

Bibliografía



SISTEMAS DE
AGRICULTURA
TROPICAL

IICA



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3. Tesis de la Escuela para Graduados 1947-1968; resúmenes. 2 ed. rev. y ampl. 1969.
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INTRODUCCION

Hay preocupación mundial por la baja productividad de los cultivos alimenticios en el trópico americano. Esta baja productividad se atribuye a la falta de sistemas de producción adaptados a las condiciones ecológicas, a los cultivos y a las características del agricultor tropical.

Varias instituciones nacionales e internacionales han iniciado programas de investigación encaminados a desarrollar nuevos sistemas de agricultura que permitan ofrecer soluciones a las bajas producciones.

El Centro Agronómico Tropical de Investigación y Enseñanza (CATIE) en Turrialba, Costa Rica, ha iniciado un programa de investigación tendiente a desarrollar sistemas de producción agrícola para el trópico y por su parte el IICA, a través de su Programa IICA-Trópicos, promueve actividades similares en los países amazónicos.

En el proceso de planificación y desarrollo de los trabajos en este campo, se ha encontrado que hay escasez de información escrita bien identificada sobre este tema o que la que existe está muy dispersa. Por esta razón se vió la necesidad urgente de producir una bibliografía especializada sobre el tema de Sistemas de Agricultura Tropical.

La preparación de esta bibliografía se motivó también como una contribución a un Seminario Internacional sobre Sistemas de Producción Agrícola para el Trópico, que se realizará del 25 al 27 de febrero, en Turrialba, Costa Rica.

La labor de producción de esta bibliografía fue encomendada al IICA-CIDIA, Turrialba, Costa Rica, cuyo personal con asesoría de técnicos del Departamento de Cultivos y Suelos Tropicales del CATIE, ha realizado una excelente labor al preparar este valioso documento.

No fue fácil la organización de los temas ni la selección de los términos para definir algunas actividades específicas. Esto se debe a que esta rama de la agronomía tropical aún no se ha organizado como disciplina especializada, con una terminología propia y de aceptación general. Se usó hasta donde fue posible un criterio técnico, aunque hubo casos en que se tomaron decisiones de compromiso y de conveniencia para su definición. En estas bases, la bibliografía se ha ordenado bajo un esquema de clasificación amplio (véase Tabla de Contenido) que se complementa con índices detallados de especies y autores. Para facilitar un mayor acceso y uso de la literatura registrada, al final de las referencias bibliográficas se indica, mediante las abreviaturas FCA (Field Crop Abstracts) Trop. Abs. (Tropical Abstracts) y PA (Philippine Abstracts) fuentes donde el investigador puede encontrar resúmenes de los trabajos.

La producción de esta bibliografía fue posible gracias a los aportes económicos del Programa IICA-ROCAP a cargo de la Dirección Regional de la Zona Norte del IICA en Guatemala, el Programa IICA-Trópicos en Belén, Brasil y el CATIE.

El IICA-CIDIA encomendó la labor de búsqueda, organización y catalogación de la información a la señora Barbara Pinchinat, a quien se hace constar un reconocimiento especial por su eficiente y abnegada labor.

Con esta bibliografía los patrocinadores y el IICA-CIDIA ofrecen una contribución adicional hacia el mejoramiento de la agricultura tropical y por su medio hacia la mejora de las condiciones de vida del hombre rural del trópico.

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Jefe, Departamento de
Cultivos y Suelos Tropicales
CATIE - Turrialba, Costa Rica

11 de febrero de 1974

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(GENERAL)

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DUCKHAM, A. N. y MASEFIELD, G. B. *Farming systems of the world*. London, Chatto & Windus, 1970. 542 p. *Trop. Abs.* 27:3236.

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- LEHRER, P. L. *African agriculture in Kenya; a study of a changing system of subsistence farming*. Nigerian Geographical Journal 7(1):24-33. 1964. FCA 19:1859. (16)
- MORGAN REES, A. M. y HOWARD, R. H. *An economic survey of commercial African farming among the Sela of the Mumbwa district of Northern Rhodesia*. Agricultural Bulletin. Department of Agriculture, Northern Rhodesia 10:1-68. 1955. Trop. Abs. 11:2875.
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ACTIVITE DE L'I.R.C.T. (Institut de Recherches du Coton et des Textiles Exotiques) en 1964-1965. Coton et Fibres Tropicales 21(1):1-172. 1966.

