº 10: 39-40. 1960.
521. BUCKINGHAM, F. Producción de maíz; equipo y prácticas de siembra. Agricultura de las Américas 10(4):58-61, 68, 70, 72. 1961.
522. _____ Producción del maíz; prácticas preliminares y equipo para mayor rendimiento. Agricultura de las Américas 10(2):50-52, 54. 1961.
- También en: Boletín de la Compañía Administradora del Guano (Perú) 37(7):8-11. 1961.
523. _____ Producción de maíz: labores intermedias y equipo necesario. Agricultura de las Américas 11(4):62-64. 1962.

524. CASSELMAN, T. W., SCHMIDT, J. L. y LOVELY, W. G. Corn topping prior to harvest. Agricultural Engineering 42(10):542-545. 1961.
525. CORNELIUS, P. L., RUSSELL, W. A. y WOOLLEY, D. G. Effect of topping on moisture loss, dry matter accumulation and yield of corn grain. Agronomy Journal 53(5):285-289. 1961.
526. COSTA RICA. MINISTERIO DE AGRICULTURA E INDUSTRIAS. Manual de recomendaciones para el cultivo de productos agrícolas en Costa Rica. Boletín Técnico nº 32. 1960. 64 p.
- Maiz pp. 30-33.
527. CULTIVO DEL maiz. Lima. Estación Experimental Agrícola de "La Molina". Informe Mensual 33 (386):29-30. 1959.
528. DOREN, D. M. VAN, Jr. et al. Growing continuous corn. Crops and Science 13(6):9-12. 1961.
529. _____ y RYDER, G. J. Factors affecting use of minimum tillage for corn. Agronomy Journal 54(5):447-450. 1962.
530. ECHEŃWALD, A., ORTIZ LUGO, C. y GONZALEZ CHAPEL, A. Cultivo comercial del maíz y sus enemigos. Campo (Cuba) 12(1): 33-40. 1960.
531. FOTH, H. D. Root distribution of corn drilled in rows. Michigan. State University. Quarterly Bulletin 43(4): 682-689. 1961.
532. FREE, G. R., FERTIG, S. N. y BAY, C. E. Zero tillage for corn following sod. Agronomy Journal 55(2):207-208. 1963.
533. GILMORE, A. R. y McKIBBEN, G. E. Growing corn in a killed fescue sod. Illinois Research 5(2):3-4. 1963.
534. GOMEZ, J. A., SANCHEZ, C. y RODRIGUEZ, M. Influencia de algunas labores de cultivos en el rendimiento del maíz. Agricultura Tropical (Colombia) 17(7):385-396. 1961.
535. GUEVARA CALDERON, J. Efecto de las prácticas de siembra y de cultivos sobre plagas en maíz y frijol. Fitotecnia Latinoamericana (Costa Rica) 1(1):15-26. 1964.

536. HAYNES, J. L., JOHNSON, W. H. y STRINGFIELD, G. H. Planting methods for improved stands of corn and soybeans on clay and silt-loam soils. *Agronomy Journal* 51(11):640-642. 1959.
537. HOELZ, J. J. Colheitas, secagem, beneficio e conservação do milho. In Brasil, Rio Grande do Sul, Secretaria da Agricultura. Milho: origem, cultivo, colheitas, conservação, utilidade. Porto Alegre, 1959. pp. 43-53.
538. IS THERE a better to plant corn? *Farm Journal* 88(6):31. 1964.
539. JAIN, N. K. et al. Dual purpose corn culture. *Agronomy Journal* 55(4):324-327. 1963.
540. JOHNSON, E. C. et al. Como cosechar 4 toneladas de maíz por hectárea. México. Instituto Nacional de Investigaciones Agrícolas. Circular CIASE nº 3. 1962. 15 p.
541. JONES, J. B., Jr. Effect of date of topping upon yields in Ohio. *Crops Science* 1(4):303. 1961.
542. LARSON, W. E. Tillage requirements for corn. *Journal of Soil and Water Conservation* 17(1):3-7. 1962.
543. LEITE, C. A. SA. Cultura do milho. In Brasil, Rio Grande do Sul, Secretaria da Agricultura. Milho: origem, cultivo, colheitas, conservação, utilidade. Porto Alegre, 1959. pp. 14-21.
544. LILJEDAHLL, J. B., WILLIAMS, J. L. y ALBRECHT, K. J. Flame cultivation for corn? *Crops and Soils* 15(6):7-9. 1963.
545. LOPEZ RUBIANO, H. Comience bien su cultivo de maíz. Agricultura Tropical (Colombia) 20(2):100-102. 1964.
546. MARTEN, G. C., JORDAN, R. M. y WEDIN, W. F. Effects of oats-rape interseeding and lamb-grazing on corn yield. *Agronomy Journal* 56(2):205-208. 1964.
547. NIETO H., J. y STANIFORTH, D. W. Corn-foxtail competition under various production conditions. *Agronomy Journal* 53(1):1-5. 1961.
548. OHLROGGE, A. J. Corn yields with precision ease. *Better Crops with Plant Food* 47(5):6-13. 1963.
549. PEREZ, J. R. Milho: novas técnicas resultam em maiores lucros. *Rural* 43(509):35-37. 1963.

550. PETERSON, A. E. Maíz - Un sistema nuevo se usa con éxito para una cosecha vieja. Hacienda 59(5):21-23. 1964.
551. PLANTAGAO RACIONAL do milho. Rural (Brasil) 43(512):21. 1963.
552. PUENTE BERUMEN, A. et al. Ensayo de maíz tropical con tres variantes: combate de hierbas, distribución de semilla, abonado. Agricultura Técnica en México nº 10:4-7. 1960.
553. ROBLES, L. et al. Cultivo del maíz. Agronomía (México) nº 90:3. 1963.
554. RUZICIC, N., PATARCIC, A. y LONCAREVIC, J. Investigation into corn harvesting machines. Journal for Scientific Agricultural Research (Yugoslavia) 15(48):127-148. 1962.

Edición en inglés.

555. SHEKHAWAT, G. S., SINGH, U. B. y JAIN, R. K. Preliminary observations on the effect of detasselling in maize. Current Science 33(2):57-58. 1964.
556. SHUBECK, F. Minimum tillage for growing corn. South Dakota Farm and Home Research 14(3):3-9. 1963.
557. SIEMBRA Y CULTIVO DEL MAIZ. Chacra (Argentina) 31(361): 32-34. 1960.
558. STACY, S. V. Corn varieties, hybrids and cultural practices. Georgia Agricultural Experiment Station. Circular nº 126. 1941. 13 p.
559. TRIVELLI, O. Efectos de prácticas culturales en nuevos híbridos de maíz. In Reunión Latinoamericana de Fitotecnia, 5a., Buenos Aires, 1961. Actas. Buenos Aires, Instituto Nacional de Tecnología Agropecuaria, 1963. vol. II. pp. 256-257.
560. WILLIAMS, L. E. y SCHMITTHENNER, A. F. Effect of crop on yields, stalk rot, and root rot of corn. Phytopathology 53(12):1412-1414. 1963.

Siembra y Espaciamiento
(Planting and Spacing)

561. BATEMAN, H. P. y BOWERS, W. Corn-planter calibration for highest yields. Illinois. University. College of Agriculture. Extension Service. Circular 840. 1961. 7 p.
562. CALMA, V. C. y MARTINEZ, R. P. The influence upon the yield of sweet corn of the number of plants in a hill. Philippine Agriculturist 34(3):169-173. 1951.
563. COLVILLE, W. L. et al. Influence of plant population, hybrids, and "productivity level on irrigated corn production. Agronomy Journal 56(3):332-335. 1964.
564. _____ y McGILL, D. P. Effect of rate and method of planting on several plant characters and yield of irrigated corn. Agronomy Journal 54(3):235-238. 1962.
565. CHINWUBA, P. M., GROGAN, C.O. y ZUBER, M. S. Interaction of detasseling, sterility, and spacing on yields of maize hybrids. Crop Science 1(4):279-280. 1961.
566. EVANS, D. D. et al. Soil moisture, nitrogen and stand density effects on growth and yield of sweet corn. Oregon Agricultural Experiment Station. Technical Bulletin 53. 1960. 36 p.
567. EXPERIMENTO FACTORIAL conducido con maíz en Hidalgo, Mich., para investigar cuatro fórmulas fertilizantes y tres densidades de siembra. Boletín de Guanos y Fertilizantes de México 2(14):4-7. 1958.
568. FANNING, D. S. y BRADY, N. C. An evaluation of the plow-plant method of corn planting. Agronomy Journal 55(4): 348-351. 1963.
569. FAYEMI, A. A. Effect of plant population and spacing on the yield of maize in the humid tropics. Empire Journal of Experimental Agriculture 31(124):371-375. 1963.
570. GOLDSON, J. R. The effect of time of planting on maize yields. East African Agricultural and Forestry Journal 29(2):160-163. 1963.
571. HAYNES, J. L., JOHNSON, W. H. y STRINGFIELD, G. H. Planting methods for improved stands of corn and soybeans on clay and silt-loam soils. Agronomy Journal 51(11):640-642. 1959.
572. HINKLE, D. A. y GARRETT, J. D. Corn fertilizer and spacing experiment. Arkansas Agricultural Experiment Station. Bulletin 635. 1961. 34 p.

573. JORDAN, H. V. et al. Ten years' results in a nitrogen fertilizer-plant population experiment with corn. Mississippi Agricultural Experiment Station. Bulletin nº 570. 1958. 11 p.
574. LAZAREVIC, B. y TRIFUNOVIC, V. The effect of sowing time on the strength of the corn borer's attack and on yields of various varieties and hybrids of corn. Journal for Scientific Agricultural Research (Jugoslavia) 15(47): 131-145. 1962.
575. LEWIS, W. W. et al. Placement of fertilizers on corn at planting. Virginia Polytechnic Institute, Agricultural Extension Service. Leaflet nº 99, 1960. 1 p.
576. LONG, O. H. Nitrogen and spacing experiments with corn. Tennessee Agricultural Experiment Station. Bulletin nº 232. 1953. 34 p.
577. ————— Nitrogen and plant population in corn production. Tennessee Agricultural Experiment Station. Bulletin nº 337. 1961. 37 p.
578. MENDEZ AROCHA, J. L. y MENDOZA A., N. Siembra mecánica de maíz con semilla clasificada. Cagua, Venezuela, Servicio Shell para el Agricultor. Serie B nº 4. 1960. 34 p.
579. MENDOZA, N. y MENDEZ AROCHA, J. L. Siembra mecánica del maíz. Ingeniería Agronómica (Venezuela) nº 2:25-36. 1959.
580. NORDEN, A. J. Response of corn (Zea mays L.) to population, bed height, and genotype on poorly drained sandy soil. I. Root development. Agronomy Journal 56(3):269-273. 1964.
581. PENDLETON, J. W. y SEIF, R. D. Plant population and row spacing studies with brachytic 2 dwarf corn. Crop Science 1(6):433-435. 1961.
582. PUENTE BERUMEN, A. et al. Ensayo de maíz tropical con tres variantes: combate de hierbas, distribución de semilla, abonado. Agricultura Técnica en México nº 10:4-7. 1960.
583. PUENTE F., F. et al. Prácticas de fertilización y población óptima para siembras de maíz en las regiones tropicales de Veracruz. México. Instituto Nacional de Investigaciones Agrícolas. Folleto Técnico nº 45. 1963. 53 p.

584. RAMIREZ P., F. y LAIRD, R. J. Densidad óptima de plantas de maíz para los valles de México y Toluca. México, Secretaría de Agricultura y Ganadería, Oficina de Estudios Especiales. Folleto Técnico nº 42. 1960. 27 p.
- También en: Campo (México) 26(830):6-8, 10-14, 16-18, 20, 22-29. 1961.
585. SANDOVAL, A. e IBARRA, E. Efectos de la época de siembra en el rendimiento del maíz en la zona media. Investigaciones Agropecuarias (Guatemala) 2(4):16-25. 1961.
586. SMITH, L. E., THOMAS, D. W. y WIERSMA, D. An economic analysis of water, nitrogen and seeding rate relationships in irrigated corn production. Indiana (Purdue) Agricultural Experiment Station. Research Bulletin nº 755. 1962. 24 p.
587. TERMUNDE, D. E., SHANK, D. B. y DIRK, V. A. Effects of population levels on yield and maturity of maize hybrids grown on the Northern Great Plains. Agronomy Journal 55(6):551-555. 1963.
588. TRIPLETT, G. B., Jr., JOHNSON, W. H. y DOREN, D. M. VAN. Performance of two experimental planters for non-tillage corn culture. Agronomy Journal 55(4):408-409. 1963.
589. VERMA, G. y BHATNAGAR, P. S. Fertilizer-spacing variety studies on Zea mays L. in Uttar Pradesh. Indian Journal of Agricultural Science 32(1):1-8. 1962.
590. VITTMUM, M. T. et al. Response of sweet corn to irrigation, fertility level, and spacing. New York (Geneva) Agricultural Experiment Station. Bulletin nº 786. 1959. 45 p.
591. WET, D. F. DE y ENGELBRECHT, C. Espacement of maize in dry regions. Farming in South Africa 38(6):62-65. 1962.
592. WIGGANS, S. C. The effect of nitrogen fertilizer and plant stand on yield of sweet corn in Oklahoma; progress report, 1962. Oklahoma Agricultural Experiment Station. Processed Series P-438. 1963. 6 p.
593. WOOLLEY, D. G., BARACCO, N. P. y RUSSELL, W. A. Performance of four corn inbreds in single-cross hybrids as influenced by plant density and spacing patterns. Crop Science 2(5):441-444. 1962.

594. YAO, A. Y. M. y SHAW, R. H. Effect of plant population and planting pattern of corn on water use and yield. *Agronomy Journal* 56(2):147-152. 1964.
595. _____ y SHAW, R. H. Effect of population and planting pattern of corn on the distribution of net radiation. *Agronomy Journal* 56(2):163-169. 1964.
596. YORK, J. O., SHEPPERD, R. L. y NETTLES, C. J. Effect of different planting dates on the performance of corn hybrids of three maturity groups. *Arkansas Agricultural Experiment Station. Report Series* 102. 1961. 16 p.
597. ZELAYA Q., R. Efectos del nivel de nitrógeno y fechas de siembra sobre los rendimientos del maíz en Nicaragua. In *Reunión Centroamericana sobre Mejoramiento del Maíz*, 6a., Managua, Nicaragua, 1960. Proyecto Cooperativo Centroamericano. México, s.f. pp. 51-52.
598. ZIEZERL, J. E., RIVENBARK, W. L. y HAGEMAN, R. H. Nitrate reductase activity, protein content, and yield of four maize hybrids at varying plant populations. *Crop Science* 3(1):27-32. 1963.

Rotación y Siembras Intercaladas
(Rotation and Companion Crops)

599. ALEXANDER, M. W. y GENTER, C. F. Production of corn and soybeans in alternate pairs of rows. *Agronomy Journal* 54(3):233-234. 1962.
600. BEATY, E. R. y GIDDENS, J. Effect of various methods of seedbed preparation and cultivation on yields of corn grown following rye. *Agronomy Journal* 54(5):431-432. 1962.
601. BERRY, R. L. Most profitable rotations for the corn belt area of Southeastern South Dakota. *South Dakota Agricultural Experiment Station. Circular* 129. 1956. 40 p.

602. DOLL, E. C., MILLER, H. F. y LINK, L. A. Rotation and nitrogen experiments with corn and wheat. Kentucky Agricultural Experiment Station. Progress Report 122. 1963. 13 p.
603. GRIMES, R. C. Intercropping and alternate row cropping of cotton and maize. East African Agricultural Journal 28(3):161-163. 1963.
- Compendiado en: Agri Digest nº 2:33. 1964.
604. GUKOVA, M. M. y BOGOMOLOVA, R. I. The effect of nutrition on the growth and storage on nitrogen by broad beans in a mixed crop with corn. Doklady (Rusia) 149(1-6): 516-518. 1963.
- Edición en inglés.
605. HARPER, H. J. Effect of fertilizers and legume rotations on corn production in Central Oklahoma. Oklahoma Agricultural Experiment Station. Processed Series P-416. 1962. 9 p.
606. HUNTER, A. S. Corn yields best in mixed rotation. Science for the Farmer 10(3):11. 1963.
607. IVANOV, V. P., YAKOBSON, G. A. y FOMENKO, B. S. Interaction of maize and bean shoots. Soviet Plant Physiology 10(4): 375-383. 1964.
- Edición en inglés.
608. JETER, B. E., SMITH, J. C. y WHITELEY, E. L. Influence of cropping system on cotton and corn yields on the Gulf Coast Prairie. Texas Agricultural Experiment Station. B-993. 1962. 23 p.
609. LAIRD, R. J. et al. Manejo de los residuos de las cosechas en una rotación de maíz y trigo en el Bajío. México. Secretaría de Agricultura y Ganadería, Oficina de Estudios Especiales. Folleto Técnico nº 37. 1959. 23 p.
610. PENDLETON, J. W., BOLEN, C. D. y SEIF, R. D. Alternating strips of corn and soybeans vs. solid plantings. Agronomy Journal 55(3):293-295. 1963.
611. LAS ROTACIONES y los fertilizantes elevan los rendimientos del maíz. Chacra (Argentina) 34(400):58. 1964.

612. STOJKOVIC, L. y SAVIC, R. The effect of preceding crops on the yield of winter wheat and corn. Journal for Scientific Agricultural Research (Jugoslavia) 15(50): 29-46. 1962.

Edición en inglés.

613. TRIPPLET, G. B., Jr. Intercrops in corn and soybean cropping systems. Agronomy Journal 54(2):106-109. 1962.

614. WILLIAMS, L. E. y SCHMITTHENNER, A. F. Effect of crop rotation on yields, stalk rot, and root rot of corn. Phytopatology 53(12):1412-1414. 1963.

Recolección
(Harvesting)

615. ALLGOOD, J. G. y PIERCE, W. H. Cost comparison harvesting corn mechanically. North Carolina. State College of Agriculture and Engineering. Agricultural Extension Service. Extension Circular nº 431. 1961. 8 p.

616. BOSHOFF, B. V. D. The farmer and his maize combine. Farming in South Africa 40(3):11, 13, 14. 1964.

617. COSECHA Y acondicionamiento del maíz. Chacra (Perú) 15(70): 30. 1961.

618. COSECHA MECANICA de maíz. La Chacra (Argentina) 32(379): 4-8. 1962.

619. COSECHADORAS DE maíz. Noticias Agrícolas (Venezuela) 2(31): 121-123. 1961.

620. HUNTER, A. S. y KJELGAARD, W. L. A portable self-propelled one-row corn picker for experimental plots. Agronomy Journal 55(5):504-505. 1963.

621. LICHTWARDT, R. W. y BARRON, G. L. A quantitative deterioration rating scale for shelled corn. Iowa State Journal of Science 34(2):139-146. 1959.

622. NEW SOUTH African maize combine. Farming in South Africa 39(4):13-14. 1963.

623. PATARCIC, R. N. y LONCAREVIC, J. Investigation into corn harvesting machines. Journal for Scientific Agricultural Research 15(48):114-132. 1963.
624. VORSTER, J. A. Handling of unbagged maize on the farm. Farming in South Africa 40(3):27, 29, 31. 1964.
625. WYK, J. J. VAN. Weigh the pros and cons before you buy a maize combine. Farming in South Africa 40(3):23, 25. 1964.

Malezas y Herbicidas
(Weeds and Herbicides)

626. ALBAN, E. K. Weed control for sweet corn. Ohio Farm and Home Research 48(2):27, 29. 1963.
627. ALABUSHEV, V. A. Effect of the herbicide 2, 4-D on the protein Nitrogen content of barley, corn, and millet grain. Soviet Plant Physiology 9(3):294-296. 1962.
628. APPLICACIONES DE herbicidas en maíz. Noticias Agrícolas (Venezuela) nº 27:1-3. 1958.
629. BRASESCO, J. A. I. Triazina en maíz. In Reunión Latinoamericana de Fitotecnia, 5a., Buenos Aires, 1961. Actas. Buenos Aires, Instituto Nacional de Tecnología Agropecuaria, 1963. vol. II. pp. 261-262.
630. COMPETITION BETWEEN maize and weeds. Farming in South Africa 36(6):27-29. 1960.
631. DOW, A. I. y DAWSON, J. H. Tests with chemical weed control in corn. Washington. State University. Institute of Agricultural Sciences. Extension Service, Extension Circular 324. 1962. 6 p.
632. EASTIN, E. F., PALMER R. D. y GROGAN, C. O. Effect of atrazine on catalase and peroxidase in resistant and susceptible lines of corn. Weeds 12(1):64-65. 1964.
633. _____, PALMER, R. D. y GROGAN, C. O. Mode of action of atrazine and simazine in susceptible and resistant lines of corn. Weeds 12(1):49-53. 1964.

634. EDDOWES, M. Weed control in maize. *World Crops* 12(9): 349-350. 1960.
635. ELIMINACION DE malezas con herbicidas en los maizales. *Noticias Agricolas (Venezuela)* nº 17:1-3. 1957.
636. FOY, CH. L. The influence of formulation, exposure time, and pH on the herbicidal action of dalapon foliar sprays tested on corn. *Hilgardia* 35(7):125-144. 1963.
637. FREEMAN, J. F. y WALDROP, T. W. Tratamiento combinado de dowpon y EPTC para combatir el pasto Johnson en el maíz. *Bickemia* nº 1:18-20. 1963.
Also in English with the title: Combination treatment of dowpon and EPTC control Johnsongrass in corn. *Biokemia* 1(1):18-20. 1963.
638. HAMILTON, R. H. A corn mutant deficient in 2,4-dihydroxy-7-methoxy-1,4-benzoxazin-3-one with an altered tolerance of atrazine. *Weeds* 12(1):27-30. 1964.
639. HERBICIDAS EN maíz. *Noticias Agricolas (Venezuela)* 2(28): 109-110. 1961.
640. MALAGUTI, G., MUÑOZ, A. y VALDIVIESO, L. Daños por insecticidas y herbicidas a plantas de maíz. *Agronomía Tropical (Venezuela)* 13(1):43-47. 1963.
641. McWHORTER, C. G. y BOWMAN, D. H. Chemicals pay in controlling weeds in corn. *Mississippi Farm Research* 26(10): 1, 3. 1962.
642. MISSISSIPPI. AGRICULTURAL EXPERIMENT STATION. Weed control handbook for Mississippi. Bulletin nº 612. 1961. p. 8.
643. MONTILLA, J. A. Aplicación de herbicidas en maíz. *Ingeniería Agronómica (Venezuela)* nº 2:14-20. 1959.
644. NIETO, J. y AGUNDIS, M. Qué tipo de hierba causa más daño al maíz. *Agricultura Técnica en México* 2(2):56-61. 1962-1963.
645. PUENTE BERUMEN, A. et al. Ensayo de maíz tropical con tres variantes: combate de hierbas, distribución de semilla, abonado. *Agricultura Técnica en México* nº 10:4-7. 1960.

646. RAMIREZ, A. Control de malezas en maiz. In Reunión Latinoamericana de Fitotecnia, 5a., Buenos Aires, 1961. Actas. Buenos Aires, Instituto Nacional de Tecnología Agropecuaria, 1963. vol. II. pp. 260-261.
647. ROBINSON, E. L. y DOWLER, CLYDE C.. Herbicides for the control of witchweed (*Striga asiatica*) in early and late planted corn. Weeds 9(4):522-526. 1961.
648. SAND, P. F., ROBINSON, E. L. y DOWLER, C. C. The effect of several herbicides on the control of witchweed in corn. Weeds 12(1):37-39. 1964.
649. TRIPLETT, G. B., Jr. y DOREN, D. M. VAN, Jr. Chemical make possible no-tillage corn. Ohio Farm and Home Research 48(1):6-7. 1963.
650. VIEWEG, B. K. H. Control weeds in maize on time. Farming in South Africa 37(9):41. 1961.
651. WARDEN, R. L. Post-emergence grass control in corn with directed sprays of Dowpon. Down to Earth 17(4):3-5. 1962.
652. _____ Dowpon usado en aspersión dirigida contra los pastos anuales en maiz. Biokemia nº 1:9-13. 1963.
Also in English with the title: Dowpon used as a direct^{ed} spray on annual grasses in corn. Biokemia 1(1):9-13. 1963.

Cultivo en Barbecho
(Dry Land Farming)

653. BRENGLE, K. F. y GREB, B. W. The use of commercial fertilizers with dryland crops in Colorado. Colorado Agricultural Experiment Station. Bulletin 516-S. 1963. 17 p.
654. COLIGADO, M. C., AGLIBUT, A. P. y SANDOVAL, A. R. Agricultural drough and its effect on corn. Philippine Agriculturist 46(8):602-617. 1963.
655. ENGELBRECHT, C. y WET, D. F. DE. Seed beds for maize on dry-land. Farming in South Africa 39(2):25-27. 1963.

656. MUNRO, J. M. y WOOD, R. A. Water requirements of irrigated maize in Nyasaland. Empire Journal of Experimental Agriculture 32(126):141-152. 1964.
657. SCHMIDT, W. H. y COLVILLE, W. L. Forage yield and composition of teosinte, corn, and forage sorghum grown under irrigation. Agronomy Journal 55(3):327-328. 1963.
658. WET, D. F. DE, y ENGELBRECHT, C. Spacement of maize in dry regions. Farming in South Africa 38(6):62-65. 1962.
659. _____ y ENGELBRECHT, C. Which maize varieties should be cultivated on dry land in the Central Western Orange Free State?. Farming in South Africa 39(4):28-29. 1963.

SUELOS Y FERTILIZANTES
(SOILS AND FERTILIZERS)

Suelos
(Soils)

660. BATEMAN, H. P. y BOWERS, W. Planning a minimum tillage system for corn. Illinois. University. College of Agriculture. Extension Service. Circular 846. 1962. 12 p.
661. BAXTER, P. y FINE, L. O. Fertility helps corn yield more, grow better root systems under limited moisture. South Dakota Farm and Home Research 11(3):3-5. 1960.
662. BRIONES, A. A. y DAVIDE, J. G. The electrical resistance method of measuring soil moisture depletion under a corn crop. Philippine Agriculturist 44(7):338-347. 1960.
663. EVANS, D. D. et al. Soil moisture, nitrogen and stand density effects on growth and yield of sweet corn. Oregon Agricultural Experiment Station. Technical Bulletin 53. 1960. 36 p.
664. GRIFFITH, D. R. y BARBER, S. A. A study of the factors limiting corn yields on the shallow organic soils of Northern Indiana. Indiana Agricultural Experiment Station. Research Progress Report n° 51. 1963. 3 p.

