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INTER-AMERICAN INSTITUTE FOR COOPERATION ON AGRICULTURE  
- IICA OFFICE IN TRINIDAD AND TOBAGO

✓ ANNUAL REPORT OF THE IICA OFFICE  
IN TRINIDAD AND TOBAGO  
FOR 1985

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**IICA**

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PORT-OF-SPAIN, TRINIDAD & TOBAGO

## ANNUAL REPORT OF THE IICA OFFICE IN TRINIDAD AND TOBAGO

OP-7

## I. GENERAL INFORMATION

- 1.1 Name of Unit: IICA Office in Trinidad and Tobago
- 1.2 Fiscal Year: 1985
- 1.3 Date of Report: 28 November, 1985
- 1.4 Director of the National Office: Chelston W.D. Brathwaite

## II. OFFICIAL RELATIONS

2.1 Assessment of the state of the relations between the National Office and the agricultural sector's institutions with respect to the activities conducted by IICA during the year:

The IICA Office in Trinidad and Tobago continued in 1985 to maintain cordial and effective relations with the agricultural sector agencies and institutions in Trinidad and Tobago. These relations were strengthened by the following activities carried out during the year.

- a. Provision of technical cooperation services to the Ministry of Agriculture, Lands and Food Production
- b. Training of local personnel of various institutions
- c. IICA's participation in seminars and workshops organized by agricultural sector institutions
- d. Utilisation of Agricultural Sector institutions in IICA's work and training programmes.

2.2 Assessment of the state of relations with international agencies and the status of bilateral arrangements, technical and financial cooperation, in which the Operative Unit has collaborated during the fiscal year:

The IICA Office in Trinidad and Tobago continued to maintain cordial relations with offices of international agencies resident in Trinidad and Tobago. These include:

- a. The Economic Commission for Latin America and the Caribbean (ECLAC)
- b. The Organization of American States (OAS)
- c. The Pan American Health Organization (PAHO)
- d. The United Nations Development Program (UNDP)
- e. The Inter-American Development Bank (IDB) and
- f. The European Economic Community (EEC)

The Unit also maintains cordial relations with embassies and High Commissions accredited to Trinidad and Tobago.

2.3 Principal entities and authorities of the agricultural sector of the country and international organizations with which the Operative Unit has established and maintained official relations of technical cooperation:

The Office maintained official relations with

- a. The Ministry of Agriculture, Lands and Food Production
- b. The Food and Agriculture Corporation
- c. The Caribbean Agricultural Research and Development Institute
- d. The Caribbean Industrial Research Institute.
- e. The Faculty of Agriculture of the University of the West Indies
- f. The Caribbean Food Corporation
- g. Caroni (1975) Limited

2.4 Legal instruments (Agreements, Conventions, Contracts, Letters and Memorandum of Understanding) formalized with other agencies, national and international, during the year:

No legal instruments were signed with local agencies during the year.

2.5 Status of Country's Quota contributions to the Institute and External Resources provided by National or International agencies towards actions of technical cooperation of the Unit to the 31st December.

Trinidad and Tobago is still owing quota payments for 1984 and 1985. This has been brought to the attention of the authorities.

### III. DIRECT TECHNICAL COOPERATION SERVICES

#### 3.1 Synthesis of the problems of the agricultural sector in terms of the areas of priority for the action of IICA:

The Agricultural Sector of Trinidad and Tobago continues to show an unsatisfactory performance in spite of generous subsidies and capital investments. The food import bill increased from TT\$250.3 million in 1975 to \$904.6 million in 1982. During the last year, however, there has been some increase in local food production and it has been reported that there has been a drop in the food import bill by some TT\$40 million. These improvements have been mainly in the areas of fruits, vegetables, fish and milk production. The diversification programmes of Caroni (1975) Limited have led to the increase in the production of rice and there are plans to increase production of citrus coffee and beef in 1986. With increasing difficulty being faced by the petroleum sector the down turn in the domestic economy continues. In his Budget Speech, the Prime Minister reiterated the agricultural policy of the government for 1985 which includes:

1. Redirection of resources previously used for export crops to local food production
2. Discontinuation of production subsidies
3. Development of production contracts with farmers for the production of selected crops.
4. Production of sugar for local consumption only.

Priority areas identified in which IICA can play a significant role are:

- a. Diversification of Caroni Lands from sugarcane into food crops
- b. Rehabilitation of the citrus and cocoa industries and improvement in the domestic marketing of food crops.

In addition, IICA's current actions in Agricultural Information and Plant Protection should be continued to support the broad agricultural diversification efforts of the Ministry.

