

FUNDS OBLIGATED

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

Approp. No. 72-11X1026
Alloc. No. 426-31-099-00-20-61
Obj. No. 3168995-001.01.259
Amount \$ 15,000.00
Proj. No. 931-11-999-003-73

PD-AND-460
ISN 37744

Dr. Lawrence Apple
North Carolina State University
School of Agriculture and Life Science
Box 5306
Raleigh, North Carolina 17607

JUN 17 1976
6/18/76
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Subject: Grant No. AID/ta-G-1330
P10/T No. 3168995;
931-11-999-003-73

Dear Dr. Apple:

Pursuant to the Foreign Assistance Act of 1961, as amended, the Agency for International Development (hereinafter referred to as "A.I.D." and/or the "Grantor") hereby grants to North Carolina State University (hereinafter referred to as the "Grantee") the sum of Fifteen Thousand Dollars (\$15,000) to provide partial support for an International Workshop on Bacterial Wilt to be conducted at North Carolina State University during the period July 19 through July 24, 1976.

The funds of this Grant are to be used to defray travel and per diem expenses for participants attending the International Workshop from Developing Countries as set forth in Attachment I hereto entitled "Program Description".

This Grant is effective as of the date of this letter and shall apply to commitments made by the Grantee in furtherance of program objectives from that date to August 19, 1976.

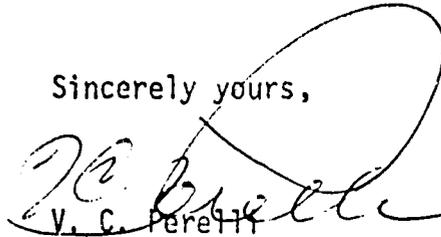
The subject Grant is made to North Carolina State University, on condition that the Grantee shall carry out the activities as more fully

described in the Program Description (Attachment A) and shall administer the funds in accordance with the Budget contained in Attachment A, 5 of the aforementioned Program Description and the Terms and Conditions (Attachment B) entitled "Standard Provisions", which are incorporated herein and made a part hereof.

Please sign the Statement of Assurance of Compliance, enclosed herein, 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 Office of Contract Management.

Sincerely yours,



V. C. Peretti
Grant Officer
Technical Assistance Branch
Central Operations Division
Office of Contract Management

Enclosures:

- Attachment A - Program Description
- " B - Standard Provisions
- " C - Payment Provision
- " D - Statement of Assurance of Compliance

ACKNOWLEDGED:

NORTH CAROLINA STATE UNIVERSITY

BY: J. Lawrence Apple

TITLE: Asst. Director of Research

DATE: June 25, 1976



1. Purpose

The purpose of this Grant is to contribute funds for expenses incurred for travel and per diem of participants coming from developing countries to attend an International Workshop on Bacterial Wilt from July 19 to 24, 1976 at North Carolina State University.

2. Background

While many research projects are focusing attention on the major food crops of the developing countries, much less attention has been given to subsistence crops of rural families. The home garden provides an appreciable portion of the nutrients consumed by the small farmers' family, at least during part of the year, but many plantings such as tomatoes, peanuts, sesame, potatoes, and peppers produce disappointing harvests because of attacks by bacterial wilt. The same disease also attacks at least 200 plant hosts including extensive plantings such as banana, plantain, and tobacco. Efforts to control the soil-borne disease with chemicals have met very limited success. North Carolina plant scientists in collaboration with other specialists have concentrated their efforts on biological control methods particularly developing genetic resistance to the disease. This has involved a method for maintaining in vitro a virile culture of Pseudomonas in order to positively test the inherent resistance of new breeding lines of the usually susceptible crops. The time now seems appropriate to convene the relatively few researchers of this disease to: (1) observe the system being used by North Carolina; (2) report any other recent advances in developed and developing countries; (3) ascertain the most important needs for further research; (4) develop a network for regular communication and coordination of work among research organizations studying Bacterial Wilt; (5) focus on variability of the pathogen and coordinate standard serological and other procedures for rapid identification of different strains on a worldwide basis.