665. HOOKER, A. L. et al. Soil fertility and northern corn leaf blight infection. *Agronomy Journal* 55(4):411-412. 1963.
666. HOOKS, J. A. y ZUBER, M. S. Effects of soil and soil moisture levels on cold-test germination of corn. *Agronomy Journal* 55(5):453-455. 1963.
667. JONES, L. S., FUTRAL, J. G. y ANDERSON, O. E. Subsoiling corn. *Georgia Agricultural Research* 2(2):5, 8. 1960.
668. MACGREGOR, J. M., TASKOVITCH, L. T. y MARTIN, W. P. Effect of nitrogen fertilizer and soil type on the amino acid content of corn grain. *Agronomy Journal* 53(4):211-214. 1961.
669. MEDERSKI, H. J. y JONES, J. B. Effect of soil temperature on corn plant development and yield. I. Studies with a corn hybrid. *Soil Science Society of America. Proceedings* 27(2):186-189. 1963.
670. MOOERS, C. A. Influencia de la productividad de los suelos sobre el orden de los rendimientos de una serie experimental de variedades de maíz. *Boletín de la Compañía Administradora del Guano (Perú)* 10(5):98-102. 1934.
671. PARKER, D. T. y LARSON, W. E. Crop residue placement in soil and its effect upon growth of corn. *Agronomy Journal* 54(3):263-267. 1962.
672. PHILLIPS, R. E. y KIRKHAM, DON. Soil compaction in the field and corn growth. *Agronomy Journal* 54(1):29-34. 1962.
673. RICO H., M. A. Características del gran grupo de suelo latosoles arcillo rojizos de El Salvador. In *Reunión Centroamericana sobre Mejoramiento del Maíz*, 8a., San José, Costa Rica, 1962. Proyecto Cooperativo Centroamericano. México, s.f. pp. 56-59.
674. SALAZAR, J. R. Trabajo experimental realizado en El Salvador por recomendación del PCCMM. In *Reunión Centroamericana sobre Mejoramiento del Maíz*, 8a., San José, Costa Rica, 1962. Proyecto Cooperativo Centroamericano. México, s.f. pp. 55-56.
675. SHAW, R. H. Estimation of soil moisture under corn. *Iowa Agricultural and Home Economics Experiment Station. Research Bulletin* 520:968-980. 1963.

676. STIVERS, R. K. et al. The relation of sub-soiling, deep lime and deep phosphate application to the yields of corn, peanut and alfalfa in Virginia. Virginia Agricultural Experiment Station. Research Report nº 1. 1956. 15 p.
677. WADA, K. y MATSUYAMA, M. The influence of clay pan existence in the K.F. and the effect of clay pan shattering on the growth of soy bean and dent corn. In Tohoku University. Faculty of Agriculture. Report 1957-1960. pp. 43-39.
678. WARD, R. C., et al. Factors responsible for poor response of corn and grain sorghum to phosphorus fertilization. III. Effects of soil compaction, moisture level and other properties on P-Zn relations. Soil Science Society of America. Proceedings 27(3):326-330. 1963.
679. WILLARD, C. J., TAYLOR, G. S., y JOHNSON, W. H. Land for corn. Ohio Agricultural Experiment Station. Research Circular nº 30. 1956. 20 p.

Irrigación y Drenaje del Suelo
(Soil Irrigation and Drainage)

680. BOSWELL, V. R. Commercial production of sweet corn. II. Water, soils and fertilizers. World Farming 4(12): 12-14, 24. 1962.
681. BURMAN, R. D., PAINTER, L. I. y PATRIDGE, J. R. Irrigation and nitrogen fertilization of field corn in Northwest Wyoming. Wyoming Agricultural Experiment Station. Bulletin 389. 1962. 15 p.
682. CAIN, S. Efectos de niveles de nitrógeno y sistema de riego en el rendimiento de maíz en El Salvador. In Reunión Centroamericana sobre Mejoramiento del Maíz, 5a., Panamá, 1959. Proyecto Cooperativo Centroamericano. México, Editorial Comaval, s.f. pp. 21-24.
683. COLVILLE, W. L. et al. Influence of plant population, hybrid, and "productivity level on irrigated corn production. Agronomy Journal 56(3):332-335. 1964.

684. EWALT, R. L., DOLL, J. P. y DECKER, W. L. Correlation of drought indices with corn yields. Missouri Agricultural Experiment Station. Research Bulletin 788. 1961. 23 p.
685. GROSKOPP, M. D. y ALBERT, A. R. Irrigated corn in Central Wisconsin. Wisconsin Agricultural Experiment Station. Bulletin 541. 1959. 8 p.
686. HOLT, R. F. y DOREN, C. A. VAN. Water utilization by field corn in Western Minnesota. Agronomy Journal 53(1):43-45. 1961.
687. KIMBROUGH, E. A. y RATLIFF, E. F. The study of irrigation corn in hill sections of Mississippi. Mississippi Agricultural Experiment Station. Bulletin 593. 1960. 7 p.
688. MACKAY, D. C. y EAVES, C. A. The influence of irrigation treatments on yields and on fertilizer utilization by sweet corn and snap beans. Canadian Journal of Plant Science 42(2):219-228. 1962.
689. MCMASTER, G., WALKER, J. G. y OWENS, E. W. Irrigation and fertilization of field corn grown for silage in southeastern Idaho. Idaho Agricultural Experiment Station. Bulletin nº 392. 1962. 15 p.
690. EL MAIZ necesita mucha agua para producir buena cosecha. Agricultura de las Américas 10(9):19-22, 46, 48. 1961.
También en: Boletín de la Compañía Administradora del Guano (Perú) 37(11):3-6. 1961.
691. MEYER, L. D. y MANNERING, J. V. Minimum tillage for corn: its effect on infiltration and erosion. Agricultural Engineering 42(2):72-75. 1961.
692. MILLS, P. F. L. Irrigated maize experiment on a seven-year-old lucerne stand, unfertilized crop gives high yield. Rhodesia Agricultural Journal 59(6):307-308. 1962.
693. NORDEN, A. J. Response of corn (Zea mays L.) to population, bed height, and genotype on poorly drained sandy soil. I. Root development. Agronomy Journal 56(3):269-273. 1964.
694. PARA UNA mayor producción de maíz. Boletín Agrícola (Colombia) nº 520:9217-9223. 1963.

695. PINE, W. H. y EDWARDS, J. D. A study of the economic feasibility of irrigating corn in the Marais des Cygnes Valley, Kansas. Kansas Agricultural Experiment Station. Agricultural Economics Report nº 86. 1959. 28 p.
696. RHODES, H. F. y NELSON, L. D. El uso eficaz del agua para la producción de maíz. II. Eficacia del riego. Agricultura de las Américas 11(3):32-34, 36. 1962.
697. SHAPIRO, R. E. The effect of soil water movement vs. phosphate diffusion on growth and phosphorus content of corn and soybeans. Soil Science Society of America. Proceedings 24(3):161-164. 1960.
698. SMITH, L. E., THOMAS, D. W. y WIERSMA, D. An economic analysis of water, nitrogen and seeding rate relationships in irrigated corn production. Indiana (Purdue) Agricultural Experiment Station. Research Bulletin nº 755. 1962. 24 p.
699. EL USO eficaz del agua para la producción de maíz. Agricultura de las Américas 11(2):50-52. 1962.
También en: Tierra (Méjico) 16(3):189, 235. 1961.
700. VAZQUEZ, R. Effects of irrigation at different growth stage, and of nitrogen levels on corn yields in Lajas Valley, P. R. Journal of Agriculture (Puerto Rico) 45(2):85-105. 1961.
701. VITTUM, M. T. et al. Response of sweet corn to irrigation, fertility level, and spacing. New York (Geneva) Agricultural Experiment Station. Bulletin nº 786. 1959
45 p.

Fertilizantes
(Fertilizers)

General

702. ARCA, M. N. y CANEPA, A. Efecto de la salinidad causada por el cloruro de sodio y el nitrato de sodio en la germinación del algodonero, cebada y maíz. Anales Científicos (Perú) 1(1):64-79. 1963.

703. BAIRD, G. B., VEGA J., V. M. y WIECZOREK, A. Ensayos preliminares sobre respuesta del maíz de clima frío a la aplicación de fertilizantes. *Agricultura Tropical* (Colombia) 16(4):233-240. 1960.
704. BANGE, G. G. y VLIELT, E. VAN. Translocation of potassium and sodium in intact maize seedlings. *Plant and Soil* 15(4):312-328. 1961.
705. BIRCH, H. F. et al. Necesidad de fertilizantes de maíz. *Mensajero Agrícola* (Perú) 23(141):56-57. 1961.
706. BISHOP, R. F. et al. A long-term field experiment with commercial fertilizers and manure. III. Fertility levels, crop yields, and nutrient levels in corn, oats, and clover. *Canadian Journal of Soil Science* 44(1):56-65. 1964.
707. BOSWELL, V. R. Commercial production of sweet corn. II. Water, soils and fertilizers. *World Farming* 4(12):12-14, 24. 1962.
708. BOTACIO, J., Jr. Resultados obtenidos con un ensayo del proyecto cooperativo centroamericano de fertilización del maíz. In *Reunión Centroamericana sobre Mejoramiento del Maíz*, 8a., San José, Costa Rica, 1962. Proyecto Cooperativo Centroamericano. México, s.f. pp. 68-69.
709. BRENGLE, K. G. y GREB, B. W. The use of commercial fertilizers with dryland crops in Colorado. *Colorado Agricultural Experiment Station. Bulletin* 516-S. 1963. 17 p.
Results of experiments with corn pp. 8-10.
710. BULLARD, E. T. y WOODBURY, G. W. Fertilizers for sweet corn. *Idaho Agricultural Experiment Station. Bulletin* nº 223. 1954. 11 p.
711. BURKERSRODA, K. W. VON. Fertilizing maize in Rhodesia. *World Crops* 16(2):75-79. 1964.
712. CAPSTICK, D. F. y HINKLE, D. A. Economics of corn fertilization. *Arkansas Farm Research* 12(6):3. 1963.
713. CASTAÑEDO M., J. G. Informe de los trabajos de fertilización de maíz en Guatemala. In *Reunión Centroamericana sobre Mejoramiento del Maíz*, 5a., Panamá, 1959. Proyecto Cooperativo Centroamericano. México, Editorial Comaval, s.f. pp. 25-26.

714. DAVIDE, J. G. Corn fertilization and seed quality. Philippine Agriculturist 44(9):433-438. 1961.
715. DOLL, E. C. Fertilizer experiments with corn in Kentucky. Kentucky Agricultural Experiment Station. Progress Report 118. 1962. 8 p.
716. EVERET, H. L., UMALI, D. L. y SANTOS, I. S. Multiple fertilization in maize (*Zea mays* Linn.). In Pacific Science Association. Proceedings of the ninth Pacific Science Congress, 1957. Bangkok, Thailand, Secretariat, Ninth Pacific Science Congress, 1960. v. 8. pp. 90-93.
717. EXPERIMENTO FACTORIAL conducido con maíz en Hidalgo, Mich., para investigar cuatro fórmulas fertilizantes y tres densidades de siembra. Boletín de Guanos y Fertilizantes de México 2(14):4-7. 1958.
718. LA FALTA de nutrientes en el maíz. Nuestra Tierra Paz y Progreso (Nicaragua) nº 20:13-15. 1961.
719. FERTILIZANTES PARA el éxito de la producción de maíz. CIA-Corresponsal Internacional Agrícola (Alemania) 2(7):s.p. 1961.
720. GIL BENAVIDES, A. A. Comparación entre cuatro fertilizantes nitrogenados en maíz, en un suelo del Valle del Cauca, Colombia. Acta Agronómica (Colombia) 9(3-4):153-157. 1959.
721. GRIFFIN, G. F. y HANNA, W. J. Fertilization of silage corn pays dividends. Plant Food Review 10(1):4-5. 1964.
722. GRISSOM, P. y SPURGEON, W. I. Fertility practices for cotton and corn in the Yazoo-Mississippi Delta. Mississippi Agricultural Experiment Station. Bulletin 614. 1961. 28 p.
723. GRUNEBERG, F. H. Nutrición y fertilización del maíz. Boletín Verde (Alemania) nº 9. 1959. 46 p.
724. HAGIN, J., RAVIKOVITCH, S. y HALEVY, J. Methods of estimating available plant nutrients in the soil and determination of fertilizer requirements. I. Irrigated hybrid corn. Israel Agricultural Research Station. Ktavim 9(3-4):209-218. 1959.

Edición en inglés.

725. HANWAY, J. J. Corn growth and composition in relation to soil fertility. I. Growth of different plant parts and relation between leaf weight and grain yield. *Agronomy Journal* 54(2):145-148. 1962.
726. _____ Corn growth and composition in relation to soil fertility. II. Uptake of N, P, and K and their distribution in different plant parts during the growing season. *Agronomy Journal* 54(3):217-222. 1962.
727. _____ Corn growth and composition in relation to soil fertility. III. Percentages of N, P and K in different plant parts in relation to stage of growth. *Agronomy Journal* 54(3):222-229. 1962.
728. HARPER, H. J. Effect of fertilizers and legume rotations on corn production in Central Oklahoma. *Oklahoma Agricultural Experiment Station. Processed Series P-416.* 1962. 9 p.
729. HINKLE, D. A. y GARRET, J. D. Corn fertilizer and spacing experiments. *Arkansas Agricultural Experiment Station. Bulletin 635.* 1961. 34 p.
730. IGUE, K. y GALLO, J. R. Deficiencias de zinc en plantaciones de maíz del Estado Brasileño de San Pablo. New York, Instituto IBEC de Investigaciones Técnicas. *Boletín nº 20.* 1960. 16 p.
731. JOHNSON, R. W. M. Fertilizer responses on maize under reserve conditions. *Rhodesia Agricultural Journal* 59(4): 222-223. 1962.
732. LAIRD, R. J. La fertilización del maíz. In *Reunión Centroamericana sobre Mejoramiento del Maíz*, 6a., Managua, Nicaragua, 1960. Proyecto Cooperativo Centroamericano. México, s.f. pp. 44-50.
733. LEWIS, W. W. et al. Placement of fertilizers on corn at planting. *Virginia Polytechnic Institute, Agricultural Extension Service. Leaflet nº 99*, 1960. 1 p.
734. LIZARRAGA H., H. Aplicación de fertilizantes en maíz en Nicaragua. In *Reunión Centroamericana sobre Mejoramiento del Maíz*, 5a., Panamá, 1959. Proyecto Cooperativo Centroamericano. México, Editorial Comaval, s.f. pp. 17-20.

735. LIZARRAGA, H. y KUILE, C. H. H.ter. Resumen del trabajo inicial con maíz en El Salvador y Honduras. Programa de fertilizantes, campaña mundial contra el hambre, FAO. In Reunión Centroamericana sobre Mejoramiento del Maíz, 9a., San Salvador, El Salvador, 1963. Proyecto Cooperativo Centroamericano. México, s.f. pp. 76-79.
736. LUTZ, J. A., Jr. et al. Fertilizer placement effects on stand, growth, maturity, and yield of corn. Virginia Agricultural Experiment Station. Bulletin nº 549. 1963. 40 p.
737. MACKAY, D. C. y EAVES, C. A. The influence of irrigation treatments on yields and on fertilizer utilization by sweet corn and snap beans. Canadian Journal of Plant Science 42(2):219-228. 1962.
738. McMASTER, G., WALKER, J. G. y OWENS, E. W. Irrigation and fertilization of field corn grown for silage in southeastern Idaho. Idaho Agricultural Experiment Station. Bulletin nº 392. 1962. 15 p.
739. MALCOLM, J. L. Ensayos cooperativos sobre fertilizantes para maíz en Centroamérica, en el año de 1961. In Reunión Centroamericana sobre Mejoramiento del Maíz, 8a., San José, Costa Rica, 1962. Proyecto Cooperativo Centroamericano. México, s.f. pp. 69-75.
740. Resumen general de los ensayos cooperativos sobre fertilizantes 1962. In Reunión Centroamericana sobre Mejoramiento del Maíz, 9a., San Salvador, El Salvador, 1963. Proyecto Cooperativo Centroamericano. México, s.f. pp. 67-75.
741. MARCHANT, W. H. A comparison of broadcast and row application of fertilizer to corn and peanuts. Georgia Agricultural Experiment Station. Mimeograph Series N.S. 195. 1964.
742. MIKKELSEN, D. S., FREITAS, L. M. DE y McCLUNG, A. C. Efeitos da calagem e adubação na produção de algodão, milho e soja em três solos de campo cerrado. Rural 44(516): 38. 1964.
743. MORRIS, H. D., FLEMING, A. A. y KOZELNICKY, G. M. The influence of fertilization and variety of corn yield in the Georgia Piedmont. Georgia Agricultural Experiment Station. Bulletin N.S. 55. 1958. 22 p.

744. ORTIZ M., O. Ensayos de fertilización de maíz en Guatemala. In Reunión Centroamericana sobre Mejoramiento del Maíz, 8a., San José, Costa Rica, 1962. Proyecto Cooperativo Centroamericano. México, s.f. pp. 53-55.
745. PELLETIER, P. Fertilización del maíz en la meseta Tarasca. Boletín de Guanos y Fertilizantes de México 4(19):4-10. 1959.
746. PEREGRINA, R. P. y MORENO DHOME, R. Síntomas de desnutrición en el maíz y prácticas de fertilización recomendables. Panagra (México) 2(27):35-48. 1963.
747. PUENTE F., F. et al. Prácticas de fertilización y población óptima para siembras de maíz en las regiones tropicales de Veracruz. México. Instituto Nacional de Investigaciones Agrícolas. Folleto Técnico nº 45. 1963. 53 p.
748. RODRIGUEZ, M. y BAIRD, G. B. Fertilización del maíz en el Centro Nacional de Investigaciones Agrícolas "Tulio Ospina". Agricultura Tropical (Colombia) 19(3):138-148. 1963.
749. RODRIGUEZ G., H. y LAIRD, J. Estudio preliminar de las posibilidades de fertilizar el maíz de temporal en México. Panagra (México) 1(23):32-39. 1963.
750. ROMERO F., J. Ensayos de fertilizantes realizados dentro del PCCMM en Honduras 1961. In Reunión Centroamericana sobre Mejoramiento del Maíz, 8a., San José, Costa Rica, 1962. Proyecto Cooperativo Centroamericano. México, s.f. pp. 59-61.
751. ROSALES G., A., ORTEGA T., E. y LAIRD, R. J. Respuesta del maíz de temporal a los fertilizantes en el sureste del Valle de México. Agricultura Técnica en México nº 12: 4-6. 1961-62.
752. LAS ROTACIONES y los fertilizantes elevan los rendimientos del maíz. Chacra (Argentina) 34(400):58. 1964.
753. SALAS, C. A. y BONILLA, N. Ensayos de fertilización del PCCMM en Costa Rica. In Reunión Centroamericana sobre Mejoramiento del Maíz, 8a., San José, Costa Rica, 1962. Proyecto Cooperativo Centroamericano. México, s.f. pp. 65-68.
754. _____ y BONILLA, N. Fertilización química del maíz en Costa Rica. In Reunión Centroamericana sobre Mejoramiento del Maíz, 9a., San Salvador, El Salvador, 1963. Proyecto Cooperativo Centroamericano. México, s.f. pp. 83-85.

755. SALAZAR, J. R. Informe de El Salvador sobre los trabajos con fertilizantes realizados en 1962. In Reunión Centroamericana sobre Mejoramiento del Maíz, 9a., San Salvador, El Salvador, 1963. Proyecto Cooperativo Centroamericano. México, s.f. pp. 80-82.
756. _____ Fertilización del maíz N P K, 1959-1961. El Salvador. Dirección General de Investigaciones Agronómicas. Boletín Técnico nº 35. 1963. 36 p.
757. SANCHEZ D., N. Fertilice su maíz y tendrá buena cosecha. Vida Rural en México 3(32):53-56. 1960.
758. _____ y PEREZ, M. Respuesta del maíz a fertilizantes y encalados en la Sierra de Michoacán. Agricultura Técnica en México nº 9:13-14. 1959-60.
759. SCARSETH, G. D. Basic principles for a corn fertilization program. Better Crops 45(5):30-32. 1961.
760. SMITH, C. B., CHUBEY, B. B. y CURWEN, D. Yield, vigor, maturity, quality, and leaf composition of sweet corn as influenced by differential fertilizer treatments. Pennsylvania Agricultural Experiment Station. Bulletin 710. 1964. 27 p.
761. SUAREZ DE CASTRO, F. y RODRIGUEZ, A. G. Efectos del nitrógeno, el fósforo y el potasio sobre la producción de maíz. Cenicafé (Colombia) 10(11):485-495. 1959.
762. THOMPSON, J. W. Effects of fertilizers and soil amendments on the mineral constituents of maize. Soil Science 94(5):323-330. 1962.
763. VERMA, G. y BHATNAGAR, P. S. Fertilizer-spacing variety studies on Zea mays L. in Uttar Pradesh. Indian Journal of Agricultural Science 32(1):1-8. 1962.
764. VITTUM, M. T. et al. Response of sweet corn to irrigation, fertility level, and spacing. New York (Geneva) Agricultural Experiment Station. Bulletin nº 786. 1959. 45 p.
765. ZELAYA, R. La fertilización del maíz. Nuestra Tierra Paz y Progreso (Nicaragua) nº 25:20-22. 1959.
766. _____ Patrones de respuesta del maíz a las aplicaciones de nitrógeno, fósforo, potasio y elementos menores en Nicaragua. In Reunión Centroamericana sobre Mejoramiento del Maíz, 6a., Managua, Nicaragua, 1960. Proyecto Cooperativo Centroamericano. México, s.f. pp. 53-55.

767. ZELAYA Q., R. Experimentos de fertilizantes químicos con maíz del PCCMM realizados en Nicaragua durante 1961. In Reunión Centroamericana sobre Mejoramiento del Maíz, 8a., San José, Costa Rica, 1962. Proyecto Cooperativo Centroamericano. México, s.f. pp. 61-65.
768. ZEMLYANUKHIN, A. A. The effect of mineral fertilizers on physiological-biochemical process in corn. Plant Physiology (Rusia) 7(1):10-14. 1960.

Edición en inglés.

Nitrógeno
(Nitrogen)

769. ALLRED, S. E. y OHLROGGE, A. J. Principles of nutrient uptake from fertilizer bands. VI. Germination and emergence of corn as affected by ammonia and ammonium phosphate. Agronomy Journal 56(3):309-313. 1964.
770. BARKER, A. V. y BRADFIELD, R. Effect of potassium and nitrogen on the free amino acid content of corn plants. Agronomy Journal 55(5):465-470. 1963.
771. BEKKER, W. R. Nitrogen fertilization of fodder maize. Stikstof (Holanda) nº 6:72-77. 1962.
772. BENNETT, W. F., PESEK, J. y HANWAY, J. J. Effect of nitrate and ammonium on growth of corn in nutrient solution sand culture. Agronomy Journal 56(3):342-345. 1964.
773. BRENSING, O. H. y HARPER, H. J. Nitrogen fertilization of corn with supplemental irrigation. Oklahoma Agricultural Experiment Station. Bulletin B-557. 1960. 16 p.
774. _____ y HARPER, H. J. Nitrogen fertilization of corn with supplemental irrigation. Oklahoma Agricultural Experiment Station. Bulletin B-557. 1960. 16 p.
775. BURMAN, R. D., PAINTER, L. I. y PATRIDGE, J. R. Irrigation and nitrogen fertilization of field corn in Northwest Wyoming. Wyoming Agricultural Experiment Station. Bulletin 389. 1962. 15 p.

776. CAIN, S. Efectos de niveles de nitrógeno y sistema de riego en el rendimiento de maíz en El Salvador. In Reunión Centroamericana sobre Mejoramiento del Maíz, 5a., Panamá, 1959. Proyecto Cooperativo Centroamericano. México, Editorial Comaval, s.f. pp. 21-24.
777. CONRAD, H. R. y HIBBS, J. W. Urea treatment affects utilization of corn silage. Ohio Farm and Home Research 46(1):13-14. 1961.
778. DOLL, E. C., MILLER, H. F. y LINK, L. A. Rotation and nitrogen experiments with corn and wheat. Kentucky Agricultural Experiment Station. Progress Report 122. 1963. 13 p.
779. ENGELHORN, A. J., PESEK, J. y SHRADER, W. D. Role of nitrogen, phosphorus and potassium fertilizers in continuous corn culture on nicollet and webster soils. Iowa Agricultural and Home Economics Experiment Station. Research Bulletin 522. 1964. 20 p.
780. EVANS, D. D. et al. Soil moisture, nitrogen and stand density effects on growth and yield of sweet corn. Oregon Agricultural Experiment Station. Technical Bulletin 53. 1960. 36 p.
781. FISCHER, H. H. The best nitrogen fertilizer for maize. Farming in South Africa 39(6):23-24, 31. 1963.
782. GODOY, C., Jr. y GRANER, E. A. Milho: Adubaçao mineral nitrogenada. II. Momento de aplicacão do calnitro. Revista de Agricultura (Brasil) 36(4):225-232. 1961.
783. HAGEMAN, R. H. How corn uses nitrogen. Illinois Research 4(3):8-9. 1952.
784. HARPER, H. J. y BRENSING, O. H. Effect of ammonium nitrate on corn production in Oklahoma 1948. Oklahoma Agricultural Experiment Station. Mimeographed Circular M-178. 1949. 6 p.
785. JONES, J. y HOFF, D. J. Rates and fall versus spring application of urea nitrogen for corn. Ohio Agricultural Experiment Station. Research Circular 106. 1963. 7 p.
786. JORDAN, H. V. et al. Ten years' results in a nitrogen fertilizer-plant population experiment with corn. Mississippi Agricultural Experiment Station. Bulletin nº 570. 1958. 11 p.

787. LONG, O. H. Nitrogen and plant population in corn production. Tennessee Agricultural Experiment Station. Bulletin nº 337. 1961. 37 p.
788. _____ Nitrogen and spacing experiments with corn. Tennessee Agricultural Experiment Station. Bulletin nº 232. 1953. 34 p.
789. MacGREGOR, J. M., TASKOVITCH, L. T. y MARTIN, W. P. Effect of nitrogen fertilizer and soil type on the amino acid content of corn grain. Agronomy Journal 53(4):211-214. 1961.
790. McCLURE, G. W., Jr. y HUNTER, A. S. Investigations of ammonium chloride as a nitrogen fertilizer for forage crops and corn. Agronomy Journal 54(5):443-447. 1962.
791. PAVLOV, A. N. The effect of nitrogen fertilizers on the active absorption of water by corn. Doklady (Rusia) 133(1-6):164-166. 1961.
Edición en inglés.
792. PETERSON, H. B. More nitrogen for home garden sweet corn. Farm and Home Science 21(1):4, 26. 1960.
793. SMITH, L. E., THOMAS, D. W. y IWERSMA, D. An economic analysis of water, nitrogen and seeding rate relationships in irrigated corn production. Indiana (Purdue) Agricultural Experiment Station. Research Bulletin nº 755. 1962. 24 p.
794. SOUBIES, L., GADET, R. y LENAIN, M. Una nueva técnica para la fertilización nitrogenada del maíz. Fertilité nº 10: 27-35. 1960.
795. STANBERRY, C. O. et al. Sweet corn production as affected by moisture and nitrogen variables. Agronomy Journal 55(2):159-161. 1963.
796. TEATER, R. W., MEDERSKI, H. J. y VOLK, G. W. Yield and mineral content of corn as affected by ammonium chloride fertilizer. Agronomy Journal 52(7):403-405. 1960.
797. VASQUEZ, R. Effects of irrigation at different growth stages, and of nitrogen levels on corn yield in Lajas Valley, P. R. Journal of Agriculture (Puerto Rico) 45(2):85-105. 1961.