#### 3.2 Synthesis of the actions of technical cooperation realized by the Operative Unit in terms of its contribution towards solving the central problems in the priority areas identified with the country's authorities:

During 1985, the IICA Office in Trinidad and Tobago cooperated with the Ministry of Agriculture, Lands and Food Production in three projects and two conjunctural activities aimed at attacking priority problem areas in the agricultural sector. These included the programme areas:

1. Plant Protection
2. Agricultural Information
3. Tree Crop Rehabilitation
4. Marketing

1. Plant Protection: The Regional Plant Protection Project for the Caribbean is sited in the IICA office. During 1985, the project collaborated with the Ministry of Agriculture in plant quarantine training, preparation of course in post-harvest losses and training on fruit pests. Information was also supplied in the Caribbean Plant Protection Newsletter.
2. Agricultural Information: Training of library staff of the Ministry of Agriculture in data input preparation, organization of the collections of the Forestry and Fisheries libraries and initiation of a national agricultural bibliography were the main contributions of this project in 1985.
3. Tree Crop Rehabilitation: This project seeks to assist in the rehabilitation of the tree crop sector. During 1985, a seminar was held to introduce farmers to the new technology of mechanization in tree crops and additional equipment was obtained to effect the mechanical spraying of cocoa for pest control. This project is being carried out in collaboration with the Faculty of Agriculture of the University of the West Indies.
4. Marketing: The Ministry of Agriculture requested IICA assistance in the establishment of a marketing system for food crops. A team of specialists from IICA visited Trinidad and Tobago in August, 1985 and prepared a project document entitled "Proposals for the improvement of the domestic marketing of fruits and vegetables in Trinidad and Tobago". The report has been submitted to the Ministry and action is contemplated soon.

### 3.3 Quantification of the Direct Beneficiaries of the activities of IICA in the country:

Ministry of Agriculture - 500 persons from Ministries of Agriculture participated in IICA actions during the year.

### 3.4 Published documents and other documentation completed by the Unit during the year:

1. Proposals for the improvement of the domestic marketing of fruits and vegetables in Trinidad and Tobago. IICA Office in Trinidad and Tobago. October, 1985. 62pp.

2. Report of the Fourth Meeting of Heads of Plant Protection of IICA member states held at Bridgetown, Barbados.
3. Caribbean Plant Protection Newsletter Fifth Edition, June 1985.
4. IICA's Plant Protection Programme for the Caribbean - a case of technical cooperation in Agricultural Development assistance (Paper presented at 68th Annual meeting of Florida Entomological Society)
  - a. "Data Base of Scientific and Technical Documents produced by the Ministry of Agriculture, Lands and Food Production, guidelines for input preparation"
  - b. "Project Proposal for the Design and Implementation of a System for Strengthening the Flow of Agricultural Information in the Caribbean Area. Phase One: Integrated Information System for Plant Protection"
  - c. "Proposal for the Development of an Integrated Information System for the Agricultural Sector in Suriname" (Project profile)
  - d. "Cooperative Project for the Strengthening of the Operative Capacity of the Library of the Ministry of Agriculture of Suriname" (proposal)
  - e. "Proyecto Cooperativo para el Establecimiento de un Centro de Documentacione Informacion sobre Recursos Hidraulicos en Republica Dominicana" (propuesta)
  - f. "Proposal for Building a Data Base of Documents on Plant Diseases and Pests in the Caribbean"

3.5 Code and Title of the technical cooperation activities finalized during the year and those that are scheduled to continue during the next fiscal year:

1. A2852T1K02200: Establishment of a National Agricultural Bibliographic Information System for Trinidad and Tobago
2. A2852T1B01100: Research and Technical Collaboration with Regional Caribbean Agricultural Organizations.
3. A2852T1E01200: Plant Protection Programme for the Caribbean Region.
4. A2852T1F01100: Technical Assistance to Develop a Cocoa Rehabilitation Project for Trinidad and Tobago.

5. A2852T1P01100: Technical Cooperation with the Ministry of Agriculture, Lands and Food Production for the improvement in the Marketing of food crops in Trinidad and Tobago.

For 1986, the projects listed at 1 and 3 above are expected to continue. The projects listed at 2 and 4 will be terminated this year. It is hoped that funds will be provided to continue the conjunctural activity listed at 5. A new project entitled "Research on Hill Side Farming Systems in the Caribbean" will be implemented from this office in 1986 and replaced the projects listed at 2 and 4 above.

3.6 Future actions of IICA in the Country. General perspectives for new projects:

The action initiated by IICA in food crop marketing need to be followed up as the Ministry is keen on having IICA's assistance in this area on a long term basis.