3. Implementation

The Universities of North Carolina, Wisconsin, and California will organize an International workshop to be held at Raleigh in July 1976. The intended duration is one week. A large part of the total funding required for such a workshop is to provide travel and per diem costs for about 40 anticipated participants from developing countries. The meeting will consist of laboratory workshop sessions, field trips, demonstrations, conferences by recognized experts of taxonomy, genetics, and physiology of P. solanacearum and methods of control. An end product of the workshop will be a set of recommendations and proposed plans for further research on bacterial wilt.

4. Workshop Plan

Monday through Friday

8:00 a.m. - 12:00 p.m. Workshops in each of six major areas of research:

1. Biotype differentiation
2. Isolation procedures
3. Root and soil ecology
4. Variability
5. Disease resistance
6. Pathogenesis

1:30 - 4:00 p.m. Roundtable discussions for problem solving; groups of 10-12 research workers to draw plans for attack on diseases caused by P. solanacearum on major crops and to define specific problems that have impeded progress in research on this bacterium. Field trips to evaluate effectiveness of control measures.

7:00 - 9:00 p.m. Lectures on three specific topics, such as biochemical and serological identification of biotypes, distribution and evolution of biotypes, root and soil ecology of different biotypes; genetics of resistance in different crops.

5. Budget

The budget for this grant will be used for travel and per diem of 8 participants from the following developing countries:

<u>Country</u>	<u>Number of Participants</u>	<u>Roundtrip Airfare</u>
Nigeria	2	\$3,872
Kenya	1	1,732
India	2	2,926
Sri Lanka	1	2,012
Philippines	1	1,628
Brazil	1	986
Total Travel		\$13,156
Per Diem - 8 Participants @ 33/day - 7 days		1,844
Total Budget		\$15,000

6. Reports

A detailed report of the workshop, as well as the resulting recommendations and proposed future research, will be provided to TA/AGR by the University of North Carolina within one month after the workshop. Evaluation will be provided by the host institutions, as well as TA/AGR representation at the workshop. Ten copies of the above report will be provided to the Project Monitor at the below listed address:

Dr. Edward Rice, TA/AGR
Office of Agriculture
Agency for International Development
Washington, D.C. 20523

STANDARD PROVISIONS

a. Allowable Costs and Payment (Oct. 1974)

The Grantee shall be reimbursed for costs incurred in carrying out the purposes of this Grant which are determined by the Grant Officer to be allowable in accordance with the terms of this Grant and Subpart 15.2 of the Federal Procurement Regulations (FPR) (Principles and Procedures for use in Cost Reimbursement Type Supply and Research Contracts with Commercial Organizations)* in effect on the date of this Grant. Payment of allowable costs shall be in accordance with Attachment C of this Grant.

[*If this Grant is made to a university, the applicable cost principles are "Federal Management Circular, 73-8 (Cost Principles for Educational Institutions)" instead of Subpart 15.2 of the FPR as cited above]

b. Accounting, Records, and Audit (Oct. 1974)

The Grantee shall maintain books, records, documents, and other evidence in accordance with the Grantee's usual accounting procedures to sufficiently substantiate charges to the grant. The Grantee shall preserve and make available such records for examination and audit by AID and the Comptroller General of the United States, or their authorized representatives (1) until the expiration of three years from the date of termination of the program and (2) for such longer period, if any, as is required to complete an audit and to resolve all questions concerning expenditures unless written approval has been obtained from the AID Grant Officer to dispose of the records. AID follows generally accepted auditing practices in determining that there is proper accounting and use of grant funds. The Grantee agrees to include the requirements of this clause in any subordinate agreement hereunder.

c. Refunds (Oct. 1974)

(1) If use of the Grant funds results in accrual of interest to the Grantee or to any other person to whom Grantee makes such funds available in carrying out the purposes of this Grant, Grantee shall refund to AID an amount equivalent to the amount of interest accrued.

