

PD-AAZ-~~397~~

UNITED STATES
INTERNATIONAL DEVELOPMENT COOPERATION AGENCY
AGENCY FOR INTERNATIONAL DEVELOPMENT
OUAGADOUGOU, BURKINA FASO

UNITED STATES ADDRESS
OUAGADOUGOU (I.D.)
DEPARTMENT OF STATE
WASHINGTON, D.C. 20520

INTERNATIONAL ADDRESS
U.S.A.I.D.
C/O AMERICAN EMBASSY
B.P. 35
OUAGADOUGOU BURKINA FASO

September 29, 1988

Mr. Jonathan W. Hooper
Dept. of Soil Science
North Carolina State University
Box 7619
Raleigh, North Carolina
27695-7619

Subject: Grant No. 698-0435-G-SS-8024-00

Dear Mr. Hooper:

Pursuant to the authority contained in the Foreign Assistance Act of 1961, as amended, the Agency for International Development (hereinafter referred to as "A.I.D." or "Grantor") hereby grants to you, Mr. Jonathan W. Hooper, (hereby referred to as "Grantee"), the sum of \$20,000 to provide support for the implementation of the Proposal entitled the "The Effect of Farmer-Built Filtrating Dike Systems on Increasing Soil Fertility and Reversing Soil Degradation in the Sahel Region of Africa" as described in the Grant Schedule and the Attachment 2, entitled "Program Description".

The Grant 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 during the period beginning with the effective date and ending December 31, 1989, subject to the special provisions of Attachment 1.

The Grant is made to you on the condition that the funds will be administered in accordance with the terms and conditions as set forth in Attachment 1; Schedule, Attachment 2; Program Description, Attachment 3; Mandatory Standard Provisions for U.S. Nongovernmental Grantees, and Attachment 4; Optional Standard Provisions for U.S. Nongovernmental Grantees.

Please sign the original and one copy of this letter to acknowledge your receipt of the Grant, and return the original to USAID.

Sincerely yours,


Herbert N. Miller
Mission Director

Attachments:

1. Schedule
2. Program Description
3. Mandatory Standard Provisions for U.S. Nongovernmental Grantees
4. Optional Standard Provisions for U.S. Nongovernmental Grantees

Acknowledged:

By Jonathan W. Hooper
Mr. Jonathan W. Hooper
Principal Collaborator

Funds Available Ernest Hardy
Controller: Ernest Hardy

Appropriation
Budget Allotment
Project No. 698-0435
Total Estimated Amount: \$20,000
Total Obligated Amount: \$20,000

Appropriation: 72-1181014
Allotment: GSSA-88-21686-KG12

ATTACHMENT I

SCHEDULE

A. Purpose of Grant

The purpose of the Grant is to provide support for the implementation of Research Proposal, project 698-0435-86 entitled "The Effect of Farmer-built Filtrating Dike Systems on Increasing Soil Fertility and Reversing Soil Degradation in the Sahel Region of Africa", as more specifically described in Attachment 2 to this Grant entitled "Program Description".

B. Period of Grant

1. The effective date of the Grant is September 29, 1988. The expiration date of the Grant is December 31, 1989.

C. Amount of Grant and Payment

1. AID hereby obligates the amount of \$20,000 for the purposes of this Grant.

2. Payment shall be made to the Grantee in accordance with procedures set forth in Attachment 3 Standard Provision No. 11 entitled "Payment - Periodic Advance".

D. Financial Plan

The Financial Plan for the Grant including local cost financing items must be approved by USAID/Burkina prior to the beginning of research activities in Burkina Faso. Revisions to the approved Financial Plan shall be made in accordance with Standard Provision of the Grant, entitled "Revision of Financial Plans".

E. Reporting and Evaluation

1. Progress Reports: An Interim Progress Report is required six months after arrival in country. This report is to be submitted to USAID/Burkina for distribution to the AID/W Technical Backstop Officer (Mr. Cal Martin, AFR/TR/ARD). AFR/TR/ARD will specify the technical reporting format that is required. This Report is due within 30 days following the six month period. The report will be required both in English and French languages.

2. Final Report: The Principal Collaborator should submit a Final Report to USAID/Burkina by January 31, 1990 for Report distribution 1 copy to AFR/TR/ARD, 1 copy to PPC/CDIE/DI, 1 copy each in French and English to USAID/Burkina and 3 copies in French to GOB collaborating institution. The Final Report should be sufficiently detailed to substantiate findings and to permit scientific evaluation of research. The reporting format will be provided by AFR/TR/ARD.

F. Special Provisions

1. Funds provided by this grant, except for initial travel to Burkina, may not be utilized until the Grantee provides the Grant Officer with acceptable evidence regarding (a) institutional arrangements with appropriate GOB institutions required for project implementation including evidence of GOB concurrence, and (b) Line-item budget for the grant period.

ATTACHMENT 2

PROGRAM DESCRIPTION

Project Overall Aim and Specific Objectives

The use of filtrating dikes and water harvesting techniques in the Sahel has been developed since the severe drought in the 70s. Soil moisture stress appears to be one of the most important cause of reduced crop yields in the region. The overall aim of this proposal, therefore, is to contribute to a better evaluation of water retention systems as key in production increase. Specifically the research will contribute to:

1. Determine the effect of filtrating dike on water retention, infiltration, and the plant-water relationship.
2. Determine any changes in the physical or chemical properties of soils due to filtrating dikes and the importance of those changes.
3. Compare crop yields for similar soils, with and without the use of dike systems, and determine the cause for those differences.
4. Evaluate the potential which filtrating dikes have for retarding or reversing soil degradation in the Sahelo-Sudanian region of Africa.

The attached complete proposal titled "The Effect of Farmer-built Filtrating Dike Systems on Increasing Soil Fertility and Reversing soil Degradation in the Sahel Region of Africa" is hereby made a part of this Program Description and is so retained as the detailed Program Description of the research program to be carried out under this Grant.