



PROJECT AUTHORIZATION AND REQUEST FOR ALLOTMENT OF FUNDS

PART II

ENTITY: Bureau for Development Support  
PROJECT TITLE: N-Fixation, Symbiotic - Hawaii (NIFTAL)  
PROJECT NUMBER: 931-0613

I hereby authorize FY 81 grant funds totaling \$700,000 for a seven (7) month administrative extension (from July 1, 1981 to January 31, 1982) of the Research Project "N-Fixation, Symbiotic (NIFTAL)" with the University of Hawaii. This extension will provide the time required to complete the review, approval and contracting processes for a full five (5) year extension of this project. The project's currently approved scope-of-work and all other conditions remain unchanged by this extension. This increase is included in the \$8,764,000 approved by the RAC.

Curtis Farrar  
Acting Assistant Administrator

Bureau for Development Support  
Date Curtis Farrar

JUN 25 1981

References:

1. Action Memorandum Fiester to Chapnick (attached)
2. Hawaii's letter requesting this extension dated May 8, 1981

Clearances:

DS/AGR/RNR, LFrederick	<u>L. Frederick</u>	Date <u>6/4/81</u>
DS/AGR/RNR, CSimkins	<u>Charles Simkins</u>	Date <u>6/4/81</u>
DS/AGR, MZozynski	<u>Mary G. Zozynski</u>	Date <u>6/4/81</u>
DS/AGR, JWalker	<u>James E. Walker</u>	Date <u>4 June 81</u>
DS/PO, ASilver	<u>ASilver</u>	Date <u>6/19/81</u>
DS/PO, MRehcigl	<u>M Rehcigl</u>	Date <u>6/23/81</u>
DS/PO, AMorales	<u>AMorales</u>	Date <u>6/22/81</u>
DS/AGR, DFiester	<u>Ronald D. Fiester</u>	Date <u>6/5/81</u>

# UNIVERSITY OF HAWAII

College of Tropical Agriculture and Human Resources  
Department of Agronomy and Soil Science  
NIFTAL Project

May 8, 1981  
JH-133-81

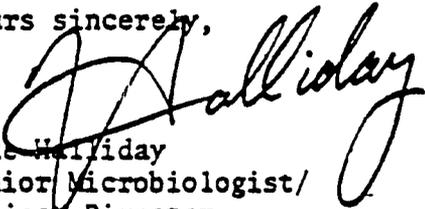
Mr. Morton Darwin  
Contracting Officer  
Agriculture/Nutrition Branch  
Central Operations Division  
Office of Contract Management  
Agency for International Development  
U. S. International Development Cooperation Agency  
Washington, D. C. 20523

Dear Mr. Darwin:

This is a request for a funded extension of the contract (AID/ta-C-1207) between the USAID and the University of Hawaii for implementation of the project entitled "Maximizing Symbiotic Fixation of Nitrogen by Grain and Forage Legumes in the Tropics" (NIFTAL Project).

There has been severe inflation of salary and travel related costs in the past two years--the very time when the networking phase of our workplan required a high staffing level and intensified foreign travel. As a result, the rate of implementation of the work plan has been constrained and will not be completed until January 31, 1982. The projected costs that will be incurred to sustain the project at its current operational level is \$700,000. A detailed breakdown of our current budgetary status and projected costs for July 1, 1980-January 1, 1981 is given in the attachment. Pipeline funds on June 30, 1980 are estimated to be close to zero.

Yours sincerely,

  
Jake Haliday  
Senior Microbiologist/  
Project Director

JH:rb

cc: L. R. Frederick

UNIVERSITY OF HAWAII, NIFTAL PROJECT  
 BUDGET REQUEST FOR FUNDED EXTENSION OF JULY 1, 1981 - FEBRUARY 28, 1982

	<u>Projected Expenditures June 1, 1975 - June 30, 1981</u>	<u>Projected Expenditures July 1, 1981 - Feb. 28, 1982</u>	<u>Projected Expenditures June 1, 1975 - Feb. 28, 1982</u>	<u>Total Fund Allocated 1975-1981</u>	<u>Funds Requested for July 1, 1981 - Feb. 28, 1982</u>
Salaries/Wages	1,270,610	267,638	1,538,248	1,273,687	264,561
Fringe	190,921	53,522	244,443	216,108	28,335
Consultants	18,320	5,833	24,153	26,395	(-2,242)
Network	78,284	59,500	137,784	94,000	43,784
Travel	168,248	25,669	193,917	125,694	68,233
Participants	119,314	25,800	145,114	126,123	18,991
Freight	3,301	7,000	10,301	10,000	301
Publications	16,100	10,750	-26,850	17,177	9,673
Equipment/Supplies	543,154	130,146	673,300	463,269	210,031
Subcontract	188,501	20,000	208,501	186,826	21,675
Vehicle Lease	16,929	1,000	17,929	25,313	(-7,384)
Indirect Costs	315,726	92,748	408,474	364,484	43,990
TOTAL	<u>2,929,408</u>	<u>699,606</u>	<u>3,629,014</u>	<u>2,929,066</u>	<u>699,948</u>