(2) Funds obligated hereunder but not disbursed to the Grantee at the time the grant expires or is terminated, shall revert to AID, except for funds encumbered by the Grantee by a legally binding transaction applicable to this Grant. Any funds disbursed to but not expended by the Grantee at the time of expiration or termination of the Grant shall be refunded to AID.

(3) If, at any time during the life of the Grant, it is determined by AID that funds provided under the Grant have been expended for purposes not in accordance with the terms of the Grant, the Grantee shall refund such amounts to AID.

d. Equal Opportunity Employment (Oct. 1974)

With regard to the employment of persons in the U.S. under this Grant, Grantee agrees to take all reasonable steps to ensure equality of opportunity in its employment practices without regard to race, religion, sex, color or national origin of such persons and that, in accordance with Title VI of the Civil Rights Act of 1964, when work funded by this Grant is performed in the U.S. no person shall, on the grounds of race, religion, sex, color or national origin, be excluded from participation, be denied benefits, or be subjected to discrimination. In addition, the Grantee agrees to comply in accordance with its written assurance of compliance, with the provisions of Part 209 of Chapter II, Title 22 of the Code of Federal Regulations, entitled "Non-Discrimination in Federally Assisted Programs of the Agency for International Development - Effectuation of Title VI of the Civil Rights Act of 1964."

e. Termination (Oct. 1974)

This Grant may be terminated at any time, in whole or in part, by the Grant Officer upon written notice to the Grantee, whenever for any reason he shall determine that such termination is in the best interest of the Government. Upon receipt of and in accordance with such notice, the Grantee shall forthwith take immediate action to minimize all expenditures and obligations financed by this Grant, and shall cancel such unliquidated obligations whenever possible. Except as provided below, no further reimbursement shall be made after the effective date of termination, and the Grantee shall within thirty (30) calendar days after the effective date of such termination repay to the Grantor all unexpended portions of funds theretofore paid by the Grantor to the Grantee which are not otherwise obligated by a legally binding transaction applicable to this Grant. Should the funds paid by the Grantor to the Grantee prior to the effective date of this termination of this Grant, be insufficient to cover the Grantee's obligations pursuant to the aforementioned legally binding transaction, the Grantee may submit to the Grantor within (90) calendar days after the effective date of such termination a written claim covering such obligations, and, subject to the limitations contained in the Grant, the Grant Officer shall determine the amount or amounts to be paid by the Grantor to the Grantee under such claim.

f. Officials Not to Benefit (Oct. 1974)

No member of or delegate to Congress or resident commissioner shall be admitted to any share or part of this Grant or to any benefit that may arise therefrom; but this provision shall not be construed to extend to this Grant if made with a corporation for its general benefit.

g. Covenant Against Contingent Fee (Oct. 1974)

The Grantee warrants that no person or selling agency has been employed or retained to solicit or secure this Grant upon an agreement or understanding for a commission, percentage, brokerage, or contingent fee except bona fide employees or bona fide established commercial or selling agencies maintained by the Grantee for the purpose of securing business. For breach or violation of this warranty, AID shall have the right to cancel this Grant without liability or, in its discretion, to deduct from the Grant amount, or otherwise recover, the full amount of each commission, percentage, brokerage, or contingent fee.

h. Nonliability (Oct. 1974)

AID does not assume liability with respect to any claims for damages arising out of work supported by its grants.

i. Amendment (Oct. 1974)

The Grant Agreement may be amended by formal modifications to the basic grant document or by means of an exchange of letters between the AID Grant Officer and an appropriate official of the Grantee.

j. Grant Agreement (Oct. 1974)

The letter to the Grantee signed by the Grant Officer, the Program Description and the Standard Provisions which have been reviewed and agreed to by the Grantee, constitute the Grant Agreement.

k. Notices (Oct. 1974)

Any notice given by any of the parties hereunder, shall be sufficient only if in writing and delivered in person or sent by telegraph, cable, registered or regular mail as follows:

To the cognizant AID Grant Officer

To Grantee - At Grantee's address shown in this Grant, or to such other address as either party shall designate by notice given as herein required. Notices hereunder, shall be effective when delivered in accordance with this clause or on the effective date of the notice, whichever is later.

