

Date 29 MAR 1983

Mr Hugues Sylvain, President
Société Haitienne d'Etude et d'Exécution des Projets Agricoles
PP 1771
Port au Prince, Haiti

Dear Mr Sylvain:

Subject: Cooperative Agreement No. 521-0169-A-00-3043-00
Caribbean Basin Initiative Supplemental Appropriation

Pursuant to the authority contained in the Foreign Assistance Act of 1961, as amended, the Agency for International Development (hereinafter referred to as "AID" or "Grantor") hereby provides to the Société Haitienne d'Etudes et d'Execution des Projets Agricoles (hereinafter referred to as "SHEPA" or "Grantee" the sum of Five Hundred Thousand United States Dollars (\$500,000) to provide financial assistance for the purpose of undertaking research to improve the genetic stock of fruit trees in Haiti, and undertaking a program of distribution of improved fruit seedlings to small farmers in the Hinche, Toumoude, and Haissade area of Haiti, as more fully described in Attachment 2, entitled "Program Description".

This Cooperative Agreement is effective and obligation is made as of the date of this letter and shall apply to commitments made by the Grantee in furtherance of program objectives through the estimated completion date of March 31, 1985.

This Grant is made to the Grantee on condition that the funds will be administered in accordance with the terms and conditions as set forth in Attachment 1, the Schedule, Attachment 2, the Program Description, and Attachment 3, the Standard Provisions, which have been agreed to by your organization.

Please sign the original and seven (7) copies of this letter to acknowledge your acceptance of this Grant, and return the original and six (6) copies to this office.

Sincerely yours,

Handwritten signature
Hank H. McLeod
Mission Director, USAID/Haiti

ACKNOWLEDGED:

By *[Signature]*
Date 29 MAR 1983

Attachments:

- 1. Schedule
- 2. Program Description
- 3. Standard Provisions
- 4. Assurance of Compliance

Fiscal Data:

Project Number : 521-0169 , Input No. 4
 Appropriation : 72-112/1037
 Allotment : LRS2-83-25521-KC13
 Total Grant Amount : \$500,000
 Amount Obligated : \$500,000
 PIC/T Number : 521-0169 -3-30034
 Funds Available : *[Signature]* Cont.
 Date : *[Signature]*

SCHEDULE

A. Period of Agreement

1. The effective date of this Cooperative Agreement (CA) is the signature date by the Grant Officer as shown on the cover letter, and the estimated completion date is March 31, 1985.
2. Funds obligated hereunder are available for program expenditures for the estimated period the effective date of this agreement until the estimated completion date.

B. Amount of Agreement and Payment

1. AID hereby obligates the amount of \$500,000 for the purposes of this Cooperative Agreement.
2. Payment will be made to the Recipient in accordance with the procedures set forth in Attachment 3--Standard Provision entitled "Payment--Periodic Advance".

C. Financial Plan

1. The following is the Financial Plan for this Grant. A detailed Financial Plan is appended as Annex A to Attachment 2 of this Agreement. Revisions to this plan shall be made in accordance with the Standard Provision entitled "Revision of Financial Plans".

<u>Cost Element</u>	<u>Obligated Amount</u>
1. Personnel and Tech. Assistance	\$289,032
2. Commodities	151,656
3. Training programs	4,420
4. Other Costs	54,892
TOTAL	500,000

2. The Grantee may not exceed the obligated amount set forth, nor may the Grantee adjust the costs for any individual line item by more than 15% of such line item, unless prior written approval is accorded by AID.

D. Reporting and Evaluation

1. The Grantee shall submit the following reports, in English, at the time and in the quantities specified:
 - a. Technical reports. Recipient shall submit quarterly status reports, due within one month of the expiration of each fiscal quarter under the life of the project, to the Agricultural Development Officer, USAID/Haiti, and a final report, due within one month of the expiration of the project, to the same address.
 - b. Financial reports. Grantee shall submit to the responsible AID Controller all reports required under the Standard Provision entitled "Payment--Periodic Advance".

