

PD-AAZ-947

Port-au-Prince, January 31, 1983

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Agricultural Development Office
USAID/Port-au-Prince
Saliba Building
Rue du Magasin de 1^{er}Etat
Port-au-Prince

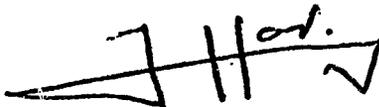
Dear Sir:

With our best compliments, we are pleased to send you under this cover both copies, french and english of the project of " TREE CROP IMPROVEMENT PROJECT " prepared by our ONG, SHEEPA.

The english copy contains complete description of the projects to which we have added in appendice the resume of all the SHEEPA team and also the job description of the technicians which will be required to supply their service in this project.

We hope that our effort will meet your attention and remain,

Yours very truly,


Hugues SYLVAIN
President
SHEEPA

PROJECT AUTHORIZATION

Name of Grantee : Société Haitienne d'Etude et d'Exécution des Projets Agricoles

Name of Project : Tree Crop Improvement

Number of Project : 521-0169, Input No. 4

1. Pursuant to Section 531 of the Foreign Assistance Act of 1961, as amended, and the Supplemental Appropriations Act of 1982 (PL 97-257), I hereby authorize the Société Haitienne d'Etude et d'Exécution des Projets Agricoles (Grantee) Project entitled "Tree Crop Improvement", involving planned obligations of not to exceed \$500,000 in Grant funds, to help in financing the two-year life-of-project foreign exchange and local currency costs of the Project.

2. The project will improve the quality of the genetic stock for fruit production in Haiti.

3. The Project Agreement, which may be negotiated and executed by the officer to whom such authority is delegated in accordance with AID regulations and Delegations of Authority, shall be subject to such terms and conditions as AID may deem appropriate.

4. The purchase of one trailbike from a country included in AID Geographic Code 899, for an amount not to exceed \$1,500, is hereby approved.


Martin H. Hobgood, Director
USAID/Haiti

8/29/83
Date

DRE, RByess:rjb:24/03/83:0040A

Clearances:

DRE, WSRhodes 10-26
CONT, Fryder 10-26
PVD, MKBaldwin 10-26
ADO, MFord 10-26
A/CSO, Pflayden 10-26

P R E S E N T E D B Y S H E E P A

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Mecanography : MALIDA SERVICES

3

OPERATIONAL PROGRAM GRANT (OPG) PROPOSAL

PROJECT TITLE : TREE CROP IMPROVEMENT AND PRODUCTION
: PROJECT

PROJECT LOCATION : HINCHÉ, PLATEAU CENTRAL HAITI,
: (SEE MAP PAGE 6)

NAME AND LOCATION : " SOCIÉTÉ HAÏTIENNE D'ÉTUDE ET D'EXÉ-
: CUTIION DE PROJETS AGRICOLES ", (SHEEPA)
PORT-AU-PRINCE, HAÏTI.

CENTRAL HEADQUARTERS : 72, RUE PAVÉE (ÉTAGE ELECTROTO STORE)
: TELEPHONE: 2-7394

CONTACT PERSON : M. HUGUES SYLVAIN
: PRESIDENT-DIRECTEUR (SHEEPA)

DATE OF SUBMISSION TO AID : 31 JANVIER 1983

TOTAL OPG REQUEST : US \$ 521,000.-

FIVE HUNDRED TWENTY ONE THOUSAND US DOLLARS.

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FOREWORD

The ecological equilibrium of the Republic of Haiti, like that of the diet, has been upset by the abusive and thoughtless use of forest, energy and fruit resources. Corrective action becomes imperative, and requires efficient and integrated short-term solutions. It is from this angle that our Company (Société Haitienne d'Etudes et d'Exécution de Projet Agricoles) SHEEPA considers the AID " TREE CROP IMPROVEMENT AND PRODUCTION PROJECT " as a highly valuable intervention, especially for the " PLATEAU CENTRAL ", region the water shed for Lake PELIGRE.

For ten months, SHEEPA has carried out a Fruit Tree Reforestation Project at BON REPOS. One thousand shrubs, purchased mostly from ARCHIPA S.A., grow there already. The following are included :

- Avocado trees
- Sweet Sop trees
- Cherry trees
- Coconut trees
- Mango trees
- Grapefruit trees

These trees are planted over a distance of 30 feet in all directions and cover an area of 24.69 acres, irrigated by a new system in Haiti, related to the " drop-by-drop " (goutte à goutte) method.

Despite various imperdiments : saltiness of the soil, uncontrollable winds, almost no rainfall, high labor cost - the BON REPOS Project has developed in a positive direction due to the know-how of our technical team.

SHEEPA is interested in repeating the BON REPOS experience in an area like the " PLATEAU CENTRAL " where rainfall is regular, soil

conditions and climate are favorable. Farmers in the area will be more than happy to cooperate.

SHELPA proposes the " PLATEAU CENTRAL " as a Project Area, because action for fruit production at the level of farmers of all categories would be welcome . In the events of cover production the entire surplus would benefit the " MADAMES SARA * " trade, all sorts of fruit and take them to the Port au Prince market. In the PLATEAU CENTRAL, mango gathering, for example, presently extends from CERCA CARVEJAL to MIREBALAIS, where many varieties have completely degenerated and deserve to be revalued.

Another justification for improving fruit production is that massive selection of local species and the introduction of more marketable high-yield varieties would produce exportable fruit over the long term, which would be a source of foreign exchange for the country.

We indicate the " PLATEAU CENTRAL " because rural population of this agricultural region is exposed to all types of difficulties such as : decreases in agricultural yields, control of plantation, acquisition of certified seeds, technical management support and supervision, balanced diet, purchasing power, standard of living, etc,...

CHAPTER I

1.- PROJECT JUSTIFICATION

1.1.- INTRODUCTION

1.1.1. External Assistance in Haiti

Present external assistance activities in Haiti show that the regions of the North and the Artibonite, with the RIVER BLANCHE Project, the ODVA, the ODPG, the FAO, the ODN and PVOs, have relatively significant technical coverage and financial support.

It is the same for the South, where PDAI-JACMEL, PDAI-CAYES, DRIPP, the ASILE Project, the PLAINE D'ABRAHAM Project and the PVOs operate.

The Northwest, where HACHO and CARE are established, requires special interventions geared to the climatic conditions that we know it has.

The Plateau Central area has been the most unattended. The last intervention carried out in this important area was implemented a quarter of century ago, when the HADO, in 1955, funded the ARTIBONITE WATERSHED RENEWAL PROJECT. It must be emphasized that the PLATEAU CENTRAL constitutes the watershed for Lake PELIGRE, where energy is taken for electricity supply to Port au Prince. Protection of the PELIGRE Lake is an essential element in all efforts to develop the country.

1.1.2. Objectives

SHEEPA believes that the basic objectives of the TREE CROP IMPROVEMENT PROJECT FOR HAITI including :

- a) fight against deforestation and erosion,
- b) improvement of diets,
- c) increase of rural sector revenues;

apply better to PLATEAU CENTRAL - the most in need of deforestation and erosion prevention measures, lack of support has seriously threatened the flore of the region which the degradation generate obvious malnutrition of the population.

1.1.3. Duration of Project : 2 Years.

When one considers the plant cycle of a fruit plantation as set down by AID, for both local and exotic species, the period allocated to the Project will cover partial justification since most of the species cited under (2.5 SEEDLING PRODUCTION), will bear fruit only after five years.

We therefore consider this Project within its time frame as a Test of Fruit Trees Behavior as opposed to a Test for Fruit Production.

At the end of two years, we sill have adaptability and growth results for selected varieties. Report on productivity as such will be available in 1987.

We anticipate that at the end of two years, 15,000 Motivated Volunteers will be taken on the work and assure the production of a

about 340,000 trees capable of yielding about US\$ 5,000.000.00 of fruit during the first year production. By reference to projected investment cost, this result will be a complete success.

1.1.4. Geographical Location

For this Project, SHEEPA wishes to gear its intervention toward the area of improving human and physical environment of the PLATEAU CENTRAL. The geographical area contemplated for the Project site as illustrated on the map (cf Page 6), shall be limited by CANOT River in the North, GUAYAMOUC to the East, Lake PELIGRE and BOUCAN CARRE River to the South, and BLACK MOUNTAIN Chain (LES CAHOS) to the West.

1.2. GENERAL FRAMEWORK OF THE OPERATING ZONE

1.2.1 Area and Climate

The Project area is in the Northern part of the PLATEAU CENTRAL, 19 degrees North latitude by 72 degrees West longitude. Dr. L. HOLDRIGE has defined as a transition zone between a sub-tropical rain forest and a very humid low-mountain forest.

1.2.2 Surface Area and Soil

Administrative component of the area includes ten (10) " Rural Sections " or 13 localities parts of the Communes of HINCHE, THOMONDE and MAISSADE; within this overall area, the immediate operating zones will be divided into plots totaling 500 Hectares or 1.230 Acres of land.

The Project will not intervene in rich valley soil or stable

low geological terrace. It will essentially intervene in moderate terrace (DCS BOIS PINS), high terraces (LAYAILLE) and mountainous areas (ABRIO, BAIL TOURRIBLE). Thus the dominant soils are in classes III and IV according to the international classification system. Since these soils do not lend themselves to irrigation or deep plowing and have rolling topography, they need anti-erosion measures; they are recommended for permanent, highly profitable cultures, such as the tree crops to be included in this Project.