V. ADMINISTRATION OF THE RESOURCES OF THE OPERATIVE UNIT

4.1 Problems encountered during the execution of the Operations Program in the administration of Resources - personal, physical and financial and specific recommendations for the following fiscal year:

- a. Small sums of money allocated in operations limited the ability of the office to provide the needed technical assistance.
- b. Non-implementation of the salary for general services personnel has resulted in poor personnel relations in the office.
- c. The increasing cost of postage and communications in Trinidad and Tobago makes it necessary to propose increase in operative in these areas for 1986.

4.2 Consultants contracted by the Operative Unit during the fiscal year. Identify by Name, Nationality, Duration, Specialization and Results obtained.

No consultants were contracted during the year.

4.3 Financial Resources utilized by the Operative Unit during the fiscal year (to November 30th):

Operations

(Estimated to November 30th)

	Requested US\$	Received US\$	Expended US\$
DIRECTIVE FUNCTION:			
A2852T2M01100 - Quotas	32 929	32 929	32 929
DIRECT TECHNICAL COOPERATION SERVICES:			
A2852T1K02200 - Quotas	6 923	6 923	6 923
A2852T1B01100 - Quotas	5 389	5 389	5 389
A2852T1E01200 - Quotas	35 728	35 728	35 728
TOTAL US\$	80 969	80 969	80 969
<u>Personnel</u> (Estimated to December 31st)			
A2852T2M01100 - Quotas	52 453	52 453	52 453
A2852T1B01100 - Quotas	68 695	68 695	68 695
A2852T1E01200 - Quotas	55 668	55 668	55 668
A2852T1K01100 - Quotas	71 597	71 597	71 597
TOTAL US\$	248 413	248 413	248 413
G R A N D T O T A L	329 382	329 382	329 382



RESEARCH AND TECHNICAL COLLABORATION

WITH REGIONAL CARIBBEAN

AGRICULTURAL ORGANIZATIONS

A2852T1B01100

ANNUAL REPORT 1985

## ANNUAL REPORT OF PROJECT (OP-6)

## I. GENERAL INFORMATION

- 1.1 Project's Code: A2852T1B01100
- 1.2 Title of Project: Research and Technical Collaboration with Regional Caribbean Agricultural Organizations
- 1.3 Fiscal Year: 1985
- 1.4 Date of Report: 5 December, 1985
- 1.5 Name of Responsible Head of Project: Warren Forsythe

## II. PROGRESS MADE BY THE PROJECT DURING THE FISCAL YEAR

- 2.1 Contribution of the Results of the Year to the achievements of the Intermediate Objectives or Final Products of the Project. List concrete results, in relation to the Indicators and Steps of the Intermediate Objectives:

CARDI organized and hosted the 1985 CFCS Meeting in Trinidad. The Agricultural Research Specialist participated in organizing Committee which met at CARDI Headquarters and attended the 1985 CFCS Meeting in Trinidad on September 8 to 13, 1985. The Agricultural Research Specialist attended a CARDI/CTA Seminar held at CARDI on December 3-6, 1985 and entitled "Strengthening of Agricultural Research in the Caribbean". The role of CARDI and its relationship with international agencies was discussed. The Agricultural Research Specialist prepared a bibliographic classification scheme and guide and a list of sources. Meetings were held with Miss Marilyn Drayton, Librarian at the Central Experiment Station in May 1985. After project funds were unfrozen by cable 1548 of the Director General on September 11, 1985, another meeting with Miss Drayton, Mrs. Denyse Johnson of the ECIAF Library and Hugo Caceres (IICA-Trinidad and Tobago) was held. Mrs. Denyse Johnson signed a contract in October, 1985 to compile, classify and index references for the bibliography "Soil and Water Resources and Management in the Caribbean" from 1920 - 1985. The work is scheduled to terminate on February 15, 1986.

In response to the Director General's memo OC/DG-106 of January 17, 1985, which requested the development of national projects in Trinidad and Tobago, the Agricultural Research Specialist visited Cheryl Gonsalves, Cocoa Agronomist at the Central Experiment Station and R. Burgess of

2.2 Institutional Relations and Concertation-Groups and Key Persons that participated in the operations of the Project, specifying the nature of the involvement:

CARDI organized the 1985 CFCS meeting with Dr. St. Claire Ford as president of the organizing committee. The IICA Agricultural Research Specialist, Warren Forsythe was a member of the committee. CARDI organized a seminar on agricultural research in the Caribbean. Dr. Ralph Phelps, of CARDI was the coordinator of the meeting. The Agricultural Research Specialist participated in the meeting.

Mrs. Denyse Johnson of the ECIAF Library was contracted to compile, classify and index references for the bibliography "Soil and Water Resources and Management in the Caribbean". She received consulting support from Warren Forsythe and Hugo Caceres, Information Specialist.