798. WIGGANS, S. C. The effect of nitrogen fertilizer and plant stand on yield of sweet corn in Oklahoma; progress report, 1962. Oklahoma Agricultural Experiment Station. Processed Series P-438. 1963. 6 p.
799. ZAFFANELLA, M. J. R. Fertilización nitrogenada de maíz en la región de Pergamino; datos originales, campaña 1962-63. Con el complemento de atrazina como herbicida de preemergencia. IDIA (Argentina) nº 191:32-34. 1963.
800. ZELAYA Q., R. Efectos del nivel de nitrógeno y fechas de siembra sobre los rendimientos del maíz en Nicaragua. In Reunión Centroamericana sobre Mejoramiento del Maíz, 6a., Managua, Nicaragua, 1960. Proyecto Cooperativo Centroamericano. México, s.f. pp. 51-52.
801. Patrones de respuesta del maíz a las aplicaciones de nitrógeno, fósforo, potasio y elementos menores en Nicaragua. In Reunión Centroamericana sobre Mejoramiento del Maíz, 6a., Managua, Nicaragua, 1960. Proyecto Cooperativo Centroamericano. México, s.f. pp. 53-55.

Fosfato
(Phosphate)

802. BAKER, D. E. y WOODRUFF, C. M. Influence of volume of soil per plant upon growth and uptake of phosphorus by corn from soils treated with different amounts of phosphorus. Soil Science 94(6):409-412. 1962.
803. BENNETT, W. F., PESEK, J. y HANWAY, J. Effect of nitrogen on phosphorus absorption by corn. Agronomy Journal 54(5): 437-442. 1962.
804. DOLL, E. C., MILLER, H. F. y TODD, J. R. Effect of phosphorus fertilization and liming on yield and chemical composition of corn, wheat, and red clover. Kentucky Agricultural Experiment Station. Bulletin nº 682. 1963. 23 p.
805. ENGELHORN, A. J., PESEK, J. y SHRADER, W. D. Role of nitrogen, phosphorus and potassium fertilizers in continuous corn culture on nicollet and webster soils. Iowa Agricultural and Home Economics Experiment Station. Research Bulletin 522. 1964. 20 p.

806. ENGELSTAD, O. P. y DOLL, E. C. Corn yield response to applied phosphorus as affected by rainfall and temperature variables. *Agronomy Journal* 53(6):389-392. 1961.
807. FINDLAY, W. I. y FULTON, J. M. The nutrient composition of hybrid corn as influenced by fertilization. II. The phosphorus percentage. *Canadian Journal of Science* 44(2):217-222. 1964.
808. KNOLL, H. A., LATHWELL, D. J. y BRADY, N. C. Effect of soil temperature and phosphorus fertilization on the growth and phosphorus content of corn. *Agronomy Journal* 56(2): 145-147. 1964.
809. LANGIN, E. J. et al. Factors responsible for poor response of corn and grain sorghum to phosphorus fertilization. II. Lime and P placement effects on P-Zn relations. *Soil Science Society of America. Proceedings* 26(6): 574-578. 1962.
810. OLSON, R. A. et al. Factors responsible for poor response of corn and grain sorghum to phosphorus fertilization. I. Soil phosphorus level and climatic factors. *Soil Science Society of America. Proceedings* 26(6):571-574. 1962.
811. SHAPIRO, R. E. The effect of soil water movement vs. phosphate diffusion on growth and phosphorus content of corn and soybeans. *Soil Science Society of America. Proceedings* 24(3):161-164. 1960.
812. STIVERS, R. K. et al. The relation of subsoiling, deep lime and deep phosphate application to the yields of corn, peanut and alfalfa in Virginia. *Virginia Agricultural Experiment Station. Research Report* nº 1. 1956. 15 p.
813. VIEGAS, G. P., FREIRE, E. S. y VENTURINI, W. R. Adubaçao do milho. XV. Ensaios com diversos fosfatos (1a. serie). *Bragantia* 19(58):943-959. 1960.
814. _____, FREIRE, E. S. y VENTURINI, W. R. Adubaçao do milho. XVI. Ensaios com diversos fosfatos (2a. serie). *Bragantia* 19(60):997-1009. 1960.

Potasio
(Potash)

815. BARKER, A. V. y BRADFIELD, R. Effect of potassium and nitrogen on the free amino acid content of corn plants. Agronomy Journal 55(5):465-470. 1963.
816. ENGELHORN, A. J., PESEK, J. y SHRADER, W. D. Role of nitrogen, phosphorus and potassium fertilizers in continuous corn culture on nicollet and webster soils. Iowa Agricultural and Home Economics Experiment Station. Research Bulletin 522. 1964. 20 p.
817. MEDERSKI, H. J. Row & broadcast potassium at work on corn. Better Crops with Plant Food 42(1):6-10. 1962.

Elementos Secundarios y Menores
(Secondary and Minor Elements)

818. CHESNIN, L. Chelates and the trace element nutrition of corn. Journal of Agriculture and Food Chemistry 11(2): 118-122. 1963.
819. DIOS VIDAL, R. y BROYER, T. C. Efecto de niveles altos de magnesio en la absorción del aluminio y en el crecimiento del maíz en solución de cultivo. Anales de Edafología y Agrobiología 21(1):13-20. 1962.
820. DOLL, E. C., MILLER, H. F. y TODD, J. R. Effect of phosphorus fertilization and liming on yield and chemical composition of corn, wheat, and red clover. Kentucky Agricultural Experiment Station. Bulletin nº 682. 1963. 23 p.
821. FOX, R. L. Factors influencing the availability of sulfur fertilizers to alfalfa and corn. Soil Science Society of America. Proceedings 28(3):406-408. 1964.
822. FUEHRING, H. D. y SOOFI, G. S. Nutrition of corn on a calcareous soil. II. Effect of zinc on the yields of grain and stover in relation to other micro-nutrients. Soil Science Society of America. Proceedings 28(1):79-82. 1964.

823. GRUNES, D. L. et al. Zinc deficiency of corn and potatoes as related to soil and plant analyses. *Agronomy Journal* 53(2):68-71. 1961.
824. IGUE, K. y GALLO, R. Deficiencias de zinc en plantaciones de maíz del estado brasileño de San Pablo. Instituto IBEC de Investigaciones. *Boletín* nº 20. 1960. 16 p.
- Also in English with the title: Zinc deficiency of corn in Sao Paulo. IBEC. Research Institute. *Boletín* nº 20. 1960. 15 p.
825. LANGIN, E. J. et al. Factor responsible for poor response of corn and grain sorghum to phosphorus fertilization. II. Lime and P placement effects on P-Zn relations. *Soil Science Society of America. Proceedings* 26(6):574-578. 1962.
826. PUMPHREY, F. V., et al. Method and rate of applying zinc sulfate for corn on Zinc-Deficient soil in Western Nebraska. *Agronomy Journal* 55(3):235-238. 1963.
827. RESPONSE OF hybrid maize to zinc fertilization. *Current Science* 30(12):473-474. 1961.
828. STIVERS, R. K. et al. The relation of subsoiling, deep lime and deep phosphate application to the yields of corn, peanut and alfalfa in Virginia. *Virginia Agricultural Experiment Station. Research Report* nº 1. 1956. 15 p.
829. VENTER, H. A. VAN DE. Zinc deficiency causes yellowing in maize. *Farming in South Africa* 39(9):58. 1963.

Abonos y "Mulches"
(Manures and Mulches)

830. CALZADA BENZA, J. y CHAVEZ, A. Abonamiento del maíz en la Sierra. Perú. PCEA- Programa Cooperativo de Experimentación Agropecuaria. *Informativo* nº 72. 1960. 21 p.

También en: *Agronomía (Perú)* 27(2):181-199. 1960.

Boletín de la Compañía Administradora del Guano (Perú)
36(10):3-6. 1960.

831. PARKER, D. T. Influence of mulching on the manganese content of corn plant tissue. *Agronomy Journal* 54(4):303-305. 1962.
832. _____ y LARSON, W. E. Crop residue placement in soil and its effect upon growth of corn. *Agronomy Journal* 54(3): 263-267. 1962.
833. PUENTE BERUMEN, A. et al. Ensayo de maíz tropical con tres variantes: combate de hierbas, distribución de semillas, abonado. *Agricultura Técnica en México* nº 10:4-7. 1960.
834. RODRIGUEZ BELLO, A. Resultados obtenidos sobre abonamiento en maiz. *Ingeniería Agronómica (Venezuela)* 3:28-29. 1960.
835. TAYLOR, R. E. et al. Corn stover mulch for control of runoff and erosion on land planted to corn after corn. *Soil Science Society of America. Proceedings* 28(1):123-125. 1964.
836. VIEGAS, G. P., FREIRE, E. S. y FRAGA, C. G., Jr. Adubaçao do milho. XIV. Ensaios com mucuna intercalada e adubos minerais. *Bragantia* 19(57):909-941. 1960.

SEMILLAS
(SEEDS)

General
(General)

837. CURTIS, H. J. y SMITH, H. H. Corn seed affected heavy cosmic ray particles. *Science* 141(3576):158-159. 1963.
838. DAVIDE, J. G. Corn fertilization and seed quality. *Philippine Agriculturist* 44(9):433-438. 1961.
839. DOMINGUEZ, R. Informe sobre las actividades desarrolladas en relación con el proyecto de unificación de los sistemas de certificación de semillas en Centroamérica. In Reunión Centroamericana sobre Mejoramiento del Maíz, 8a., San José, Costa Rica, 1962. Proyecto Cooperativo Centroamericano. México, s.f. pp. 98-99.

Clasificación
(Grading)

840. McKEE, G. W. Hybrid seed corn; how precisely is it graded? *Crops and Soils* 15(1):13-14. 1962.
841. _____ Poorly graded seed corn produces uneven stands. *Science for the Farmer* 10(3):4. 1963.

Producción
(Production)

842. AIRY, J. M., TATUM, L. A. y SORENSEN, J. W. La producción de semilla de maíz y sorgo híbridos. I. *Agricultura de las Américas* 11(1):42-45, 51. 1962. (Artículo inconcluso)
843. AROSEMANA, L. C. Producción de semilla certificada en Panamá y su almacenaje. In *Reunión Centroamericana sobre Mejoramiento del Maíz*, 5a., Panamá, 1959. Proyecto Cooperativo Centroamericano. México, Editorial Comaval, s.f. pp. 49-50.
844. DOMINGUEZ, R. Breve historia de la producción de semilla certificada de maíz en El Salvador. In *Reunión Centroamericana sobre Mejoramiento del Maíz*, 8a., San José, Costa Rica. Proyecto Cooperativo Centroamericano. México, s.f. pp. 95-97.
845. ROY, N. N. y EVERETT, H. L. Production of single cross and double cross maize seeds at high and low levels of soil fertility and the evaluation of their performance. *Indian Journal of Genetics and Plant Breeding* 22(3): 208-223. 1962.
846. _____ y EVERETT, H. L. Seed production, fertility levels, and cold test germination in corn. *Crop Science* 3(3): 273-274. 1963.
847. SANDOVAL A., U. Producción y certificación de semillas en Nicaragua. In *Reunión Centroamericana sobre Mejoramiento del Maíz*, 8a., San José, Costa Rica, 1962. Proyecto Cooperativo Centroamericano. México, s.f. pp. 94-95.

848. VIERA, O. G. Producción de semillas en Honduras. In Reunión Centroamericana sobre Mejoramiento del Maíz, 8a., San José, Costa Rica, 1962. Proyecto Cooperativo Centroamericano. México, s.f. p. 98.

Pruebas y Selección
(Testing and Selection)

849. ENGELBRECHT, C. y WET, D. F. DE. Seed beds for maize on dry-land. Farming in South Africa 39(2):25-27. 1963.
850. FUNK, C. R. et al. Effect of seed source and seed age on field and laboratory performance of field corn. Crop Science 2(4):318-320. 1962.
851. HOPPE, P. E. Cold testing seed corn. Wisconsin Agricultural Experiment Station. Bulletin nº 507. 1955. 5 p.
852. OLIVEIRA, J. V. DE. Semente selecionada na cultura do milho. In Brasil, Rio Grande do Sul, Secretaria da Agricultura. Milho: origem, cultivo, colheitas, conservação, utilidade. Porto Alegre, 1959. pp. 23-26.

Tratamiento y Germinación
(Treatment and Germination)

853. ARCA, M. N. y CANEPA, A. Efecto de la salinidad causada por el cloruro de sodio y el nitrato de sodio en la germinación del algodonero, cebada y maíz. Anales Científicos de la Universidad Agraria (Perú) 1(1):64-79. 1963. (Reimpreso)
854. BARRIGA, R. Tratamiento de semilla de maíz con fungicidas y su almacenamiento en clima caliente húmedo. Agricultura Tropical (Colombia) 17(10):596-613. 1961.
855. CANDIA Z., D. y YOUNG, W. R. Repelentes contra pájaros durante la germinación del maíz en el trópico. Campo (Méjico) 27(843):26-28, 30. 1962.

856. DUMLAO, R. C. y PARKER, M. B. The influence of cold storage conditions on the viability of rice and corn seeds. Philippine Agriculturist 44(7):327-337. 1960.
857. NAUNDORF, G. y SERRANO, C. Contribución al tratamiento de semillas de maíz para aumentar y asegurar la cosecha. Acta Agronómica (Colombia) 1(2):87-92. 1951.
858. TAGLE C., V. Los pesticidas y la germinación de la semilla de maíz. In Reunión Latinoamericana de Fitotecnia, 4a., Santiago de Chile, nov. 24 - dic. 6, 1958. Actas. Santiago de Chile, Ministerio de Agricultura, 1961? p. 155.
859. YOUNG, W. R. y CANDIA ZEVALLOS, D. Essais de traitement chimique des graines pour repousser les oiseaux attaquant le maïs en cours de germination dans la partie tropicale du Mexique. Bulletin Phytosanitaire de la FAO 8(4): 39-44. 1960.

MAIZ DULCE
(SWEET CORN)

860. ALBAN, E. K. Weed control for sweet corn. Ohio Farm and Home Research 48(2):27, 29. 1963.
861. ANDERSON, L. D., NAKAKIHARA, H. y HALL, I. M. Toxicity of new insecticides to corn earworms on sweet corn. Journal Economic Entomology 56(1):40-42. 1963.
862. BAYLEY, R. M. et al. A regional approach to breeding and testing of sweet corn in the Northeast. Pennsylvania. Agricultural Experiment Station. Bulletin nº 704. 1963. 40 p.
863. BOSWELL, V. R. Commercial production of sweet corn. I. Climate requirements. World Farming 4(11):6-8, 30. 1962.
864. Commercial production of sweet corn. II. Water, soils and fertilizers. World Farming 4(12):12-14, 24. 1962.

865. BOSWELL, V. R. Producción comercial del maíz dulce. I. Consideraciones generales. *Agricultura de las Américas* 11(10):29-31, 47. (Cont.) 1962.
866. _____ Producción comercial del maíz dulce. II. Ecología. *Agricultura de las Américas* 11(12):44-46, 60. (Cont.) 1962.
867. _____ Producción comercial del maíz dulce. III. Fertilización y siembra. *Agricultura de las Américas* 12(3): 34-36, 38. 1963.
868. BRETT, CH. H. y BASTIDA, R. Resistance of sweet corn varieties to the fall armyworm, *Laphygma frugiperda*. *Journal of Economic Entomology* 56(2):162-167. 1963.
869. BULLARD, E. T. y WOODBURY, G. W. Fertilizers for sweet corn. Idaho Agricultural Experiment Station. Bulletin nº 223. 1954. 11 p.
870. CALMA, V. C. y MARTINEZ, R. P. The influence upon the yield of sweet corn of the number of plants in a hill. *Philippine Agriculturist* 34(3):169-173. 1951.
871. CAREW, J., JANES, R. L. y POTTER, H. S. Growing sweet corn in Michigan. Michigan State University. Cooperative Extension Service. Extension Folder F-265. 1962. 12 p.
872. CLEMENCE, R. V. Sweet corn growing ideas. *Organic Gardening and Farming* 11(4):29-33. 1964.
873. COCHRAN, D. E. Sweet corn gets sweeter. *Crops and Soils* 15(3):6-7. 1962.
874. CORY, E. N., DITMAN, L. P. y LLOYD, G. W. Studies on the European corn borer, corn earworm and fall armyworm on sweet corn. Maryland Agricultural Experiment Station. Bulletin A71. s.f. 20 p.
875. DAVIS, D. R. y GOULD, W. A. The effect of maturity, formulation, and storage time and temperature on the consistency of canned cream style sweet corn. Ohio Agricultural Experiment Station. Research Bulletin nº 891. 1961. 58 p.
876. DAVIS, G. B. y MUMFORD, D. C. Cost of producing sweet corn in the Willamette valley, Oregon. Oregon Agricultural Experiment Station. Bulletin nº 465. 1949. 23 p.

877. DITMAN, L. P., TODD, H. S. y HARRISON, F. P. Investigation on insects attacking the sweet corn ear. Maryland. Agricultural Experiment Station. Bulletin A-82. 1955. 16 p.
878. DOTY, D. M. et al. The effect of storage on the chemical composition of some inbred and hybrid strains of sweet corn. Indiana Agricultural Experiment Station. Bulletin nº 503. 1945. 31 p.
879. EVANS, D. D. et al. Soil moisture, nitrogen and stand density effects on growth and yield of sweet corn. Oregon Agricultural Experiment Station. Technical Bulletin 53. 1960. 36 p.
880. FORD, K. E. y ELROD, J. C. Sweet corn. Georgia Agricultural Experiment Stations. Mimeo Series N.S. 118. 1961. pp. 29-33.
881. GEISMAN, J. R. y GOULD, W. A. Physical and chemical factors affecting the efficiency of washing sweet corn. Ohio Agricultural Experiment Station. Research Bulletin nº 954. 1963. 19 p.
882. GOMEZ, A. A. et al. Green-corn performance test in sweet corn and in glutinous corn. Philippine Agriculturist 45(6):322-342. 1961.
883. _____, SANTOS, I. S. y ESCURO, P. B. Performance and eating quality tests in sweet corn. Philippine Agriculturist 46(8):581-601. 1963.
884. GUZMAN, V. L. Horticultural trials with sweet corn hybrids. Florida (Everglades) Agricultural Experiment Station. Mimeo Report 62-18. 1962. 10 p.
885. _____ Horticultural trials with sweet corn hybrids. Florida (Everglades) Agricultural Experiment Station. Mimeo Report 63-12. 1963. 7 p.
886. _____ Horticultural trials with sweet corn hybrids. Florida (Everglades) Agricultural Experiment Station. Mimeo Report 61-9. 1961. 14 p.
887. HARRISON, F. P. Infestation of sweet corn by the Dusky Sap Beetle, Carpophilus lugubris. Journal of Economic Entomology 55(6):922-925. 1962.

888. HARRISON, F. P. On the control of corn earworm, Heliothis zea, and dusky sap beetle, Carpophilus lugubris, in sweet corn. Journal of Economic Entomology 55(5):671-674. 1962.
889. _____ y DITMAN, L. P. Further studies on the timing of chemical treatments for the control of insects attacking the sweet corn ear. Maryland Agricultural Experiment Station. Bulletin A-107. 1960. 9 p.
890. _____, RODERICK, M. C. y DITMAN, L. P. Experiments on the control of fall armyworm in sweet corn. Journal of Economic Entomology 52(5):838-840. 1959.
891. HUDON, M. Field experiments with Bacillus thuringiensis and chemical insecticides for the control of the European corn borer, Ostrinia nubilalis, on sweet corn in southwestern Quebec. Journal of Economic Entomology 55(1): 115-117. 1962.
892. HUFFMAN, D. C. y CRAVENS, M. E. Trends in the Ohio sweet corn industry, 1918-1960. Ohio Agricultural Experiment Station. Research Bulletin 927. 1962. 28 p.
893. JENKINS, R. R. y SAYRE, C. B. Chemical studies on the open-pollinated, top-cross, and hybrid inbred strains of yellow sweet corn in relation to the quality of the canned product. Food Research 1(2):199-216. 1936.
894. JOHNSTONE, F. E., Jr., HOLMES, R. T. y YOUNG, H. W. Results of 1956 sweet corn trials at the College Experiment Station, Athens, Georgia. Georgia Agricultural Experiment Stations. Leaflet no 12. 1956. 4 p.
895. MACKAY, D. C. y EAVES, C. A. The influence of irrigation treatments on yields and on fertilizer utilization by sweet corn and snap beans. Canadian Journal of Plant Science 42(2):219-228. 1962.
896. McARDLE, F. J. et al. Sweet corn and pop corn. Indiana Agricultural Experiment Station. Progress of Agricultural Research. Annual Report 67th. 1954. pp. 10-11.
897. MEZZACAPPA, M. P. Milho doce alimenta melhor. Coopercotia (Brasil) 20(166):38-40. 1963.
898. MILLER, D. E. y BUNGER, W. C. Use of plastic soil covers in sweet corn production. Agronomy Journal 55(5):417-419. 1963.

899. MORGAN, G. W. y HANNA, W. J. Effect of a rye winter cover crop on soil fertility and on the succeeding sweet corn crop. *Agronomy Journal* 54(5):396-399. 1962.
900. NONNECKE, I. L. The precision of field experiment with vegetable crops as influenced by plot and block size and shape. I. Sweet corn. *Canadian Journal of Plant Science* 39(4):443-457. 1959.
901. PETERSON, H. B. More nitrogen for home garden sweet corn. *Farm and Home Science* 21(1):4, 26. 1960.
902. PRASHER, P. Lengthening the sweet corn season. *South Dakota Farm and Home Research* 12(2):29-30. 1961.
903. REED, J. P. The role of granulated insecticides for control of sweet corn pests in New Jersey. *Journal of Economic Entomology* 52(5):972-974. 1959.
904. RUF, R. H. y YORK, C. Sweet corn. *Nevada Agricultural Experiment Station. Progress Report 1960-61. Circular nº 32.* 1961. pp. 19-20.
905. SAMISH, Z. y LUDIN, A. Experiments in canning sweet corn in Israel. *Israel Agricultural Research Station, Ktavim* 9(3-4):291-294. 1959.
- Edición en inglés.
906. SHOWALTER, R. K. et al. Long distance marketing of fresh sweet corn. *Florida (Everglades) Agricultural Experiment Stations. Bulletin 638.* 1961. 47 p.
907. SMART, H. F. Types and survival of some microorganisms in frozen-pack peas, beans, and sweet corn grown in the East. *Food Research* 2(6):515-528. 1937.
908. SMITH, C. B., CHUBEY, B. B. y CURWEN, D. Yield, vigor maturity, quality, and leaf composition of sweet corn as influenced by differential fertilizer treatments. *Pennsylvania Agricultural Experiment Station. Bulletin 710.* 1964. 28 p.
909. STANBERRY, C. O. et al. Sweet corn production as affected by moisture and nitrogen variables. *Agronomy Journal* 55(2):159-161. 1963.
910. SWEET CORN. *Farmer Journal of the Jamaica Agricultural Society* 69(3-4):86-87. 1964.

911. SWEET CORN from the sunshine state. Rohm & Haas Reporter 18(6):10-14. 1960.
912. TERESHKOVICH, G., DEMPSEY, A. H. y BRANTLEY, B. B. Sweet corn varieties for middle Georgia. Georgia Agricultural Experiment Stations. Mimeograph Series N.S. 43. 1957. 6 p.
913. TRIPLEHORN, C. A., HENRY, J. E. y NEISWANDER, C. R. Aerially applied insecticides help control borer on early sweet corn. Ohio Farm and Home Research 47(2):20-21. 1962.
914. U.S. AGRICULTURAL RESEARCH SERVICE. CROPS RESEARCH DIVISION. Commercial growing of sweet corn. U.S. Department of Agriculture. Farmer's Bulletin 2042. 1961. 20 p.
915. VALLE, C. G. DEL. El maiz dulce en Cuba. Hacienda 56(2): 22-24. 1961.
916. VEIGA, A. DE A. Enlatamento do milho doce. Agronomico (Brasil) 14(11-12):12-16. 1962.
917. VILEGAS, G. P. Milho doce cubano. Agronomico (Brasil) . . 14(11-12):5. 1962.
918. VITTMU, M. T. et al. Response of sweet corn to irrigation, fertility level, and spacing. New York (Geneva) Agricultural Experiment Station. Bulletin nº 786. 1959. 45 p.
919. WATTS, A. V. y WILKINS, L. B. Sweet corn; vegetable production series. Virginia Agricultural Experiment Station. Circular nº 716. 1961. 4 p.

MAIZ REVENTADO
(POP CORN)

920. ASHMAN, R. B. 1963 hybrid popcorn performance trials. Indiana (Purdue) Agricultural Experiment Station. Research Progress Report 100. 1964. 14 p.
921. GREEN, V. E., Jr. y HARRIS, E.D., Jr. Popcorn research in the Everglades - 1961. Florida. Everglades Experiment Station. Mimeo Report 62-8. 1961. 19 p.

922. GREEN, V. E. y HARRIS, E. D. 1960 popcorn experiments. Florida (Everglades) Agricultural Experiment Station. Mimeo Report 61-12. 1961. 8 p.
923. McARDLE, F. J. et al. Sweet corn and popcorn. Indiana Agricultural Experiment Station. Progress of Agricultural Research. Annual Report 67th. 1965. pp. 10-11.
924. MARTIN, W. K., LOEFFEL, F. A. y RICHARDS, H. R. Results of the Kentucky hybrid popcorn performance trials 1962. Kentucky Agricultural Experiment Station. Progress Report 121. 1962. 8 p.
925. SHANE, J. F., LOEFFEL, F. A. y RICHARDS, H. R. Results of the Kentucky hybrid popcorn performance trials - 1960. Kentucky Agricultural Experiment Station. Progress Report 97. 1961. 11 p.

ENFERMEDADES Y PLAGAS
(DISEASES AND PEST)

General

926. BANEGAS, D. El control de las plagas del maíz en Honduras con dieldrin granulado al 5%. In Reunión Centroamericana sobre Mejoramiento del Maíz, 5a., Panamá, 1959. Proyecto Cooperativo Centroamericano. México, Editorial Comaval, s.f. pp. 42-44.
927. BERRY, P. A. Plagas del maíz en El Salvador. In Reunión Centroamericana sobre Mejoramiento del Maíz, 5a., Panamá, 1959. Proyecto Cooperativo Centroamericano. México, Editorial Comaval, s.f. pp. 44-46.
928. BROYLES, J. W. y GROGAN, C. O. Crazy top of corn in Mississippi. Plant Disease Reporter 46(1):8. 1962.
929. CORSEUIL, E. Pragas do milho. In Brasil, Rio Grande do Sul, Secretaria da Agricultura. Milho: origem, cultivo, colheitas, conservação, utilidade. Porto Alegre, 1959. pp. 61-68.