1.2.3. Altitude and Temperature

The altitude varies in this region from 200 to 800 meters, and the topography allows for a variety of ecological systems, which facilitates the partitioning of research sites.

The average yearly temperature is 23^o.-degrees Celsius or (73^o.4 F.), with extremes of 21^o. degrees (69^o.8 F.) in January and 27^o. degrees (80^o.6 F.) in August; mountainous areas have lower temperature, at an average rate of 3/4 ^odegree per 100 meters of elevation. These areas are relatively sheltered from the generally dangerous North-Easterly Winds.

1.2.4. Population and Revenue

The operating area contains three urban centers - HINCHE, MAISSADE, THOMCNDÉ - and their 10 " Rural Sections". These three towns will serve as nerve centers for the Project's three Operational Units.

Aguahedione (left bank)	(HINCHE)	about	7,500
Aguahediode (right bank)	(")	"	12,000
Juanaria	(")	"	14,500
Marmont	(")	"	11,000

Hatty	(MAISSADE)	about	2,500
Narang	(")	"	6,300
Savane Grande	(")	"	10,000
Bail Tourrible	(")	"	4,000
Naucasse	(")	"	6,000
Tierra Mouscadia	(")	"	4,000

this involves a total rural population of about 82,300 inhabitants, with essentially agricultural occupations.

Apart from coffee growers of BAIL TOURRIBLE, the majority of this population lives on a real per capita income of less than US\$ 100.00 (ONE HUNDRED DOLLARS); this situation explains the conditions of underdevelopment that characterize the area - degraded habitat, flagrant malnutrition, parasite-borne endemic diseases, illiteracy, etc. - which make the PLATEAU CENTRAL in general, and the selected region in particular, a prime area for economic intervention.

1.2.5 Food Traditions

It is estimated that the average daily caloric consumption of the local population is between 1,720 and 1,750 calories. Fruit is part of the region's diet. The major fruits consumed are mangoes, avocados and oranges; however, the plantations are old and the yields are low.

CHAPTER II

2.- PROJECT DESCRIPTION

2.1.- TRAINING OF MONITORS

To achieve the objectives that have been set, SHEEPA plans to create a Training Center for Monitors at the beginning of Project Implementation. Thirteen (13) Monitors from 18 through 25 Years of age will be recruited in the Operating Areas, and will undergo two months of intensive theoretical and practical training within the framework of the Project.

2.1.1. Theoretical and Practical Courses

Theoretical and practical courses will be taught on:

- a) Tropical Horticulture
- b) Soil Conservation
- c) Agricultural Extension Methodology

2.1.2 Duration of Courses

There will be 300 hours of courses, distributed as follows:

- 50 hours of Tropical Horticulture
- 50 hours of Soil Conservation
- 90 hours of Agricultural Extension Methodology
- 100 hours of Practical Work in the field
- 10 hours of Evaluation.

2.1.3. Room, Board and Upkeep

For the entire duration of their training, the Monitors will be housed, fed and have their clothing washed at the Project expense.

2.1.4. Agricultural Agents

In addition, a 50 hours refresher course on the same subjects will be offered to regular DARNDR Agricultural Agents in service in the area. Their assistance will generally be requested throughout planting and extension operations.

2.2. NURSERIES

The establishment of nurseries for the production of seedlings will be carried out on two-hectares (4.93 acres) plots that will have previously been available to SHEEPA. Considering the region's ecological variations on one hand, the partitioning of urban areas and villages and their importance on the other, it will be useful to set up nursery installation sites at three different levels; plateau altitude, crest altitude and intermediate altitude between the two. Consequently, two major axes were identified on both sides of HINCHE, one toward MAISSADE the other toward THOMONDE, on a radius of 18 Km., each with HINCHE as the center.

There will be a division of site in each area and at each altitude into a production part and a research part. This will make six linked production-research nurseries.

This option was adopted in the spirit of facilitating the transportation of seedlings from the nurseries to the transplanting fields, and of encouraging the participation and demonstration effect.

The total nursery population will be 340,000 seedlings partitioned between the two types of nurseries: one for Production and the other for Research.

2.2.1 The Production Nursery

A production nursery of 300,000 seedlings grown from selected seeds will serve to improve and extend local species.

2.2.2. The Research Nursery

A research nursery of 40,000 seedlings will be for research on the adaptability of exotic species.

2.3. INTERVENTIONS IN THE FIELD

The Project Area will be shared among three (3) Units divided as follows around the three towns of HINCHE, THOMONDE and WAIS-SADE :

2.3.1 Identification of the Units

UNIT I - HINCHE : 5 localities

1. Las Paty
2. Marmont
3. Los Palis
4. Colladère
5. Bassin Zim

UNIT II - THOMONDE : 4 localities

1. Bail Tourrible
2. Nancasse
3. Tierra Mouscadia
4. Savannette

UNIT III - MAISSADE : 4 localities

1. Narang
2. Savane Grande
3. Hatty
4. Mme Joie

It is understood that, in the course of geographical reconnaissance visits, two American Technicians with BS. Degrees, will have final authority as to the choice of sites within these units.

2.3.2. Identification of Volunteers

After the Training Course, the thirteen (13) Monitors will carry out a survey under the supervision of one Haitian Technician with B.S. to identify Volunteer for the three Units.

In the spirit of reaching all social strata in the environment the Volunteers will be grouped according to the following criteria :

- a) Farmer-proprietors, each offering one carreau of land near a water source, promising to enclose it before planting, and a permanent responsible representative for plantations.

b) Farmer-proprietors, each offering a half carreau of land near a water source, promising to enclose it before planting, and a permanent responsible representative for their respective plantations.

c) Farmer-proprietors offering a quarter carreau of land located near a water source, promising to enclose it, and a permanent responsible representative for their plantations.

In addition, School Principals in the area concerned will, in agreement with the Monitor, choose Spontaneous Volunteers among students of both sexes, who each would have a 200 sq. meter plot of land near a water source, promising to enclose it before planting. These students will be trained by the Project.

2.3.3. Motivation of Volunteers

Monitors will carry out a Survey in the three Units. In addition, to identification questionnaire, this Survey will contain a section for suggestions from each farmer as to implementation of the Project, and especially on choice of species to be improved and to be introduced. These suggestions the Monitor will take up again during individual visits with farmers to give them confidence as to their real participation in the Project without fear by the Monitor to contradict them if their suggestions were not admissible.

To convince and bring the farmer to integrate himself into the Project, a serious audio-visual approach will be used. We will bring the peasants to become aware of their responsibility through a consciousness-raising campaign and A - V methodology.

It is especially necessary to be frank with the peasant. Have him acknowledge that it is such. Never make promises to him that cannot be honored. This is SHLEPA's way of operating.

2.3.4 Aid to be given to Volunreers

To encourage the Volunteers, the Project will give them material assistance in the form of barbed wire, which will be used to erect or consolidate fencing. Four rolls per hectare (2.46 acres) will be provided.

2.4. TRAINING OF RESPONSIBLE REPRESENTATIVES

12
4
42

Theoretical and Practical Training will be given by the Monitors. Those who complete it will become local Volunteers.

2.4.1. Training Course

Representatives from each category of Volunteers will receive theoretical and practical training in groups of 10 at the Monitor's residence.

The students chosen will be trained in their respective schools for 40 hours at the rate of 4 hours per day, by agreement between The Principal and the Monitor.

These 40 course-hours will be divided among the following subjects :

- The planting of fruit trees and the erecting of terraces.
- Care of tree crops
- Protection of plants against animals
- The phyto-sanitation struggle, and the one against all type of predators

- Functional fruit crop literacy prepared by appropriate Government Agency,

2.4.2 Number of People Reached

The originality of this valuable training method is the rapidity with which it trains a significant number of farmers. This training Program will reach 80 people per locality, as follows :

- 10 One - hectare (2.46 acres) category representatives
- 20 Half - hectare (1.23 acre) category representatives
- 40 Quarter - hectare (0.615 acre) representatives
- 10 Chosen Students with 1/5 hectare (0.492 acre) representatives

The thirteen (13) Monitors will have thus rapidly trained 1,040 Representatives for an area of 392 Carreaux or 506 Hectares or 1,244 Acres.

2.5. SEEDLING PRODUCTION

The Project will establish two nurseries, one for Production and one for Research; at each of the three Project Sites.

2.5.1. The Production Nursery

The purpose of the production nurseries for 300,000 seedlings will be to multiply selected local varieties of great economic importance : that is, about 20,000 for each of the following species :

- Apricot
- Avocado
- Cashew
- Cherry
- " Cirouelle "
- Coconut
- Guava
- Grapefruit
- " Jaune d'Oeuf "
- Mango
- Orange
- Papaya
- Passion Flower
- Pineapple
- Pomegranata
- Quenepe
- " Sapotille "
- Sour Sop
- Sugar Apple
- Sweet Sop

We will also take into consideration the selection of certain varieties produced out-of-season that could be obtained in certain areas of the country, such as, for example, certain avocado and mango trees.

2.5.2. The Research Nursery

The Research nursery for the adaptation of exotic fruit species will produce 40,000 seedlings, 4,000 of each of the following :

- Almond
- Apple
- Cashew
- Date
- " Litchi "
- Nectarine
- Oil Palm
- Peach
- " Pejibaya "
- Plum

Research techniques will be discussed in a special paper.