Warren Forsythe met with Cheryl Gonsalves, Cocoa Agronomist at the Central Experiment Station, R. Burgess of the Tree Crops Section on February 14 and 26, 1985 and Chelston Brathwaite and Warren Forsythe of IICA-Trinidad and Tobago met with Lance Louis of the MALFP and Head of the Cocoa Rehabilitation Committee, Cheryl Gonsalves and Dr. Winston Harvey, Professor of Agricultural Engineering of the Crop Science Department of the Faculty of Agriculture of UWI, to draft a project "Rehabilitation and development of tree crop production in Trinidad and Tobago"

Warren Forsythe visited the IICA Offices in St. Lucia, Dominica, Grenada, Barbados and Jamaica in relation a situation study to prepare a project "Research on hillside farming systems in the Caribbean". During November 17 to December 2, 1985 he spoke with Colin Paul, Coordinator of Plant Propagation of the Ministry of Agriculture and David Jackson of the British Development Tree Crop Project in St. Lucia; Urban Martin of IICA, Frank Schneider of Coconut Expansion Project, Derrick Zamore, Coffee Agronomist of the the Ministry of Agriculture, Collin Bully, Director of Agriculture of the Ministry of Agriculture, John McIntyre Tree Crop Specialist of the Ministry of Agriculture in Dominica; Cosmos Joseph of IICA, Mr. Dennis Noel, Permanent Secretary of the Ministry of Agriculture, Mr. C. Borris, Tree Crop Specialist of the Ministry of Agriculture in Grenada; Rafael Marte of IICA, S. Skeete of the Ministry of Agriculture, Scotland District Project in Barbados; Vivian Chin and C. McDonald of IICA, Mr. Feitz Shaw, General Manager of the Cocoa Industry Board, Dr. D. McLoed, Director of Research and Development, Calvin Cotrell, Dep. Director of Forestry, Dr. Henry Lowe Executive Director of the Ministry of Agriculture, Mr. George McPherson, General Manager of the Coffee Industry Development Company, Mr. Eric Strachan, President of the Jamaica Livestock Association and Citrus Farmers, Mr. James Wallace, Secretary of the Jamaica Agricultural Society (JAS) Mr. Evon Brodber, Marketing Consultant of the JAS in Jamaica.

Chelston Brathwaite and Warren Forsythe met with Dr. Thomas Carr, Director of Research of Caroni (1975) Limited on March 12, 1985 and as a result the consulting visit of Marc Berthouly of PROMECAFE to Trinidad occurred during October 13 to 20, 1985. Dr. Warren Forsythe accompanied Marc Berthouly on his consulting visit.

Chelston Brathwaite and Warren Forsythe attended a follow-up meeting on February 25, 1985 in Trinidad. This meeting followed a Director of Agricultural Research Meeting sponsored by ECLA in Jamaica on December 3 - 7, 1984. During the follow-up meeting it was recommended that IICA be requested to be the administrative agency for a proposed Caribbean Cooperative Research Programme. The candidacy of IICA as administrative agency was presented by Warren Forsythe at the Directors of Research Meeting in Jamaica.

2.3 Quantification of the Direct Beneficiaries of the Project and indication of the Indirect Beneficiaries:

Direct Beneficiaries - 282

Indirect Beneficiaries: Caribbean Agricultural Research and Development Institute (CARDI), UWI, IICA-San Jose, Promecafe, Caribbean Food Crops Society, ECLA, MALFP, Caroni (1975) Limited, IICA-St. Lucia, IICA-Dominica, IICA-Grenada, IICA-Jamaica.

2.4 List Publications and other documents generated by the project during the year:

1. Bibliographic classification scheme and guide for the bibliography "Soil and Water Resources and Management in the Caribbean"
2. Review of a paper submitted to be published in "Agronomia Costarricense". Review by the Agricultural Research Specialist of the paper "Compactacion de un suelo aluvial de origen volcanico por trafico de personas".
3. Project proposal document "Rehabilitation and development of tree crop production in Trinidad and Tobago" 12pp.
4. Project proposal document "Research on hillside farming systems in the Caribbean"

2.5 List Courses, Technical Meetings, Conferences, Official Seminars organized by the Project, indicating Title of Course, Place and Date, Number and Occupation of participants and Results obtained:

Participation in the CARDI organizing committee of the 1985 CFCS Meetings held in Trinidad on September 8 to 13, 1985. There were 300 participants.