930. DENBURGH, R. R. VAN y BURBUTIS, P. P. The host-parasite relationship of the European corn borer, Ostrinia nubilalis, and the Protozoan, Perezia pyraustae, in Delaware. Journal of Economic Entomology 55(1):65-67. 1962.
931. FORSEE, G. y BOYD, T. Plagas del maiz. Hacienda 58(6): 35-37. 1963.
932. FUENTES FUENTES, S. e ISLA, M. DE L. DE LA. Una enfermedad desconocida del maiz, el "diente de caballo". Agricultura Técnica en México nº 12:11-12. 1961-62.
933. GASPERI, A. J. DE. Principais molestias do milho. In Brasil, Rio Grande do Sul, Secretaria da Agricultura. Milho: crigem, cultivo, colheitas, conservação, utilidade. Porto Alegre, 1959. pp. 55-60.
934. GREEN, V. E., Jr. et al. Field corn production insect and disease control. Esso Cultivator 3(3):19-22. 1963.
935. HANSON, B. F. y ELLETT, C. W. A new corn disease in Ohio. Plant Disease Reporter 47 (12):1107-1108. 1963.
936. JAUCH, C. Reseña de patología maicera. In Reunión Latinoamericana de Fitotecnia, 5a., Buenos Aires, 1961. Actas. Buenos Aires, Instituto Nacional de Tecnología Agropecuaria, 1963. vol. II. pp. 239-241.
937. LITTLEFIELD, L. J. Effects of hail damage on yield and stalkrot infection in corn. Plant Disease Reporter 48(3):169. 1964.
938. MORALES M., E. Algunas plagas comunes del maíz y del arroz. Agricultor Costarricense 21(4):828-832. 1963.
939. NAVAS, D. E. y ADAMES, J. E. Plagas que atacan el maíz en Panamá. In Reunión Centroamericana sobre Mejoramiento del Maíz, 5a., Panamá, 1959. Proyecto Cooperativo Centroamericano. México, Editorial Comaval, s.f. pp. 40-41.
940. ORTEGA, A. Plagas de origen animal. In Reunión Latinoamericana de Fitotecnia, 5a., Buenos Aires, 1961. Actas. Buenos Aires, Instituto Nacional de Tecnología Agropecuaria, 1963. vol. II. pp. 241-242.
941. PLAGAS DEL maiz. Agricultura en El Salvador 3(2):26-27. 1962.
942. PLAGAS DEL maíz. Granja (México) 7(75):30-31. 1962.

943. ROSE, D. J. W. Pests of maize and other cereal crops in Rhodesias. Rhodesia and Nyasaland. Federal Ministry of Agriculture. Bulletin 2163. s.f. 23 p.
944. WILSON, K. J. Underground pests of maize in Northern Rhodesia. Rhodesia Agricultural Journal 60(4):111-114. 1963.

Enfermedades
(Diseases)

General

945. ANCALMO, O. Enfermedades del maíz. Agricultura en El Salvador 1(2):21-22. 1960.
946. ENFERMEDADES DEL maíz. Agricultura en El Salvador 3(2): 28-29. 1962.
947. NUEVA ENFERMEDAD del maíz en El Salvador. Agricultura en El Salvador 1(5):16-19. 1960.
948. PONT, W. Maize diseases are common in North Queensland. World Farming 5(12):6-8, 10, 12, 26, 28-29. 1963.
949. REYES, G. M. Notes on diseases affecting maize in the Philippines. Philippine Journal of Agriculture 12(1): 61-69. 1941.
950. RODRIGUEZ V., A. E. Enfermedades del maíz. In Reunión Latinoamericana de Fitotecnia, 5a., Buenos Aires, 1961. Actas. Buenos Aires, Instituto Nacional de Tecnología Agropecuaria, 1965. vol. II. pp. 238-239.
951. SCBERON, H. Enfermedades del maíz. Chacra (Perú) nº 70: 43-45. 1961.
952. ULLSTRUP, A. J. Corn diseases in the United States and their control. U.S. Department of Agriculture. Agricultural Handbook nº 199. 1961. 29 p.
953. _____ Algunas enfermedades del maíz. In Reunión Centroamericana sobre Mejoramiento del Maíz, 8a., San José, Costa Rica, 1962. Proyecto Cooperativo Centroamericano. México, s.f. pp. 14-18.

Bactariales
(Bacterial)

954. ELLIOTT, E. S. Bacterial wilt of sweet corn. West Virginia Agricultural Experiment Station. Bulletin 363. 1963. p. 11.
955. HINGORANI, M. K., GRANT, U.J. y SINGH, N.J. Erwinia carotovora F. sp. Zeae, a destructive pathogen of maize in India. Indian Phytopathology 12(2):151-157. 1959.
956. SABET, K. A., SAMRA, A. S. y EL-SHAFFEY, H. A. On the systematic position of the caliform bacteria responsible for stalk rot of maize. Annals of Applied Biology 53(2): 267-274. 1964.
957. ULLSTRUP, A. J. Bacterial stripe of corn. Phytopathology 50(12):906-910. 1960.
958. VOLCANI, Z. A strain of Erwinia carotovora isolated from rotten maize plants. Israel Agricultural Research Station. Ktavim 8(3-4):217-219. 1958.

Edición en inglés.

Fungosas
(Fungus)

959. ANDREW, R. H., ROWE, P. R. y OELKE, E. A. Certain factors influencing the development of Northern corn leaf blight following seedling inoculation. Crop Science 4(1):4-7. 1964.
960. BAARD, S. W. Smut in maize. Farming in South Africa 37(9): 33-35. 1961.
961. BAILEY, A. G. y EIJNATTEN, C. VAN. Corn gray spot caused by Piricularia grisea. Phytopathology 51(3):197-198. 1961.
962. BHOWMIK, T. y PRASADA, R. Self-inhibition of uredospore germination in maize rust Puccinia sorghi schw. Indian Phytopathology 16(2):195-200. 1963.

963. BRUNI, O., SAVOIA, H. T. y GODOY, E. F. Podredumbre radicular y podredumbre de la base de los tallos del maíz en la Argentina. In Reunión Latinoamericana de Fitotecnia, 4a., Santiago de Chile, nov. 24 - dic. 6, 1958. Actas. Santiago de Chile, Ministerio de Agricultura, 1961? pp. 277-278.
964. _____, SAVOIA, H. J. y GODOY, E. F. Podredumbre de la raíz y podredumbre basal del tallo del maíz. In Reunión Latinoamericana de Fitotecnia, 5a., Buenos Aires, 1961. Actas. Buenos Aires, Instituto Nacional de Tecnología Agropecuaria, 1963. vol. II. p. 255.
965. CRAIG, J. y HOOKER, A. L. Diplodia root and stalk rot of dent corn. Phytopathology 51(6):382-385. 1961.
966. _____ y HOOKER, A. L. Relation of sugar trends and pith density to diplodia stalk rot in dent corn. Phytopathology 51(6):376-382. 1961.
967. CHENULU, V. V. y HORA, T. S. Studies on losses due to Helminthosporium blight of maize. Indian Phytopathology 15(3-4):235-237. 1963.
968. DALE, J. L. Corn anthracnose. Plant Disease Reporter 47(4): 245-249. 1963.
969. DICKSON, J. G., SYAMANANDA, R. y FLANGAS, A. L. The genetic approach to the physiology of parasitism of the corn rust pathogens. American Journal of Botany 46(8):614-620. 1959.
970. EIJNATTEN, C. L. M. VAN. On the assessment of blight on the leaves of maize, caused by Cochliobolus heterostrophus. Nigeria. Federal Department of Agricultural Research. Memorandum nº 27. 1961. 10 p.
971. _____ Yield reduction in maize due to a leaf blight caused by "Cochliobolus heterostrophus" at Ibadan. Nigeria. Federal Department of Agricultural Research. Memorandum nº 36. 1962. 5 p.
972. FINDLEY, W. R., Jr. y LEFFEL, R. C. Identification of corn chromosomes effecting resistance and susceptibility to Helminthosporium turcicum Pass. by marker gene stocks. Crop Science 2(4):337-340. 1962.
973. FUENTES, S. F. et al. Claviceps gigantea, a new pathogen of maize in México. Phytopathology 54(4):379-381. 1964.

974. GRIFFITH, W. L. Corn leaf blights strike. *Crops and Soils* 14(9):10-11. 1962.
975. HALE, M. G. y ROANE, C. W. The nutrition of Helminthosporium carbonum race 1 in relation to parasitism of corn. *Phytopathology* 51(4):235-240. 1961.
976. HALISKY, P. M. Prevalence and pathogenicity of Sphacelotheca reiliana causing head smut of field corn in California. *Phytopathology* 52(3):199-202. 1962.
977. _____ Head smut of sorghum, sudangrass, and corn, caused by Sphacelotheca reiliana (Kuhn) Clint. *Hilgardia* 34(8):287-304. 1963.
978. HOOKER, A. L. Greater resistance to northern corn leaf blight is on the way. *Illinois Research* 5(1):8-9. 1963.
979. _____ et al. Soil fertility and northern corn leaf blight infection. *Agronomy Journal* 55(4):411-412. 1963.
980. _____ y BRITTON, M. P. The effects of stalk rot on corn yields in Illinois. *Plant Disease Reporter* 46(1):9-13. 1962.
981. HOPPE, P. E. A new kernel rot disease of corn in Wisconsin. *Plant Disease Reporter* 45(2):99-101. 1961.
982. KOEHLER, B. Carnstalk rots in Illinois. *Illinois Agricultural Experiment Station. Bulletin* 658. 1960. 90 p.
983. KRUGER, W. y DU PLOOY, J. Control measures for stem and root rot in maize. *Farming in South Africa* 39(7):5-6. 1963.
984. _____ y DU PLOOY, J. Watch out for stem and root rot in maize. *Farming in South Africa* 39(6):44-46. 1963.
985. LALL, G., KAPOOR, J. N. y MUNJAL, R. L. A new leaf spot disease of maize in India. *Indian Phytopathology* 16(2): 240-241. 1963.
986. LOPEZ, L. C., COVARRUBIAS, R. y NIEDERHAUSER, J. S. El carbón de la espiga del maíz. *Agricultura Técnica en México* no 8:11-13. 1959.
987. LUTZ, CH. y THOMAS, W. I. Stalk rot costly to corn growers. *Science for the Farmer* 10(2):4. 1962.

988. MALCA, I., HUFFAKER, R. C. y ZSCHEILE, F. P., Jr.
Stimulation and depression of cell-free carboxylating
systems in relation to development of the Helminthosporium
leaf spot disease of maize. *Phytopathology* 54(6):
663-669. 1964.
989. MALOT, P. y SIMONE, J. Les helminthosporioses du maïs.
Académie d'Agriculture de France. Comptes Rendus n° 4:
201-205. 1961.
990. MATTEWS, D. L. Podredumbre del tallo causa encame y baja co-
secha de maíz. *Hacienda* 59(5):36, 38. 1964.
991. MIRANDA JAIMES, O. El carbón de la espiga del maíz en el
Bajío. *Agricultura Técnica en México* n° 12:9-11.
1961-62.
992. MOHAMED, H. A. Stalk rot of corn in the Egyptian region.
Plant Disease Reporter 46(1):18. 1962.
993. REYES, G. M. Occurrence of the stalk rot of corn in the
Philippines. *Philippine Journal of Agriculture* 14(2):
123-126. 1949.
994. SABET, K. A. et al. La pudrición del tallo y de la raíz del
maíz en Egipto (R.A.U) *Boletín Fitosanitario de la FAO*
9(7):121-125. 1961.
995. et al. Further studies on the etiology of stalk
and roots of maize in the United Arab Republic. *Plant
Protection Bulletin* 10(6):132-133. 1962.
Aparece también en francés en: *Bulletin Phytosanitaire
de la FAO* 10(6):132-133.
- También en español en: *Boletín Fitosanitario de la FAO*
10(6):132-133. 1962.
996. SCHIEBER, E. Estudios preliminares sobre la "roya de Guate-
mala" causada por Physopella zeae. In Reunión Centroame-
ricana sobre Mejoramiento del Maíz, 8a., San José, Costa
Rica, 1962. Proyecto Cooperativo Centroamericano. Mé-
xico, s.f. pp. 76-78.
997. Investigaciones con royas del maíz en Guatemala. In
Reunión Latinoamericana de Fitotecnia, 5a., Buenos Aires,
1961. Actas. Buenos Aires, Instituto Nacional de Tec-
nología Agropecuaria, 1963. vol. II. p. 248.
998. SRIVASTAVA, D. N. y RAO, V. R. Pythium stalk rot of corn in
India. *Current Science* 33(4):119-120. 1964.

999. STALK ROT in corn... Crops and Soils 14(1):14-16. 1961.
1000. ULLSTRUP, A. J. Sources of resistance to Northern corn leaf blight. Plant Disease Reporter 47(2):107-108. 1963.
1001. WHITNEY, N. J. y MORTIMORE, C. G. Root and stalk rot of field corn in Southwestern Ontario. II. Development of the disease and isolation of organisms. Canadian Journal of Plant Science 41(4):854-861. 1961.
1002. WILCOXSON, R. D. Stalk rot in relation to yield of corn. Phytopathology 52(5):416-418. 1962.
1003. WILLIAMS, L. E. y SCHMITTHENNER, A. F. Rotation affects corn stalk and root rot. Ohio Farm and Home Research 48(5):67-68. 1963.

Virosas
(Virus)

1004. ALAS, A. Pruebas de resistencia al complejo del achaparramiento en los maices Rocamex H-503 y sintético salvadoreño en El Salvador. In Reunión Centroamericana sobre Mejoramiento del Maíz, 9a., San Salvador, El Salvador, 1963. Proyecto Cooperativo Centroamericana. México, s.f. pp. 57-59.
1005. ANCALMO, O. Estudios realizados con achaparramiento del maíz en El Salvador. In Reunión Centroamericana sobre Mejoramiento del Maíz, 8a., San José, Costa Rica, 1962. Proyecto Cooperativo Centroamericano. México, s.f. pp. 79-83.
1006. _____ Labor desarrollada en El Salvador en relación con el vector del achaparramiento del maíz. In Reunión Centroamericana sobre Mejoramiento del Maíz, 8a., San José, Costa Rica, 1962. Proyecto Cooperativo Centroamericano. México, s.f. pp. 83-85.
1007. _____ y DAVIS, W. C. Achaparramiento (corn stunt). Plant Disease Reporter 45(4):281. 1961.

1008. EL SALVADOR. DIRECCION GENERAL DE INVESTIGACIONES AGRONOMICAS. COMITE DEL ACHAPARRAMIENTO. Achaparramiento del maíz. Agricultura en El Salvador 2(2-3):33-35. 1961.
1009. HARPAZ, I. Calligypona marginata, vector del virus del nanismo rugoso del maíz. FAO. Boletín Fitosanitario 9(8):144-147. 1961.
1010. HOOF, H. A. VAN. Twee virusziekten van mais in Suriname De Surinaamse Landbouw 8(1):20-23. 1960.
1011. MARQUEZ S., F., REYES C., P. y JOHNSON, E. C. El achaparramiento del maíz en Veracruz. Agricultura Técnica en México nº 11:11-13. 1960-61.
También en: Campo (México) 28(853):22-24, 26-27. 1963.
1012. SCHIBER, E. y CASTILLO, L. M. Achaparramiento del maíz en Guatemala. Investigaciones Agropecuarias (Guatemala) 1(3):175-180. 1960.

Insectos
(Insects)

General

1013. CALLEJAS G., R. y RAMOS S., G. El gusano cogollero, la tortuguilla y el gusano taladrador en el maíz. Boletín Agrícola (Colombia) nº 501:8524-8525. 1962.
1014. CORN, RICE, sorghum, and small-grain insects. In U.S. Department of Agriculture, Entomology Research Division. Insecticide recommendations of the Entomology Research Division for the control of insects affecting crops livestock, and households for 1964. Rev. Agriculture Handbook nº 120. 1964. pp. 17-24.
1015. DITMAN, L. P., TODD, H. S. y HARRISON, F. P. Investigation on insects attacking the sweet corn ear. Maryland Agricultural Experiment Station. Bulletin A-82. 1955. 16 p.
1016. ESTRADA R., F. A. Lista preliminar de insectos asociados al maíz en Nicaragua. Turrialba (Costa Rica) 10(2): 68-73. 1960.

1017. HARRISON, F. P. y DITMAN, L. P. Further studies on the timing of chemical treatments for the control of insects attacking the sweet corn ear. Maryland Agricultural Experiment Station. Bulletin A-107. 1960. 9 p.
1018. HERNANDEZ PAZ, M. Los insectos del maiz en Guatemala. In Reunión Centroamericana sobre Mejoramiento del Maíz, 8a., San José, Costa Rica, 1962. Proyecto Cooperativo Centroamericano. México, s.f. pp. 92-93.
1019. KOCKUM, S. y GRAHAM, W. M. Prevention of insect re-infestation of bagged maize. Tropical Agriculture 39(3): 231-245. 1962.
1020. OTANES, F. y KARGANILLA, L. T. Insect and other pests of corn. Philippine Journal of Agriculture 11(4):403-428. 1940.
1021. SALAS P., L. A. Cultivo comercial del maíz y sus enemigos; los insectos perjudiciales. Campo (Cuba) 12(2):41-44. 1960.
1022. SANTIZO RODAS, F. Control de insectos del maíz en Guatemala. In Reunión Centroamericana sobre Mejoramiento del Maíz, 5a., Panamá, 1959. Proyecto Cooperativo Centroamericano. México, Editorial Comaval, s.f. pp. 46-48.
1023. LOS 35 insectos enemigos del maíz. Suelo Tico (Costa Rica) 11(43):17-18. 1959.
1024. WALTON, R. R. y ARBUTHNOT, K. D. Soil insects on corn in Oklahoma. Oklahoma Agricultural Experiment Station. Processed Series P-443. 1963. 11 p.
1025. YOU CAN'T ignore the corn borers. The Rohm & Haas Reporter 8(2):1-3, 23-24. 1950.

Coleoptera

1026. BALL, H. y WEEKMAN, G. T. Insecticide resistance in the adult Western corn rootworm in Nebraska. Journal of Economic Entomology 55(4):439-441. 1962.

1027. BALL, H. J. y WEEKMAN, G. T. Differential resistance of corn rootworms to insecticides in Nebraska and adjoining States. *Journal of Economic Entomology* 56(5):553-555. 1963.
1028. BECCARI, F. Uno Scolitide nuovo per l'Italia su campioni di mais; nota previa. *Rivista di Agricoltura Subtropicale e Tropicale* 57(10/12):399-401. 1963.
- Pagiocerus frontalis, Fbr.
1029. BIGGER, J. H. Corn rootworm resistance to chlorinated hydrocarbon insecticides in Illinois. *Journal of Economic Entomology* 56(1):118-119. 1963.
1030. BOUSH, G. M., ALEXANDER, M. W. y POWELL, W. L. Field tests with new insecticides for control of the Southern corn rootworm attacking peanuts in Virginia. *Journal of Economic Entomology* 56(1):15-18. 1963.
1031. CANDIA Z., D. y BARNES, D. Infestación del maíz en el campo por Sitophilus oryzae L. *Agricultura Técnica en México* nº 9:9-10. 1959-1960.
- También en: *Campo (Méjico)* 26(828):88-92. 1961.
1032. CATARINITA DEL maíz (Diabrotica punctata Fab.). Granja (Méjico) 7(72):38-39. 1962.
1033. GOULD, G. E. Japanese beetle damage to soybeans and corn. *Journal of Economic Entomology* 56(6):776-781. 1963.
1034. GRIVANOV, K. P. Control of corn scarabs of the genus anisoplia (coleoptera, scarabaeidae) under conditions of intertilling as in the Povol'zhe. *Entomological Review (Rusia)* 41(2):155-161. 1962.
- Edición en inglés.
1035. HARRIS, E. D., Jr. Control of a corn stem weevil (Hyperodes humilis) and fall armyworm with DDT and Parathion in South Florida. *Journal of Economic Entomology* 55(1): 83-85. 1962.
1036. HARRISON, F. P. Infestation of sweet corn by the Dusky Sap Beetle, Carpophilus lugubris. *Journal of Economic Entomology* 55(6):922-925. 1962.
1037. HENDERSON, C. F., KINZER, H. G. y HATCHETT, J. H. Field insecticides screening test against the corn flea beetle. *Journal of Economic Entomology* 55(6):1008-1009. 1962.

1038. ROSE, D. J. W. A new surface beetle Herpiscius Somneri sol - pest of maize. Rhodesia Agricultural Journal 61(2):29. 1964.
1039. ROSELLE, R. E. Problems and progress in Western corn root-worm control. Agricultural Chemicals 18(11):28-29, 115. 1963.
1040. THE SOUTHERN corn rootworm how to control it. U.S. Department of Agriculture. Leaflet n° 391. 1961. 8 p.
1041. WELLS, A. L. y GUYER, G. Control of the northern corn root-worm in Michigan. Quarterly Bulletin. Michigan State University 46(4):518-526.

Diabrotica longicornis

Diptera

1042. LE BERRE, J. R. y MOREAU, J. P. Différences variétales de comportement dans la nature de quelques maïs hybrides vis-a-vis de l'Oscinie, Oscinella fruit L. Annales des Egiphyses 12(4):423-432. 1961.

Hemiptera

1043. BECKHAM, C. M., MORGAN, L. W. y ROBERTS, J. E. Insecticidal experiments for control of the Southern corn billbug. Georgia Agricultural Research 2(4):8-9. 1961.
1044. MORGAN, L. W. y BECKHAM, C. M. Investigations on control of the southern corn billbug. Georgia Agricultural Experiment Stations. Mimeograph Series N.S. 93. 1960. 9 p.

Homoptera

1045. ESTIOKO, B. R. Effectiveness of five granular insecticide formulations in the control of the corn leaf aphid (Rhopalosiphum maidis Fitch) a vector of sugarcane mosaic. Philippine Sugar Institute. Quarterly 7(2): 75-84. 1961.
1046. SINGH, S. R. y PAINTER, R. H. Effect of temperature and host plants of progeny production of four biotypes of corn leaf aphid, Rhopalosiphum maidis. Journal of Economic Entomology 57(3):348-350. 1964.

Lepidoptera

1047. ANDERSON, L. D., NAKAKIHARA, H. y HALL, I. M. Toxicity of new insecticides to corn earworms on sweet corn. Journal of Economic Entomology 56(1):40-42. 1963.
1048. ANGLADE, P. Essai de mise au point d'une méthode de mesure de la sensibilité des lignées de maïs aux chenilles de la génération estivale de la sésame (Sesamia nonagrioides Lef.). Annales des Epiphyties 12(4):413-422. 1961.
1049. BARLOW, C. A. Predicting the size of European corn borer infestation (Ostrinia nubilalis Hbn). Canadian Entomologist 95(12):1285-1292. 1963.
1050. BECK, S. D. The european corn borer Pyrausta nubilalis (Hubn.) and its principal host plant. VI. Host plant resistance to larval establishment. Journal of Insect Physiology 1(2):158-177. 1957.
1051. _____ y ALEXANDER, NANCY. Chemically and photoperiodically induced diapause development in the European corn borer, Ostrinia nubilalis. Biological Bulletin 126(2): 175-184. 1964.
1052. _____ y SMISSMAN, E. E. The european corn borer, Pyrausta nubilalis, and its principal host plant. IX. Biological activity of chemical analogs of corn resistance factor A (6-methoxybenzoxazolinone). Entomological Society of America. Annals 54(1):53-61. 1961

1053. BECTON, A. J., GEORGE, B. W. y BRINDLEY, T. A. Continuous rearing european corn borer larvae on artificial medium. Iowa State Journal of Science 37(2):163-172. 1962.
1054. BERTELS M., A. Sobre la correlación entre la humedad y la biología de lepidópteros, plaga del maíz. In Reunión Latinoamericana de Fitotecnia, 5a., Buenos Aires, 1961. Actas. Buenos Aires, Instituto Nacional de Tecnología Agropecuaria, 1963. vol. II. p. 190.
1055. BJEGOVIC, P. y LAZAREVIC, B. Period of eclosion and the reduction role of some species of the corn borer parasites Ostrinia (Pyrausta) Nubilis Hb. in the vicinity of Zemun. Journal from Scientific Agricultural Research (Yugoslavia) 16(51):39-52. 1963.
1056. BRETT, CH. H. y BASTIDA, R. Resistance of sweet corn varieties to the fall armyworm, Laphygma frugiperda. Journal of Economic Entomology 56(2):162-167. 1963.
1057. CISNEROS V., F. Control del "Cogollero" del maíz. Agronomía (Perú) 22(3):286-289. 1960.
1058. CLOUTIER, E. J. y BECK, S. D. Spermatogenesis and diapause in the European corn borer, Ostrinia nubilalis. Annals of the Entomological Society of America 56(3):253-255. 1963.
1059. COMBE, I. y CISNEROS, F. Comparativo de insecticidas para controlar los perforadores del maíz. Agronomía (Perú) 27(4):351-356. 1960.
1060. CORY, E. N., DITMAN, L. P. y LLOYD, G. W. Studies on the European corn borer, corn earworm and fall armyworm on sweet corn. Maryland Agricultural Experiment Station. Bulletin A71. s.f. 20 p.
1061. DENBURGH, R. S. VAN, BURBUTIS, P. P. y YORK, G. T. The re-introduction and recovery of Lydella stabulans grisescens, a parasite of the European corn borer in Delaware. Journal of Economic Entomology 55(1):11-14. 1962.
1062. DICKE, F. F., ATKINS, R. E. y PESHO, G. R. Resistance of sorghum varieties and hybrids to the European corn borer (Ostrinia nubilalis HBN.). Iowa State Journal of Science 37(3):247-257. 1963.