2.5.3. Technical Responsibility

The establishment, organization and supervision of these two nurseries up to the seedling distribution phase will be the responsibility of two Horticultural Technicians.

2.5.4. Distribution of the Seedlings

The seedlings will be distributed through the Monitors to the local Volunteers for a symbolic payment of five cents (US\$ C.05) (Gdes 0.25), each. It is understood that the seedlings will be given to the Volunteer only after his plot has been fenced in and the planting structures will be in place. Planting will be done under the supervision of the Monitors.

2.5.5. Transplanting and Follow-Up

The post-planting period will essentially involve permanent follow-up, technical assistance to planters and plantation maintenance activities. These activities will be carried out under the supervision of the Head of Field Operations; the Technicians with B.S. in Horticulture will participate in the area of pathology control.

2.6. THE THREE PROJECT INTERVENTION OBJECTIVES

Project intervention will consist of three major components :

2.6.1. Research on and Improvement of Varieties

OBJECTIVES :

- Study on the adaptability of exotic species or varieties,
- Study on the improvement of local species or varieties

2.6.2. Training and Motivation

OBJECTIVES :

Accelerated functional training of thirteen 13 Monitors

who will give technical support to peasant horticulturists (training in horticultural techniques, soil conservation and agricultural extension techniques). The Monitors will include 10 men and 3 women.

- Technical motivation of 1.040 people, 910 farmer- horticulturists among them, and the basic technical training of same, to facilitate the transmission of technological packages; and the training of 130 students 15 years of age or older.

- Recycling training for 10 DARNDR Agricultural Agents based in the area, who will assure the institutional expansion of the Project.

2.6.3. Production, Planting, Technical Assistance

OBJECTIVES :

- Production of 300,000 seedlings of 20 local species or varieties ; seeds from selected pods; intensive nursery-based care, for a total production cost of US\$ 0.40 per seedling.

- Planting of 300.000 seedlings on small farmer's plots, wheter they be land owners or direct government tenants, and of 40,000 seedlings to establish orchards of one hectare for farmer proprietors who have fenced in and prepared their land beforehand.

These 300,000 seedlings will be " sold " at a symbolic price of five cents (US\$ 0.05) each, from which US\$ 15,000.00 in revenue will be derived.

- Technical assistance for fertilizer, establishment of individual horticultural terraces and the enclosing of 500 hectares

or 1,230 acres of land against the problems caused by free grazing. It is to be noted that a private fertilizer market, encouraged by the new clientele, will result.

CHAPTER III

3.- INPUTS AND OUTPUTS

3.1. INPUTS

The following inputs will be needed for Project implementation :

3.1.1. Human Resources

Technical

Director	1
Foreign B.S.	2
Haitian B.S.	1
Monitors	13

Administrative

- Liaison Office	1
Administrator	1
Bookkeeper	1
Secretary	1
Driver	1
Messenger	1

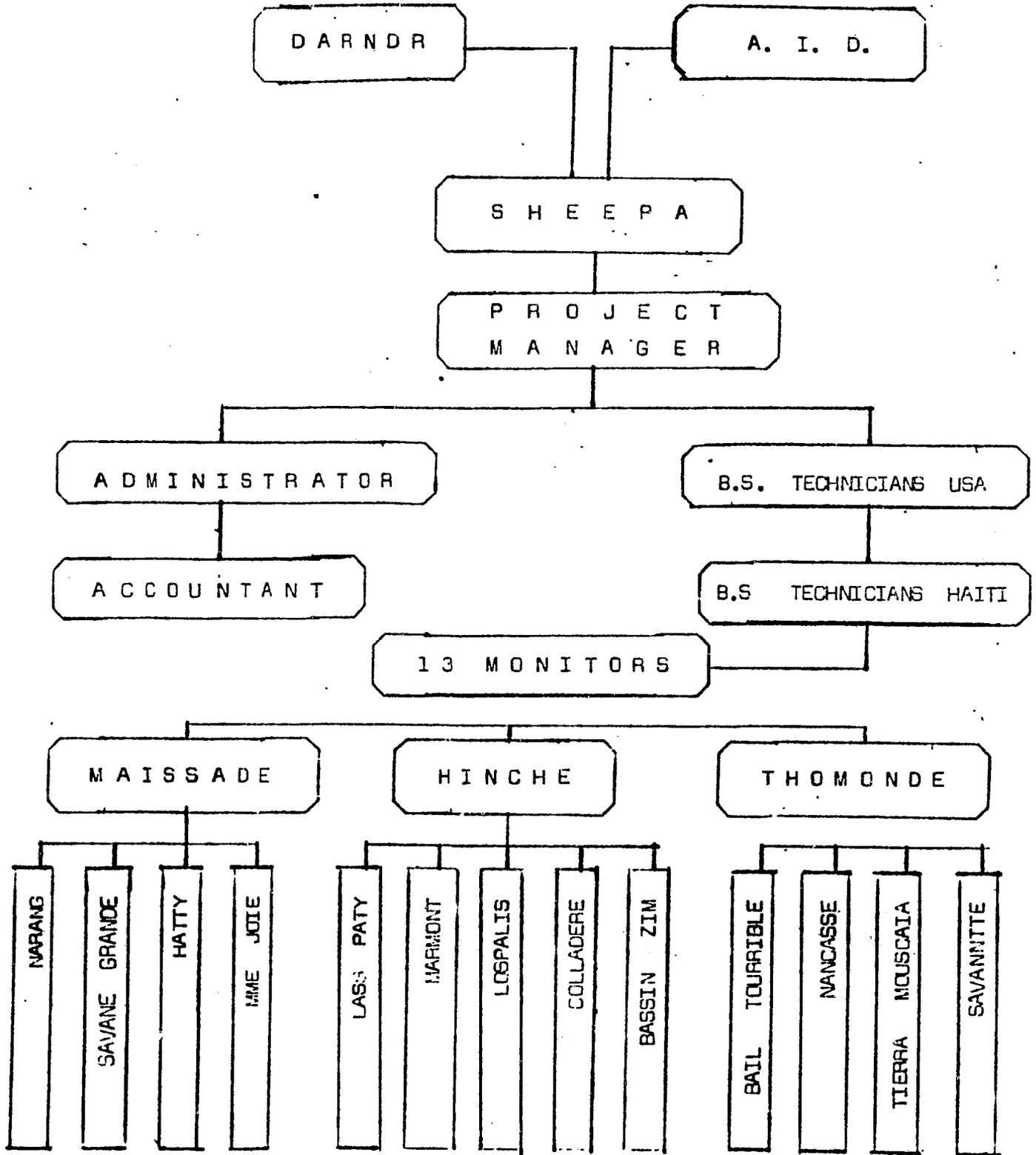
- Regional Office

Housekeeper	1
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PRINCIPAL CONSULTANTS	4
-----------------------	---

OCCASIONAL CONSULTANTS	6
------------------------	---

O R G A N I G R A M



3.1.2. Material Resources

Fixed (Real)

Liaison Office (rented in Port-au-Prince)
Regional Office (rented in Hinche)
Land for nurseries (donated by SHEEPA)

Movable (Personal)

For Liaison Office
For Regional Office
For Guesthouse

Rolling Stock

All-terrain vehicles 2
All-terrain vehicle 1 (Donated by SHEEPA)

Agricultural Tools

For nurseries
For soil conservation

Audio-Visual Materials

One 35 mm. camera 11
One video-cassette machine 1
One television
Didactic Supplies
Films

GAS AND LUBRICANTS

3.1.3. Financial Resources

Project Cost		US\$ 547,000.00
		<u>=====</u>
Less: SHEEPA Contribution	\$ 11,000	
Sale Of Seedlings	15,000	
	<u>26,000</u>	26,000.00
AID Contribution		521,000.00
SHEEPA FEES	99,984	18,28%
	<u>547,000</u>	<u>547,000</u>

NOTE : It remains understood that subsequent arrangements may be carried out as needed, in agreement with the funding agency. The planting cost per hectare, all included, is plus ou minus US\$ 338,00.

3.2 OUTPUTS

3.2.1. Expected Situation at the End of Project : HORIZON 1985

The Project will not encroach upon anyone's interests. To the contrary, it will reconcile the divergent interests of the existing producer and consumers, no matter the social classes to which they belong.

The inputs thus set up will allow, at the official end of the Project, for the achievement of the following :

- The production and planting of 300,000 fruit plants and a valid guarantee of success for same ;
- The creation of 50 permanent direct jobs in the course of twenty-four (24) months, and a not insignificant number of indirect jobs;
- The technical training of thirteen (13) Monitors for training and supervision;
- The recycling training of ten (10) DARNDR Agricultural Agents;
- The production of informational technical materials in Creole language;
- The improvement and protection of 500 hectares or 1,230 acres of land through the use of fertiliser, simple anti-erosion structures, and installation of perennial plant cover;

- The technical consciousness-raising of 1,040 farmers, who are heads of families comprising an average of seven persons (father, mother and 5 children), thus , about 7,300 people who will directly benefit from the results of the Project.

- In addition, if we consider that the services of elements outside the family must necessarily be called upon in any production activity, we can easily anticipate that at least 3,000 to 4,000 other people will participate in the support work.