2.6 Relations with Training events and the assistance provided by the Project's specialist:

NONE

2.7 Financial Resources utilized for the Project during the year:

Activity Code	Budgeted for the year US\$	Expended to 30 Nov. US\$	Accumulated Exps. to 31st Dec. US\$	Balance at the 31st Dec. US\$
A2852T1B01101 - Quotas	3 900	2 464.71	3 900	-
A2852T1B01102 - Quotas	3 400	1 267.58	3 400	-
A2852T1B01103 - Quotas	1 600	1 600	1 600	-
Payment by Caroni of TT\$5000.00 102.40NC25172-8	2 083	197.94	2 083	-
TOTAL US\$	10 983	5 530.23	10 983	-

2.8 Problems encountered during the execution of the Project and Recommendations for the following fiscal year:

Following the request of memo OC/OP-332 of May 22, 1985, a third operative programme was made (re: AC/TT-288 of June 7, 1985) and delivered to IICA Headquarters on June 12, 1985. The third operative was not approved until September 11, 1985 by cable 1548 from the Director General. This has caused delays in signing a contract to prepare the bibliography, plan a visit to St. Lucia, Grenada, Dominica, Barbados and Jamaica and subsequently prepared the project document "Research on hillside farming systems in the Caribbean".

2.9 General Perspective for the Project:

This project will be closed on 31 December, 1985. It will be substituted by a new project in Program VI entitled "Research on hillside farming systems in the Caribbean".

PLANT PROTECTION PROGRAMME

FOR THE CARIBBEAN

A2852T1E001200

ANNUAL REPORT, 1985

## ANNUAL REPORT OF PROJECT (OP-6)

## I. GENERAL INFORMATION

- 1.1 Project's Code: A2852T1E01200
- 1.2 Title of Project: Plant Protection Programme for the Caribbean Region
- 1.3 Fiscal Year: 1985
- 1.4 Date of Report: 21 November, 1985
- 1.5 Name of Responsible Head of Project: Chelston W.D. Brathwaite

## II. PROGRESS MADE BY THE PROJECT DURING THE FISCAL YEAR

- 2.1 Contribution of the Results of the Year to the achievements of the Intermediate Objectives or Final Products of the Project. List concrete results, in relation to the Indicators and Steps of the Intermediate Objectives.
- a. An officer of the Ministry of Agriculture in Barbados was trained in the diagnosis of pests and diseases of cocoa.
  - b. Arrangements were made for the safe movement of cocoa germplasm from Ecuador to Barbados.
  - c. The fifth edition of the Caribbean Plant Protection Newsletter was prepared and 450 copies were distributed in the Caribbean.
  - d. A seminar on the diagnosis of plant pests and diseases was held in Barbados.
  - e. Proceedings of the fourth meeting of Heads of Plant Protection in the Caribbean was edited and distributed.
  - f. An officer of the Ministry of Agriculture in Trinidad and Tobago was trained in Acarology at Ohio State University.

- g. Lectures and papers on the Plant Protection Programmes were given at the University of the West Indies, the 17th Annual Meeting of the Organization of Tropical American Nematologists, the 68th Annual Meeting of Florida Entomological Society, the 21st Annual Meeting of the Caribbean Food Crops Society and the 9th Annual Meeting of the North American Plant Protection Organization.
- h. Assistance was provided to Jamaica in restructuring their plant quarantine systems.
- i. A seminar on pests and diseases as constraints to the production and marketing of fruits in the Caribbean was held in Barbados from October 30th to November 3rd. Some forty participants from throughout the region attended.
- j. The Fourth Hemispheric Meeting of the Plant Protection Directors of Latin America and the Caribbean was held in Guatemala City from November 11th to 15th, 1985, the Regional Specialist coordinated the Caribbean participation in the meeting.
- k. The Specialist represented IICA at a meeting on Plant Quarantine Training held in San Juan, Puerto Rico from December 2nd to 6th, 1985 and presented a lecture on "Diseases of Plant Quarantine importance in the Caribbean".

2.2 Institutional Relations and Concertation-Groups and key Persons that participated in the operations of the Project, specifying the nature of the involvement:

The project cooperated with the following institutions, groups and persons in 1985.

- a. The University of the West Indies, Faculty of Agriculture -  
Dr. Gene V. Pollard and Dr. Fritz Elango contribution to seminar
- b. The Caribbean Agricultural Research and Development Institute (CARDI)  
Dr. Ralph Phelps and Dr. Samsundar Parasram - contribution to seminar
- c. The Caribbean Industrial Research Institute (CARIRI) -  
Mrs. Ena Harvey - contribution to seminar
- d. The Food and Agriculture Organization of the United Nations -  
Mr. Charles Schotman - cooperation in seminar
- e. Plant Protection personnel of Ministries of Agriculture in Barbados, Grenada, Suriname, Trinidad and Tobago, St. Lucia, Dominica, Haiti, Guyana - recipients of training.