E. Alterations and Additions to the Standard Provisions

1. Of the attached Standard Provisions, the following will be deleted: 5A, 7B, 7C, 10B, 13B, 13C.

PROGRAM DESCRIPTION

I. Purpose

The purpose of this CA is to improve the quality of the genetic stock for fruit production in Haiti.

II. General Description

In addition to undertaking a varietal research program, SHEEPA proposes to undertake the distribution of 350,000 fruit tree seedlings to small farmers in the Hinche (Central Plateau) region. Seedlings will be sold for a nominal fee.

Under the project, 3 field nurseries and one research nursery will be established, and 14 monitors will be trained to distribute seedlings, operate the field nurseries, and implement training programs for farmers. The existing SHEEPA nurseries at Fon Repos and Hinche will be upgraded for the research component of the project, and project technicians will gather specimens from Puerto Rico, Jamaica, the Dominican Republic and the US. 10 DARNER extension agents will receive on-the-job training as well.

SHEEPA will oversee a permanent program of monitoring and extension activities for farmers and school groups in the project area, using audio-visual techniques and site visits. In addition to cultivation, pruning and grafting techniques, elements of soil conservation and intercropping will be stressed.

III. Description of Activities

A. Specific Objectives

The specific objectives are described in a detailed implementation plan outlining the responsibilities of the parties to this agreement, which is appended, and which forms part of this agreement.

IV. Substantial Involvement Understanding

In addition to the criteria described in the appended scope of work, the following AID-established criteria must be met under this Agreement:

A. USAID/Haiti will review and approve all contracts for short and long-term technical assistance.

B. USAID/Haiti will participate in program development, as appropriate, and may urge and arrange the cooperation of US-based institutions such as a US land-grant university, at no cost to the present project.

C. USAID/Haiti reserves the right to undertake periodic reviews of project performance, and to suspend undischursed tranches of funding if the objectives described in the appended scope of work are not attained.

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Attachment 2
Annex A

ITEMS	TOTAL	AID	SHEEPA PLEDGE	1st YEAR	2nd YEAR
I. PERSONNEL COSTS	272632.-	272632.-	--	158722.-	113910.
II. TRAINING COSTS	18420.-	4420.-	14000.-	4420.-	14000.
III. COMMODITY COSTS	162656.-	151656.-	11000.-	120140.-	42516.
IV. TECHNICAL ASSISTANCE	16400.-	16400.-	--	10300.-	6100.
V. OTHER COSTS	<u>314892.-</u>	<u>54892.-</u>	<u>260000.-</u>	<u>218200.-</u>	<u>9669.-</u>
TOTAL	<u>785000.-</u>	<u>500000.-</u>	<u>285000.-</u>	<u>514722.-</u>	<u>270218.-</u>

A.- SCOPE AND SCHEDULE OF WORK

I.- ACTIVITIES FOR APRIL 1st TO APRIL 30, 1983

- 1) Visits to make contacts with key Fruit Tree Crop Specialists.
 - University of Florida at Gainesville, U.S.A.
 - Santo Domingo, R.D.
 - Jamaica
 - Puerto Rico

- 2) Purchase mostly from PUERTO RICO and FLORIDA with delivery to HINCHE.
 - 40,000 seedling for research (Viz, almond, apple, carob, date litchi, nectarine, oil palm, peach, pejobaya, plum etc)
 - 350,000 seeds for germination and seedling production.
 - 400,000 plastic bags.
 - Irrigation equipment for a 2 ha. nursery.
 - Nursery equipment i.e. saran, posts, tables, watering system, pump, pipes etc.
 - Fertilizer, pesticides, fungicides, growth hormone.
 - Audio-visual material.