• Publications

1. If it is the Grantee's intention to identify A.I.D.'s contribution to any publication resulting from this Grant, the Grantee shall consult with A.I.D. on the nature of the acknowledgment prior to publication.

2. The Grantee shall provide the Project Manager with one copy of all published works developed under the Grant. The Grantee shall provide the Project Manager with lists of other written work produced under the Grant.

3. In the event grant funds are used to underwrite the cost of publishing, in lieu of the publisher assuming this cost as is the normal practice, any profits or royalties up to the amount of such cost shall be credited to the Grant.

4. The Grantee is permitted to secure copyright to any publication produced or composed under the Grant. Provided, the Grantee agrees to and does hereby grant to the Government a royalty-free, non-exclusive and irrevocable license throughout the world to use, duplicate, disclose, or dispose of such publications in any manner and for any purpose and to permit others to do so.

m. Travel and Transportation

1. The Grant Officer hereby approves international travel for the foreign participants to the workshop being conducted at North Carolina State University provided the following conditions are met:

a. Written concurrence is obtained from the cognizant technical office in AID prior to the foreign participants beginning their travel to the United States.

b. The foreign participants travel by the most direct and expeditious route, and use less than first class transportation unless such use will result in unreasonable delay or increased cost.

c. All international air travel is made on United States flag carriers. Exceptions to this condition will be allowed in the following situations provided that the Grantee certifies to the facts in the voucher or other documents retained as part of his Grant records to support his claim for reimbursement and for post audit.

(i) Where a flight by a United States carrier is scheduled but does not have accommodations available when reservations are sought.

(ii) Where the departure time, routing, or other features of a United States carrier would interfere with or prevent the satisfactory performance of official business.

(iii) Where a scheduled flight by a United States carrier is delayed because of weather, mechanical, or other conditions to such an extent that use of non-United States carrier is in the Government's interest.

(iv) Where the appropriate class of accommodations is available on both United States and non-United States carriers, but the use of the United States carrier will result in higher total United States dollar cost to the grant due to additional per diem or other expenses.

(v) Where the appropriate class of accommodations is available only on a non-United States carrier and the cost of transportation and related per diem on the non-United States carrier is less than the cost of available accommodations of another class on a United States carrier and related per diem.

2. All international air shipments under this grant shall be made on United States flag carriers unless shipment would, in the judgment of the Grantee, be delayed an unreasonable time awaiting a United States carrier either at point of origin or transshipment provided that the Grantee certifies to the facts in the vouchers or other documents retained as part of the Grant records to support his claim for reimbursement and for post audit.

3. Travel allowances shall be reimbursed in accordance with the Federal Travel Regulations (FTR).

PAYMENT PROVISIONPeriodic Grant Disbursement

Each month, or at less frequent intervals as agreed upon in advance, Grantee will submit to the Office of Financial Management, FM/CSD, AID, Washington, D.C. 20523 Voucher Form SF 1034 (original) and SF 1034-A, three copies, each voucher identified by the appropriate grant number, in the amount of estimated cash needs for the following month. The voucher shall be supported by an original and two copies of a report rendered as follows:

Amount of Grant	\$xxx
Expended to date	\$xxx
Expended this period (by line item as set forth in budget)	
1.	\$xxx
2.	\$xxx
3.	\$xxx
etc.	
TOTAL THIS PERIOD	\$xxx
Advances outstanding to subgrantees (if any)	\$xxx
Anticipated expenditures next month (dates)	\$xxx
Cash received to date	\$xxx
Cash required next month	\$xxx

The report shall include a certification as follows:

"The undersigned hereby certifies: (1) that the above represents the best estimates of funds needed for expenditures to be incurred over the period described, (2) that appropriate refund or credit to the grant will be made in the event funds are not expended, (3) that appropriate refund will be made in the event of disallowance in accordance with the terms of this grant and (4) that any interest accrued on the funds made available herein will be refunded to AID.

BY _____
 TITLE _____ DATE _____