- f. IICA offices in the Caribbean cooperate in facilitating training activities and the transfer of information from the regional programme to nationals in the countries.

2.3 Quantification of the Direct Beneficiaries of the Project and indication of the Indirect Beneficiaries:

<u>Direct beneficiaries</u>	<u>No. of persons trained</u>
Ministries of Agriculture	100
Private Sector Organization	-
University	-
Others	-

Indirect beneficiaries

Participants from the Ministries of Agriculture, Caribbean Agricultural Research and Development Institute and other institution of the agricultural sector.

2.4 List Publications and other documents generated by the Project during the year:

1. Report of the Fourth Heads of Plant Protection meeting.
2. Caribbean Plant Protection Newsletter Fifth Edition, June 1985
3. IICA'S Plant Protection Programme in the Caribbean - a case of Technical cooperation in Agricultural development assistance (presented at the 68th Annual Meeting of Florida Entomological Society).

2.5 List Courses, Technical Meetings, Conferences, Official Seminars organized by the Project, indicating Title of Course, Place and Date, Number and Occupation of participants and Results obtained:

<u>Title of course</u>	<u>Place and Date</u>	<u>No. of Participants</u>	<u>Results obtained</u>
Diagnosis of Plant Pests and diseases	Barbados July 1985	50	Officers trained in pests and disease diagnosis

<u>Title of course</u>	<u>Place and Date</u>	<u>No. of Participants</u>	<u>Results obtained</u>
Pests and diseases as constraints to the production and marketing of fruits in the Caribbean	Barbados October 30 to November 3, 1985	42	Participants made aware of those pests and disease which limit the fruit subsector and methods of control were given
Fourth meeting of the Directors of Plant Protection in Latin America and the Caribbean	Guatemala November 11 to 15, 1985	8 delegates from the Caribbean countries were among participants from the Hemisphere	Delegates obtained information on new technologies in Plant Protection

2.6 Relations with Training events and the assistance provided by the Project's specialist:

1. Collaboration in preparation of seminar on pests and diseases as constraints in the production and marketing of fruits in the Caribbean.
2. Provided technical assistance to Jamaica in the reorganization of their Plant Quarantine Section of the Ministry of Agriculture.
3. Provided technical assistance in the preparation of a project proposal for EEC funding.
4. Presented paper on diagnosis of plant disease at seminar in Barbados
5. Made arrangement for training of an officer of the Ministry of Agriculture in Barbados in techniques of cocoa disease diagnosis in Trinidad.
6. Made arrangements for training for an officer of Trinidad and Tobago in Acarology at Ohio State University.

2.7 Financial Resources utilized for the Project during the year:

Activity Code	Budgeted for the year US\$	Expended to Nov. 30th US\$	Accumulated Exps. to 31st, Dec. US\$	Balance at the 31st. Dec. US\$
A2852T1E01201 - Quotas	20 000	15 455	20 000	-
A2852T1E01202 - Quotas	2 200	1 988	2 200	-
A2852T1E01203 - Quotas	3 500	2 990	3 500	-
A2852T1E01204 - Quotas	2 000	1 669	2 000	-
A2852T1E01205 - Quotas	16 500	7 830	16 500	-
A2852T1E01206 - Quotas	11 000	5 794	11 000	-
TOTAL US\$	55 200	35 726	55 200	

2.8 Problems encountered during the execution of the Project and Recommendations for the following fiscal year:

1. Confusion in Ministry's identification of their priorities led to inability to implement activities which were programmed e.g. Jamaica.
2. The general problem of obtaining early nomination of participants for meetings has affected adversely the planning process.

2.9 General Perspectives for the Project:

The project is important for the improvement of the crop production sector in the Caribbean. Pests and disease continue to spread in the region and only effective plant protection programmes can assist in restricting this spread. Moreover, the recent decision by U.S. authorities to make it mandatory for countries wishing to export to the United States to have adequate plant quarantine infrastructure and regular surveys makes the project even more important. The countries are also embarking on fruit production programmes which will involve the

development of extra-regional markets for fruits. If these initiatives are to be successful then effective pest and disease control programmes will be necessary.