June 23, 1981

ACTION MEMORANDUM FOR THE ACTING ASSISTANT ADMINISTRATOR  
BUREAU FOR DEVELOPMENT SUPPORT.

FROM: DS/AGR, Donald R. Fiester

SUBJECT: N-Fixation, Symbiotic - Hawaii (NifTAL)

Problem: Your approval is required for a seven (7) month administrative extension, requiring FY81 funds totaling \$700,000, of the Research Project "N-Fixation, Symbiotic (NifTAL)" with the University of Hawaii.

Discussion:- Current Status of Project: This project is the keystone in DS/AGR's biological nitrogen fixation program. To optimize biological nitrogen fixation (BNF) this NifTAL project is: (a) building, testing and maintaining a collection of more than 1000 root nodule bacterial cultures (rhizobia) that provides effective, competitive strains for more than 50 tropical legumes used in tropical cropping systems; (b) training scientists in developing countries to work with rhizobia and BNF utilization; (c) conducting research on the application of BNF in tropical cropping systems; (d) coordinating, supplying protocol and materials for national scientists, and assisting in the evaluation of international legume inoculation trials; (e) building a network of scientists and others working in BNF through workshops, exchange of rhizobial cultures, and information dissemination, including a BNF Bulletin; and (f) providing technical support in research, training and legume inoculant production to national programs. In 1980-81, six-week courses were held in Malaysia and Nigeria. NifTAL staff participated in a course in Nigeria organized by IITA and a course in Peru organized by North Carolina State University. In addition, 6 scientists had intern training for a few months at NifTAL in Hawaii. International inoculation trials are being carried out by national scientists in about 150 sites in 20 countries. A technical assessment of inoculant production in Zambia was made in 1980, and assistance provided for inoculant production in Thailand.

Extension of Project: At the in-depth evaluation in July, 1980, the team strongly recommended continuation of support for this project with continuation of present activities, increased activity in the international trials and technical assistance, and a new activity to assess the economic value of BNF in tropical farming systems.

The University of Hawaii prepared a proposal for a 5-year extension of the project with increased activity and funding to meet the increasing interest in BNF by national programs. This proposal was reviewed by DS/AGR, DS/PO and the TPCA sub-committee. Suggestions for substantive change were minor and easily accommodated, but the budgetary analyses requested required extensive work. RAC reviewed the project in March 1981 and endorsed the five-year extension requested with a suggestion that the requested budget be carefully examined. The budget requested appears realistic for the work proposed. A reduction in funding level would reduce activity and prolong the time required to achieve

the project's objectives. A five-year extension is planned upon endorsement of the TPCA and approval by AA/DSB. In consideration of the future work load and review and approval process remaining, this five-year extension should be implemented by January, 1982. A continuation of this project as a cooperative agreement instead of a contract extension will require further negotiation with the University of Hawaii.

The extension requested herein for seven months with additional funding of \$700,000 will enable the University of Hawaii to continue the essential activities of the project under the currently approved scope-of-work until the five-year extension can be approved and implemented. Completion of the review, approval and contracting process for the full five-year extension of the project should be accomplished as soon as possible so the University of Hawaii can carry on these valuable activities without interruption.

Recommendation: That you approve this seven month administrative extension costing \$700,000 by signing the attached PAF. This increase is included in the \$8,764,000 approved by the RAC.

Attachments: a/s

Clearances:

DS/AGR/RNR, L. Frederick	<u>L. Frederick</u>	Date <u>6/11/81</u>
DS/AGR/RNR, C. Simkins	<u>C. Simkins</u>	Date <u>6/14/81</u>
DS/AGR, J. Walker	<u>J. Walker</u>	Date <u>4 JUNE 81</u>
DS/PO, A. Morales	<u>A. Morales</u>	Date <u>5/24/81</u>
DS/AGR, M. Mozynski	<u>Mary E. Mozynski</u>	Date <u>6/5/81</u>
DS/PO/RES, M. Rechcigl	<u>M. Rechcigl</u>	Date <u>6/17/81</u>

DS/AGR/RNR, L. Frederick:bb:235-8877