1063. DOUGLAS, W. A., HENDERSON, C. A. y LANGSTON, J. M. Biology of the pink scavenger caterpillar and its control in corn. *Journal of Economic Entomology* 55(5):651-655. 1962.
1064. ESTRADA R., F. A. El taladrador del tallo del maíz. Nicaragua. Ministerio de Agricultura y Ganadería. Boletín 1. 1958. 19 p.
1065. _____ El gusano de la mazorca del maíz. Nicaragua. Ministerio de Agricultura y Ganadería. Boletín 2. 1959. 18 p.
1066. FEHN, L. M. y MOTA, F. S. DA. Influencia da umidade do solo sobre o ataque de lagartas de Elasmopalpus lignosellus ao milho, em condicoes de campo. Brasil. Instituto Agronómico do Sul. Boletim Técnico nº 22. 1959. 9 p.
1067. GUENNELON, G. y AUDEMARD, H. La pyrale du mais, Ostrinia (Pyrausta) nubilalis HBN. (Lépidopteres Pyralidae) dans la basse vallée du Rhône: observations écologiques; incidences économiques. *Annales des Epiphyties (France)* 11(3):337-396. 1960.
1068. HAGEN, A. F. The biology and control of the western bean cutworm in dent corn in Nebraska. *Journal of Economic Entomology* 55(5):628-631. 1962.
1069. HARRISON, F. P. On the control of corn earworm, Heliothis zea, and dusky sap beetle, Carpophilus lugubris, in sweet corn. *Journal of Economic Entomology* 55(5): 671-674. 1962.
1070. _____, RODERICK, M. C. y DITMAN, L. P. Experiments on the control of fall armyworm in sweet corn. *Journal of Economic Entomology* 52(5):838-840. 1959.
1071. HEENOP, C. H. Controlling the maize stalk borer: a new approach. *Farming in South Africa* 39(6):6-8. 1963.
1072. HENDERSON, C. A. y BLANCHARD, R. A. Two methods of control tested as corn borer invades State. *Mississippi Farm Research* 25(3):1, 2, 6. 1962.
1073. HUDON, M. Field experiments with Bacillus thuringiensis and chemical insecticides for the control of the European corn borer, Ostrinia nubilalis, on sweet corn in southwestern Quebec. *Journal of Economic Entomology* 55(1):115-117. 1962.

1074. IRRADIATION A. sterilization weapon against the corn borer. Agricultural Research 12(3):6. 1963.
1075. JARVIS, J. L. et al. Evaluating the effect of European corn borer populations on corn yield. Iowa State Journal of Science 36(2):115-132. 1961.
1076. LAZAREVIC, B. y TRIFUNOVIC, V. The effect of sowing time on the strength of the corn borer's attack and on yields of various varieties and hybrids of corn. Journal for Scientific Agricultural Research (Yugoslavia) 15(47):131-145. 1962.
1077. LUCKMANN, W. H. Measurements of the encubation period of corn earworm eggs. Journal of Economic Entomology 56(1):60-62. 1963.
1078. MCLEOD, D. G. R. y BECK, S. D. The anatomy of the neuro-endocrine complex of the European corn borer, Ostrinia nubilalis and its relation to diapause. Annals of the Entomological Society of America 56(6):723-727. 1963.
1079. MONTEAGUDO PAZ, A. Antibiosis y preferencia como mecanismo de la resistencia al taladro del maiz. In Madrid. Instituto Nacional de Investigaciones Agronómicas. Conferencias, 1962-63. Madrid, 1964. pp. 143-154.
1080. NAVAS, D. E. y TORRES, M. Control de cogollero Laphygma frugiperda (S & A) mediante el uso de insecticidas granulados preparados en el laboratorio. In Reunión Centroamericana sobre Mejoramiento del Maíz, 8a., San José, Costa Rica, 1962. Proyecto Cooperativo Centroamericano. México, s.f. pp. 90-91.
1081. NEISWANDER, C. R. Stop corn borers; cultural control. Crops and Soils 12(8):7-8. 1960.
1082. An adventure in adaptation: The European corn borer, Ostrinia nubilalis (Hbn.). Ohio Agricultural Experiment Station. Research Bulletin 916. 1962. 22 p.
1083. NEUZIG, H. H. Wild host plants of the corn earworm and the tobacco budworm in Eastern North Carolina. Journal of Economic Entomology 56(2):135-139. 1963.
1084. OKLAHOMA AGRICULTURAL EXPERIMENT STATION. DEPARTMENT OF ENTOMOLOGY. European corn borer and Southwestern corn borer in Oklahoma. Oklahoma Agricultural Experiment Station. Mimeographed Circular nº M-207. 1951. 1 p.

1085. PETERS, D. C., BURDITT, A. K. y FAIRCHILD, M. L. The biology and control of the European corn borer in Missouri. Missouri Agricultural Experiment Station. Research Bulletin nº 757. 1961. 26 p.
1086. LA PLAGA del gusano cogollero. Nuestra Tierra Paz y Progreso (Nicaragua) 5(46):98-99. 1961.
1087. POPULATIONS OF European corn borer Ostrinia nubilalis (Hbn.) in field corn, Zea mays (L.). Missouri Agricultural Experiment Station. Research Bulletin 776. 1961. 95 p.
1088. REVELO P., M. A. Control microbiológico del cogollero del maíz. In Reunión Latinoamericana de Fitotecnia, 5a., Buenos Aires, 1961. Actas. Buenos Aires, Instituto Nacional de Tecnología Agropecuaria, 1963. vol. II, p. 196.
1089. RIVNAY, E. Present status of lepidopterous pests of maize and other gramineous crops in Israel. FAO Plant Protection Bulletin 11(1):1-3. 1963.
- También en francés con el título: Situation actuelle des lépidoptères ennemis du maïs et des autres graminées cultivées en Israël. Bulletin Phytosanitaire de la FAO 11(1):1-3. 1963.
- Aparece en español con el título: Situación actual de los lepidópteros enemigos del maíz y de otras gramíneas en Israel. Boletín Fitosanitario de la FAO 11(1):1-3. 1963.
1090. RUPPEL, R. F., BENAVIDES G., M. y SALDARRIAGA, A. La guerra al cogollero del maíz. Granja (México) 5(55):33-36. 1960.
1091. RUPPEL, R. T. et al. Control químico del cogollero del maíz. Agricultura Tropical (Colombia) 20(5):253-267. 1964.
1092. SIMON F., J. E. y ARELLANO, M. Control del barreno del maíz (Diatraea Saccharalis) con insecticidas orgánicos. Agronomía (Perú) 27(1):79-83. 1960.

También en: Vida Agrícola (Perú) 37(436):125, 127, 129, 131-132. 1960.

También en: Lima. Estación Experimental Agrícola de "La Molina". Informe Mensual 34(391):1-16. 1960.

1093. EL TALADRADOR del maíz. Nuestra Tierra, Paz y Progreso (Nicaragua) nº 20:27-32. 1959; nº 21:19-23. 1959.
1094. TRIPLEHORN, C. A., HENRY, J. E. y NEISWANDER, C. R. Aerially applied insecticides help control borer on early sweet corn. Ohio Farm and Home Research 47(2): 20-21. 1962.
1095. TURNER, N. Control of the European corn borer. Connecticut Agricultural Experiment Station. Circular 176. 1950. 4 p.
1096. U.S. AGRICULTURAL RESEARCH SERVICE. ENTOMOLOGY RESEARCH DIVISION. The European corn borer... how to control it. U.S. Department of Agriculture. Farmers' Bulletin nº 2190. 1962. 20 p.
1097. VAUGHAN R., M. Especies parasiticas del gusano cogollero del maíz, Laphygma frugiperda (J. E. Smith), encontrados en "La Calera" de agosto de 1957 a julio de 1958. In Reunión Centroamericana sobre Mejoramiento del Maíz, 8a., San José, Costa Rica, 1962. Proyecto Cooperativo Centroamericano. México, s.f. pp. 86-90.
1098. WALKER, P. T. The relation between infestation by the stalk borer, Busseola fusca, and yield of maize in East Africa. Annals of Applied Biology 48(4):780-786. 1960.
1099. WALL, H. C. y WHITCOMB, W. H. Progress in chemical control of the southwestern corn borer. Arkansas Farm Research 10(4):2. 1961.
1100. WALTON, R. R. The southwestern corn borer. Oklahoma Agricultural Experiment Station. Mimeograph Circular nº M-153. 1945. 4 p.
1101. _____ y BIEBERDORF, G. A. Seasonal history of the southwestern corn borer, Diatrea Grandiosella dyar, in Oklahoma; and experiments on methods of control. Oklahoma Agricultural Experiment Station. Technical Bulletin nº T-32. 1948. 23 p.
1102. _____ y BIEBERDORF, G. A. The southwestern corn borer and its control. Oklahoma Agricultural Experiment Station. Experiment Station Bulletin nº B-321. 1949. 23 p.
1103. WILBUR, D. A., BRYSON, H. R. y PAINTER, R. H. Southwestern corn borer in Kansas. Kansas Agricultural Experiment Station. Bulletin 317. 1943. 32 p.

1104. WRESSELL, H. B. Increase of the multivoltine strain of the European corn borer, Pyrausta nubilalis (HBN) (Lepidoptera: Pyralidae), in Southwestern Ontario. Annual Report of the Entomological Society of Ontario 83: 43-47. 1952.
1105. _____ The European corn borer, Pyrausta nubilalis (HBN) (Lepidoptera: Pyralidae), in Canada: a review. Annual Report of the Entomological Society of Ontario 84:45-48. 1953.
1106. _____ Rearing the European corn borer Pyrausta nubilalis (HBN) (Lepidoptera: Pyralidae) on a artificial diet. Annual Report of the Entomological Society of Ontario 86:10-13. 1955.
1107. _____ The history and development of the European corn borer, Ostrinia nubilalis (HBN) (Lepidoptera: Pyraustidae) as an economic pest in Ontario. Proceedings of the Entomological Society of Ontario 91:240-247. 1960.
1108. YU-SHIN, CH. Tachinids (diptera, larvaevoridae) parasitizing the European corn-borer in the USSR. Entomological Review (Rusia) 39(4):593-602. 1961.

Edición en inglés.

Thysanoptera

1109. INVESTIGACIONES SOBRE el ataque del Trip. frankliniella sp. en maíz. Granja (México) 6(66):20-24, 38-40. 1961.

Acarina
(Araña Roja - Red Spider)

1110. LA ARANA roja del maíz. Campo (México) 26(835):6-10, 12-14, 16-22, 24. 1961.

1111. BACON, O. G. et al. Experimental acaricides tested for control of spider mites on field corn on two San Joaquin Delta islands. California Agriculture 15(9): 10-11. 1961.
1112. _____, LYONS, T. y BASKETT, R. S. Effects of spider mite infestations on dent corn in California. Journal of Economic Entomology 55(6):823-825. 1962.

Nemátodos
(Nematodes)

1113. DICKERSON, O. J., DARLING, H. M. y GRIFFIN, G. D. Pathogenicity and population trends of *Pratylenchus penetrans* on potato and corn. Phytopathology 54(3):317-322. 1964.
1114. GRIFFIN, G. D. Association of nematodes with corn in Wisconsin. Plant Disease Reporter 48(6):458-459. 1964.

Insectos de Granos Almacenados
(Insects of Stored Grain)

1115. ASHMAN, F. Insect reinfestation problems in fumigated maize on the Kenya Coast. Bulletin of the Entomological Research 55(1):139-146. 1964.
1116. LE CONTE, J. y ASSOGBA BOSSOU, C. Le probleme de la conservation du maïs en épis dans le Sud Dahomey. Etude du développement de l'attaque par Sitophilus oryzae en champ et en magasin. Agronomie Tropicale 18(10):969-984. 1963.
1117. PEREIRA, H. F. Insetos que atacam o milho armazenado - Desinfectacao. In Brasil, Rio Grande do Sul, Secretaria da Agricultura. Milho: origem, cultivo, colheitas, conservacao, utilidade. Porto Alegre, 1959. pp. 81-95.

1118. QUINTANA R., R., WILBUR, D. A. y YOUNG, W. R. Insectos del grano almacenado que infestan al maíz en el campo. Agricultura Técnica en México nº 10:40-43. 1960.
1119. RAMIREZ GENEL, M. Infestación de campo por insectos de granos almacenados; observaciones en maíz de la mesa central y del trópico en 1959. Agricultura Técnica en México nº 10:32-35. 1960.
1120. SINGH, D. N. y McCAIN, F. S. Relationships of some nutritional properties of the corn kernel to weevil infestation. Crop Science 3(3):259-261. 1963.

VARIEDADES
(VARIETIES)

1121. BARRIENTOS, F. y PALACIOS DE LA ROSA, G. Maices mejorados para la Mesa Central. México, Secretaría de Agricultura y Ganadería, Oficina de Estudios Especiales. Circular nº 5. 1961. s.p.
1122. BEAR, R. P. Producción de maíz amiláceo. Hacienda 56(9): 24-25. 1961.
También en: AGA- Asociación General de Agricultores. Revista (Guatemala) 3(42):12-13. 1961.
1123. BRIEGER, F. G. Raças de milho do Brasil e países adjacentes. In Reunión Latinoamericana de Fitotecnia, 4a., Santiago de Chile, nov. 24 - dic. 6, 1958. Actas. Santiago de Chile, Ministerio de Agricultura, 1961? pp. 271-277.
1124. BROOKS, J. S. y CHESSMORE, R. A. Performance tests of corn varieties and hybrids, 1947. Oklahoma Agricultural Experiment Station. Bulletin nº B-317. 1947. 30 p.
1125. _____ y CHESSMORE, R. A. Performance tests of corn varieties and hybrids, 1946. Oklahoma Agricultural Experiment Station. Bulletin B-306. 1947. 39 p.
1126. _____ y PASS, H. Performance tests of corn varieties and hybrids 1949. Oklahoma Agricultural Experiment Station. Miscellaneous Publication MP-16. 1949. 39 p.

1127. BROOKS, J. S. y PASS, H. Performance tests of corn varieties and hybrids 1950. Oklahoma Agricultural Experiment Station. Miscellaneous Publication nº MP-18. 1950. 39 p.
1128. BRUNSON, A. E. et al. Research with crops. Dent corn. Indiana Agricultural Experiment Station. Progress of Agricultural Research. Annual Report 67th. 1954. pp. 5-6.
1129. CORDS, H. P. y GREGORY, E. J. Corn variety trials. Nevada. Agricultural Experiment Station. Progress Report 1960-61. Circular nº 32. 1961. pp. 7-8.
1130. COSCIA, A. A. Posibilidades económicas de distintos tipos de maíces producidos en la Argentina. Pergamino. Estación Experimental Agropecuaria. Informe Técnico nº 8. 1962. 68 p.
1131. COVARRUBIAS CELIS, R. El papel de las variedades sintéticas en los programas de mejoramiento de maíz. In Reunión Latinoamericana de Fitotecnia, 5a., Buenos Aires, 1961. Actas. Buenos Aires, Instituto Nacional de Tecnología Agropecuaria, 1963. vol. II, pp. 237-238.
1132. DORDEVIC, V. A contribution to the knowledge of the properties of the corn varieties Rumski Slatan Zuban and Zuti Osmak. Journal for Scientific Agricultural Research (Jugoslavia) 15(50):147-172. 1962.
- Edición en inglés.
1133. DOS NUEVOS híbridos de maíz mexicano. México Agrícola (México) 9(103):33. 1962.
1134. EIJNATTEN, C. L. M. VAN. Notes on a collection of 50 Central American maize varieties. Ibadan, Nigeria, West African Maize Research Unit, Moor Plantation. Memorandum nº 17. 1959. 11 p.
1135. Analysis and discussion of 4 variety trials grown at Ibadan, Nigeria, West African Maize Research Unit, Moor Plantation. Memorandum nº 18. 1960. 8 p.
1136. A study of the development of two varieties of maize at Ibadan, Nigeria. Journal of Agricultural Science 61(1):65-72. 1963.
1137. GREEN, V. E. y HARRIS, E. D. 1960 field corn variety tests. Florida, Everglades Experiment Station. Mimeo Report 61-13. 1961. 15 p.

1138. GROBMAN, A., PAULETTE, M. y SCHEUCH, F. Variedades de híbridos de maíz para la Costa de Perú. Perú. PCEA - Programa Cooperativo de Investigación Agropecuaria. Boletín nº 1. 1960. 10 p.
1139. IMPORTANTES VARIEDADES tropicales de maíz. Hacienda 1963: 20-22. Abril 1963.
1140. LEBEDEFF, G. A. y BROOKS, O. L. Performance test of corn hybrids and varieties 1943 - 1948. Georgia Agricultural Experiment Station Circular nº 158. 1949. 15 p.
1141. MAIZ; CONSIDERACIONES generales y variedades adaptadas a Nicaragua. Nuestra Tierra Paz y Progreso (Nicaragua) nº 20:22-26. 1959.
1142. MEDINA, J., CARNERO, M. y PALACIOS, G. H-412: maíz mejorado para la zona de Matamoros, Tamps. México. Instituto Nacional de Investigaciones Agrícolas. Circular Ciane nº 2. 1963. s.p.
1143. MERINO ARQUETA, J. Nuevos maíces mejorados para El Salvador. In Reunión Centroamericana sobre Mejoramiento del Maíz, 9a., San Salvador, El Salvador, 1963. Proyecto Cooperativo Centroamericano. México, s.f. p. 27..
1144. CBREGON, P. Ventajas de la nueva variedad de maíz Tunapuy sobre la variedad Sicarigua mejorado. Ingeniería Agro-nómica (Venezuela) nº 10:21-23. 1963.
1145. ORIHUELA HERRERA, M. Antiguo maíz incaico objeto de la tecnificación por su demanda en E. U. Agricultura de las Américas 12(11):42-44, 46, 48, 50. 1963.
1146. PARKER VELEZ, I. Desarrollo de variedades mejoradas: sintéticas. In Reunión Latinoamericana de Fitotecnia, 4a., Santiago de Chile, nov. 24 - dic. 6, 1958. Actas. Santiago de Chile, Ministerio de Agricultura, 1961? pp. 283-284.
1147. PASS, H. Performance tests of corn varieties and hybrids 1963. Oklahoma Agricultural Experiment Station. Miscellaneous Publication MP-72. 1964. 16 p.
1148. PATIÑO, V. M. El maíz chococito; notas sobre su cultivo en América ecuatorial. Revista Interamericana de Ciencias Sociales 1(3):359-388. 1962.

1149. RAMIREZ E., R. et al. Razas de maíz en Bolivia. Colombia, Ministerio de Agricultura, Oficina de Investigaciones Especiales, División de Investigaciones Agropecuarias. Boletín Técnico nº 9. 1961. 157 p.
- También en inglés con el título: Races of maize in Bolivia. U.S. National Academy of Sciences. National Research Council. Publication nº 747. 1960. 159 p.
1150. RUANOVA, A. Maíz de gigantes. Desde el tiempo de los Incas y en el Valle Sagrado de los mismos, ha sido cultivada una variedad de maíz perfecta, que produce el grano más grande del mundo. Surco (Méjico) 68(6):2-3. 1963.
1151. _____ Nuevos maíces, rendimientos más altos. Surco (Méjico) 69(1):2-3. 1964.
1152. SALAZAR, A. Características del maíz sintético Nicaragua # 2. Nuestra Tierra Paz y Progreso (Nicaragua) 6(53): 14-16. 1962.
1153. STACY, S. V. Corn varieties, hybrids and cultural practices. Georgia Agricultural Experiment Station. Circular nº 126. 1941. 13 p.
1154. TORREGROZA C., M. Variedades sintéticas del maíz. In Reunión Latinoamericana de Fitotecnia, 5a., Buenos Aires, 1961. Actas. Buenos Aires, Instituto Nacional de Tecnología Agropecuaria, 1963. vol. II, pp. 252-253.
1155. VEGA MACCHIAVELLO, J. El maíz amarillo en el Perú. Mensajero Agrícola (Perú) nº 162:19, 31. 1963.
1156. VIEGAS, G. P. Cultura de milho pipoca. Agronomico (Brasil) 15(1-2):7-8. 1963.
1157. WHITE CORN in a small garden. Organic Gardening and Farming 11(4):35. 1964.

RENDIMIENTOS
(YIELDS)

1158. ALTOS NIVELES de rendimiento de semillas mejoradas de maíz. México Agrícola (Méjico) 10(113):20. 1963.

1159. ASHMAN, R. B. 1963 hybrid popcorn performance trials. Indiana (Purdue) Agricultural Experiment Station. Research Progress Report 100. 1964. 14 p.
1160. BEATY, E. R. y GIDDENS, J. Effect of various methods of seedbed preparation and cultivation on yields of corn grown following rye. Agronomy Journal 54(5):431-432. 1962.
1161. BROOKS, J. S. y CHESSMORE, R. A. Performance tests of corn varieties and hybrids, 1946. Oklahoma Agricultural Experiment Station. Bulletin B-306. 1947. 39 p.
1162. _____ y CHESSMORE, R. A. Performance tests of corn varieties and hybrids, 1947. Oklahoma Agricultural Experiment Station. Bulletin nº B-317. 1947. 30 p.
1163. _____ y PASS, H. Performance tests of corn varieties and hybrids 1949. Oklahoma Agricultural Experiment Station. Miscellaneous Publication MP-16. 1949. 39 p.
1164. _____ y PASS, H. Performance tests of corn varieties and hybrids 1950. Oklahoma Agricultural Experiment Station. Miscellaneous Publication nº MP-18. 1950. 39 p.
1165. BUCKINGHAM, F. Producción del maíz: prácticas preliminares y equipo para mayor rendimiento. Agricultura de las Américas 10(2):50-52, 54. 1961.
También en: Boletín de la Compañía Administradora del Guano (Perú) 37(7):8-11. 1961.
1166. COLVILLE, W. L. y McGILL, D. P. Effect of rate and method of planting on several plant characters and yields of irrigated corn. Agronomy Journal 54(3):235-238. 1962.
1167. DOLL, E. C., MILLER, H. F. y TODD, J. R. Effect of phosphorus fertilization and liming on yield and chemical composition of corn, wheat, and red clover. Kentucky Agricultural Experiment Station. Bulletin nº 682. 1963. 23 p.
1168. ENGELSTAD, O. P. y DOLL, E. C. Corn yield response to applied phosphorus as affected by rainfall and temperature variables. Agronomy Journal 53(6):389-392. 1961.
1169. EWALT, R. L., DOLL, J. P. y DECKER, W. L. Correlation of drouth indices with corn yields. Missouri Agricultural Experiment Station. Research Bulletin 788. 1961. 23 p.

1170. FAYEMI, A. A. Effect of plant population and spacing on the yield of maize in the humid tropics. Empire Journal of Experimental Agriculture 31(124):371-375. 1963.
1171. GOLDSON, J. R. The effect of time of planting on maize yields. East African Agricultural and Forestry Journal 29(2):160-163. 1963.
1172. GOMEZ, J. A., SANCHEZ, C. y RODRIGUEZ, M. Influencia de algunas labores de cultivos en el rendimiento del maíz. Agricultura Tropical (Colombia) 17(7):385-396. 1961.
1173. GOODING, H. J. Yields of West Indian maize. Tropical Agriculture 28(111):257-264. 1960.
1174. GONZALES, T. T. Progress report on results of yield trials (wet season, 1957) of newly-developed corn hybrids at Lamao. Philippine Journal of Agriculture 23(1-4): 109-124. 1958.
1175. JOHNSON, E. et al. Cómo producir más y mejor maíz. Hacienda 55(11):38-40, 58, 60. 1960.
También en: AGA- Asociación General de Agricultores. Revista (Guatemala) 3(32):12-14. 1961.
1176. _____, YOUNG, W. y LAIRD, R. J. Cómo cosechar 4 toneladas de maíz por hectárea. México, Secretaría de Agricultura y Ganadería, Centro de Investigación Agrícola e Industria Animal para Zonas Tropicales. Circular Cotax-tla nº 4. 15 p.
1177. JONES, J. B., Jr. Effect of date of topping upon yields in Ohio. Crops Science 1(4):303. 1961.
1178. LAZAREVIC, B. y TRIFUNOVIC, V. The effect of sowing time on the strength of the corn borer's attack and on yields of various varieties and hybrids of corn. Journal for Scientific Agricultural Research (Yugoslavia) 15(47): 131-145. 1962.
1179. LEBEDEFF, G. A. y BROOKS, O. L. Performance test of corn hybrids and varieties 1943-1948. Georgia Agricultural Experiment Station Circular nº 158. 1949. 15 p.
1180. LONG, O. H. Nitrogen and plant population in corn production. Tennessee Agricultural Experiment Station. Bulletin nº 337. 1961. 37 p.

1181. LUTZ, J. A., Jr. et al. Fertilizer placement effects on stand, growth, maturity, and yield of corn. Virginia Agricultural Experiment Station. Bulletin n° 549. 1963. 40 p.
1182. MACKAY, D. C. y EAVES, C. A. The influence of irrigation treatments on yields and on fertilizer utilization by sweet corn and snap beans. Canadian Journal of Plant Science 42(2):219-228. 1962.
1183. MAS COSECHA de maíz de altura. Tierra (Costa Rica) 4(23): 12. 1962.
1184. MILLS, P. F. L. Irrigated maize experiment on a seven-year-old lucerne stand, unfertilized crop gives high yield. Rhodesia Agricultural Journal 59(6):307-308. 1962.
1185. MORRIS, H. D., FLEMING, A. A. y KOZELNICKY, G. M. The influence of fertilization and variety of corn yield in the Georgia Piedmont. Georgia Agricultural Experiment Station. Bulletin N.S. 55. 1958. 22 p.
1186. OHLROGGE, A. J. Corn yields with precision ease. Better Crops with Plant Food 47(5):6-31. 1963.
1187. SANDOVAL, A. y IBARRA, E. Efectos de la época de siembra en el rendimiento del maíz en la zona media. Investigaciones Agropecuarias (Guatemala) 2(4):16-25. 1961.
1188. VIEGAS, G. P. Alta produçao de milho obtida em Sao Paulo. Agronomico 12(7-8):35-36. 1960.
1189. Aumento de produçao de milho. Agronomico (Brasil) 13(1-2):11. 1961.
1190. WIGGANS, S. C. The effect of nitrogen fertilizer and plant stand on yield of sweet corn in Oklahoma; progress report, 1962. Oklahoma Agricultural Experiment Station. Processed Series P-438. 1963. 6 p.
1191. WILLIAMS, L. E. y SCHMITTHENNER, A. F. Effect of crop rotation on yields, stalk rot, and root rot of corn. Phytopathology 53(12):1412-1414. 1963.
1192. YAO, A. Y. M. y SHAW, R. H. Effect of plant population and planting pattern of corn on water use and yield. Agronomy Journal 56(2):147-152. 1964.

1193. ZELAYA Q., R. Efectos del nivel de nitrógeno y fechas de siembra sobre los rendimientos del maíz en Nicaragua. In Reunión Centroamericana sobre Mejoramiento del Maíz, 6a., Managua, Nicaragua, 1960. Proyecto Cooperativo Centroamericano. México, s.f. pp. 51-52.

TECNICA EXPERIMENTAL DE CAMPO
(FIELD PLOT TECHNIQUE)

1194. EXPERIMENTO FACTORIAL conducido con maíz en Hidalgo, Mich., para investigar cuatro fórmulas fertilizantes y tres densidades de siembra. Boletín de Guanos y Fertilizantes de México 2(14):4-7. 1958.
1195. GREEN, V. E., Jr. El análisis estadístico de los datos de rendimiento. In Reunión Centroamericana sobre Mejoramiento del Maíz, 9a., San Salvador, El Salvador, 1963. Proyecto Cooperativo Centroamericano. México, s.f. pp. 45-51.
1196. JONES, M. D. y BROOKS, J. S. Effectiveness of distance and border rows in preventing outcrossing in corn. Oklahoma Agricultural Experiment Station. Technical Bulletin nº T-38. 1950. 18 p.
1197. NONNECKE, I. L. The precision of field experiments with vegetable crops as influenced by plot and block size and shape. I. Sweet corn. Canadian Journal of Plant Science 39(4):443-457. 1959.
1198. TECNICAS PARA mejorar el maíz. Hacienda 57(8):22-23, 37. 1962.
1199. WARREN, J. A. Use of empirical equations to describe the effects of plant density on the yield of corn and the application of such equations to variety evaluation. Crop Science 3(3):197-201. 1963.