TECHNICAL ASSISTANCE TO DEVELOP  
A COCOA REHABILITATION PROJECT  
IN TRINIDAD AND TOBAGO

A2852T1F01100

ANNUAL REPORT 1985

## ANNUAL REPORT OF PROJECT (OP-6)

## I. GENERAL INFORMATION

- 1.1 Project's Code: A2852T1F01100
- 1.2 Title of Project: Technical Assistance to develop a cocoa rehabilitation project in Trinidad and Tobago
- 1.3 Fiscal Year: 1985
- 1.4 Date of Report: 6 December, 1985
- 1.5 Name of Responsible Head of Project: Warren Forsythe

## II. PROGRESS MADE BY THE PROJECT DURING THE FISCAL YEAR

- 2.1 Contribution of the Results of the Year to the achievements of the Intermediate Objectives or Final Products of the Project. List concrete results, in relation to the Indicators and Steps of the Intermediate Objective:

On the 27th March, 1985, the Director of IICA-Trinidad and Tobago and the Agricultural Research Specialist met with Mr. Robert Montano, Trinidad and Tobago Agent for the "Argo" all terrain vehicle (ATV), Mr. Bob Archer, "Argo" Marketing Manager, Mrs. Cheryl Gonsalves, Cocoa Agronomist of the Ministry of Agriculture, Lands and Food Production and Dr. Winston Harvey, of the Crop Science Department of the University of the West Indies (UWI), at the "San Salvador" farm of Mr. Montano. The performance of the Argo was discussed along with possible assistance from the company in further studies and a visit of Dr. Harvey to Ontario Drive and Gear Limited in July, 1985. As a result of an IICA sponsored report on possibilities of the Argo for cocoa mechanization, the Trinidadian Government granted the Argo duty-free status in the 1985 Budget. On the 28th and 29th March, 1985, a two-day "Clinic" on the Argo was held at the San Salvador Farm with the collaboration of IICA, UWI and MALFP. About forty persons attended the "Clinic".

A suitable fogger applicator "Fogmist" was identified by Dr. Winston Harvey and this arrived from Germany in October, 1985. Its effectiveness with the Argo will be tried.

2.2 Institutional Relations and Concertation-Groups and Key Persons that participated in the operations of the Project, specifying the nature of the involvement:

Warren Forsythe, IICA Agricultural Research Specialist and Chelston Brathwaite, Director IICA-Trinidad and Tobago met Mr. Robert Montano, cocoa farmer and Trinidad and Tobago Agent for the "Argo" all terrain vehicle, Mr. Bob Archer "Argo" Marketing Manager, Mrs. Cheryl Gonsalves, Cocoa Agronomist of the MALFP and Dr. Winston Harvey, Professor of Agricultural Engineering of the Crop Science Department of the UWI, to see the performance of the "Argo" on the cocoa farm "San Salvador". A two-day clinic was held on the 28th and 29th March, 1985. About forty persons attended the "Clinic".

2.3 Quantification of the Direct Beneficiaries of the Project and indication of the Indirect Beneficiaries

Direct Beneficiaries - 47

Indirect Beneficiaries: Ministry of Agriculture, Lands and Food Production (MALFP); The University of the West Indies (UWI); Quenca Limited; Ontario Drive and Gear Limited.

2.4 List Publications and other documents generated by the Project during the year:

NONE

2.5 List Courses, Technical Meetings, Conferences, Official Seminars organized by the Project, indicating Title of Course, Place and Date, Number and Occupation of participants and Results obtained:

Field day "clinic" demonstration of the "Argo" all terrain vehicle held at the "San Salvador" farm on 28th and 29th March, 1985. Forty persons attended.

2.6 Relations with Training events and the assistance provided by the Project's specialist:

NONE

2.7 Financial Resources utilized for the Project during the year:

Activity Code	Budgeted for the year US\$	Expended to Nov. 30th US\$	Accumulated Exps. to 31st Dec. US\$	Balance at the 31st Dec. US\$
A2852T1F01100 - Quotas	3 000	219	3 000	-
TOTAL US\$	3 000	219	3 000	-

2.8 Problems encountered during the execution of the Project and Recommendations for the following fiscal year:

During his trip to the USA, Dr. Winston Harvey had a personal emergency and was unable to visit the Ontario Drive and Gear Limited as previously planned.

2.9 General Perspectives for the Project:

This occasional activity shall be continued next year in the Program VI Project "Research on hillside farming systems in the Caribbean".



ESTABLISHMENT OF A NATIONAL AGRICULTURAL  
BIBLIOGRAPHIC INFORMATION SYTEM FOR  
TRINIDAD AND TOBAGO

A2852T1K02200

ANNUAL REPORT 1985

## ANNUAL REPORT OF PROJECT (OP-6)

1. GENERAL INFORMATION

- 1.1 Project's Code: A2852T1K02200
- 1.2 Title of Project: Establishment of a National Agricultural Bibliographic Information System for Trinidad and Tobago
- 1.3 Fiscal Year: 1985
- 1.4 Date of Report: 18th November, 1985
- 1.5 Responsible: Hugo Caceres

2. PROGRESS MADE BY THE PROJECT DURING THE FISCAL YEAR2.1 Contribution of the results of the year to the achievements of the Intermediate Objectives or final Products of the Project

- a. Four members of the Ministry of Agriculture Libraries were trained on the AGRINTER/AGRIS methodology for input data preparation.

