

DEPARTMENT OF STATE
AGENCY FOR INTERNATIONAL DEVELOPMENT
WASHINGTON, D.C. 20523

PD-AAQ-848
11/2/78

30 MAR 1978

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Mr. H. A. Fitzhugh
Project Leader
Winrock International Livestock
Research and Training Center
Morritlon, Arkansas 72110

Subject: Grant No. AID/DSAN-G-0005
Cognizant Technical Office:
DS/AGR

Dear Mr. Fitzhugh:

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 the Winrock International Livestock Research and Training Center (hereinafter referred to as "WILRTC" or "Grantee") the sum of \$25,000 (Twenty-Five Thousand Dollars) to provide support for the activity which is fully described in your Proposal dated January 26, 1978, for the implementation of your program entitled "Hair Sheep Production Systems - A Survey of Genetic Resources."

This Grant is effective, and obligation is made, as of September 1, 1978 and shall apply to commitments made by the Grantee in furtherance of program objectives during the period from September 1, 1978 through May 31, 1979.

This Grant is made to the WILRTC on condition that the funds will be administered under this grant in accordance with the terms and conditions as set forth in your Proposal, Attachment 1 entitled "Program Description," and Attachment 2 entitled "Standard Provisions," which are incorporated herein and made a part hereof. To the extent of any inconsistency between your Proposal and the Standard Provisions, and any other provisions which are made a part of this Grant by reference or otherwise, the Standard Provisions shall control.

CERTIFIED A TRUE COPY THIS
26 DAY OF

DS/PO OFFICIAL BY FILE

Please sign the Statement of Assurance of Compliance, enclosed herein as Attachment 3, and the original and eight (8) copies of this letter to acknowledge your acceptance of the conditions under which these funds have been granted.

Please return the Statement of Assurance of Compliance and the original and seven (7) copies of this Grant to the undersigned.

Sincerely yours,



Morton Darwin
Grant Officer
Agriculture/Nutrition Branch
Central Operations Division
Office of Contract Management

Attachments:

1. Program Description
2. Standard Provisions
3. Statement of Assurance and Compliance

ACKNOWLEDGED BY:

WINROCK INTERNATIONAL LIVESTOCK RESEARCH
AND TRAINING CENTER

BY:



PRINTED NAME: R. O. Wheeler

TITLE: President

DATE: May 5, 1978

FISCAL DATA

Appropriation No.: 72-1181021.3
Allotment No. : 843-31-099-00-20-81
PIO/T No. : 3188795
Project No. : 931-1155.11
Total Grant Amount: \$25,000

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PROGRAM DESCRIPTION

A. Purpose of Grant

The purpose of this Grant is to provide partial support to Winrock International Livestock Research and Training Center for a comprehensive survey and analyses of an agricultural resource development project entitled "Hair Sheep Production Systems - A Survey of Genetic Resources" to be held in the Caribbean region.

B. Specific Objectives

The specific objectives of this Grant are as follows:

1. Survey hair sheep resources in native environments, including Caribbean, Latin America, and Africa.
2. Analyze available data on growth, size, fertility, and mortality.
3. Publish comprehensive comparison of hair sheep productivity in their native environments.

C. Implementation

To achieve the above objectives, the Grantee shall carry out the following activities with funds provided by this Grant:

1. Utilize the expert services of Dr. G. E. Bradford, as the principal investigator on the survey of hair sheep resources in their native environments.
2. Administer funds to the above-named person for salary, travel, and administrative costs.
3. Publish a comprehensive final survey report of the project activity.

D. Report

Upon completion of all services under this Grant, the Grantee shall carry out the following:

1. Prepare a comprehensive final survey report on "Hair Sheep Production Systems - A Survey of Genetic Resources."

2. Submit ninety-six (96) copies of the report to:

Dr. Ned S. Raun, Project Leader
DS/AGR, Room 406, R.P.
Department of State
Agency for International Development
Washington, D.C. 20523

3. Submit three (3) copies to:

AID Documentation Coordinator
DS/RUI
Washington, D. C. 20523

4. Submit one (1) copy to the Grant Officer whose name and address appears on the covering letter of the grant.

E. Budget

1. AID's Share

AID's share is \$25,000 for the following listed items:

<u>ITEMS</u>	<u>AID's Share and Obligated Amount</u> <u>FR: 9/1/78 TO: 5/31/79</u>
(a) Salary and Administrative Costs	\$20,000
Dr. G. E. Bradford, Principal Investigator	
(b) Travel	5,000
Transportation, meals, and lodging	<hr/>
AID's Grand Total	\$25,000

Reimbursement to the Grantee shall be made in accordance with Standard Provision No. 7C, Payment - Reimbursement.

Overhead costs and fringe benefits have been excluded from AID's share. Overhead costs and fringe benefits will be absorbed by the Grantee.

The Grantee may not exceed AID's Grand Total of the "Budget". Adjustments between the line items are unrestricted.