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- ANGELINI, A. The association maize/cotton or groundnut/cotton in Ivory Coast. (En français). *Coton et Fibres Tropicales* 18(3):273-280. 1963. FCA 17:1631. (213)
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- ARANGZEB, S. N. H. Inter-cropping of comilla cotton. *Pakistan Cottons* 10(4):172-176. 1966. FCA 20:1177. (216)
- BAINGOLEA, G. O. El sembrío de maíz y la fauna benéfica del algodonerero. Lima. Estación Experimental Agrícola "La Molina". Informe no. 104. 1957. 19 p. FCA 11:284.
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- CABRAL, A. L. A propos du cycle cultural arachide-mil en Guinée Portugaise. *Bulletin Agronomique du Ministère de la France d'Outre Mer* 12:171-174. 1955. FCA 9:927
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- CHATTOPADHYAY, S. Production problems of arid regions-Bellary tract. Indian Journal of Agronomy 12(3):215-221. 1967. FCA 22:738.
- Gram intercropped with cotton. (228)
- CONGO BELGE. INSTITUT NATIONAL POUR L'ETUDE AGRICOLE. Rapport annuel pour l'exercice 1951. Gembloux, 1952. 436 p. FCA 6:1197-21.
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- _____. Progress reports from experiment stations, season 1960-1961, Nyasaland. s.l., 1962. 13 p. *Trop. Abs.* 17:2553.
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PILLAI, M. R. et al. Mixed cropping trials with ragi, cotton and groundnut.
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Monetary returns estimated. (297)

PRABHAKARA REDDY, G. et al. Mixed cropping in castor. Indian Oilseeds
Journal 9(4):310-316. 1965. Trop. Abs. 21:1866. (298)

RANGA RAO, D. S. et al. An account of cotton cultivation practices in the
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Indian Cotton Growing Review 11(3):257-274. 1957. FCA 11:737.

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cropping for Guntur tract. Indian Cotton Growing Review 15(5):318-321.
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Catch cropping on the ridges with sweet-potatoes or groundnuts and yield
of rice. (302)

RICHARD, L. Essais d'amélioration de Gossypium punctatum au Soudan. Coton
et Fibres Tropicales 8(1):149-159. 1953. FCA 7:576.

G. punctatum is grown by natives intercropped with sorghum. (303)

ROBERTSON, W. R. The use of grain sorghum as a nurse crop. Rhodesia Agri-
cultural Journal 62(6):108, 112. 1965. Trop. Abs. 21:867.

For Rhodes grass (Chloris guyana) pasture establishment. (304)

ROMERO ROSALES, F. Observaciones preliminares de rendimiento e incidencia
de plagas en maíz y frijol asociados en Chapingo, México. Tesis.
Chapingo, México, Escuela Superior de Agricultura, 1964. 49 p.

(305)

ROY, S. K., SARAN, S. y DAS, N. C. Interculture in transplanted rice
(Oriza sativa L.). Indian Journal of Agricultural Science 40(8):697-
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SARAN, A. B. y RICHHARIA, R. H. Mixed crop of paddy. Proceedings of the Bihar Academy of Agricultural Sciences 5:148-151. 1956.

Mixed cultivation of Aus and Aman paddies. (308)

SCHILLING, R. L'arachide en cultures associées avec les céréales. Oléagineux 20(11):673-676. 1965. Trop. Abs. 21:813. (309)

SCOTT, W. C. y PATTERSON, F. L. Grain sorghum as a companion crop for alfalfa. Agronomy Journal 54(3):253-256. 1962. FCA 16:669. (310)

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Mixed cropping of cotton and rice or double cropping with rice and gram dependently on atmospheric humidity. (311)

SENEGAL. SERVICE DE L'AGRICULTURE. Mémoire concernant les mesures prises ou à prendre pour conserver aux terres à arachide leur potentiel de fertilité. Bulletin Agricole du Congo Belge 40:1557-1561. 1949. FCA 3:1123.

Millet intercropped with cow-peas and groundnuts. (312)

SESHADRI, C. R. et al. Groundnut-mixed cropping experiment. Madras Agricultural Journal 43(10):496-504. 1956. FCA 10:569.

Intercrops: castor (Ricinus communis), cholam (Sorghum sp.), cotton, redgram (Cajanus indicus), tenai (Setaria italica), or cumbu (Pennisetum typhoides). (313)

SHAIKH, A. M. et al. Mixed cropping of cotton in sind. III. Pakistan Cottons 1(12):1-24; 3(3):29-38. 1957, 1959. FCA 11:714. (314)

SIMMONS, K. V. Establishment of legumes sown with rice. Agricultural Gazette of New South Wales 68(4):198-199, 217. 1957. (315)

SIMON F., J. E. Sementeira de milho intercalado nos algodoads. Fazenda (N.Y.) 50(6):24.1955. (316)

SINGH, R. D. y CHAND, P. Intercropping of maize with forage legumes. Indian Journal of Agronomy 14(1):67-70. 1969. FCA 24:267. (317)

SINGH, S. D. et al. Fodder production of sorghum in association with different legumes under different levels of nitrogen. Indian Journal of Agricultural Science 41(2):117-176. 1971. Trop. Abs. 27:1136.