ALIMENTACION Y NUTRICION ANIMAL
(ANIMAL FEED AND NUTRITION)

General
(General)

1200. THE EFFECT of corn meal on rats receiving low protein diets. Nutrition Reviews 5(7):197-198. 1947.
1201. MAIZE AND kaffircorn in livestock rations. Farming in South Africa 36(12):34-38. 1961.
1202. MAIZE OFFAL products in livestock rations. Farming in South Africa 36(12):39-41. 1961.
1203. PERRY, T. W., BEENSON, W. M. y MOHLER, M. T. Two types of haylage with two levels of corn and two levels of supplement for beef calves. Indiana (Purdue) Agricultural Experiment Station. Research Progress Report 99. 1964. 6 p.
1204. O SABUGO de milho como alimento. Revista dos Criadores (Brasil) 18(9):36. 1948.
1205. SOFT CORN feeding & handling. South Dakota Agricultural Experiment Station. Bulletin 433. 1953. 44 p.

Ganado Vacuno de Engorde
(Beef Cattle)

1206. BEATY, E. R., HAYES, D. D. y WORLEY, E. E. Value of pelleted fescue, brown top millet and whole stalk corn as steer feed. Agronomy Journal 55(6):531-532. 1963.
1207. CARRERA M., C., RODRIGUEZ R., F. y SOLARES T., L. Engorde de novillos en corrales usando urea, melaza de caña y otole de maíz. Técnica Pecuaria en México nº 1:15-20. 1963.

1208. CASTILLO, L. S. The feeding value of corn-and-cob meal and ground snapped corn meal in fattening steers and Murrah heifers. Philippine Agriculturist 45(9):466-476. 1962.
1209. HARKER, K. W. y BREDON, R. M. The effect of elephant grass feeding and maize meal supplementation of indoor fed bullocks. Tropical Agriculture 40(4):307-312. 1963.
1210. KEITH, T. B., JOHNSON, R. F. y LEHRER, W. P., Jr. Two rations of concentrate to roughage, four protein levels, two corn silage levels, and two oil levels for steers. Idaho Agricultural Experiment Station. Research Bulletin nº 40. 1958. 12 p.
1211. KLOSTERMAN, E. W. et al. Feeding value of limestone treated corn silage for fattening cattle. Ohio Agricultural Experiment Station. Research Bulletin 934. 1963. 28 p.
1212. NEUMANN, A. L. Better beef at less cost can be produced by heavy feeding of corn silage. Illinois Research 5(1): 5-7. 1963.
1213. NEWLAND, H. W. et al. Center-cut corn silage; a complete energy feed for fattening cattle. Michigan Agricultural Experiment Station. Quarterly Bulletin 46(3):374-381. 1964.
1214. SOUTH AFRICA. DEPARTMENT OF AGRICULTURAL TECHNICAL SERVICES. Maize offal products in livestock rations. Farming in South Africa 36(12):39-41. 1961.
1215. TAYLOR, B. R. y BLIZZARD, W. L. Ground wheat vs. ground shelled corn for fattening beef calves. Oklahoma Agricultural Experiment Station. Mimeographed Circular nº 95. 1943. pp. 12-15.

Ganado Lechero
(Dairy Cattle)

1216. AUBEL S., E. Comparación de avena verde y maíz ensilado como alimento suplementario para vacas lecheras. Chile (Maipú) Estación Experimental Agronómica. Boletín Técnico nº 7. 1960. 20 p.

1217. COX, A. E. Corn growing on the dairy farm. Agriculture (London) 67(7):344-348. 1960.
1218. HAWKINS, G. E., PAAR, G. E. y LITTLE, J. A. Physiological responses of lactating dairy cattle to pelleted corn and oats. Journal of Dairy Science 46(10):1073-1080. 1963.
1219. HOGLUND, C. R. Can alfalfa compete with corn on productive dairy farms?. Journal of Soil and Water Conservation 18(5):200-204. 1963.
1220. JONES, I. R. y BRANDT, P. M. The comparative value of kale and corn silage for milk production. Oregon Agricultural Experiment Station. Bulletin nº 272. 1930. 34 p.
1221. LASSITER, C. A., BOYD, J. S. y BENNE, E. J. Storage of high moisture corn in upright silos and its feeding value for dairy cows. Michigan Agricultural Experiment Station. Quarterly Bulletin 43(1):58-66. 1960.
1222. LESCH, S. F. y PENZHORN, E. J. Pretreated yellow maize meal. Farming in South Africa 39(6):9-11. 1963.
1223. MARTZ, F. A., CAMPBELL, J. R. y MERILAN, C. P. Comparison of supplemented free choice corn silage rations with other forage rations for wintering dairy heifers. Missouri Agricultural Experiment Station. Research Bulletin 853. 1964. 8 p.

Aves de Corral
(Poultry)

1224. ASKEOSON, C. E. y BALLOUN, S. L. Amino acid supplementation of a corn-soybean meal chick ration. Poultry Science 43(2):333-341. 1964.
1225. BRYANT, R. L. y LOCKHART, W. C. Pelleted barley vs. corn for growing turkeys. North Dakota Farm Research. Bimonthly Bulletin 22(10):21-23. 1963.
1226. FISHER, H., WEISS, H. S. y GRIMINGER, P. Corn sterols and avian atherosclerosis. Proceedings of the Society for Experimental Biology and Medicine 113(2):415-418. 1963.

1227. HARMS, R. H. y GOFF, O. E. The feeding value of different grades of yellow corn for broilers. Tennessee Agricultural Experiment Station. Bulletin nº 269. 1957. 18 p.
1228. MARION, J. E. y EDWARDS, H. M., Jr. The response of fat deficient laying hens to corn oil supplementation. Poultry Science 41(6):1785-1792. 1962.
1229. NO SOLO de maíz viven las aves. Chacra (Argentina) 33(395): 82-83. 1963.
1230. PINO, J. A. El uso de maíz, sorgo y trigo en la alimentación de pollitos. Agricultura Técnica en México nº 8:4. 1959.
1231. SUNDE, M. L. y MADIEDO, G. Influencia del maíz, del millo y de un pigmento carotenal en el color de la yema del huevo. Agricultura Tropical (Colombia) 16(11):725-730. 1960.

Ovejas
(Sheep)

1232. BRIGGS, H. M. The comparative value of corn, oats and barley for fattening Western lambs. Oklahoma Agricultural Experiment Station. Mimeographed Circular nº 56. 1940. 4 p.
1233. _____ The comparative value of corn, oats and barley for fattening western lambs. Oklahoma Agricultural Experiment Station. Mimeographed Circular nº 82. 1942. 6 p.
1234. FORBES, R. M. y GARRIGUS, W. P. The digestibility and metabolizability by lambs of a standard ration of alfalfa and corn and one containing cottonseed hulls. Journal of Agricultural Research 78(11):483-488. 1949.

Cerdos
(Swine)

1235. CARRAZZONI, J. y DORSI, J. El maíz, la cebada, y el sorgo granífero suplementados con pasto verde en el engorde de cerdos. Revista de la Asociación Argentina de Criadores de Cerdos 42(495):11-19. 1963.
- También en: Revista de Investigaciones Ganaderas (Argentina) nº 16:47-57. 1963.
1236. DURAN C., A. Combinación de maíz amarillo y salvado de arroz para engorde de cerdos. Acta Agronómica (Colombia) 9(1-2):25-33. 1959.
1237. EUSEBIO, J. A. et al. A preliminary study on the effects of white corn in the ration for gestating sows and their vitamin A requirement. Philippine Agriculturist 44(9):439-452. 1961.
1238. JONES, J. R. y POND, W. G. Effect of the addition of lysine and virginiamycin to corn-soybean meal rations on performance of weanling pigs. Journal of Animal Science 22(4):1033-1037. 1963.
1239. MEJIA C., T. R. Valor comparativo entre la yuca y el maíz en la alimentación de cerdos. Medellín, Colombia Facultad Nacional de Agronomía. Revista 20(55):3-22. 1960.
- También en: Boletín de la Compañía Administradora del Guano (Perú) 37(6):9-21. 1961.
1240. NISHIKY, G. y DILLARD, E. U. Utilización de maíz y plátanos en raciones de engorde para cerdos. Perú. PCEA- Programa Cooperativo de Experimentación Agropecuaria. Boletín Trimestral 9(1):16-27. 1960.
1241. SMITH, W. H., PICKETT, R. A. y BEESON, W. M. Effect of age of corn and vitamin A supplementation on the performance of growing-finishing swine. Indiana (Purdue) Agricultural Experiment Station. Research Progress Report 40. 1963. 6 p.
1242. SQUIBB, R. L. et al. Efectos de la aureomicina y de las vitaminas sobre el crecimiento y constituyentes sanguíneos de cerdos alimentados con raciones de maíz y banano. Boletín de la Oficina Sanitaria Panamericana, Supl. nº 1:69-75. 1953.

Also in English under the title: Effect of aureomycin and vitamins on growth and blood constituents of pig fed corn and banana rations. Journal of Animal Science

1243. TAYLOR, M. et al. Effect of drying corn on its feed value for growing-finishing swine. Indiana (Purdue) Agricultural Experiment Station. Research Report 102. 1964. 3 p.
1244. THOMPSON, C. P. Preparation of kafir corn and wheat for swine feeding. Oklahoma Agricultural Experiment Station. Bulletin nº 165. 1927. 12 p.
1245. _____ y HILLIER, J. C. Broom corn seed as a substitute for corn in fattening swine. Oklahoma Agricultural Experiment Station. Circular nº 71. 1941. 3 h.

Forraje y Ensilaje
(Fodder and Silage)

1246. BROWN, B. A. Silage corn experiments. Connecticut (Storrs) Agricultural Experiment Station. Bulletin 372. 1962. 27 p.
1247. BUNTING, E. S. Maize as a silage crop in Southeast England. Journal of the Royal Agricultural Society of England 123:46-54. 1962.
1248. CONRAD, H. R. y HIBBS, J. W. Urea treatment affects utilization of corn silage. Ohio Farm and Home Research 46(1):13-14. 1961.
1249. CHAPMAN, H. L., Jr., HAINES, C. E. y GREEN, V. E., Jr. Feeding value of corn silage with and without zinc-bacitracin as a preservative. Florida. Everglades Station Mimeo 62-12. 1962. 4 p.
1250. _____, HAINES, C. E. y GREEN, V. E., Jr. Value of corn silage with zinc-bacitracin or zymo-pabst as a preservative. Florida. Everglades Station Mimeo 62-20. 1962. 4 p.
1251. DRAKE, M., ISHIZUKA, Y. y GOTCH, K. Corn grain and silage yields in Hokkaido, Japan. Agronomy Journal 54(1): 43-46. 1962.

1252. EDDOWES, M. Maize as a silage crop in the West Midlands. Journal of the Royal Society of England 123:55-62. 1962.
1253. EMBRY, L. B., LUTHER, R. M. y WHETZAL, F. W. Dual sorthum silage and corn silage. South Dakota Farm and Home Research 12(3):4-7. 1961.
1254. EPPERSON, G. R. Corn for silage. Virginia Polytechnic Institute, Extension Service, Circular 871. 1951. Folded leaflet.
1255. GRIFFIN, G. F. y HANNA, W. J. Fertilization of silage corn pays dividends. Plant Food Review 10(1):4-5. 1964.
1256. HEVIA P., L. Programa de maíz para ensilaje. Memoria Anual de Investigaciones, Temporada Agrícola 1959-1960, 1960-1961. Maipú (Chile). Estación Experimental Agronómica. Memoria Anual nº 4:61-65. 1962.
1257. HUFFMANN, C. F. y DUNCAN, C. W. Chemical composition, coefficients of digestibility, and total digestible nutrient content of corn silages. Michigan Agricultural Experiment Station. Quarterly Bulletin 43(2):261-269. 1960.
1258. JONES, I. R. y BRANDT, P. M. The comparative value of kale and corn silage for milk production. Oregon Agricultural Experiment Station. Bulletin nº 272. 1930. 34 p.
1259. KJELGAARD, W. L., HORNE, B. S. y WASHKO, J. B. Harvesting drilled corn for green chop or silage. Agricultural Engineering 44(10):546-547. 1963.
1260. KLOSTERMAN, E. W. et al. Feeding value of limestone treated corn silages for fattening cattle. Ohio Agricultural Experiment Station. Research Bulletin 934. 1963. 28 p.
1261. _____ et al. Value of vitamin A in corn silage studied. Ohio Farm and Home Research 48(6):94-95. 1963.
1262. LABROUSSE, G. y QUINIO, L. Journée internationale du mais fourrage. Agronomie Tropicale 15(6):672-680. 1960.
1263. LANCE, R. D. Evaluation of corn and sorghum silage on the basis of milk production and digestibility. Journal of Dairy Science 47(3):254-257. 1964.

1264. LIZARRAGA H., H. Ensayos de asociación para producción de material de ensilaje en Nicaragua. In Reunión Centroamericana sobre Mejoramiento del Maíz, 5a., Panamá, 1959. Proyecto Cooperativo Centroamericano. México, Editorial Comaval, s.f. pp. 15-16.
1265. McCULLOUGH, M. E., SISK, L. R. y SELL, O. E. Influence of corn distillers dried grains with solubles on the feeding value of wheat silage. Journal of Dairy Science 46(1):43-45. 1963.
1266. McMASTER, G., WALKER, J. G. y OWENS, E. W. Irrigation and fertilization of field corn grown for silage in southeastern Idaho. Idaho Agricultural Experiment Station. Bulletin nº 392. 1962. 15 p.
1267. MISHRA, M. N. et al. Investigations of high-population corn for forage and green manure. Agronomy Journal 55(5): 478-480. 1963.
1268. MORGAN, M. E. y PEREIRA, R. L. Volatile constituents of grass and corn silage. I. Steam distillates. Journal of Dairy Science 45(4):457-466. 1962.
1269. _____ y PEREIRA, R. L. Volatile constituents of grass and corn silage. II. Gas-entrained aroma. Journal of Dairy Science 45(4):467-471. 1962.
1270. MORTIMER, R. G. Feeding maize silage. Agriculture (London) 67(7):352-356. 1960.
1271. _____ Mechanized feeding of maize silage. Agriculture (London) 68(9):480-484. 1961.
1272. NEUMANN, A. L. Better beef at less cost can be produced by heavy feeding of corn silage. Illinois Research 5(1): 5-7. 1963.
1273. OLIVER, J. y TOPPS, J. H. Chemical quality and ensilage losses of maize silage made in Southern Rhodesia. Rhodesian Journal of Agricultural Research 2(1):17-21. 1964.
1274. SCHMUTZ, W. G. et al. Chemistry and nutritive value of ensiled high moisture ground ear corn. Quarterly Bulletin. Michigan State University 46(4):576-588. 1964.
1275. VIEGAS, G. P. Informações sobre expurgo do milho. Agronômico (Brasil) 15(3-4):8-9. 1963.

1276. WITHYCOMBE, J. y KNISELY, A. L. Digestibility of vetch hay and corn silage. Oregon Agricultural Experiment Station. Bulletin no 85. 1905. 13 p.

ALIMENTACION HUMANA Y ESTUDIOS NUTRICIONALES
(HUMAN FOOD AND NUTRITIONAL STUDIES)

1277. AGUIRRE, E., ROBLES, C. E. y SCRIMSHAW, N. S. The nutritive value of Central American corns. II. Lysine and methionine content of twenty three varieties in Guatemala. Food Research 18(3):268-272. 1953.
1278. BRESSANI, R. et al. Nutritive value of Central American corns. IV. The carotene content of thirty-two selections of Guatemalan corn. Food Research 18(6):618-624. 1953.
1279. ————— El maíz como alimento. Agricultura en El Salvador 1(1):9-12. 1960.
1280. —————, ARROYAVE, G. y SCRIMSHAW, N. S. The nutritive value of Central American corns. I. Nitrogen, ether extract, crude fiber, and minerals of twenty-four varieties in Guatemala. Food Research 18(3):261-267. 1953.
1281. —————, CASTILLO, S. V. y GUZMAN, M. A. The nutritional evaluation of processed whole corn flours. Journal of Agricultural and Food Chemistry 10:308-312. 1962.
1282. ————— y MARENCO, E. The enrichment of lime-treated corn flour with proteins, lysine and tryptophan, and vitamins. Journal of Agricultural and Food Chemistry 11(5):517-522. 1963.
1283. COMPARATIVE EVALUATION of corn masa and steam-processed whole corn flours. Nutrition Reviews 21(2):52-54. 1963.
1284. DAVEY, P. M. The acceptability and fitness of maize for human consumption. Tropical Science 3(4):163-173. 1961.

1285. DAVIS, D. R. y GOULD, W. A. The effect of maturity, formula^{tion}, and storage time and temperature on the consistency of canned cream style sweet corn. Ohio, Agricultural Experiment Station. Research Bulletin nº 891. 1961. 58 p.
1286. THE EFFECT of corn oil on fecal sitosterol and cholesterol in man. (Review). Nutrition Review 22(2):35-38. 1964.
1287. HINDMAN, M. S., MARBUT, M. J. y MITCHEL, J. H., Jr. Corn meal mixes preparation and use in brads, cakes, and other products. South Carolina Agricultural Experiment Station. Bulletin nº 493. 1961. 20 p.
1288. KANTHA, J. et al. The supplementary value of certain processed protein foods based on blends of groundnut, soya-bean, sesame, chickpea (*Cicer arietinum*) flours and skim-milk powder to a maize-tapioca diet. British Journal of Nutrition 16(1):49-57. 1962.
1289. MICHAEL, V. M. y TANNER, F. W. Microbiology of merchantable cream-style canned corn. Food Research 1(1):99-112. 1936.
1290. PACE, J. K. y WHITACRE, J. Factors affecting retention of B vitamins in corn bread made with enriched meal. I. The relation of pH to the retention of thiamine, riboflavin, and niacin in corn bread. Food Research 18(3): 231-238. 1953.
1291. _____ y WHITACRE, J. Factors affecting retention of B vitamins in corn bread made with enriched meal. II. Relation of crust and crumb and of baking utensil to retention of thiamine in corn bread. Food Research 18(3):239-244. 1953.
1292. _____ y WHITACRE, J. Factors affecting retention of B vitamins in corn bread made with enriched meal. III. Retention of thiamine in corn muffins made with commercial mixes and in corn bread made with self-rising meals. Food Research 18(3):245-249. 1953.
1293. SQUIBB, R. L. Nutritive value of Central American corns. V. Carotene content and vitamin A activity of three Guatemalan yellow corn. Food Research 22(3):303-307. 1957.
1294. TAGLE, M. A., BALLESTER, D. y DONOSO, G. Efecto antipelogroideo del "mote" de maíz de trigo. Archivos Venezolanos de Nutrición 13(1):93-106. 1963.

ALMACENAJE Y SECADO DEL GRANO
(STORAGE AND DRYING OF GRAIN)

1295. ALLEN, J. R. Application of grain drying theory to the drying of maize and rice. *Journal of Agricultural Engineering Research* 5(4):363-386. 1960.
1296. AROSEMENA P., A. Almacenaje de semillas de maíz en Panamá. In *Reunión Centroamericana sobre Mejoramiento del Maíz*, 5a., Panamá, 1959. Proyecto Cooperativo Centroamericano. México, Editorial Comaval, s.f. pp. 51-52.
1297. BARNES, D. y RAMIREZ GENEL, M. Algunos conceptos sobre el almacenamiento de semilla de maíz. In *Reunión Centroamericana sobre Mejoramiento del Maíz*, 5a., Panamá, 1959. Proyecto Cooperativo Centroamericano. México, Editorial Comaval, s.f. pp. 53-55.
1298. _____, SMITH, D. L. y CANDIA Z., D. Almacenaje de maíz en el trópico con y sin control de humedad. *Agricultura Técnica en México* nº 7:15, 43-45. 1958-59.
1299. BARRIGA O., R. Tratamiento de semilla de maíz con fungicidas y su almacenamiento en clima caliente húmedo. *Agricultura Tropical (Colombia)* 17(10):596-613. 1961.
1300. BERTELS M., A. Conservação do milho armazenado. *Boletim Técnico do Instituto Agronômico do Sul (Brasil)* nº 23. 1959. 14 p.
1301. CASTILLO, L. M. Datos sobre almacenamiento de semilla en Guatemala. In *Reunión Centroamericana sobre Mejoramiento del Maíz*, 5a., Panamá, 1959. Proyecto Cooperativo Centroamericano. México, Editorial Comaval, s.f. pp. 52-53.
1302. COSECHA Y acondicionamiento del maíz. *Chacra (Perú)* 15(70): 30. 1961.
1303. DAVIES, J. C. Storage of maize in a prefabricated aluminium silo in tropical conditions. *East African Agricultural Journal* 25(4):225-228. 1960.
1304. DAVIS, V. W. What about grain storage?. I. Don't harvest grain problems. *Crops and Soils* 16(9):15-16. 1964.
1305. DELONG, H. H. Corn drying. *South Dakota Agricultura Experiment Station Circular* nº 152. s.f. 24 p.

1306. DICKERSON, W. H. Drying hybrid seed corn. West Virginia Agricultural Experiment Station. Bulletin 363. 1954. pp. 7-8.
1307. DOTY, D. M. et al. The effect of storage on the chemical composition of some inbred and hybrid strains of sweet corn. Indiana Agricultural Experiment Station. Bulletin nº 503. 1945. 31 p.
1308. HOELZ, J. J. Colheitas, secagem, beneficio, e conservacao do milho. In Brasil, Rio Grande do Sul, Secretaria da Agricultura. Milho: origem, cultivo, colheitas, conservacao, utilidade. Porto Alegre, 1959. pp. 43-53.
1309. KJELGAARD, W. L. y OLVER, E. F. Bin and wagon drying of shelled corn. Pennsylvania Agricultural Experiment Station. Bulletin 699. 1962. 23 p.
1310. LANGHAM, M. R. y MUTTI, R. J. Relation between moisture content of corn stored at harvest and subsequent damage. Illinois Agricultural Economics 1(1):25-31. 1961.
1311. LASSITER, C. A., BOYD, J. S. y BENNE, E. J. Storage of high moisture corn in upright silos and its feeding value for dairy cows. Michigan Agricultural Experiment Station. Quarterly Bulletin 43(1):58-66. 1960.
1312. LE CONTE, J. y ASSOGBA BOSSOU, C. Le probleme de la conservation du maïs en épis dans le Sud Dahomey. Etude du développement de l'attaque par Sitophilus oryzae en champ et en magasin. Agronomie Tropicale 18(10): 969-984. 1963.
1313. McCURDY, J. A. y BUELOW, F. H. Flow characteristics of shelled corn through chutes. Michigan Agricultural Experiment Station. Quarterly Bulletin 46(2):175-185. 1963.
1314. NORTON, R. A. Bin cool your artificially dried corn? Iowa Farm Science 18(4):3-4. 1963.
1315. POSE, L. R. Almacenamiento del maíz por el sistema Dillon. AGA- Asociación General de Agricultores. Revista (Guatemala) nº 59:12-13. 1963.
1316. RAMIREZ G., M. Trojes rústicas para almacenamiento de maíz con totomoxtle en la zona tropical de Veracruz. Chapin- go (Méjico) 2(5):1-25. 1962.

1317. RUPPEL, R. T. et al. Efectividad de mezclas de acrilonitrilo con fumigantes estandar en maíz almacenado. Agricultura Tropical (Colombia) 19(6):338-343. 1963.
- English summary.
1318. U.S. DEPARTMENT OF AGRICULTURE, AGRICULTURAL ENGINEERING RESEARCH DIVISION, AGRICULTURAL RESEARCH SERVICE. Drying ear corn by mechanical ventilation. Washington, D. C., 1963. 19 p. (Miscellaneous Publication nº 919)
1319. WILKOJC, A. y CIENSKA, K. Observations on water content variations in maize ears in the process of drying. Warszawa, Centralny Instytut Informacji Naukowo-Technicznej i Ekonomicznej, 1963. 33 p. (OTS 61-31291)
- Translated reprint from Polish.
1320. YOUNG, W. R. et al. Almacenamiento de maiz en el trópico bajo grados diferentes de humedad. Agricultura Técnica en México nº 12:13-16. 1961-62.

USOS Y SUB-PRODUCTOS
(USES AND BY-PRODUCTS)

1321. ALBRECHT, J. J., NELSON, A. I. y STEINBERG, M. P. Characteristics of corn starch and starch derivatives as affected by freezing, storage and thawing. I. Simple systems. Food Technology 14(1):57-60, 61-63. 1960.
1322. _____, NELSON, A. I. y STEINBERG, M. P. Characteristics of corn starch and starch derivatives as affected by freezing, storage and thawing. II. Food Technology 14(1):64-68. 1960.
1323. CORN PRODUCTS gives new look to corn gluten feed. Pointers for Profits in the Feed Industry F-7(1):2. 1964.
1324. CHADHA, Y. R. Sources of starch in Commonwealth territories. IV. Maize. Tropical Science 4(1):13-37. 1962.

1325. DESROSIER, N. W. y ESSELEN, W. B., Jr. Heat penetration and processing studies on home-canned corn, hominy, pork and beans and potatoes. Massachusetts Agricultural Experiment Station. Bulletin nº 456. 1950. 23 p.
1326. EIJNATTEN, C. L. M. VAN y OKPARANTA, N. N. An enquiry into the use of grain mills for processing maize and into preferences for various maize types with millers and their customers. Nigeria. Federal Department of Agricultural Research. Memorandum nº 39. 1962. 8 p.
1327. INGRAM, L. Utilización industrial del maíz. Guatemala. Instituto Centroamericano de Investigación y Tecnología Industrial. Noticias del ICAITI nº 5:1-2. 1962.
1328. LATHROP, E. C. y CLARK, T. F. Vitoria do sabugo. In Brasil, Rio Grande do Sul, Secretaria da Agricultura. Milho: origem, cultivo, colheitas, conservacao, utilidade. Porto Alegre, 1959. pp. 69-71.
1329. LEWIS, F. A. Multiple utilidade do milho. In Brasil, Rio Grande do Sul, Secretaria da Agricultura. Milho: origem, cultivo, colheitas, conservacao, utilidade. Porto Alegre, 1959. pp. 73-79.
1330. LOPEZ HERNANDEZ, J. De la tostación del maiz; posibilidades de su aplicación en la preparación de mostos para la fermentación etilica. Tucumán, Argentina. Universidad Nacional, Facultad de Agronomía y Zootecnia. Miscelánea nº 9. 1960. 116 p.
1331. MARTINEZ DIEZ, E. Aprovechamientos industriales del maíz en Estados Unidos; posibilidades en España. In España. Instituto Nacional de Investigaciones Agronómicas. Conferencias 1959-60. Madrid, 1960. pp. 203-254.
1332. MICONNET, M. Industrialization du mais en grain en Bresse. Comptes Rendus de L'Academie D'Agriculture de France nº 3:309-310. 1964.
1333. PRINCIPALES USOS del maíz. Vida Rural en México 7(1):15. 1958.