- We must also take into account the demonstration effect at the school level in the 13 communities concerned, which will easily affect a school population estimated to be 9,000 ; thus a population of direct beneficiaries, of one type or another, numbering 21,000.

- Finally, this kind of Project in the area, it is almost sure, will likely entice other more projects: on a national scale. Such a Project will take the apocalyptic anguish that haunts the peasant's minds as they confront the frightening tableau of erosion, malnutrition and, poverty, that carelessness of some and the irresponsibility of others have fostered on the surface of this piece of land that has been called - and, despite all this, continues to be called, - the PEARL OF THE ANTILLES.

3.2.2. Medium-Term Impact : HORIZON 1987

In addition, this Project will bring about a flood of reactions, among which are the following :

- From the beginning of the " Fruition Period " of the 300.000 fruit trees, about US\$ 5,000,000.00 will be injected each year for twenty or so years into the rural economic cycle.
- The diet of the producing and urban consuming populations of HINCHE, MAISSADE, THOMONDE, MIREBALAIS and PORT AU PRINCE will be improved.
- The blossoming forth of food conservation cottage industries.
- The predictable birth of associated private economic activities (sale of fertilizer, transportation and conditioning).
- The establishment of agro-industries for the processing of fruit harvests, which will create rural and urban jobs for people of both sexes, though this type of industry usually uses women for the most part. This leaves the men free for agriculture.

3.2.3 Long-Term Impact : HORIZON 1990

The Long-Term - and not least important - outputs of the Project are the following :

- A definite impact on the ecology : the 500 initial hectares (1.230 acres) will become 1,000 or 2,000 hectares (2.460 or 4.920 acres) seven years from now, through the personal and voluntary effort of the peasant motivated by the economic aspect of his

farming.

- It will also have the effect of reducing the pressure on the land caused by crops that are cut, thus slowing erosion and the rhythm of sand development of Lake PELIGRE.

- Finally, and especially, the Project will bring about the opening of new horizons for and bring hope to the PLATEAU CENTRAL peasant, as well as new attitudes of confidence in himself and in others. This will be DEVELOPMENT in process.

B U D G E T

1 - Research on and Improvement of Varieties	U.S.\$146,220.-
2 - Technical Training	63,667.-
3 - Production, Planting, Technical Assistance	167,341.-
4 - Management and Supervision	<u>169,772.-</u>
TOTAL	U.S. \$547,000.-

Less:

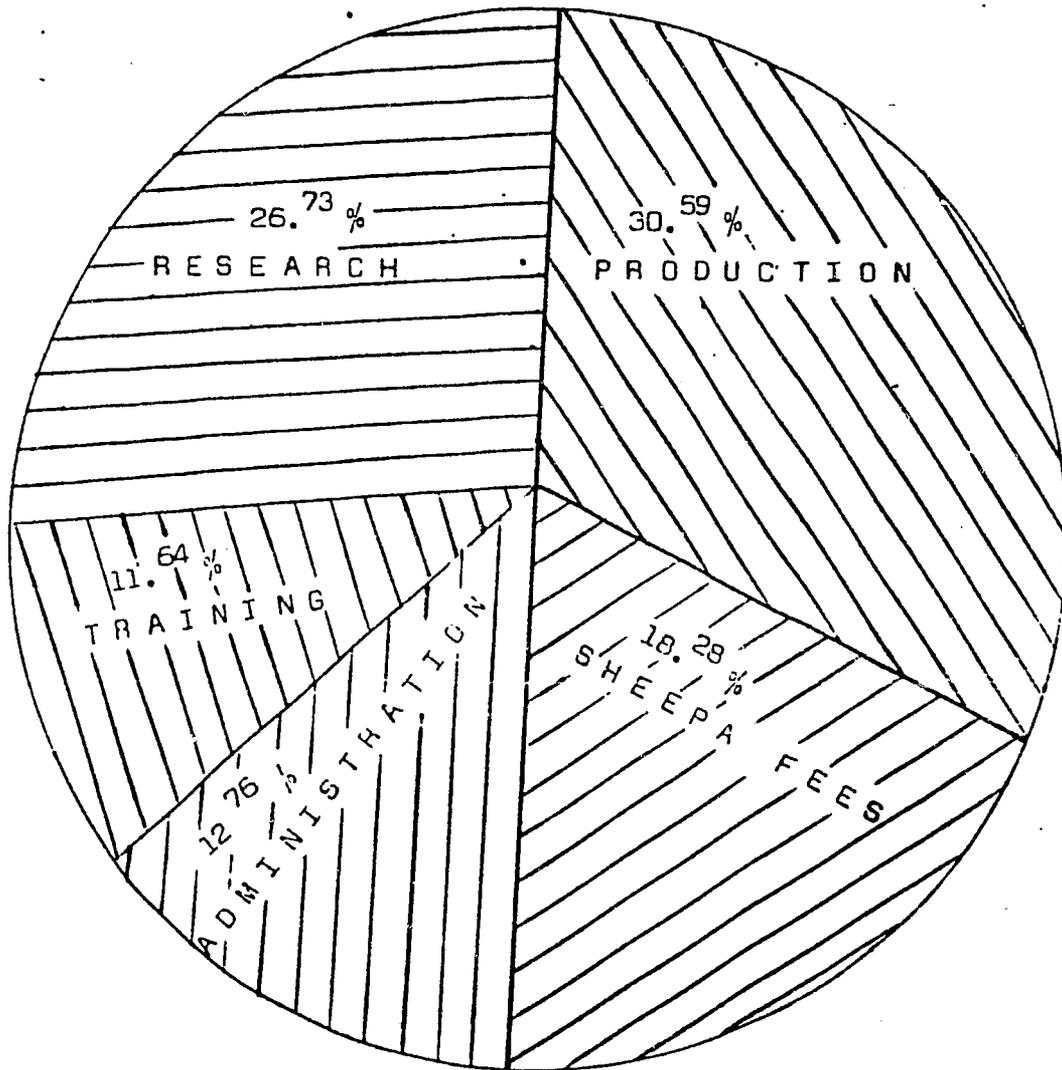
SHEEPA participation	\$11,000.-	
Revenue from sale of seedlings	<u>15,000.-</u>	<u>26,000.-</u>

TOTAL U.S. A.I.D. GRANT U.S.\$521,000.-

FIVE HUNDRED TWENTY-ONE THOUSAND DOLLARS AND 00/100

B U D G E T D I S T R I B U T I O N

O F U S \$ 547.000.00



ESTIMATED BUDGET

Office rent and Utilities

Arrangement of Guest House in Mincha

Land for nurseries (SHEEPA contribution)

1 Jeep with Trailer (SHEEPA contribution)

2 All-terrain vehicles

Audio-Visual materials

Administrative supplies and equipment

Office supplies

Agricultural equipment

Plastic bags

Irrigation equipment

Manure (Poultry litter)

Gas and oil costs

Fertilizer

Fees and honoraria

Consulting fees

Salary for the S.S. in Horticulture (all)

Insurance (technician/labor/vehicles)

Purchase of local seeds, insecticides

Travel abroad by all S.S.s in Horticulture

Purchase of Plasm, Gera and cultivation

Setting-up of irrigation system (nursery)

Nursery labor and maintenance

Salary of counterpart technician

Barbed Wire

Monitor's salaries

Per diem for agents in training

Allocation for hospitality for agents

Agent rocc and board costs

Printing, translation and collating of research

Technical texts in Quechua

Vehicle maintenance

Audit

Final report

Various expenses and omissions

Vacation and bonus

TOTAL INVESTMENT

less

Nursery land (SHEEPA contribution)

Jeep with trailer (SHEEPA contribution)