Cowpea, clusterbean, and green-gram. (318)

SPENCER, F. M. y RUSSELL, I. Intercropping. In Tanganyika. Department of Agriculture. Report 1957. Dar-es-Salaam, 1958. v.2, pp. 7-8, 55-56. FCA 12:1584.

Maize/groundnuts, groundnuts/sorghum; varying ratios of plant population; economic return per ac. included. (319)

SUNG, C. H. y WU, I. K. Effects of interplanting tobacco in rice on characters of rice. (En japonés). In Taiwan Tobacco and Wine Monopol Bureau. Report for 1966. s.l., 1966. pp. 45-50. FCA 21:190.

Rice varieties for growing with tobacco. (320)

TANGANYIKA. DEPARTMENT OF AGRICULTURE. Annual report for 1956. II. Dar-es-Salaam, 1958. 106 p. FCA 11:1685.

Cotton interplanted (with maize or sorghum) pp. 40-58? (321)

TARDIEU, M. Improvements in cowpea cultivation are needed. (En francés). Agronomie Tropicale (Francia) 16(4):387-392. 1961. FCA 16:189.

Cowpeas are widely grown in W. Africa in association with millet; cassava is suggested as an alternative intercrop. (322)

TOURTE, R. y FAUCHE, J. Recherches pluriannuelles sur les densités de semis et les écartements des mils (Pennisetum) et sorghos. Bulletin Agronomique. Ministère de la France d'Outre Mer 15:58-66. 1957. FCA 11:1467.

Includes intercropping. (323)

TRY THIS three-crop combination. Coffee and Cacao Journal 8(8):156. 1965. (324)

TUBAL, E. J. A study on the growth and yield of popcorn when intercropped with peanut. Thesis B. S. Victoneta Park, Rizal, Araneta University, Institute of Agriculture, 1964. 19 p. PA 5:436. (325)

VARMA, M. P. y KANKE, M. S. S. R. Selection of intercrops for cotton in India. Experimental Agriculture 5(3):223-230. 1969. FCA 23:1518.

Maize, rice, Eleusine coracana, groundnuts, Phaseolus mungo. (326)

VELASQUEZ, L. J. Modalidades sobre el cultivo de algodón en las zonas de Santander y Boyacá. Boletín Divulgación (Colombia) no. 5:3-5. 1958. FCA 12:1421.

Cotton intercropped with maize, cassava and others. (327)

VERMA, S. S. y SAHASRABUDHE, V. B. Maximum utilization of land through cropping and its economics (kharif series). Vikram 4(1):21-31. 1960. FCA 15:1117.

Sorghum and cotton in mixed culture with Cajanus cajan, Phaseolus radiatus, Phaseolus mungo or Arachis hypogaea. (328)

WILKEN, G. C. Drained-field agriculture; an intensive farming system in Tlaxcala, Mexico. *Geographical Review* 59(2):215-241. 1969. FCA 23: 802.

Includes maize interplanted with beans (Phaseolus vulgaris or P. coccineus). (329)

Perennes con Anuales
(Perennials with Annuals)

ABADILLA, D. C. Planting rice under coconuts will increase yield of both. *Rural News (Philippines)* 1964:8. Feb. 1964. PA 5:319. (330)

ALLEN, E. F. Cultivating other crops with rubber. *Planters' Bulletin of the Rubber Research Institute of Malaya (New Series)* no. 16:10-21. 1955. (331)

_____. Mixed farming and intercropping. *Planters' Bulletin, Rubber Research Institute of Malaya* no. 17:38-41. 1955. Trop. Abs. 10:1618

Mixed cropping: perennial x annual. (332)

BAINS, S. S., DAYANAND y SINGH, K. N. A note on relative performance of different intercrops in sugarcane. *Indian Journal of Agronomy* 15(1):86. 1970. FCA 24:2254.