ECONOMIA DE LA PRODUCCION
(ECONOMICS OF PRODUCTION)

1334. AUMENTO DE la tolerancia de "dañado y picado" en maíz de la cosecha 1962-63. Revista de la Bolsa de Cereales (Argentina) 50(2623):7-8. 1963.
1335. CALDER, A. The production of pork pigs, comparing maize, munga (millet) and pollards. Rhodesian Agricultural Journal 58(6):362-364. 1961.
1336. CLOUGH, M. Corn supply to reach six-billion bushel mark. U.S. Department of Agriculture. Agricultural Situation 44(10):1-2. 1960.
1337. COMPENSA PAGAR mais pela semente del milho hibrido. Mundo Agrícola (Brasil) 6(6):30. 1957.
1338. CORN FROM bag to bin, an effort to "totalize" program. Better Crops with Plant Food 44(2):16-25. 1960.
1339. COSCIA, A. Posibilidades económicas de distintos tipos de maíces producidos en la Argentina. Pergamino, Argentina. Estación Experimental Agropecuaria. Informe Técnico nº 8. 1962. 68 p.
1340. CHOUESSY, F. La ecuación del maíz; temas de política cerealística. Agricultura en El Salvador 1(1):3-4. 1960.
1341. La ecuación del maíz. Agricultura en El Salvador 1(2):4-7. 1960.
1342. DAVIS, V. W. Minimum resources for specified incomes on corn farms and hog farms. Illinois Agricultural Economics 4(1):1-8. 1964.
1343. DIAZ DEL PINO, A. Un problema nacional: la producción de maíz su posible solución. Vida Rural en México 4(1): 30-31. 1958.
1344. DOREN, D. M. VAN y RYDER, G. J. Factors affecting use of minimum tillage for corn. Agronomy Journal 54(5): 447-450. 1962.
1345. FIELDER, L. L., Jr. When to sell corn or hogs in the Mississippi River Delta Area of Louisiana. Louisiana Rural Economist 24(2):11-15. 1962.

1346. GAINZA BOTTERI, L. La comercialización del maíz. *Vida Agrícola* (Perú) 40(481):673-674, 676-678, 681-683, 685, 687, 689-690. 1963.
1347. HIERONYMUS, T. A. When to sell corn, soybeans, oats, wheat. Illinois College of Agriculture, Extension Service in Agriculture and Home Economics. Circular 833. 1961. 44 p.
1348. HILLMAN, D. High-moisture corn solves management problems. *Crops and Soils* 16(9):12-13. 1964.
1349. EL INIA encara los problemas de producción de maíz, trigo y frijol. *Campo* (México) 28(858):14. 1963.
1350. OVINGTON, J. D. Plant biomass and productivity of prairie, savanna, oakwood, and maize field ecosystems in Central Minnesota. *Ecology* 44(1):52-63. 1963.
1351. PARKER VELEZ, I. et al. Consideraciones generales sobre el déficit de maíz en Chile. In Reunión Latinoamericana de Fitotecnia, 4a., Santiago de Chile, nov. 24 - dic. 6, 1958. Actas. Santiago de Chile, Ministerio de Agricultura, 1961? pp. 287-288.
1352. RIOS, P. Desarrollo del maíz en nuestra economía. *Revista Shell* (Venezuela) 11(45):56-63. 1962.
1353. SHARP, J. W. y ECKER, H. J. Price spreads for corn and oats. Ohio Agricultural Experiment Station. Research Circular nº 55. 1958. 29 p.
1354. SANCHEZ, J. A. Márgenes de comercialización y algunos aspectos de mercado de arroz, maíz, frijol, trigo, papa. Bogotá, Colombia, Instituto Nacional de Abastecimientos, 1961. 102 p.
Maíz: pp. 36-51.
1355. TROTTER, C. E. Corn prices vary in Pennsylvania. *Science for the Farmer* 10(2):5. 1962.
1356. VENEZUELA. MINISTERIO DE AGRICULTURA Y CRIA. DIRECCION DE ECONOMIA Y ESTADISTICA AGROPECUARIA. Estadísticas agro-económicas continuas. Beneficio de maíz 1962. Caracas, 1963. 28 p.

PROGRAMAS DE EXTENSION
(EXTENSION PROGRAMS)

Enseñanza, Demostraciones, etc.
(Teaching, Judging, Shows, etc.)

1357. BURNS, P. E. Corn contest sparks adult course. *Agricultural Education* 36(4):89-90. 1963.
1358. MARTINEZ REDING, J., MYREN, D. T. y JIMENEZ S., L. Estudios de la difusión y adopción del maíz híbrido en cuatro municipios del Estado de Guanajuato. *Agricultura Técnica en México* 2(3):120-125. 1963-64.
1359. MYREN, D. T. Barreras que impiden la rápida adopción de nuevas selecciones de maíz y de mejores prácticas culturales por los agricultores. In *Reunión Centroamericana sobre Mejoramiento del Maíz*, 6a., Managua, Nicaragua, 1960. Proyecto Cooperativo Centroamericano. México, s.f. pp. 67-69.

INVESTIGACION Y PROGRAMAS DE MAIZ
(RESEARCH AND CORN PROGRAMS)

1360. ALEXANDER, D. E. y SEIF, R. D. Relation of kernel oil content to some agronomic traits in maize. *Crop Science* 3(4):354-355. 1963.
1361. BASIC PRINCIPLES for corn fertilization program. *Better Crops with Plant Food* 45(5):30-32. 1961.
1362. BENZA, J. C., GUEVARA, A. y ARROYO V., J. R. Investigaciones sobre algodón, arroz y maíz en Piura. *Agronomía (Perú)* 27(2):153-160. 1960.
1363. BONILLA, N. y SALAS, C. A. Experimentos del PCCMM sembrados en Costa Rica en 1961. In *Reunión Centroamericana sobre Mejoramiento del Maíz*, 8a., San José, Costa Rica, 1962. Proyecto Cooperativo Centroamericano. México, s.f. pp. 43-44.

1364. BOTACIO, J. y CONTRERAS, M. Ensayos del P.C.C.M.M. sembrados en Panamá en 1961. In Reunión Centroamericana sobre Mejoramiento del Maíz, 8a., San José, Costa Rica, 1962. Proyecto Cooperativo Centroamericano. México, s.f. pp. 47.
1365. CALZADA BENZA, J., GUEVARA, A. y ARROYO V., J. R. Investigaciones sobre algodón, arroz y maíz en Piura. Agronomía 27(2):153-160. 1960.
1366. EL CIANO y el Nordeste. 4 años de labor. México, D. F., Secretaría de Agricultura y Ganadería, 1960. 63 p.
Maíz pp. 26-35.
1367. COIMBRA, R. DE O. Melhoramento do milho no Instituto Agro-nomico do Oeste, M. G. Brasil, Minas Gerais, Secretaria da Agricultura, Industria, Comércio e Trabalho. Boletim de Agricultura 9(3-4):11-16. 1960.
1368. CONSIDERAZIONI SUL miglioramento della coltura dei mais in Somalia. Rivista di Agricoltura Subtropicale e Tropicale 54(4-6,7-9):550-555. 1960.
1369. CROSS, C. B. A progress report of corn investigations in Oklahoma. Oklahoma Agricultural Experiment Station. Mimeographed Circular nº 52. 1940. 31 p.
1370. DHAWAN, N. L., SINGH, AMIR y VAIDYA, S. M. Cooperative tests with U.S. maize hybrids in India. Indian Journal of Genetics & Plant Breeding 21(3):164-174. 1961.
1371. DOMINGUEZ, R. Informe sobre las actividades desarrolladas en relación con el proyecto de unificación de los sistemas de certificación de semillas en Centroamérica. In Reunión Centroamericana sobre Mejoramiento del Maíz, 8a., San José, Costa Rica, 1962. Proyecto Cooperativo Centroamericano. México, s.f. pp. 98-99.
1372. EIJNATTEN, C. L. M. VAN. Review of research on maize in Nigeria prior to 1950. Nigeria. Federal Department of Agricultural Research, Memorandum nº 26. 1960. 23 p.
1373. HEVIA P., L. Trabajos de mejoramiento que se están efectuando en maíz para silo y secano y en sorgo para riego y secano. In Reunión Latinoamericana de Fitotecnia, 4a., Santiago de Chile, nov. 24 - dic. 6, 1958. Actas. Santiago de Chile, Ministerio de Agricultura, 1961? pp. 282-283.

1374. INDIANA. UNIVERSITY. DEPARTMENT OF BOTANY. Maize genetics cooperation news letter 35. Bloomington, 1961. 183 p.
1375. INDIANA UNIVERSITY. DEPARTMENT OF BOTANIC. Maize genetics cooperation news letter 37. Bloomington, 1963. 196 p.
1376. INDIANA. UNIVERSITY. DEPARTMENT OF BOTANY. Maize genetics cooperation news letter 38. Bloomington, 1964. 150 p.
1377. JOHSON, E. C. Comentarios sobre el desarrollo del PCCMM. In Reunión Centroamericana sobre Mejoramiento del Maíz, 8a., San José, Costa Rica, 1962. Proyecto Cooperativo Centroamericano. México, s.f. pp. 24-27.
1378. KUGLER, W. F. y GODOY, E. Progresos recientes en la técnica cultural del maiz. Anales de la Sociedad Rural Argentina 87(11):10-15. 1953.
1379. LAZARO, R. C. Trabajos en maíz de la División de Investigaciones Agronómicas ANCAP. In Reunión Latinoamericana de Fitotecnia, 5a., Buenos Aires, 1961. Actas. Buenos Aires, Instituto Nacional de Tecnología Agropecuaria, 1963. vol. II, pp. 250-251.
1380. LEITE, C. A. SA. Pesquisas agrícolas com milho. In Brasil, Rio Grande do Sul, Secretaria da Agricultura. Milho: origem, cultivo, colheitas, conservacao, utilidade. Porto Alegre, 1959. pp. 27-41.
1381. MAIZE BREEDING work. Nyasaland. Department of Agriculture. Annual Report for the Year 1961-62. 1962. pp. 7-21.
1382. MERINO A., J. Actividades del PCCMM en El Salvador en el periodo 1954-1959. In Reunión Centroamericana sobre Mejoramiento del Maíz, 6a., Managua, Nicaragua, 1960. Proyecto Cooperativo Centroamericano. México, s.f. pp. 39-40.
1383. Resultados del Programa Cooperativo Centroamericano para el Mejoramiento del Maiz, 1961. In Reunión Centroamericana sobre Mejoramiento del Maiz, 8a., San José, Costa Rica, 1962. Proyecto Cooperativo Centroamericano. México, s.f. pp. 38-39.
1384. OSLER, R. D. Mejoramiento del maíz en el programa cooperativo de la América Central. In Reunión Centroamericana sobre Mejoramiento del Maíz, 5a., Panamá, 1959. Proyecto Cooperativo Centroamericano. México, Editorial Comaval, s.f. pp. 8-9.

1385. REUNION CENTROAMERICANA SOBRE MEJORAMIENTO DEL MAIZ, 5a., PANAMA, 1959. Proyecto Cooperativo Centroamericano. México, Editorial Comaval, s.f. 68 p.
1386. REUNION CENTROAMERICANA SOBRE MEJORAMIENTO DEL MAIZ, 6a., MANAGUA, NICARAGUA, 1960. Proyecto Cooperativo Centroamericano. México, s.f. 80 p.
1387. REUNION CENTROAMERICANA SOBRE MEJORAMIENTO DEL MAIZ, 8a., SAN JOSE, COSTA RICA, 1962. Proyecto Cooperativo Centroamericano. México, s.f. 104 p.
1388. REUNION CENTROAMERICANA SOBRE MEJORAMIENTO DEL MAIZ, 9a., SAN SALVADOR, EL SALVADOR, 1963. Proyecto Cooperativo Centroamericano. México, s.f. 95 p.
1389. ROMERO F., J. Programa de mejoramiento del maíz en Honduras 1961. In Reunión Centroamericana sobre Mejoramiento del Maíz, 8a., San José, Costa Rica, 1962. Proyecto Cooperativo Centroamericano. México, s.f. pp. 39-41.
1390. ROSSI, J. C. y PETRI, F. Programas de mejoramiento de maíz en Pergamino. In Reunión Latinoamericana de Fitotecnia, 4a., Santiago de Chile, nov. 24 - dic. 6, 1958. Actas. Santiago de Chile, Ministerio de Agricultura, 1961? pp. 290-292.
1391. SALAS, C. A. Resumen de los seis años de labor del PCCMM en Costa Rica. In Reunión Centroamericana sobre Mejoramiento del Maíz, 6a., Managua, Nicaragua, 1960. Proyecto Cooperativo Centroamericano. México, s.f. pp. 29-30.
1392. _____ y BONILLA, N. Programa nacional de mejoramiento de maíz en Costa Rica. In Reunión Centroamericana sobre Mejoramiento del Maíz, 8a., San José, Costa Rica, 1962. Proyecto Cooperativo Centroamericano. México, s.f. pp. 45-46.
1393. _____ y BONILLA, N. Programa de mejoramiento de maíz en Costa Rica. In Reunión Centroamericana sobre Mejoramiento del Maíz, 9a., San Salvador, El Salvador, 1963. Proyecto Cooperativo Centroamericano. México, s.f. pp. 31-33.
1394. SALAZAR B., A. Informe de labores realizadas por el PCCMM en 1961. In Reunión Centroamericana sobre Mejoramiento del Maíz, 8a., San José, Costa Rica, 1962. Proyecto Cooperativo Centroamericano. México, s.f. pp. 34-36.

1395. SALAZAR B., A. Resumen regional de los ensayos del PCCMM. In Reunión Centroamericana sobre Mejoramiento del Maíz, 9a., San Salvador, El Salvador, 1963. Proyecto Cooperativo Centroamericano. México, s.f. pp. 15-24.
1396. _____ Trabajos del programa de maíz de Nicaragua. In Reunión Centroamericana sobre Mejoramiento del Maíz, 9a., San Salvador, El Salvador, 1963. Proyecto Cooperativo Centroamericano. México, s.f. pp. 29-31.
1397. _____ y PINEDA, L. El programa cooperativo y local de maíz de Nicaragua en 1961. In Reunión Centroamericana sobre Mejoramiento del Maíz, 8a., San José, Costa Rica, 1962. Proyecto Cooperativo Centroamericano. México, s.f. pp. 41-42.
1398. SANDOVAL S., A. A. y FUENTES C., A. Resultados preliminares del programa tropical de cruzas intervarietales de maíz en Guatemala. Investigaciones Agropecuarias (Guatemala) 1(2):73-89. 1960.
1399. TAHIR, W. M. Maize introduction and breeding at Tozi, Sudan. Empire Journal of Experimental Agriculture 31(122):152-160. 1963.
1400. VILLENA D., W. Resumen de seis años de labor del PCCMM en Nicaragua, 1954-1959. In Reunión Centroamericana sobre Mejoramiento del Maíz, 6a., Managua, Nicaragua, 1960. Proyecto Cooperativo Centroamericano. México, s.f. pp. 33-36.
1401. VIOLIC M., A. Mejoramiento del maíz en la Estación Experimental de Chillán. In Reunión Latinoamericana de Fitotecnia, 4a., Santiago de Chile, nov. 24 - dic. 6, 1958. (Actas). Santiago de Chile, Ministerio de Agricultura, 1961? pp. 292-294.
1402. WELLHAUSEN, E. J. El mejoramiento del maíz en México. Agricultura de las Américas 13(5):42-43, 50. 1964.

CONFERENCIAS - REUNIONES
(CONFERENCES - MEETINGS)

1403. FERWERDA, F. P. Meeting of the Eucarpia maize section in Rome 23-26 February 1960. Euphytica 9(3):272-274. 1960.

1404. HIGHLIGHTS ON the 1962 hybrid corn conference. Seed World 91(12):19, 21. 1962.
1405. REUNION CENTROAMERICANA SOBRE MEJORAMIENTO DEL MAIZ, 5a., PANAMA, 1959. Proyecto Cooperativo Centroamericano. México, Editorial Comaval, s.f. 68 p.
1406. REUNION CENTROAMERICANA SOBRE MEJORAMIENTO DEL MAIZ, 6a., MANAGUA, NICARAGUA, 1960. Proyecto Cooperativo Centroamericano. México, s.f. 80 p.
1407. REUNION CENTROAMERICANA SOBRE MEJORAMIENTO DEL MAIZ, 8a., SAN JOSE, COSTA RICA, 1962. Proyecto Cooperativo Centroamericano. México, s.f. 104 p.
1408. REUNION CENTROAMERICANA SOBRE MEJORAMIENTO DEL MAIZ, 9a., SAN SALVADOR, EL SALVADOR, 1963. Proyecto Cooperativo Centroamericano. México, s.f. 95 p.
1409. REUNION LATINOAMERICANA DE FITOTECNIA, 5a., BUENOS AIRES, 1961. Actas. Buenos Aires, Instituto Nacional de Tecnología Agropecuaria, 1963. 3 v.

PRODUCCION Y CULTIVO EN GENERAL
(GENERAL PRODUCTION AND CULTIVATION)

Estados Unidos

Arkansas

1410. McCOLLUM, B. D. 1947 Arkansas corn yield tests. Arkansas Agricultural Experiment Station. Report Series nº 8. 1948. 21 p.
1411. WISER, W. J. 1948 corn performance tests. Arkansas Agricultural Experiment Station. Report Series 12. 1949. 22 p.
1412. _____ 1949 hybrid corn yield tests. Arkansas Agricultural Experiment Station. Report Series 14. 1950. 27 p.

1413. WISER, W. J. 1950 hybrid corn yield tests. Arkansas Agricultural Experiment Station. Report Series 23. 1951. 27 p.
1414. YORK, J. O. et al. Arkansas loessial terraces corn performance test for 1961. Arkansas Agricultural Experiment Station. Mimeograph Series nº 108. 1962. 7 p.
1415. _____ y HELM, J. E. Arkansas Ozark highlands corn performance test for 1961. Arkansas Agricultural Experiment Station. Mimeograph Series nº 106. 1962. 6 p.
1416. _____ y HELM, J. E. Northeast Arkansas bottomlands corn performance tests for 1961. Arkansas Agricultural Experiment Station. Mimeograph Series nº 107. 1962. 11 p.
1417. _____ y HELM, J. E. Arkansas hybrid corn performance tests, 1956-1961. Arkansas Agricultural Experiment Station. Report Series 117. 1963. 21 p.

Florida

1418. CULTIVO DEL maíz en Florida. Chacra (Argentina) 31(364): 38-40. 1961.
1419. GREEN, V. E., Jr., HARRIS, E. D., y ORSENIGO, J. R. Field corn research in the Everglades, 1961. Florida. Everglades Experiment Station. Mimeo Report 62-11. 1961. 25 p.
1420. _____, HARRIS, E. D., Jr. y ORSENIGO, J. R. Everglades field corn research results and recommendations 1962. Florida. Everglades. Experiment Station. Mimeo Report 63-16. 1963. 15 p.
1421. HENDERSON, J. R., JONES, D. W. y BROGDON, J. E. Field corn production guide. Florida. University. Agricultural Extension Service. Circular 144B. 1964. 12 p.

Georgia

1422. BROOKS, O. L. Corn production in North Georgia. Georgia Agricultural Experiment Station. Bulletin nº 264. 1952. 35 p.
1423. ELROD, J. C. A comparison of two levels of practices in the production of corn in the limestone valley area of Georgia. Georgia Agricultural Experiment Station. Mimeo Series N.S. 18. 1956. 14 p.
1424. FORD, K. E. y NOLAND, J. Corn meal milling, Georgia, 1957. Georgia Agricultural Experiment Station. Mimeo Series N.S. 79. 1959. 37 p.
1425. LEBEDEFF, G. A. y BROOKS, O. L. 1947 progress report on corn varieties and hybrid tests. Georgia Agricultural Experiment Station. Circular nº 154. 1948. 11 p.
1426. _____ y BROOKS, O. L. Performance test of corn hybrids and varieties 1943 - 1948. Georgia Agricultural Experiment Station. Circular nº 158. 1949. 15 p.
1427. WOODWORTH, R. C. y O'NEAL, W. G. Resources use for corn production in the Limestone Valley area of Georgia. Georgia Agricultural Experiment Station. Bulletin N.S. 61. 1959. 34 p.

Hawaii

1428. YOUNGE, O. R., PLUCKNETT, D. L. y IZUNO, T. Research shows that corn can make a comeback in Hawaii. Hawaii Farm Science 12(4):4-5. 1963.

Idaho

1429. OWENS, E. W. y ENSIGN, R. D. Field corn production in Idaho. Idaho Agricultural Experiment Station. Bulletin nº 310. 1959. 15 p.

Illinois

1430. LENG, E. R. et al. 1960 performance of experimental corn hybrids in Illinois. Illinois Agricultural Experiment Station. Bulletin 669. 1961. 33 p.

1431. _____ Performance of commercial corn hybrids in Illinois, 1960. Illinois Agricultural Experiment Station. Bulletin 668. 1961. 44 p.

1432. _____ y ROSS, G. L. 1961 performance of commercial corn hybrids in Illinois. Illinois Agricultural Experiment Station. Bulletin 682. 1962. 47 p.

1433. ROSS, G. L., PARDEE, W. D. y LENG, E. R. Performance of commercial corn hybrids in Illinois 1960-1962. Illinois Cooperative Extension Service. Circular 859. 1963. 27 p.

1434. _____, WILLIAMS, K. E. y PARDEE, W. D. Performance of commercial corn hybrids in Illinois 1961-1963. Illinois College of Agriculture Extension Service. Circular 877. 1964. 28 p.

Indiana

1435. CRANE, P. L. y ALVEY, D. D. Performance of commercial dent corn hybrids in Indiana, 1958-1961. Indiana (Purdue) Agricultural Experiment Station. Research Bulletin nº 738. 1962. 12 p.

1436. CRANE, P. L., DUCLOS, L. A. y PURDY, J. L. Performance of commercial dent corn hybrids in Indiana, 1959-1962. Indiana (Purdue) Agricultural Experiment Station. Research Bulletin nº 761. 1963. 12 p.
1437. _____, PURDY, J. L. y DUCLOS, L. A. Performance of commercial dent corn hybrids in Indiana, 1960-1963. Indiana (Purdue) Agricultural Experiment Station. Research Bulletin nº 772. 1964. 12 p.

Iowa

1438. HIGGS, R. L., HUTCHCROFT, C. D. y ROBINSON, J. L. The 1963 Iowa corn yield test. Iowa Agricultural and Home Economics Experiment Station. Bulletin P-134. 1964. 28 p.
1439. HUTCHCROFT, C. D. et al. The 1962 Iowa corn yield test. Iowa State University of Science and Technology. Bulletin P-132. 1963. 23 p.
1440. _____, INGLEDUE, R. D. y ROBINSON, J. L. The 1961 Iowa corn yield test. Iowa Agricultural and Home Economics Experiment Station. Bulletin P-130. 1962. 23 p.
1441. _____ y ROBINSON, J. L. The 1950 Iowa corn yield test. Iowa Agricultural Experiment Station. Bulletin P-110. 1951. pp. 691-736.

Kansas

1442. CLAPP, A. L. y TATUM, L. A. Kansas corn tests, 1949. Kansas Agricultural Experiment Station. Bulletin 342. 1950. 48 p.
1443. _____ y TATUM, L. A. Kansas corn tests, 1950. Kansas Agricultural Experiment Station. Bulletin nº 347. 1951. 45 p.

1444. CLAPP, A. L. y FINDLEY, W. R. Kansas corn tests, 1959. Kansas Agricultural Experiment Station. Bulletin 419. 1960. 32 p.
1445. JUGENHEIMER, R. W. et al. Kansas corn tests, 1943. Kansas Agricultural Experiment Station. Bulletin 323. 1944. 36 p.
1446. _____, CLAPP, A. L. y HOLLEMBEAK, H. D. Kansas corn tests, 1942. Kansas Agricultural Experiment Station. Bulletin 311. 1943. 44 p.
1447. KNIGHT, D. A. The productivity of corn and protein fed to hogs on Southeastern Kansas farms. Kansas Agricultural Experiment Station. Technical Bulletin 121. 1962. 39 p.
1448. WALTER, T. L. Kansas corn tests, 1962. Kansas Agricultural Experiment Station. Bulletin 455. 1963. 32 p.
1449. _____, ed. Kansas corn performance test 1963. Kansas Agricultural Experiment Station. Bulletin 470. 1964. 38 p.
1450. _____, SCOTT, G. E. y CLAPP, A. L. Kansas corn tests, 1960. Kansas Agricultural Experiment Station. Bulletin 432. 1961. 36 p.
1451. WILBUR, D. A., BRYSON, H. R. y PAINTER, R. H. Southwestern corn borer in Kansas. Kansas Agricultural Experiment Station. Bulletin 317. 1943. 32 p.

Kentucky

1452. DOLL, E. C. Fertilizer experiments with corn in Kentucky. Kentucky Agricultural Experiment Station. Progress Report 118. 1962. 8 p.
1453. LOEFFEL, F. A. y THORNDALE, D. C. Results of Kentucky hybrid corn performance test-1963. Kentucky. University. Agricultural Experiment Station. Progress Report 135. 1964. 24 p.

1454. MARTIN, W. K. y LOEFFEL, F. A. Results of the Kentucky hybrid corn performance test-1961. Kentucky Agricultural Experiment Station. Progress Report 108. 1962. 23 p.
1455. _____ y LOEFFEL, F. A. Results of the Kentucky hybrid corn performance test in 1962. Kentucky Agricultural Experiment Station. Progress Report 125. 1963. 24 p.
1456. PHILLIPS, S. H. y LOEFFEL, F. A. Growing corn in Kentucky. Kentucky. University. Cooperative Extension Service, Agriculture and Home Economics. Circular 588. s.f. 14 p.

Maine

1457. HUTCHINSON, F. E. y RICH, J. S. Corn. Maine Agricultural Experiment Station. Official Inspection no 266. 1962. pp. 36-37.

Minnesota

1458. HOLT, R. F. y DOREN, C. A. VAN. Water utilization by field corn in Western Minnesota. Agronomy Journal 53(1):43-45. 1961.

Mississippi

1459. CAMPBELL, C. M. y GROGAN, C. O. Corn for State. Mississippi Farm Research 24(1):1, 8. 1961.
1460. _____ y GROGAN, C. O. 1960 hybrid corn tests. Mississippi Agricultural Experiment Station. Bulletin 609. 1961. 8 p.

1461. GRISSOM, P. y SPURGEON, W. I. Fertility practices for cotton and corn in the Yazoo-Mississippi Delta. Mississippi Agricultural Experiment Station. Bulletin 614. 1961. 28 p.
1462. GROGAN, C. O. y CAMPBELL, C. M. Mississippi hybrid corn tests, 1962. Mississippi Agricultural Experiment Station. Bulletin 656. 1963. 11 p.