Revenue from sale of seedings

TOTAL DISBURSEMENT

	April	May	June	July	August	September	October	November	December	January	Feb
Office rent and Utilities	\$ 500.-	\$ 500.-	\$ 500.-	\$ 500.-	\$ 500.-	\$ 500.-	\$ 500.-	\$ 500.-	\$ 500.-	\$ 500.-	\$ 500.-
Arrangement of Guest House in Mincha	3,600.-	-	-	-	-	-	-	-	-	-	-
Land for nurseries (SHEEPA contribution)	1,000.-	-	-	-	-	-	-	-	-	-	-
1 Jeep with Trailer (SHEEPA contribution)	10,000.-	-	-	-	-	-	-	-	-	-	-
2 All-terrain vehicles	30,000.-	-	-	-	-	-	-	-	-	-	-
Audio-Visual materials	3,500.-	-	-	-	-	-	-	-	-	-	-
Administrative supplies and equipment	5,000.-	-	-	-	-	-	-	-	-	-	-
Office supplies	400.-	-	200.-	-	200.-	-	100.-	-	200.-	-	-
Agricultural equipment	6,500.-	-	-	-	-	-	-	-	-	-	-
Plastic bags	5,000.-	-	-	-	-	-	-	-	-	-	-
Irrigation equipment	3,000.-	-	-	-	-	-	-	-	-	-	-
Manure (Poultry litter)	1,500.-	-	-	-	-	-	-	-	-	-	-
Gas and oil costs	6,300.-	720.-	720.-	720.-	720.-	720.-	720.-	720.-	720.-	720.-	720.-
Fertilizer	1,740.-	-	-	-	-	-	-	-	-	-	-
Fees and honoraria	4,166.-	-	-	-	-	-	-	-	-	-	-
Consulting fees	350.-	350.-	350.-	350.-	350.-	350.-	350.-	4,166.-	4,166.-	4,166.-	4
Salary for the S.S. in Horticulture (all)	4,000.-	4,000.-	4,000.-	4,000.-	4,000.-	4,000.-	4,000.-	350.-	350.-	350.-	-
Insurance (technician/labor/vehicles)	4,000.-	-	-	-	-	-	-	4,000.-	4,000.-	4,000.-	4
Purchase of local seeds, insecticides	-	8,500.-	-	-	-	-	-	-	-	-	-
Travel abroad by all S.S.s in Horticulture	-	4,000.-	-	-	-	-	-	-	-	-	-
Purchase of Plasm, Gera and cultivation	-	6,000.-	-	-	-	-	-	-	-	-	-
Setting-up of irrigation system (nursery)	-	500.-	-	-	-	-	-	-	-	-	-
Nursery labor and maintenance	-	2,000.-	2,000.-	2,000.-	2,000.-	2,000.-	2,000.-	2,000.-	2,000.-	2,000.-	2
Salary of counterpart technician	-	600.-	600.-	600.-	600.-	600.-	600.-	600.-	600.-	600.-	-
Barbed Wire	-	20,000.-	-	-	-	-	-	-	-	-	-
Monitor's salaries	-	-	-	-	1,950.-	1,950.-	1,950.-	1,950.-	1,950.-	1,950.-	1,950.-
Per diem for agents in training	-	-	-	-	1,950.-	1,550.-	-	-	-	-	-
Allocation for hospitality for agents	-	-	-	-	260.-	260.-	-	-	-	-	-
Agent rocc and board costs	-	-	-	-	-	-	390.-	390.-	390.-	390.-	-
Printing, translation and collating of research	-	-	-	-	-	-	-	-	-	2,000.-	-
Technical texts in Quechua	-	-	-	-	-	-	-	-	-	2,000.-	-
Vehicle maintenance	-	-	-	-	-	-	-	-	300.-	-	-
Audit	-	-	-	-	-	-	-	-	-	-	-
Final report	-	-	-	-	-	-	-	-	-	-	-
Various expenses and omissions	5,840.-	1,701.-	925.-	925.-	1,237.-	1,237.-	1,101.-	1,101.-	1,123.-	1,476.-	1
Vacation and bonus	-	-	-	-	-	-	-	-	14,700.-	-	-
TOTAL INVESTMENT	90,726.-	53,037.-	13,461.-	13,261.-	17,933.-	17,733.-	15,877.-	15,777.-	30,999.-	21,152.-	11
less											
Nursery land (SHEEPA contribution)	1,000.-	-	-	-	-	-	-	-	-	-	-
Jeep with trailer (SHEEPA contribution)	10,000.-	-	-	-	-	-	-	-	-	-	-
Revenue from sale of seedings	-	-	-	-	-	-	-	-	-	-	-
TOTAL DISBURSEMENT	79,726.-	53,037.-	13,261.-	13,261.-	17,733.-	17,733.-	15,777.-	15,777.-	30,799.-	21,152.-	11

February : March : April : May : June : July : August : September : October : November : December : January : February : March : TOTAL :

\$ 500.-	\$ 500.-	\$ 500.-	\$ 500.-	\$ 500.-	\$ 500.-	\$ 500.-	\$ 500.-	\$ 500.-	\$ 500.-	\$ 500.-	\$ 500.-	\$ 500.-	\$ 500.-	\$ 500.-	\$ 500.-	\$ 12,000.-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3,600.-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,000.-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10,000.-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30,000.-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3,500.-
135.-	-	200.-	-	100.-	-	200.-	-	200.-	-	200.-	-	200.-	-	200.-	-	5,000.-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,235.-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6,500.-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5,000.-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3,000.-
720.-	720.-	720.-	720.-	720.-	720.-	720.-	720.-	720.-	720.-	720.-	720.-	720.-	720.-	720.-	720.-	1,500.-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17,190.-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,740.-
4,166.-	4,166.-	4,166.-	4,166.-	4,166.-	4,166.-	4,166.-	4,166.-	4,166.-	4,166.-	4,166.-	4,166.-	4,166.-	4,166.-	4,166.-	4,166.-	99,984.-
350.-	350.-	350.-	350.-	350.-	350.-	350.-	350.-	350.-	350.-	350.-	350.-	350.-	350.-	350.-	350.-	8,400.-
4,000.-	4,000.-	4,000.-	4,000.-	4,000.-	4,000.-	4,000.-	4,000.-	4,000.-	4,000.-	4,000.-	4,000.-	4,000.-	4,000.-	4,000.-	4,000.-	96,000.-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4,000.-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6,500.-
-	-	4,000.-	-	-	-	-	-	-	-	-	-	-	-	-	-	8,000.-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6,000.-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	500.-
2,000.-	2,000.-	2,000.-	1,900.-	1,850.-	1,750.-	1,550.-	1,350.-	1,250.-	1,150.-	1,150.-	1,050.-	1,000.-	900.-	900.-	900.-	20,900.-
600.-	600.-	600.-	600.-	600.-	600.-	600.-	600.-	600.-	600.-	600.-	600.-	600.-	600.-	600.-	600.-	13,800.-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20,000.-
1,950.-	1,950.-	1,950.-	1,950.-	1,950.-	1,950.-	1,950.-	1,950.-	1,950.-	1,950.-	1,950.-	1,950.-	1,950.-	1,950.-	1,950.-	1,950.-	39,000.-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3,900.-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	520.-
390.-	390.-	390.-	390.-	390.-	390.-	390.-	390.-	390.-	390.-	390.-	390.-	390.-	390.-	390.-	390.-	7,020.-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,000.-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3,000.-
-	550.-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3,000.-
-	3,000.-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6,000.-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,000.-
1,101.-	1,367.-	1,403.-	1,093.-	1,134.-	1,082.-	1,067.-	1,138.-	1,044.-	1,036.-	1,123.-	1,029.-	1,026.-	1,502.-	1,502.-	1,502.-	34,811.-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19,600.-
15,912.-	19,593.-	20,279.-	15,629.-	16,360.-	15,508.-	15,493.-	16,314.-	15,070.-	14,862.-	35,889.-	14,758.-	14,902.-	26,428.-	26,428.-	26,428.-	547,000.-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,000.-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10,000.-
15,777.-	19,593.-	20,077.-	15,629.-	16,360.-	15,508.-	15,293.-	16,314.-	14,970.-	14,862.-	35,889.-	14,755.-	14,702.-	26,428.-	26,428.-	26,428.-	521,000.-

BUDGETARY EXPENSES

BY ACTIVITIES GROUP

	: Research	: Training	: Production	: Administration	: TOTAL
	: &	:	:	: tion	:
	: Improvement:	:	:	:	:
<hr/>					
I. SHEEPA contribution:					
- Nursery land	: 200.-:	:	: 800.-:	:	: 1,000.
- 1 Jeep with trailer	:	:	: 10,000.-:	:	: 10,000.
II. US AID contribution:					
- Rent of central office and Utilities	:	:	:	: 12,000.-:	: 12,000.
- Administrative materials and equipment	: 1,500.-:	:	:	: 3,500.-:	: 5,000.
- Regional office and Guest House	: 1,500.-:	: 600.-:	: 1,500.-:	:	: 3,600.
- Audio-Visual materials	:	: 3,500.-:	:	:	: 3,500.
- Training: board/room expenses	:	: 520.-:	:	:	: 520.
- Training: per diem	:	: 3,900.-:	:	:	: 3,900.
- Translation of texts into Creole	:	: 3,000.-:	:	:	: 3,000.
- Printing of Creole texts	:	: 2,000.-:	:	:	: 2,000.
- Office supplies	: 635.-:	:	:	: 1,600.-:	: 2,235.
- Agricultural equipment	: 2,500.-:	:	: 4,000.-:	:	: 6,500.
- Irrigation & Spraying pumps	: 1,500.-:	:	: 1,500.-:	:	: 3,000.
					<hr/>
					556,255.-

BROUGHT FORWARD

556,255.-

	: Research	: Training	: Production	: Administra:	TOTAL
	: &	:	:	:tion.	:
	:Improvement:	:	:	:	:
			BROUGHT FORWARD		: 56,255
- Installation of irri-	:	:	:	:	:
gation system pumps	: 200.-:	:	: 300.-:	:	: 500
- Polyethylene bags	: 1,000.-:	:	: 4,000.-:	:	: 5,000
- Fertilizer and insecti-	:	:	:	:	:
cides	: 500.-:	:	: 1,240.-:	:	: 1,740
- Manure and compost	: 500.-:	:	: 1,000.-:	:	: 1,500
- Barbed wire for enclos-	:	:	:	:	:
ing gardens	:	:	: 20,000.-:	:	: 20,000
- Local seeds	: 500.-:	:	: 6,000.-:	:	: 6,500
- Imported seeds	: 6,000.-:	:	:	:	: 6,000
- Travel abroad for B.S.	: 8,000.-:	:	:	:	: 8,000
- Salaries for 2 U.S.B.S.s:	60,000.-:	36,000.-:	:	:	: 96,000
- Salaries for 1 Haitian	:	:	:	:	:
B.S.	: 3,800.-:	:	: 10,000.-:	:	: 13,800
- Salaries for 13 monitors:	:	:	: 39,000.-:	:	: 39,000
- Monitors' lodging &	:	:	:	:	:
setting-up exps.	:	:	: 7,020.-:	:	: 7,020
- Day labor/nurseries	: 13,900.-:	:	: 25,000.-:	:	: 38,900
- Consultants' fees	: 2,000.-:	5,400.-:	: 1,000.-:	:	: 8,400
- Vacation bonus	:	:	:	:	:
(Haitian law)	: 12,940.-:	:	: 11,640.-:	14,620.-:	: 39,200
- Purchase of 2 vehicles	: 15,000.-:	:	:	: 15,000.-:	: 30,000
- Gas & Lubrificants	: 5,000.-:	:	: 9,600.-:	: 2,590.-:	: 17,190
- Vehicle maintenance	: 2,000.-:	:	: 2,000.-:	: 1,200.-:	: 5,200
- Insurance for vehicles	:	:	:	:	:
and staff	: 1,000.-:	1,000.-:	: 1,500.-:	: 500.-:	: 4,000
			BROUGHT FORWARD		\$404 205