- 3) Begin soil preparation at HINCHE, THOMONDE, MAISSADE in order to establish 3 nurseries for production and research purposes. Activities to include:
 - Weeding
 - Preparation of potting substrate

- Seed sowing/vegetative
Propagation commences
- Installation of irrigation system.
- Composting.

II.- ACTIVITIES FOR PERIOD MAY 1st TO MAY 31, 1983

- Purchase additional local seeds for production
- Maintenance of management of seedlings sown
- Begin extension exercise through the use of Audio-visual techniques.
- Purchase of 3 U.S.A. made vehicles - 4 wheel drive and accessories.

III.- ACTIVITIES FOR JUNE 1st TO JUNE 30, 1983

- Purchase additional local seeds for production
- Maintenance of bags already sown
- Begin extension exercise through the use of Audio-visual techniques
- Quaterly report
- Next quaterly. Scope of work with monthly detail to be worked out by 3 BS Agricultural Technicians and Consultants.

IV.- ACTIVITIES FROM JULY 1, TO SEPTEMBER 30 1983

- Purchase additional local seeds for production
- Quaterly Report. Quaterly Scope of work with monthly detail
- Partial sowing of bags
- Maintenance of bags already sown
- Begin extension exercise through the use of Audio-visual techniques.
- Socio-Economic investigations

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- Identification of proposed farmers' plots, projection for distribution of seedlings for definitive planting regarding types of soil and different altitude level.

V.- ACTIVITIES FROM OCTOBER 1, TO DECEMBER 31, 1983

- End of purchase of local seeds
- Filling of bags
- End of sowing of bags
- Maintenance of bags already sown
- Begin extension exercise through the use of Audio-visual techniques.
- Beginning of Grafting program
- Beginning of ordonance survey on choisen plots for planting.
- Observations and report on research
- Fence in with barbed wires and plots over all cleaning
- Quaterly Report. Quaterly Scope of work with month

VI.- ACTIVITIES FROM JANUARY 1, TO MARCH 31, 1984

- Grafting program commences
- Maintenance of bags already sown
- Begin extension exercise through the use of Audio-visual techniques.
- Observations and report on research
- End of fence in operation
- Preparation of planting structures, holds and individual horticulture terraces
- Quaterly report. Quaterly Scope of work with month

VII.- ACTIVITIES FROM APRIL 1, TO JUNE 30, 1984

- Maintenance of bags already sown (Nurseries)
- Begin extension exercise through the use of Audio-visual techniques.

- Observation and report on research
- Technical assistance on field planting
- Quaterly Report. Quaterly Scope of work with monthly detail.

VIII.- ACTIVITIES FROM JULY 1, TO SEPTEMBER 30, 1984

- Maintenance of bags already sown (Nurseries)
- Begin extension exercise through the use of Audio-visual techniques.
- Observation and report on research
- Technical assistance on field planting
- Field planting program begins
- Quaterly Report. Quaterly Scope of work with monthly detail.

IX.- ACTIVITIES FROM OCTOBER 1, TO DECEMBER 31, 1984

- Begin extension exercise through the use of Audio-visual techniques.
- Technical assistance in field planting
- Create and organize farmers in Production Groups
- Work on a fruit marketing study from HINCHE to PORT-AU-PRINCE.
- Quaterly Report. Quaterly Scope of work with monthly detail.

X.- AGRICULTURAL EXTENSION SERVICES FROM JUNE 83 TO MARCH 1985

1) To achieve this objectives: for two months SHEEPA will train 14 Monitors recruited in the Project area on Soil Conservation, Agricultural Extension Methodology, and Tropical Horticulture

- Pruning of farmers trees
- The 3 B.S. Agricultural Technicians on the job will do the training. About 10 Consultants will be used for different extension related activities.