2. GRANTEE'S Share

The Grantee's share is \$48,300 for the following listed items:

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GRANTEE'S Share
FR: 9/1/78
TO: 5/31/79

<u>Items</u>	
1. Salaries	\$ 8,500
a. Technical Assistants - \$5,000	
b. Secretarial-Clerical - \$3,500	
2. Fringe Benefits @ 18%	5,100
3. Travel	13,200
a. Transportation - \$7,000	
b. Meals and lodging - \$6,200	
4. Communications	1,100
a. Telephone - \$1,000	
b. Postage/Xerography - 100	
5. Computation/Reports - \$3,500	3,500
6. Indirect Costs - 30%	16,900
GRANTEE'S Grand Total	<u>\$48,300</u>

Total cost is estimated to be \$73,300, with \$25,000 provided by A.I.D. and the balance of \$48,000 provided by the Grantee.

F. Payment

Payment of allowable costs under this grant shall be in accordance with Standard Provisions No. 7C. entitled "Payment - Reimbursement." The Grantee will submit form numbers SF 1034, SF 269, and SF 270, as required by this payment provision to the following address

Agency for International Development
SER/FM/PAD
Washington, D. C. 20523

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G. Special Provisions

1. Alterations are made in the Standard Provisions of this grant, as follows:

a. Delete Provisions No. 5 (Negotiated Overhead Rates); 7A. (FRLC) and 7B. (Payment - Periodic Advance); 12A, B, and C (Title to Use of Property and Care of Property); 15 (Voluntary Participation); 16 (Prohibition on Abortion - Related Activities); and 17 (Voluntary Participation Requirements for Sterilization Programs in their entirety).

b. Delete Provision No. 10, Procurement of Goods and Services Under \$250,000 in its entirety and substitute Amendment dated "October 1977" in lieu thereof, which is incorporated herein by reference and made a part hereof.

c. Submission of Standard Form (SF) 1034:

Each voucher (SF 1034) submitted by the grantee for payment shall have on its face sheet the following information:

Grant No. : AID/DSAN - 0005
Project No.: 931-1155.11
Project Office: DS/AGR

2. Travel

Pursuant to Provision No. 8, Travel and Transportation, prior to making any visits to LDCs, the Grantee will review his plans with DS/AGR. He will keep AID Missions in countries to be visited fully informed of proposed visits, ask them to provide any advice they wish regarding timing and content of the visits and to participate if they desire, and will inform the Missions of the outcomes of consultations. He will make his own appointments logistic arrangements directly. Upon completion of any project funded travel, a copy of the trip report will be provided to the DS/AGR Project Manager, cited under D.2 (Report). The report format will be established jointly by the Grantee and the Project Manager.

3. Personnel

Compensation for Third Country National Personnel shall not exceed the Grantee's established policies and practices, or the level of salaries paid to equivalent personnel of equivalent technical competence.

4. Reimbursement of AID's Share

Reimbursement to AID under this grant shall be made in accordance with Standard Provision No. 3 entitled "Refunds".

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Hair Sheep Production Systems
- A Survey Of Genetic Resources -

Problem Statement

A state of the arts study, The Role of Sheep and Goats in Agricultural Development, was jointly sponsored in 1977 by Winrock International and the U.S. Agency for International Development TA/AGR. The final report from this study and the proceedings of a Workshop with the same title have been influential in creating new awareness of the contributions of sheep and goats to the welfare of producers and consumers, alike, in the developing world.

Important opportunities for improving these contributions were identified in this study. A particular example was the potential of hair sheep in the humid tropics. Unlike woolled sheep, the sleek coats of hair sheep are well suited to the high temperature and humidity of the tropics. The reputed high prolificacy and early maturity of hair sheep offer potential for high turnoff of lamb, mutton and hides contributing to better nutrition and income for the families of smallholders.

Hair sheep are found through the Caribbean region. Their origin was probably West Africa where substantial numbers are still located. With the exception of a few isolated populations, such as the Barbados Blackbelly and the Mexican "pelibuey", few documented production coefficients are available for these important resources. Without better knowledge of their true productivity and genetic potential, it is difficult to develop effective genetic improvement programs and efficient production systems.

A major agricultural development project has been proposed to improve sheep production in the Caribbean region. A principal objective of this proposal is to develop performance certified breeding stocks to be used in upgrading local unimproved populations of Caribbean sheep. These sheep are primarily found in small flocks (4 to 5 head) owned by smallholders.

The first step to accomplishment of this principal objective is a thorough survey of hair sheep resources and detailed documentation of their productivity. This survey will be accomplished between September, 1978 and May, 1979. Production records from

producer-owned and the few experiment station flocks will be analyzed to evaluate average levels of growth, fertility, mortality and other production measures and the degree of variation about these averages.

Results of the survey and analyses will be published and made available to producers, planners and other interested parties. These results will be immediately applied to the selection of the breeding stocks which will serve as the base for developing performance certified stocks. Further details on this and the other objectives of the development project are given in the document "Sheep Production Systems Appropriate To The Caribbean Region."

Objectives

1. Survey hair sheep resources in native environments, including Caribbean, Latin America and Africa.
2. Analyze available data on growth, size, fertility, and mortality.
3. Publish comprehensive comparison of hair sheep productivity in their native environments.

Personnel

Project Leader - H. A. Fitzhugh

Principal Investigator - G. E. Bradford

Participating Scientists - G. E. Cooper
M. E. Sarhan

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