: Research : Training : Production :Administra: TOTAL
 : & : : :tion :
 :Improvement: : : :

			BROUGHT FORWARD		\$404,20
- Audit	:	:	:	:	6,000.-: 6,00
- Reports	:	300.-:	:	:	1,700.-: 2,00
- SHEEPA supervision honoraria	:	:	:	:	99,084.-: 99,98
- Contingencies	:	9,545.-:	3,947.-:	10,241.-:	11,078.-: 34,81
		<u>\$146,220.-</u>	<u>\$63,667.-</u>	<u>\$167,341.-</u>	<u>\$547,000.-</u> <u>\$547,000</u>

RECAPITULATION:	TOTAL BUDGETARY EXPENSES		\$547,000.-
	Less:		
	1) SHEEPA contribution	\$11,000.-	
	2) Sale of seedlings	<u>15,000.-</u>	<u>\$26,000.-</u>

AMOUNT TO BE DISBURSED BY U.S. A.I.D. U.S. \$521,000.-

FIVE HUNDRED TWENTY-ONE THOUSAND DOLLARS & 00/100

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TIME LINE OF ACTIVITIES OVER A TWENTY FOUR
MONTHS PERIOD (1983 - 1985)

	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.
OBJECTIVES
RECRUITMENT	XXX
ORGANIZATION	XXX	XXX
PURCHASE OF SEEDS	.	XXX	XXX
B.S. TRAVEL TO USA	.	XXX	XXX
RENTAL OF LAND	XXX	XX
NURSERIES	.	.	XXX									
TRAINING OF MONITORS	.	.	XX	XXX	XX
TRAINING OF VOLUNTEERS	XX	XXX	XXX
PREPARATION OF SOIL	XXX	XXX
CONSOLIDATION ENCLOSURES	XXX	XXX
DISTRIBUTION OF SEEDLINGS	XXX	XXX	XXX	XXX
TECHNICAL ASSISTANCE	XXX																
FOLLOW - UP	.	.	.	XXX																				
RESEARCH	.	XXX																						
PREPARATION OF TRAINING CENTER	XXX	XXX
FINAL REPORT	XX	XXX
USE OF A - V AIDS	XXX																							

A. I. D. - SHEEPA

RESEARCH ON

AND

IMPROVEMENT OF VARIETIES

Land	US \$	200.-
Regional Office and Guesthouse		1,500.-
Administrative materials and equipment		1,500.-
Agricultural Equipment		2,500.-
Polyethylene Bags		1,000.-
Pump and Irrigation Equipment		1,500.-
Installation of Irrigation System Pump		200.-
Manure		500.-
Fertilizer and Insecticide		500.-
Salary for U.S.A. B.S. (partial): re/Tr re/Training		60,000.-
Local Seeds		500.-
Travel Abroad for B.S.		8,000.-
Selected Seeds		6,000.-
Vehicles		15,000.-
Gas and lubricants		5,000.-
Vehicle Maintenance		2,000.-
Day Labor		13,900.-
Insurance for vehicles and staff		1,000.-
Fees for Professional Consultants		2,000.-
Bonus, Vacation, re/Haitian law		12,940.-
Periodical Reports, bulletin/related fees		300.-
Office Supplies		635.-
Misc.		9,545.-
TOTAL	U.S.\$	<u>146,220.-</u>

ONE HUNDRED FORTY SIX THOUSAND TWO HUNDRED TWENTY DOLLARS AND 00 CENTS

TRAINING - MOTIVATION

Local Office	US\$ 600.-
Audio-Visual	3,500.-
Partial salary for 2 U.S.A. B.S. : re/ Research and Improvement	36,000.-
Partial Salary for Haitian B.S. : re/Production	3,800.-
Insurance for Vehicles & Staff : re/Production Vehicle	1,000.-
Fees for Professional Consultants & Lectures	5,400.-
Training per diem	3,900.-
Room & Board Expenses/Training Period	520.-
Translation of Text into Creole	3,000.-
Printing of Creole Text	2,000.-
Misc., Omissions, etc.	3,947.-
TOTAL	<u><u>563,617.-</u></u>

SIXTY-THREE THOUSAND SIX HUNDRED SIXTY-SEVEN DOLLARS AND 00 CENTS

PRODUCTION - PLANTING

TECHNICAL ASSISTANCE

Land	\$ 800.-
Jeep & Trailer	10,000.-
Regional Office & Store	1,500.-
Agricultural Equipment	4,000.-
Polyethylene Bags	4,000.-
Irrigation System and Spraying Pump	1,500.-
Installation of System	300.-
Manure	1,000.-
Fertilizer and Insecticide	1,240.-
Partial Salary for Haitian B.S.:	
re/Training Program	10,000.-
Local Seeds	6,000.-
Gas and Lubricants	9,600.-
Vehicle Maintenance	2,000.-
Day Labor/Nurseries	25,000.-
Barbed Wire for final Enclosure of Gardens	20,000.-
Salaries of Monitors	39,900.-
Expenses for Ledging and Setting-Up of Monitors	7,020.-
Insurance for Vehicles and Staff	1,500.-
Consulting Fees	1,000.-
Bonus and Vacation (Haitian Law)	11,640.-
Misc. and Omissions	10,241.-
	<hr/>
TOTAL	U.S.\$ 167,341.-

ONE HUNDRED SIXTY-SEVEN THOUSAND THREE HUNDRED FORTY-ONE DOLLARS AND 00/100

RESPONSABILITIES OF THE PROJECT ADMINISTRATOR

The basic responsibilities of the PROJECT ADMINISTRATOR of the " TREE CROP INVOLVMENT PRODUCT " are :

- 1.- To keep all books and financial reports pertaining to the PROJECT; under generally accepted accounting standards.
- 2.- To maintain all such books and reports as are necessary to provide an accumulation and segregation of all PROJECT cost, and to determine the use of all fund granted by U.S.AID/HAITI to the PROJECT.
- 3.- To issue :
 - a) Monthly statements showing the proer utilisations of the monthly advanced provided by AID.
 - b) Quarterly reports on both a narrative of progress and a " FINANCIAL REPORT ", those reports shall be provided to AID.
 - c) Annual reports gathering and analysing the four quarterly reports above mentioned.
- 4.- To be responsible towards AID for all disbursements of and procurements with AID funds granted to the TREE CROP INVOLVMENT PROJECT and for submitting the vouchers with justificative documents regarding expenditures made under the grant the process for advances of funds will be conform to the rules established by the U.S.AID/HAITI controller's office

- 5.- To be responsible for all T.C.I.P. contacts and agreements with third persons (house-owners, land-owners...)
- 6.- To assist the PROJECT Manager in the Administration of the PROJECT.

JOB DESCRIPTION OF THE TWO PROJECT TECHNICIEN

- Conduct a field survey throughout the ISLANDS of HISPANIOLA, JAMAICA and PUERTO-RICO to identify and collect germplasm material of already existing improved fruit cultivars / species;
- Establish information and material exchange connections with horticultural centers in the Caribbean region: Both private and public;
- Establish and maintain a germplasm repository for the observation and subsequent field work on the accessions;
- Maintain nursery facilities for production, release and distribution of appropriate seedling material;
- 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 elevations);
- Establish, maintain and monitor statistically designed field trials pertaining to (1) species/cultivar performance, (2) management techniques and (3) harvest and post harvest techniques.
- Devise and Manage a system for releasing and distributing seedling material from the nursery facilities.
- 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 COH.
- Gather and analysis 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 field.
- Prepare report 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.
- In addition to possessing the technical qualifications described above the two technicians are expected to:

Have or obtain proficiency in Haitian Creole;
Have working experience in a developing country.

C - REPORTS

The Grantee will be required to submit the following types of reports to U.S. AID/HAITI:

- (i) Quarterly progress reports in conformance with the Mission's " JOINT PROJECT IMPLEMENTATION PLAN ".

- (ii) Technical reports covering the status of the nursery/field trials.

- (iii) A final summarizing the outputs of the PROJECT, analusing its achievements and benefits and making recommendations for improved fruit " TREE CROP Production in HAITI.