Nebraska

1463. PUMPHREY, F. V. et al. Method and rate of applying Zinc Sulfate for corn on Zinc-Deficient soil in Western Nebraska. Agronomy Journal 55(3):235-238. 1963.

New Jersey

1464. ANDERSON, J. C. Performance of corn hybrids in New Jersey in 1963. New Jersey Agricultural Experiment Station. Circular 602-A. 1964. 8 p.
1465. _____ y FUNK, C. R. Experimental corn trials in New Jersey in 1961. New Jersey Agricultural Experiment Station. Circular n° 599. 1962. 13 p.
1466. BAYLOR, J. E. For more corn per acre. New Jersey Agricultural Experiment Station. Leaflet n° 106. 1953. 7 p.

Ohio

1467. JONES, J. B. Corn topping - its implications for the Ohio farmer. Ohio Farm and Home Research 46(3):43-44. 1961.

1468. SABOE, L. C. Crop varieties and corn hybrids for Ohio in 1963. Ohio Agricultural Extension Service. Bulletin 347. 1962. 20 p.

Oklahoma

1469. BROOKS, J. S., CHESSMORE, R. y PASS, H. Performance test on corn varieties and hybrids, 1948. Oklahoma Agricultural Experiment Station. Mimeo Circular M-177. 1948. 38 p.
1470. _____, CHESSMORE, R. y PASS, H. Oklahoma corn performance tests; summary: 1946, 1947, and 1948. Oklahoma Agricultural Experiment Station. Bulletin B-327. 1949. 14 p.
1471. HARPER, H. J. y BRENSING, O. H. Effect of ammonium nitrate on corn production in Oklahoma 1948. Oklahoma Agricultural Experiment Station. Mimeographed Circular M-178. 1949. 6 p.
1472. PASS, H. Performance tests of corn varieties and hybrids, 1960. Oklahoma Agricultural Experiment Station. Miscellaneous Publication MP-61. 1961. 16 p.
1473. _____ Performance tests of corn varieties and hybrids, 1962. Oklahoma Agricultural Experiment Station. Miscellaneous Publications MP-68. 1963. 11 p.
1474. _____ Performance tests of corn varieties and hybrids 1963. Oklahoma Agricultural Experiment Station. Miscellaneous Publication MP-72. 1964. 16 p.
1475. _____, BROOKS, J. S. y SMITH, J. W. Performance tests of corn varieties and hybrid, 1954. Oklahoma Agricultural Experiment Station. Mimeographed Circular n° M-265. 1954. 7 p.
1476. WALTON, R. R. y ARBUTHNOT, K. D. Soil insects on corn in Oklahoma. Oklahoma Agricultural Experiment Station. Processed Series P-443. 1963. 11 p.

1477. WALTON, R. R. y BIEBERDORF, G. A. Seasonal history of the southwestern corn borer, Diatrea Grandiosella dyar, in Oklahoma; and experiments on methods of control. Oklahoma Agricultural Experiment Station. Technical Bulletin nº T-32. 1948. 23 p.

Oregon

1478. DAVIS, G. B. y MUMFORD, D. C. Cost of producing sweet corn in the willamette valley, Oregon. Oregon Agricultural Experiment Station. Bulletin nº 465. 1949. 23 p.

Pennsylvania

1479. THOMAS, W. I. et al. 1960 Pennsylvania corn performance studies. Pennsylvania Agricultural Experiment Station. Progress Report nº 233. 1961. 23 p.
1480. et al. 1961 Pennsylvania corn performance studies. Pennsylvania Agricultural Experiment Station. Progress Report 241. 1962. 32 p.
1481. et al. 1962 Pennsylvania corn performance studies. Pennsylvania Agricultural Experiment Station. Progress Report nº 248. 1963. 29 p.
1482. , GORSLINE, G. W. y KORMAN, G. W. 1960 Pennsylvania commercial hybrid corn tests. Pennsylvania Agricultural Experiment Station. Progress Report 229. 1961. 14 p.
1483. TROTTER, C. E. Corn prices vary in Pennsylvania. Science for the Farmer 10(2):5. 1962.

South Dakota

1484. BERRY, R. L. Most profitable rotations for the corn belt area of Southeastern South Dakota. South Dakota Agricultural Experiment Station. Circular 129. 1956. 40 p.
1485. BONNEMANN, J. J. 1962 South Dakota corn performance trials. South Dakota Agricultural Experiment Station. Circular 154. 1963. 14 p.
1486. _____ 1963 South Dakota corn performance trials. South Dakota Agricultural Experiment Station. Circular 160. 1964. 15 p.
1487. SHANK, D. B., KRATOCHVIL, D. E. y MOORE, R. A. South Dakota corn performance tests, 1956. South Dakota Agricultural Experiment Station. Circular 134. 1957. 22 p.

Virginia

1488. GENTER, C. F. y SHULKCUM, E. Performance records of corn hybrids tested in Virginia, 1951-1956. Virginia Agricultural Experiment Station. Research Report no 13. 1957. 13 p.
1489. _____ y SHULKCUM, E. Performance of hybrid corn varieties tested in Virginia, 1957-1963. Virginia Agricultural Experiment Station. Research Report no 76. 1963. 15 p.
1490. MOODY, J. E. et al. Reduce and no-tillage practices for growing corn in Virginia. Virginia Agricultural Experiment Station. Bulletin 553. 1964. 12 p.
1491. SHULKCUM, E. y GENTER, C. F. Corn performance tests in Virginia in 1960. Virginia Agricultural Experiment Station. Research Report 53. 1961. 59 p.
1492. _____ y GENTER, C. F. Corn performance tests in Virginia in 1962. Virginia Agricultural Experiment Station. Research Report 68. 1963. 31 p.

1493. SHULKUM, E. y GENTER, C. F. Corn performance tests in Virginia in 1963. Virginia Agricultural Experiment Station. Research Report 82. 1964. 27 p.

West Virgnia

1494. CORN PRODUCTION in West Virginia. West Virginia. Cooperative Extension work in Agriculture and Home Economics. Circular 394. 1963? 10 p.
1495. HYBRID CORN performance trials in West Virginia, 1962. West Virginia Agricultural Experiment Station. Current Report 37. 1963. 9 p.
1496. JOHNSON, M. W. Hybrid corn performance trials in West Virginia, 1960. West Virginia Agricultural Experiment Station. Current Report 28. 1961. 10 p.
1497. _____ Hybrid corn performance trials in West Virginia, 1961. West Virginia Agricultural Experiment Station. Current Report 33. 1962. 10 p.
1498. _____ Performance of double cross dent corn hybrids in West Virginia, 1958-1960. West Virginia Agricultural Experiment Station. Bulletin 470. 1962. 18 p.

Wisconsin

1499. GROSKOPP, M. D. y ALBERT, A. R. Irrigated corn in Central Wisconsin. Wisconsin Agricultural Experiment Station. Bulletin 541. 1959. 8 p.

Wyoming

1500. BURMAN, R. D., PAINTER, L. I. y PARTRIDGE, J. R. Irrigation and nitrogen fertilization of field corn in Northwest Wyoming. Wyoming Agricultural Experiment Station. Bulletin 389. 1962. 15 p.
1501. RIEDL, W. A. Wyoming hybrid corn performance trials, 1955-1958. Wyoming Agricultural Experiment Station. Bulletin 362. 1959. 15 p.

Africa

1502. BURKERSRODA, K. W. VON. Fertilizing maize in Rhodesia. World Crops 16(2):75-79. 1964.
1503. CONSIDERAZIONI SUL miglioramento della coltura dei mais in Somalia. Rivista di Agricoltura Subtropicale e Tropicale 54(4-6,7-9):550-555. 1960.
1504. CHINWUBA, P. M. Report on co-operative maize yield trials carried out in Nigeria during 1960 and 1961. Nigeria. Federal Department of Agricultural Research. Memorandum n° 40. 1962. 13 p.
1505. EIJNATTEN, C. L. M. VAN. A varietal improvement programme on maize in Nigeria. Euphytica 10(3):294-300. 1961.
1506. MAIZE BREEDING work. Nyasaland. Department of Agriculture. Annual Report for the Year 1961-62. 1962. pp. 7-21.
1507. MUNRO, J. M. y WOOD, R. A. Water requirements of irrigated maize in Nyasaland. Empire Journal of Experimental Agriculture 32(126):141-152. 1964.
1508. RATTRAY, A. Maize improvement and the development of hybrid maize in Rhodesia. Rhodesia Agricultural Journal 59(3):166-169. 1962.
1509. TAHIR, W. M. Maize introduction and breeding at Tozi, Sudan. Empire Journal of Experiment Agriculture 31(122):152-160. 1963.

1510. WALKER, P. T. The relation between infestation by the stalk borer, Busseola fusca, and yield of maize in East Africa. Annals of Applied Biology 48(4):780-786.
1960.

Asia y Oceanía

1511. CORN CULTURE in the Philippines. Queensland Journal of Agriculture 10(2):195-202. 1939.

1512. VOBAR, T. Corn in the Philippines. Philippine Journal of Agriculture 2(4):369-391. 1931.

América Central y México* (Central America and México)*

1513. PLATH, C. V. Proyecto regional (preliminar) de cereales para el Mercado Común Centroamericano. In Reunión Centroamericana sobre Mejoramiento del Maíz, 9a., San Salvador, El Salvador, 1963. Proyecto Cooperativo Centroamericano. México, s.f. pp. 51-55.

Costa Rica

1514. COSTA RICA. DIRECCION GENERAL DE ESTADISTICA Y CENSOS.
Censo Agropecuario de 1963. San José, s.f. 36 p.

Estadísticas de la producción de maíz.

1515. SALAS, C. A. Datos de Costa Rica obtenidos en los ensayos del PCCMM en 1959. In Reunión Centroamericana sobre Mejoramiento del Maíz, 6a., Managua, Nicaragua, 1960. Proyecto Cooperativo Centroamericano. México, s.f. pp. 27-28.

* Las referencias sobre México aparecen en la página 158.

1516. SALAS, C. A. Resumen de los seis años de labor del PCCMM en Costa Rica. In Reunión Centroamericana sobre Mejoramiento del Maíz, 6a., Managua, Nicaragua, 1960. Proyecto Cooperativo Centroamericano. México, s.f. pp. 29-30.
1517. _____ y BONILLA, N. Ensayos de fertilización del PCCMM en Costa Rica. In Reunión Centroamericana sobre Mejoramiento del Maíz, 8a., San José, Costa Rica, 1962. Proyecto Cooperativo Centroamericano. México, s.f. pp. 65-68.
1518. _____ y BONILLA, N. Programa nacional de mejoramiento de maíz en Costa Rica. In Reunión Centroamericana sobre Mejoramiento del Maíz, 8a., San José, Costa Rica, 1962. Proyecto Cooperativo Centroamericano. México, s.f. pp. 45-46.
1519. _____ y BONILLA, N. Fertilización química del maíz en Costa Rica. In Reunión Centroamericana sobre Mejoramiento del Maíz, 9a., San Salvador, El Salvador, 1963. Proyecto Cooperativo Centroamericano. México, s.f. pp. 83-85.

El Salvador

1520. BERRY, P. A. Plagas del maíz en El Salvador. In Reunión Centroamericana sobre Mejoramiento del Maíz, 5a., Panamá, 1959. Proyecto Cooperativo Centroamericano. México, Editorial Comaval, s.f. pp. 44-46.
1521. CAIN, S. Efectos de niveles de nitrógeno y sistema de riego en el rendimiento de maíz en El Salvador. In Reunión Centroamericana sobre Mejoramiento del Maíz, 5a., Panamá, 1959. Proyecto Cooperativo Centroamericano. México, Editorial Comaval, s.f. pp. 21-24.
1522. EL SALVADOR. DIRECCION GENERAL DE INVESTIGACIONES AGRONOMICAS. COMITE DEL ACHAPARRAMIENTO. Achaparramiento del maíz. Agricultura en El Salvador 2(2-3):33-35. 1961.
1523. MERINO ARQUETA, J. Nuevos maíces mejorados para El Salvador. In Reunión Centroamericana sobre Mejoramiento del Maíz, 9a., San Salvador, El Salvador, 1963. Proyecto Cooperativo Centroamericano. México, s.f. pp. 27.

1524. EL MINISTERIO de Agricultura y Ganadería y el problema del maíz. *Agricultura en El Salvador* 3(2):3-6. 1962.
1525. SALAZAR M., J. R. Fertilización del maíz N P K, 1959-1961. *El Salvador. Dirección General de Investigaciones Agro-nómicas. Boletín Técnico nº 35.* 1963. 36 p.
1526. _____ Informe de El Salvador sobre los trabajos con fertilizantes realizados en 1962. In Reunión Centroamericana sobre Mejoramiento del Maíz, 9a., San Salvador, El Salvador, 1963. Proyecto Cooperativo Centroamericano. México, s.f. pp. 80-82.

Guatemala

1527. CASTAÑEDO M., J. G. Informe de los trabajos de fertilización de maíz en Guatemala. In Reunión Centroamericana sobre Mejoramiento del Maíz, 5a., Panamá, 1959. Proyecto Cooperativo Centroamericano. México, Editorial Comaval, s.f. pp. 25-26.
1528. CASTILLO, L. M. Datos sobre almacenamiento de semilla en Guatemala. In Reunión Centroamericana sobre Mejoramiento del Maíz, 5a., Panamá, 1959. Proyecto Cooperativo Centroamericano. México, Editorial Comaval, s.f. pp. 52-53.
1529. FUENTES C., A. Informe sobre el desarrollo del programa de maíz de Guatemala. In Reunión Centroamericana sobre Mejoramiento del Maíz, 9a., San Salvador, El Salvador, 1963. Proyecto Cooperativo Centroamericano. México, s.f. pp. 25-26.
1530. ORTIZ M., O. Ensayos de fertilización de maíz en Guatemala. In Reunión Centroamericana sobre Mejoramiento del Maíz, 8a., San José, Costa Rica, 1962. Proyecto Cooperativo Centroamericano. México, s.f. pp. 53-55.
1531. SANDOVAL S., A. A. y FUENTES C., A. Resultados preliminares del programa tropical de cruzas intervarietales de maíz en Guatemala. *Investigaciones Agropecuarias (Guatemala)* 1(2):73-89. 1960.

1532. SANTIZO RODAS, F. Control de insectos del maíz en Guatemala. In Reunión Centroamericana sobre Mejoramiento del Maíz, 5a., Panamá, 1959. Proyecto Cooperativo Centroamericano. México, Editorial Comaval, s.f. pp. 46-48.
1533. SCHIBER, E. y CASTILLO, L. M. Achaparramiento del maíz en Guatemala. Investigaciones Agropecuarias (Guatemala) 1(3):175-180. 1960.

Honduras

1534. BANEGAS, D. El control de las plagas del maíz en Honduras con dieldrin granulado al 5%. In Reunión Centroamericana sobre Mejoramiento del Maíz, 5a., Panamá, 1959. Proyecto Cooperativo Centroamericano. México, Editorial Comaval, s.f. pp. 42-44.
1535. DIAZ A., J. y ROMERO F., J. Maíces para Honduras; resultados experimentales en siembras de primera 1963. Honduras, Secretaría de Recursos Naturales-STICA. Divulgación Técnica nº 5-63. 1963. 14 p.
1536. ROMERO F., J. Ensayos de fertilizantes realizados dentro del PCCMM en Honduras 1961. In Reunión Centroamericana sobre Mejoramiento del Maíz, 8a., San José, Costa Rica, 1962. Proyecto Cooperativo Centroamericano. México, s.f. pp. 59-61.
1537. _____ Programa de mejoramiento del maíz en Honduras 1961. In Reunión Centroamericana sobre Mejoramiento del Maíz, 8a., San José, Costa Rica, 1962. Proyecto Cooperativo Centroamericano. México, s.f. pp. 39-41.
1538. _____ Programa de mejoramiento de maíz en Honduras. In Reunión Centroamericana sobre Mejoramiento del Maíz, 9a., San Salvador, El Salvador, 1963. Proyecto Cooperativo Centroamericano. México, s.f. pp. 28-29.
1539. VIERA, O. G. Producción de semillas en Honduras. In Reunión Centroamericana sobre Mejoramiento del Maíz, 8a., San José, Costa Rica, 1962. Proyecto Cooperativo Centroamericano. México, s.f. p. 98.

Nicaragua

1540. ESTRADA R., F. A. Lista preliminar de insectos asociados al maíz en Nicaragua. Turrialba (Costa Rica) 10(2): 68-73. 1960.
1541. LIZARRAGA H., H. Aplicación de fertilizantes en maíz en Nicaragua. In Reunión Centroamericana sobre Mejoramiento del Maíz, 5a., Panamá, 1959. Proyecto Cooperativo Centroamericano. México, Editorial Comaval, s.f. pp. 17-20.
1542. _____ Ensayos de prácticas culturales con maíz en Nicaragua. In Reunión Centroamericana sobre Mejoramiento del Maíz, 6a., Managua, Nicaragua, 1960. Proyecto Cooperativo Centroamericano. México, s.f. pp. 55-61.
1543. MAIZ; CONSIDERACIONES generales y variedades adaptadas a Nicaragua. Nuestra Tierra Paz y Progreso (Nicaragua) nº 20:22-26. 1959.
1544. SALAZAR, A. Características del maíz sintético Nicaragua # 2. Nuestra Tierra Paz y Progreso (Nicaragua) 6(53): 14-16. 1962.
1545. _____ Cultivo del maíz en Nicaragua. Nuestra Tierra Paz y Progreso (Nicaragua) 7(70):180-185. 1963.
1546. _____ Trabajos del programa de maíz de Nicaragua. In Reunión Centroamericana sobre Mejoramiento del Maíz, 9a., San Salvador, El Salvador, 1963. Proyecto Cooperativo Centroamericano. México, s.f. pp. 29-31.
1547. _____ y PINEDA, L. El programa cooperativo y local de maíz de Nicaragua en 1961. In Reunión Centroamericana sobre Mejoramiento del Maíz, 8a., San José, Costa Rica, 1962. Proyecto Cooperativo Centroamericano. México, s.f. pp. 41-42.
1548. SALMERON, R. Experimentación y extensión en el programa del maíz en Nicaragua. In Reunión Centroamericana sobre Mejoramiento del Maíz, 6a., Managua, Nicaragua, 1960. Proyecto Cooperativo Centroamericano. México, s.f. pp. 62-63.
1549. SANDOVAL A., U. Producción y certificación de semillas en Nicaragua. In Reunión Centroamericana sobre Mejoramiento del Maíz, 8a., San José, Costa Rica, 1962. Proyecto Cooperativo Centroamericano. México, s.f. pp. 94-95.

1550. VILLENA DUCHEN, W. Desarrollo del programa de mejoramiento de maíz en Nicaragua. In Reunión Centroamericana sobre Mejoramiento del Maíz, 5a., Panamá, 1959. Proyecto Cooperativo Centroamericano. México, Editorial Comaval, s.f. pp. 12-14.
1551. _____ Desarrollo de los ensayos del PCCMM en Nicaragua durante 1959. In Reunión Centroamericana sobre Mejoramiento del Maíz, 6a., Managua, Nicaragua, 1960. Proyecto Cooperativo Centroamericano. México, s.f. pp. 31-33.
1552. _____ Resumen de seis años de labor del PCCMM en Nicaragua, 1954-1959. In Reunión Centroamericana sobre Mejoramiento del Maíz, 6a., Managua, Nicaragua, 1960. Proyecto Cooperativo. México, s.f. pp. 33-36.
1553. ZELAYA Q., R. Efectos del nivel de nitrógeno y fecha de siembra sobre los rendimientos del maíz en Nicaragua. In Reunión Centroamericana sobre Mejoramiento del Maíz, 6a., Managua, Nicaragua, 1960. Proyecto Cooperativo Centroamericano. México, s.f. pp. 51-52.
1554. _____ Experimentos de fertilizantes químicos con maíz del PCCMM realizados en Nicaragua durante 1961. In Reunión Centroamericana sobre Mejoramiento del Maíz, 8a., San José, Costa Rica, 1962. Proyecto Cooperativo Centroamericano. México, s.f. pp. 61-65.

Panamá

1555. AROSEMANA P., A. Almacenaje de semillas de maíz en Panamá. In Reunión Centroamericana sobre Mejoramiento del Maíz, 5a., Panamá, 1959. Proyecto Cooperativo Centroamericano. México, Editorial Comaval, s.f. pp. 51-52.
1556. NAVAS, D. E. y ADAMES, J. E. Plagas que atacan el maíz en Panamá. In Reunión Centroamericana sobre Mejoramiento del Maíz, 5a., Panamá, 1959. Proyecto Cooperativo Centroamericano. México, Editorial Comaval, s.f. pp. 40-41.

1557. VILLALOBOS, J. E. Programa de impacto de maíz en Panamá.
In Reunión Centroamericana sobre Mejoramiento del Maíz,
9a., San Salvador, El Salvador, 1963. Proyecto Cooperativo Centroamericano. México, s.f. pp. 89-90.

México

1558. AUMENTE SU producción de maiz. Recomendaciones para el Bajío y Regiones similares. México. Secretaría de Agricultura y Ganadería. Oficina de Estudios Especiales. Boletín 229. 1960. 12 p.
1559. BARRIENTOS, F. y PALACIOS DE LA ROSA, G. Maíces mejorados para la Mesa Central. México, Secretaría de Agricultura y Ganadería, Oficina de Estudios Especiales. Circular nº 5. 1961. s.p.
1560. CASTILLA, S. H. Los problemas del maíz en México. Vida Rural en México 3(30):58-62. 1960.
1561. EL CULTIVO del maíz en el Valle del Yaqui, México. Granja (México) 5(56):2-4. 1960.
1562. EVOLUCION DEL maíz en México. Agricultura en las Américas 13(1):42-44, 46-47. (Cont.). 1964.
1563. LAIRD, R. J. et al. Manejo de los residuos de las cosechas en una rotación de maíz y trigo en el Bajío. México. Secretaría de Agricultura y Ganadería, Oficina de Estudios Especiales. Folleto Técnico nº 37. 1959. 23 p.
1564. MEDINA, J., CARNERO, M. y PALACIOS, G. H-412: maíz mejorado para la zona de Matamoros, Tamps. México. Instituto Nacional de Investigaciones Agrícolas. Circular Ciane nº 2. 1963. s.p.

1565. NEVE, J. et al. H-412 nuevo maíz híbrido para el Valle del Yaqui y otras regiones cálidas secas. Campo (México) 28(857):53-54, 56. 1963.
1566. _____, SIFUENTES, J. A. y SANCHEZ DURON, N. El maíz, su cultivo en el Valle del Yaqui. México. Secretaría de Agricultura y Ganadería. Circular CIANO nº 3. 1960. s.p.
1567. ORTEGA, B. Las operaciones de maíz y trigo. Campo (México) 27(842):6-8, 10, 12-14, 16-20, 22. 1962.
1568. RODRIGUEZ G., H. y LAIRD, J. Estudio preliminar de las posibilidades de fertilizar el maíz de temporal en México. Panagra (México) 1(23):32-39. 1963.
1569. WELLHAUSEN, E. J. El mejoramiento del maíz en México. Agricultura de las Américas 13(5):42-43, 50. 1964.
1570. _____ Siembras de maíz para la mesa central y zonas samilares. Campo (México) 29(865):51-58. 1964.

América del Sur
(South America)

Argentina, Bolivia, Brasil, Colombia, Chile, Perú, Venezuela

1571. CAMACHO GAMBA, R. R. Operación maíz. Revista Nacional de Agricultura (Colombia) nº 701:23-24. 1963.
1572. COSCIA, A. A. Posibilidades económicas de distintos tipos de maíces producidos en la Argentina. Pergamino. Estación Experimental Agropecuaria. Informe Técnico nº 8. 1962. 68 p.
1573. FRAGA, C. C. Situação dos cereais. Agricultura em São Paulo 7(2):25-30. 1960.
1574. HEINDRICH, E. Informaciones preliminares sobre el cultivo del maíz en el Brasil. In Reunión Latinoamericana de Fitotecnia, 5a., Buenos Aires, 1961. Actas. Buenos Aires, Instituto Nacional de Tecnología Agropecuaria, 1963. vol. II, pp. 251-252.

1575. HOYLE, P. C. Reglamentación del cultivo del maíz en los valles algodoneros. *Vida Agrícola (Perú)* 38(452): 396-400. 1961.
1576. PARKER VELEZ, I. et al. Consideraciones generales sobre el déficit de maíz en Chile. In *Reunión Latinoamericana de Fitotecnia, 4a.*, Santiago de Chile, nov- 24 - dic. 6, 1958. Actas. Santiago de Chile, Ministerio de Agricultura, 1961? pp. 287-288.
1577. Utilización de las primeras líneas puras chilenas de maíz. In *Reunión Latinoamericana de Fitotecnia, 4a.*, Santiago de Chile, nov. 24 - dic. 6, 1958. Actas. Santiago de Chile, Ministerio de Agricultura, 1961? p. 286.
1578. Comportamiento de los híbridos de maíz distribuidos para las zonas central y centro sur de Chile. In *Reunión Latinoamericana de Fitotecnia, 5a.*, Buenos Aires, 1961. Actas. Buenos Aires, Instituto Nacional de Tecnología Agropecuaria, 1963. vol. II, p. 260.
1579. RAMELLA, R. El maíz en la Argentina; la planta y su cultivo. Buenos Aires, Editorial Sudamericana, 1948. 219 p. (Enciclopedia Agropecuaria Argentina nº 33)
1580. RAMIREZ E., R. et al. Razas de maíz en Bolivia. Colombia, Ministerio de Agricultura, Oficina de Investigaciones Especiales, División de Investigaciones Agropecuarias. Boletín Técnico nº 9. 1961. 157 p.
- También en inglés con el título: Races of maize in Bolivia. U.S. National Academy of Science. National Research Council. Publication nº 747. 1960. 159 p.
1581. TEIXEIRA, E. F. Milho no Rio Grande do Sul. In Brasil, Rio Grande do Sul, Secretaria da Agricultura. Milho: origem, cultivo, colheitas, conservação, utilidade. Porto Alegre, 1959. pp. 9-14.
1582. VENEZUELA. DIRECCION DE ECONOMIA Y ESTADISTICA AGROPECUARIA. Estimación de cosechas 1961. Maíz mecanizado (Cosecha de invierno). Caracas, Ministerio de Agricultura y Cría, 1962. 12 p.
1583. VIEGAS, G. P. Alta produçao de milho obtida em São Paulo. Agronomico (Brasil) 12(7-8):35-36. 1960.
1584. ZAFFANELLA, M. J. R. Fertilización nitrogenada de maíz en la región de Pergamino; datos originales, campaña 1962-63. Con el complemento de atrazina como herbicida de preemergencia. IDIA (Argentina) nº 191:32-34. 1963.

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Reunión Centroamericana sobre Mejoramiento del Maíz, 8a., San
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- Reunión Centroamericana sobre Mejoramiento del Maíz, 9a., San
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