One officer of the Ministry of Agriculture was trained on aspects of communication and public relations.

- b. The serial publication collection of the Forestry Division's Library was organized and recorded

Technical assistance was provided to the Library of the Fisheries Division in selecting a system for the cataloguing and classification of the library collections. Assistance was also provided in the establishment of a reference collection.

- c. A format for collecting data on serial titles available at the Ministry's Library was designed and 250 serial titles available at the libraries of the Forestry and Fisheries Divisions were recorded as part of the plan for producing an integrated catalog of this type of bibliographic resources.

- d. One thousand, five hundred (1,500) documents related to the Agricultural sector of Trinidad and Tobago were identified and recorded for the purpose of producing a national agricultural bibliography

- e. The Ministry of Agriculture, Animal Husbandry and Fisheries of Suriname was assisted in the elaboration of a project proposal for upgrading the library of the Agricultural Experiment Station in Paramaribo.
- f. The Instituto Nacional de Recursos Hidraulicos (INDRHI) of the Dominican Republic was assisted in the elaboration of a project proposal for the establishment of a national documentation and information centre.
- g. The IICA Plant Protection Programme for the Caribbean was assisted through the elaboration of a proposal for building a regional data base of documents on plant diseases and pests.

2.2 Institutional relations and concertation groups and key persons that participated in the operations of the project

- a. Dr. Ronald Barrow, Acting Director of Research, Central Experiment Station, Ministry of Agriculture, Lands and Food Production.
- b. Mr. Boris Fabres, Officer Fisheries Division, Ministry of Agriculture, Lands and Food Production
- c. Ms. Savitry Ranjitsing, Library Assistant, Forestry Division
- d. Miss Wendy-Ann Mc Intyre, Library Assistant, Fisheries Division
- e. Miss Marilyn Drayton, Librarian, Central Experiment Station.

2.3 Quantification of the Direct Beneficiaries of the Project and Indication of the indirect beneficiaries

- a. Library, Central Experiment Station, Ministry of Agriculture.
- b. Library, Forestry Division, Ministry of Agriculture.
- c. Library, Fisheries Division, Ministry of Agriculture
- d. Ministry of Agriculture, Animal Husbandry and Fisheries of Suriname
- e. Instituto Nacional de Recursos Hidraulicos, Dominican Republica
- f. IICA Plant Protection Programme for the Caribbean

2.4 List of Publications and other documents generated by the project during the year

- a. "Data Base of Scientific and Technical Documents produced by the Ministry of Agriculture, Lands and Food Production, guidelines for input preparation"
- b. "Project Proposal for the Design and Implementation of a System for Strengthening the Flow of Agricultural Information in the Caribbean Area. Phase One: Integrated Information System for Plant Protection"
- c. "Proposal for the Development of an Integrated Information System for the Agricultural Sector in Suriname" (Project profile)
- d. "Cooperative Project for the Strenthening of the Operative Capacity of the Library of the Ministry of Agriculture of Suriname" (proposal)
- e. "Proyecto Cooperativo para el Establecimiento de un Centro de Documentacione Informacion sobre Recursos Hidraulicos en Republica Dominicana" (propuesta)
- f. "Proposal for Building a Data Base of Documents on Plant Diseases and Pests in the Caribbean"

2.6 Relations with training events and assistance provided by the project's Specialist

- a. The project's specialist trained four staff members of the Ministry's libraries on aspects of documents analysis and data recording.
- b. The project's specialist provided on-th-job training to two library assistants on aspects of library organization
- c. The project specialist coordinated the training of a Ministry Officer on aspects of communication and public relations

2.7 Financial Resources utilized by the Project during the year

Activity Code	Budgeted for the year US\$	Expend for the year US\$	Accumulated Exps. US\$	Balance US\$
A2852T1K02201 -Quotas	4 700	3 800.00	3 800.00	900.00
A2852T1K02203 -Quotas	1 000	999.99	999.99	.01
A2852T1K02204 -Quotas	2 000	1 700.00	1 700.00	300.00
A2852T1K02206 -Quotas	1 000	917.98	917.98	82.02
Total	8 700	7 417.97	7 417.97	1 282.03

2.8 Problems encountered during the execution of the Project

- a. Lack of involvement of the Ministry of Agriculture in the definition of priorities of the national system and programming of the action of the project.
- b. Withdrawal by the Direction of Programme 10 of national component of the IICA/IDRC AGRINTER/AGRIS Output Project.
- c. A close concertation with the Ministry is needed in order to contribute to the achievement of the objectives of the project.