CURRICULUM VITAE

STAFF SHEEP A

Hugues SYLVAIN	:	PRESIDENT
Paul Benoit SAINT-AIME	:	VICE-PRESIDENT
Lully THELEMAQUE	:	ADMINISTRATOR
Ludner MALARY	:	ACCOUNTANT
Harold SAINT-SURIN	:	STAFF MEMBER AGRONOMIST
Claude C. PIERRE-LOUIS	:	STAFF MEMBER AGRONOMIST
Réginald ELIE	:	B.S. TECHNICIAN U.S.A.
F. Roberts BLAIR Jr.	:	B.S. TECHNICIAN U.S.A.
Céramieux JOSEPH	:	B.S. TECHNICIAN HAITI

CURRICULUM VITAE

OF

HUGUES SYLVAIN

BUSINESS ADDRESS:

82, RUE DU CHAMP DE MARS
HATRESCO
PORT-AU-PRINCE, HAITI
PHONE: 2-3724

HEALTH

EXCELLENT

MARITAL STATUS

MARRIED, 2 CHILDREN

PROFESSIONAL EDUCATION:

- AGRONOMY (HAITI) FROM 1963 to 1965
FACULTY OF ECONOMICAL SCIENCE AND CIVIL
LAW FROM 1965 - 1968

- MILK INDUSTRY AND TROPICAL
STOCK - BREEDING WITH SCHOLARSHIP
BY F.A.O. (CHILE - COLUMBIA)
1967 - 1972

PROFESSIONAL EXPERIENCES:

- FRUIT EXTENSION TRIAL PLOTS AT "BON REP"
UNDER DRIP IRRIGATION SYSTEM FOR SHEEP
RESPONSIBLE 1982

- ASSISTANT TO THE DIRECTOR OF THE
" STATION EXPERIMENTALE BOVINE "
DEPARTMENT OF AGRICULTURE / HAITI
1965 - 1967

LANGUAGES:

CREOLE - SPANISH - ENGLISH - FRENCH

REFERENCES:

SHEEPA

PRESIDENTE

LIGHT MEMBER OF AFRICARE (WASHINGTON D.

- John RUGBY I.V.S.
1717 MASS. AVE. N.W.
SUITE 605
WASHINGTON D.C. 20036
U.S.A.

- Robert J. MACALISTER
DEPUTY CHIEF, SELECTED DEVELOPMENT
PROBLEMS DIVISION
(AFR/OR/SDP) ROOM 2400 - 1B
DEPARTMENT OF STATE USA
WASHINGTON D.C. 20 523

- DR. Joseph C. KENNEDY
DIRECTOR OF INTERNATIONAL DEVELOPMENT
AFRICARE
1601 CONNECTICUT AVE., N.W., SUITE 600
WASHINGTON D.C.
U.S.A.

- CORALITE TURBITT
PEACE CORPS DIRECTOR
KENYA - NAIROBI

- Jay P. JOHNSON
MISSION DIRECTOR OF AID
NIAMEY - NIGER - WEST AFRICA

I CERTIFY THAT THE ABOVE INFORMATION IS CORRECT.

HUGUES SYLVAIN

C U R R I C U L U M V I T A E

O F

PAUL BENOIT SAINT-AÏME

FAMILY SATTUS

MARRIED, 4 CHILDREN

PROFESSIONAL EDUCATION

- AGRICULTURAL TECHNICIAN

F.A.M.V. - E.M.A.

DAMIEN, HAITI. 1965

- ACCOUNTANT

ECOLE JULIEN CRAAN

PORT-AU-PRINCE, HAITI 1967

- STATISTICS/IHECE 1969

PORT-AU-PRINCE, HAITI

- ECONOMICS SCIENCES AND

COMMERCIALS/IHECE 1972

PORT-AU-PRINCE, HAITI

- WORLD TRADE CERTIFICATE

INTERNATIONAL TRADERS 1973

NEW YORK U.S.A.

- TRADE SEMINAR

DOMINICAN REPUBLIC 1974

- BUSINESS ADMINISTRATION
JUSCO
MINNEAPCLIS, MINN. 1976
NEW YORK U.S.A.
 - TRADE SEMINAR
UNIVERSITY OF MIAMI
School of Business Administration
International Finance and Marketing
MIAMI U.S.A. 1978
 - TRADE SEMINAR
UNIVERSITY OF MIAMI
School of Business Administration
International Finance and Marketing
MIAMI U.S.A. 1979
 - MARKETING PROSPECTING
SWISS, FRANCE AND GERMANY
1979
 - BUSINESS ADMINISTRATION/INACHEI
PORT-AU-PRINCE, HAITI. 1980
- SHEEPA
VICE-PRESIDENT to date

PROFESSIONAL EXPERIENCE:

- FLORE D'HAITI SA (FLOHAGA) OF
PRESIDENT AND GENERAL MANAGER
Herbal tea product with aromatic
leaves collected from Haitian plants.
The first and uniqueⁱⁿ the Caribbean
Countries, came out from a feasibility
study conceived and realised exclusively
by Paul B. SAINT-AIME. FLOHAGA has
its own farm expanded upon 20 has.
1970 to date

- INDUSTRIAL EXPORT SPECIALISED GIRL
DRESSES

HEAD OF ACCOUNTANT 1976

PORT-AU-PRINCE, HAITI

- " JOSCO D'HAITI "

ASSISTANT MANAGER THEN MANAGER
a Multinational firm based at
Minneapolis Minn. Specialised in
Feed Stuff and comodities.

PORT-AU-PRINCE, HAITI. 1972

- CARE FONDATION

PROGRAM OFFICER

PORT-AU-PRINCE, HAITI. 1970

S.O.V.I.R

- Field representative and credit offi-
cer, a PVO supported by a Catholic
Organisation, MISEREOR in Germany.

PORT-AU-PRINCE, HAITI 1965

D.A.R.N.D.R.

- FIELD AGRICULTURAL AGENT

PROVIDING TECHNIC ASSISTANCE TO
FARMERS ESSENTIALLY BY EDIFYING
AGRICULTURAL COOPERATIVES WITH SMALL
FARMERS

PORT-AU-PRINCE, HAITI

1957 - 1962

I CERTIFY THAT ABOVE WRITTEN IS CORRECT.

Paul Benoit SAINT-AIME

C U R R I C U L U M V I T A E

O F

LULLY THELEMAQUE

BUSINESS ADDRESS:

82, Rue du Champ de Mars

Port-au-Prince, HAITI

Phones: 2-3724 - 2-0950

Health

Excellent

Marital Status

Divorced and Separated, 2 Children

PROFESSIONAL EDUCATION

- Geneva Business School .

Broadway between 82nd Street and 83 rd
Street

GENERAL BUSINESS

NEW YORK U.S.A.

1968

EXPERIENCES:

- SHEEPA
ADMINISTRATOR to date
- HAITIAN TRANSFER EXPRESS CO.
HATREXCO
VICE-PRESIDENT - REGIONAL ADMINISTRATOR
PORT-AU-PRINCE, HAITI.
1970 to date
- HARVEY L. RED COMPANY
HEAD BOOKEEPER AND OFFICE MANAGER
NEW YORK U.S.A. 1970
- AIR FRANCE
CARGO AND TICKET AGENT
SAN JUAN, PUERTO-RICO
1969
- NORMAN THOMAS
FUND-BOOKEEPER
NEW YORK U.S.A.
1968
- LEAGUE FOR INDUSTRIAL DEMOCRACY
FULL CHARGE BOOKEEPER
NEW YORK U.S.A.
1966
- KINNEY NATIONAL
SERVICE-FOREMAN OF LABORES
NEW YORK U.S.A.
1964

- BARBERY SHOP
OWNER
HINCHE, HAITI

1962

I CERTIFY THE ABOVE IS CORRECT.

LULLY THELEMAJUE

CURRICULUM VITAE

OF

LUDNER MALARY

MARITAL STATUS

MARRIED, 3 CHILDREN

PROFESSIONAL EDUCATION:

- FACULTE DE DROIT DE PORT-AU-PRINCE
BACHELOR OF LAW
PORT-AU-PRINCE, HAITI. 1967
- INTERNATIONAL CORRESPONDENCE
SCHOOLS (ICS)
ACCOUNTING 1971
PORT-AU-PRINCE, HAITI.
- INTERNATIONAL CORRESPONDENCE SCHOOLS
BUSINESS ADMINISTRATION
PORT-AU-PRINCE, HAITI. 1974
- INSTITUT INTER AMERICAIN DES SCIENCES
AGRICOLES DE L'OECA
Training Course In Preparation and
Evaluation Of Agricultural Development
PORT-AU-PRINCE, HAITI
1972 - 1973

- CENTRE D'ETUDES FINANCIERES,
ECONOMIQUES ET BANCAIRES (C.E.F.E.B.)
TRAINING COURSE
PARIS 1976 - 1977

- INTER AMERICAN DEVELOPMENT BANK (IDB)
CONFERENCE ABOUT THE ADMINISTRATION
OF THE ROAD OPERATIONS AND THE
TECHNIC COOPERATION
PORT-AU-PRINCE, HAITI 1978

LANGUAGES:

FRENCH - CREOLE - ENGLISH

PRESENT JOB

- INSTITUT DE DEVELOPPEMENT AGRICOLE
ET INDUSTRIEL (I.D.A.I.)
SUBDIRECTOR TO THE AGRICULTURAL
CREDIT DIVISION 1965 to date

ALL THE DIPLOMAS AND CERTIFICATES SHALL BE SUBMITTED ON REQUEST.