- Training in Soil Conservation will be held right in the field. The choice of different types of soil with regard to elevation and ecological fit for the exotic cultivars to be introduced in the Project area, will be done.
- 2) Monitors' Information Meeting in order to convince the farmer to integrate himself into the Project, will be held using a serious Audio-visual approach.
- Consultants technical advices will help the Monitors. This technical assistance will facilitate the transfer of technological packages to the farmers.
 - Monitors will be assisted by three (3) B.S. level Consultants in the distribution of seedlings and follow-up field management activities.
- 3) Special provision is made by SNEEPA for a practical Training in Tropical Horticulture with an emphasis in Grafting. This training is open to interested Governmental and private agencies.

B.- PERSONNEL NEEDS OF THE PROPOSED PROJECT

I.- OPERATIONS FROM APRIL 1983 TO MARCH 31, 1985

- 1) The following Seven (7) Staff members of SNEEPA will be working for this Project:
- 1 Director, M. Hugues SELVAIN
 - 1 Administrator, M. Lully TELEMAQUE
 - 1 Administrator Adjoint, M. Michelot PIERRE
 - 1 Secretary
 - 1 Bookkeeper
 - 1 Messenger
 - 1 Guardian
- They will be responsible for the Administrative aspects of the Project. In addition the Technical aspects will be supervised by three Agricultural Technicians each possessing a B.S. Degree in Horticulture and on Reforestation and a minimum of 6 years of Nursery/field experience.

They are:

Lucien BRISSON	HAITIAN	20 Years exp.
Claude C. PIERRE LOUIS	"	18 " "
Robert BLAIR	AMERICAN	6 " "

Fourteen (14) Monitors with intensive field training as described before, will join the professional technical staff after their training.

- 2) Conduct survey throughout the Islands of Hispaniola, Jamaica and Puerto Rico and Florida to identify and collect germ plasm and seed material of already existing improved fruit species/cultivars.

From April 15, to April 30, 1983

- Establish information and material exchange relationship with horticultural centers in the Caribbean area, Both private and governmental.

From May 1, 1983 to June 30, 1983

- Establish and maintain a germ plasm research repository for the observation and subsequent field work on the accessions.
- Maintain nursery facilities for 400,000 local seedlings for production and 40,000 seedling for research.

II.- OPERATION FROM JULY 1983 TO SEPTEMBER 1984

- Grafting operations and all other asexual propagation methods to rapidly multiply those accessions which are judged likely to perform well under local condition.
- Select appropriate field sites for agronomic trials, representative of at least two contrasting agroclimatic conditions (with respect to rainfall, soil types and elevation temperature).

III.- OPERATION FROM OCTOBER 1983 TO MAY 1984

- Establish, maintain and monitor statistically designed field trials pertaining to research and production on:
 - a) species, cultivar performance;
 - b) management techniques;

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c) harvest and post harvest techniques.

- Devise and manage a system for releasing and distributing seedling material from the nursery facilities.

IV.- OPERATION FROM JUNE 1984 TO AUGUST 1984

- Provide extension support services and technical advice to growers in the planting establishment, field management, harvesting and post harvest treatment of the recommended fruit tree crops.
- Devise a manual and develop creole language training/teaching materials covering practical aspects of fruit production in Haiti.
- Provide horticultural training to interested agencies including those of the GOH.
- Gather and analyze the field and nursery data which will be generated by the Project.
- Prepare technical reports at regular intervals covering the lessons learned in the nursery and the fields.

V.- OPERATION FROM SEPTEMBER 1984 TO NOVEMBER 1984

- Prepare reports about the progress of the Project at regular intervals.
- Furnish recommendations on the most agronomically sound species, nursery techniques and management systems for improved fruit tree crop production in Haiti.

C.- REPORTS

The Grantee will submit the following types of reports to USAID:

- Quaterly progress reports in conformance with USAID/Haiti's Joint Project Implementation Plan, beginning June 1983 through April 1985.
- Technical reports covering the status of the nursery/field trials.
- Final report summarizing the outputs of the Project, analyzing its achievements and benefits and making recommendation for improved fruit tree crop production.