Phaseolus radiatus, P. mungo, cowpeas, marha. (333)

BAJWA, B. S. y JAWANDA, J. S. Intercropping orchards in the Punjab. *Indian Journal of Horticulture* 11(1):13-15. 1954. (334)

BANGHAM, W. N. Hule y maíz; una excelente combinación para los trópicos americanos. Trad. del inglés por Hernán Echeverri Iglesias. In *Conferencia Interamericana de Agricultura*, 3a, Caracas, Venezuela, 1946. Cuadernos verdes. Caracas, Venezuela, Elite, 1946. 21 p. (Serie Internacional no. 7). FCA 1:1006; (335)

BLENCOWE, J. W. Castor; a prospective intercrop in Malayan plantations. In *Malaysian Oil Palm Conference*, 2nd, Kuala Lumpur, 1968. Progress in oil palm. s.l., s.e., 1969. pp. 238-251. Trop. Abs. 25:1596. (336)

BRICOLLE, C. F. Le cocotier sur les terres de mangrove au Cambodge. *Oleagineux* 24(10):545-549. 1969. Trop. Abs. 25:2125.

The costs (of establishment) can be covered for the greater part by growing food crops before and in the first few years after planting. (337)

BUMPUS, E. D. Grass seed production on sisal estates. *Kenya Sisal Board Bulletin* 37:34-36. 1961. Trop. Abs. 16:2786.

The seed production can be fitted in either immediately after old sisal has been cleared or between the rows of newly planted sisal. (338)

- CARVALHO, M. DE. O algodão como cultura intercalar do sisal. Revista Agrícola, Moçambique 11(108):7-8. 1969. Trop. Abs. 25:861. (339)
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Café véase *Coffea spp.*

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Papaya véase *Carica papaya*

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purpureum

Pasto Pangola véase *Digitaria*

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Pasto Rhodes véase *Chloris gayana*

Pejibaye véase *Guilielma gasipaes*

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Pisum sativum

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Ramio véase *Boehmeria nivea*

Repollo véase *Brassica oleracea*

Ricinus communis

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Saccharum officinarum

226, 227, 231, 274, 340-343, 346, 361,
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1057, 1058, 1068-1071, 1079, 1113, 1126,
1146, 1251, 1257, 1272, 1278, 1313, 1335,
1347

Sandfa véase *Citrullus lanatus*

Sesamum indicum

253, 294, 376, 834, 848, 864, 871, 965,
967, 1032, 1156

Sesbania spp.

1142

Setaria italica

313

Sisal véase *Agave sisalana*

Solanum tuberosum

278

Sorghum dochne

922

Sorghum vulgare

210-212, 221, 223, 229, 231, 238, 241,
251, 254, 258-261, 266, 284, 290, 291,
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974, 979, 989, 996, 998, 999, 1009, 1015,
1020, 1024, 1030, 1031, 1043, 1044, 1092,
1119, 1128, 1133, 1141, 1156, 1241, 1273,
1334

Sorgo véase *Sorghum vulgare*

Andropogon sorghum

Soya véase *Glycine soja*

Stizolobium deeringianum

260, 376, 736, 1153

Stylosanthes gracilis

1217

Tabaco véase *Nicotiana tabaccum*

Taro véase *Colocasia esculenta*

Té véase *Camellia sinensis*

Tepari véase *Phaseolus acutifolius*

Tephrosia purpurea

1142

Theobroma cacao

348, 383, 399, 401-403, 405-407, 410,
411, 413, 415-417, 419-423, 431, 432,
434, 435, 437, 722, 1085, 1168, 1305

Tomate véase *Lycopersicon esculentum*

Trifolium alexandrinum

265, 296, 769, 841, 969, 971, 985, 991,
1082, 1370

Trigo véase *Triticum* spp.

Triticum spp.

914, 942, 966, 974, 1105, 1135, 1299,
1330

Tung véase *Aleurites* spp.

Urena lobata

37

Vainilla véase *Vanilla planifolia*

Vanilla planifolia

416

Vigna sesquipedalis

220

Vigna sinensis

233, 244, 259, 287-289, 300, 312, 318,
322, 333, 347, 387, 524, 658, 801, 841,
864, 867, 881, 911, 1007, 1132, 1338

Yuca véase *Manihot esculenta*

Yute véase *Corchorus* spp.

Zapallo véase *Cucurbita* spp.

Zea mays

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1367, 1372, 1373

Zingiber officinale

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ESTA OBRA SE TERMINO DE IMPRIMIR
EL VEINTISIETE DE FEBRERO DE MIL
NOVECIENTOS SETENTA Y CUATRO,
EN LA IMPRENTA DEL IICA/CIDIA.

SE HIZO UN TIRAJE DE
2.000 EJEMPLARES

FECHA DE DEVOLUCION

1 5 Dic 1981			

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mas de agricultura tropi-
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Autor _____

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