

Progress Report

- a. Title:
SOIL PHOSPHORUS MOBILIZATION AND INCREASED CROP PRODUCTIVITY
WITH AGRO-FORESTRY IN THAILAND
- b. Organization receiving grant:
UNIVERSITY OF GEORGIA RESEARCH FOUNDATION INC.
Boyd Graduate Studies Research Center
Athens, Georgia 30602
- c. Project Identification No.:
7.109
- d. Principle Investigator:
Carl F. Jordan, Institute of Ecology, University of Georgia,
Athens, GA 30602 (404) 542-2968
- Co-Principle Investigator:
Jiragorn Gajaseni, Biology Dept, Faculty of Science,
Chulalongkorn University, Bangkok 10500, Thailand
- e. Grant No. DPE-5542-G-SS-8005-00
- f. Starting date: July 1, 1988
- g. Date of Report: Jan. 9, 1989

Purpose of Grant

The purpose of the project is to determine if productivity of crops grown as part of "Taungya" teak plantations in Northern Thailand can be increased and sustained without decreasing teak yield.

Specific Objectives

By utilizing agroforestry techniques during the early years of the plantation, it is anticipated that investigators can determine what species of trees in an agroforestry system will produce litter (mulch) most effective in promoting growth of annual crops and if the addition of organic mulch to the soil promotes growth through solubilization of phosphorus bound by iron and aluminum, and by clay minerals.

Activities, July 1- Jan 31, 1988.

Upon notification of receipt of the grant, co-principal investigator Jiragorn Gajaseni began organizing logistics of the project in Thailand. He made several visits to the field site at Lampang, Thailand, to lay out plans with the Forest Industry Organization there for establishing the experimental plantations.

In Sept., Miss Pornpimorn Vongsunsunee came from Bangkok Thailand to the University of Georgia, to begin graduate training as part of the AID sponsored program. She took classes for the fall quarter which extended through December.

In October, Dr. Carl Jordan visited Chulalongkorn University in Thailand, to coordinate plans and efforts to begin the program. Plans were made for establishing a laboratory in the Biology Dept. Also during the visit, Drs. Jordan and Gajaseni reported to the AID mission in Bangkok, met Dr. William Knowland, and explained the project to him.

In November, Dr. Jiragorn Gajaseni visited the Institute of Ecology, University of Georgia, to order supplies and equipment needed for the project, and to continue discussion of the program. He also was given a two-week tour of University of Georgia research projects in Southeastern United States.

From November through December, Nantana Ajchariyavich of the Biology Dept., Chulalongkorn University attended a laboratory training workshop at the University of Georgia. The purpose was to give her training in phosphorus fractionation techniques, necessary for the AID project. Ms. Ajchariyavich is a faculty member who will also be participating in the AID project.

To: Dr. Jordan
 From: Winona Fields

Date: January 10, 1989
 Reconciliation of December
 Status Report

Account Name AID RF JORDAN
 Account Number 10-21-RR271-211
 Termination date June 30, 1990
 Agency Grant Number OPE-5542-6-SS-8005-00
 Project Duration July 1, 1988 - June 30, 1990

	Grant Budget	Grant Amended Budget	Grant Prior Years Expenses	Beginning FY 88/89 Budget	Amended FY 88/89 Budget	FY 88/89 Expenses	Current Month Expenses	Obligations	Remaining Balance
Personal Services									
Monthly	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Salaried	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hourly	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Student	0.00	10000.00	0.00	0.00	10000.00	896.00	640.00	224.00	8240.00
Subtotal	0.00	10000.00	0.00	0.00	10000.00	896.00	640.00	224.00	8240.00
Travel	20000.00	20000.00	0.00	20000.00	20000.00	1727.73	0.00	0.00	18272.27
Expense	29000.00	29000.00	0.00	29000.00	29000.00	9932.45	2820.21	8322.07	7925.27
Equipment	13580.00	13580.00	0.00	13580.00	13580.00	0.00	13580.00	0.00	0.00
Staff Benefits	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Indirect Costs	31352.00	31352.00	0.00	31352.00	31352.00	3817.08	1051.90	26483.02	.00
Holdback	56000.00	46000.00	0.00	56000.00	46000.00	0.00	0.00	0.00	46000.00
UGARF	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	149932.00	149932.00	0.00	149932.00	149932.00	16373.26	18092.11	35029.09	80437.54

Grant Budget
 Total Amended Budget 149932.00
 Total Expenditure to date 34465.37
 Current obligations 35029.09
 Balance remaining 80437.54

FY 88/89 Budget
 FY 88/89 Amended Budget 149932.00
 FY 88/89 Expenditures 34465.37
 Current obligations 35029.09
 Balance remaining 80437.54