LUDNER MALARY

CURRICULUM VITAE

O F

CLAUDE C. PIERRE-LOUIS

Health

Excellent

Marital Status

Married, 6 Children

PROFESSIONAL EDUCATION

- LAW - SCHOOL
Port-au-Prince, HAITI 1957

- AGRONOMY / State University
HAITI 1961

OTHERS STUDY

- VENEZUELA - MERIDA / F.A.O.
Incentive for Community involvement in
rural Development.
1960

- PARIS-FRANCE / B.D.P.A./O.A.S.
Planification Of Rural Development
1971

- COSTA-RICA / TURIJALBA - O.A.S.
Agrarian reform
1959

PROFESSIONAL EXPERIENCE :

SHEPA
STAFF MEMBER

to date

D.A.R.N.D.R

- HEAD OF NATURAL RESOURCES
DAMIEN, HAITI. 1982

WATERSHED

- SUPERVISOR AND MANAGEMENT
ARTIBONITE, HAITI. 1980

- SHAYS AND LA MANNO INCORPORATED
ACCOUNT RECEIVABLE CONTROL
NEW YORK U.S.A. 1973

- HIGH SCHOOL ZAIRE
SOCIAL SCIENCE TEACHER
ZAIRE AFRICA 1965

D.A.R.N.D.R.

- AGRONOMIST
IN NATURAL RESOURCES
DAMIEN, HAITI. 1951

Claude C. PILFRE-LOUIS

CURRICULUM VITAE

OF

HAROLD ST. SURIN

MARITAL STATUS

MARRIED, 3 CHILDREN

PROFESSIONAL EDUCATION

- AGRONOME
CATHOLIC UNIVERSITY OF CUENCA-EQUADOR
REVALIDATION 1974
- SPECIALISATION UPON RURAL DEVELOPMENT
RURAL ECONOMIC - COOPERATIVE AND LABOUR
ISRAEL / 1973
- RURAL DEVELOPMENT - ACCOUNTING MECHANIC
RURAL BANK - AGRICULTURAL TEACHING-RURAL
ADMINISTRATION - COOPERATIVE AND FEEDST
GERMAN FONDATION FOR RURAL DEVELOPMENT
1967
- AGRONOMY IN HAITI
1965

EXPERIENCES:

SHEEPA

STAFF MEMBER

HAITI

to date

- CONSULTANT BY ONAPI, HAITIAN
ENTREPRISES DIVISION (D.E.H.)
1982 to date

- RESPONSIBLE FOR RURAL COOPERATIVE
DEVELOPMENT PROGRAM, DRIPP
PETIT-GOAVE, HAITI.
1980 - 1981

- DEAN OF THE AGRICULTURAL COLLEGE
" CATHOLIC UNIVERSITY OF CUENCA ECUADOR
TEACHER OF: RURAL ADMINISTRATION, AND
MACHINE 1974 - 1980

- ESSENTIAL OIL ASSISTANCE PROGRAM,
AGRICULTURAL MACHINE AND COOPERATIVE
I.D.A.I.
1967 - 1974

I CERTIFY THE ABOVE IS CORRECT.

HAROLD ST. SURIN

CURRICULUM VITAE

O F

REGINALD ELIE

HEALTH:

EXCELLENT

MARITAL STATUS:

SINGLE

EDUCATION:

- CORNELL UNIVERSITY, ITHACA, N.Y.

B.S. IN AGRICULTURE

MAJOR: AGRONOMY

1980

- STATE UNIVERSITY AGRICULTURAL AND

TECHNICAL COLLEGE, FARMINGDALE, N.Y.

A.A.S. IN AGRICULTURE

MAJOR : AGRONOMY

1978

MAJOR SUBJECTS

MINOR SUBJECTS

FIELD CROPS

INTERNATIONAL

SOIL SCIENCE

AGRICULTURE

PLANT PROTECTION

PRIMARY & SECONDARY SCHOOL

- INSTITUTION ST. LOUIS DE GONZAGUE
PORT-AU-PRINCE, HAITI

1961 - 1971

- COLLEGE CANADO-HAITIEN
PORT-AU-PRINCE, HAITI

1971 - 1975

PROFESSIONAL EDUCATION:

- DOUBLE HARVEST
ASSISTANT MANAGER TREE NURSERY PROJECT
PORT-AU-PRINCE, HAITI. 1982

- FABRIQUE DE CONSERVES DE LEGUMES &
FRUITS, S.A. (FACOLEF)
FARMERS PROJECTS & CREDIT COORDINATOR
CAVAILLON, HAITI.

1981 - 1982

- HAITIAN AMERICAN MEAT PRODUCT CO
FOR MANAGER
(HAMPCO) PORT-AU-PRINCE, HAITI.

1980 - 1981

- COOPERATIVE EXTENSION SERVICE, N.Y.
ASSISTANT TO COUNTY AGRICULTURAL AGENT
NEW YORK U.S.A. 1979

- LEDON FRERES FARM - ST. RAPHAEL
FARMHAND, HAITI 1978

- FARMINGDALE COLLEGE DEMONSTRATION
STUDENT MONITOR
FARM, N.Y. U.S.A. 1977

LANGUAGES:

FRENCH, ENGLISH, CREOLE

REFERENCES:

WILL BE FURNISHED UPON REQUEST.

REGINALD ELIE

C R R I C U L U M V I T A E

O F

F. ROBERTS BLAIR, JR.

MARITAL STATUS

SINGLE

EDUCATION

- B.S.C. IN HORTICULTURE CORNELL
UNIVERSITY
ITHACA, NEW-YORK U.S.A. 1980
- A.A. SC. IN LAND SCAPE DEVELOPMENT
STATE UNIVERSITY AGRICULTURAL AND
TECHNICAL COLLEGE
FARMINGDALE
NEW YORK U.S.A. 1975

WORK EXPERIENCE

- ROSEAU BOTANIC GARDENS
HORTICULTURAL SUPERVISOR
ROSEAU DOMINICA, WEST INDIES.

REFERENCES:

DR. FELIX GREGORE, Chief Forestry
officier Direct supervision of all
rehabilitation activities by 65
subordinates in 42 acres botanic
garden. Planning, resource procureme
funding and personnel relations

1980

- SELF EMPLOYED HORTICULTURIST.
DESIGN, INSTALLATIONS, AND MAINTENANCE
OF INTERIOR AND EXTERIOR URBAN
GARDENS.

REFERENCES:

PROVIDE UPON REQUEST. - 9/74-10/80

- PEUT HOUSE GARDENER
HORTICULTURIST
STEWART R. MOTT, 800 PARK Ave.
NEW YORK N.Y. U.S.A.

REFERENCES:

MR. BARRY TURNER. MAINTENANCE OF
OF EXOTIC INTERIOR AND EXTERIOR
PRIVATE PLANT COLLECTION
1978 - 1979

- JAMES WEIR FLORIST
FLORIST AND HORTICULTURAL CONSULTANT
BROOKLYN N.Y. U.S.A.

REFERENCES:

MRS. CHARLOTTE ATKINS
1977 - 1978

- HEAD GARDENER, BROOKLYN NAVY YARD
HORTICULTURIST
BROOKLYN N.Y. U.S.A.

REFERENCES:

MR. TONY PETRIZZO. FIELD SUPERVISION
OF ALL GARDENING ACTIVITIES FOR THE
BICENTENNIAL 1976 - 1977

- GROUNDS KEEPER, Thomas WALKER ESTATE
MAINTENANCE OF TROPICAL ORNAMENTAL
AND ECONOMICAL PLANTINGS
SABANA, PUERTO-RICO
1973 - 1974

- GROUNDSKEEPER, CHARLS WILLIAMS ESTATE
Maintenance of extensive perennial
plantings
HAMPSTEAD, MARYLAND
1971 - 1972

- NURSERY MAN, GATEWAY GARDENS
GREEN HOUSE AND NURSERY PRODUCTION
MILLBROOK, N.Y. U.S.A.
1970 - 1971

HONORS:

PHI THETA KAPPA HONOR SOCIETY
1975

NATIONAL HORTICULTURAL HONOR SOCIETY
1980

F. ROBERTS BLAIR, JR

C R R I C U L U M V I T A E

O F

JOSEPH CERAMIEUX

HEALTH

EXCELLENT

MARITAL STATUS

MARRIED, 4 CHILDREN

PROFESSIONAL EDUCATION:

AGRONOMY / HAITI 1967

STAATS DOMANE

SUISSE 1973 - 1977

PROFESSIONAL EXPERIENCE:

- D.A.R.N.D.R.

AGRICULTURAL EXTENSION AND FORESTRY
DAMIEN 1980 to date

- D.R.I.P.P.

AGRICULTURAL EXTENSION - STOCK BREEDING
AND FORESTRY - LANDS MACHINE
PETIT-GOAVE 1978 - 1980

- D.A.R.N.D.R.

SUPERVISOR OF STOCK-BREEDING
HAITI 1977 - 1980

- RESPONSIBLE OF FOOD PRODUCTS FOR
SUPERVISOR FOOD PRODUCTS / PAM
PROJET EDAPS
FAO/HAITI
CEDAR CHIEF
LES CAYES 1969 - 1973

- SUPERVISOR COTTON-PRODUCT PROJET/
HINCHE, HAITI 1967 - 1969

REFERENCES:

D.A.R.N.D.R.
Nicolas L'ERISSON

I CERTIFY THAT ABOVE IS CORRECT.-

Joseph CERAMIEUX