

9310130-③
931-11-120-130
PD-AAC-579-D1
58

GRANT PROJECT SUMMARY STATEMENT
Extension/Revision (non-funded)
North Carolina State University
AID/csd-2835
Biological Nitrogen Fixation

11 | 24 | 78

North Carolina State University (NCSU) has one of the strongest soils departments in the USA. The University has been actively involved in the international agriculture field, particularly in Latin America, for almost two decades. During this period it has acquired substantial experience with the developing countries. NCSU's major thrust and interest in Latin America has been in the area of evaluation and improvement of soil fertility - research, education, training and technical assistance. Numerous LDC students are presently engaged in soils studies at the University. The University has an ongoing research contract with TA/AGR in tropical soil fertility. Its technical assistance contract with L.A. Bureau in soil fertility evaluation expired in June 1975 after almost a decade. TA/AGR's 211(d) grant in soil fertility with NCSU is expiring in November 1975.

NCSU has indicated to AID that it is interested only in programs involving long-term commitment. The Agency has noted NCSU's unwillingness for one reason or another to accept various task orders for short term assistance from USAIDs in Latin America under its Basic Ordering Agreement. TA/AGR feels that, as a result of NCSU's negative attitude toward providing short-term technical assistance under limited agency commitments, a utilization grant in soil fertility for NCSU is not justifiable.

TA/AGR instead proposes that NCSU direct the use of a major portion of the remaining funds toward a particular soil fertility area, i.e., soil microbiology, especially biological nitrogen fixation. This redirection is suggested because U.S. experience in tropical soil microbiology is extremely meager. NCSU has four excellent microbiologists who are interested in LDC problems and can help build the U.S. institutional competence in this very critical field. They can help facilitate the LDC's reach for low-cost/low-energy fertilizer inputs for crop production. In this effort NCSU will be a part of the soils consortium (five universities). A more detailed description of this activity is given separately in a composite statement on "Biological Nitrogen Fixation" (provided with the four grant statements on tropical soils being offered for R&DC review).

The proposed two year budget for this phase will be approximately \$160,000 (the unused balance from the original 5 year grant of \$500,000).

TWO YEAR BUDGET (,000)

<u>Input</u>			<u>Output</u>	
			<u>Biol.N.</u>	<u>Soils</u>
Salaries	\$100	Knowledge Base	50	-
Travel	30	Adv. Cap.	10	25
Equipment	15	Edu. Training	20	-
Publications	5	Info.Cap.	20	5
Other	10	Linkages	10	20
	<u>\$160</u>		<u>110</u>	<u>50</u>

AGENCY FOR INTERNATIONAL DEVELOPMENT
**PROJECT AUTHORIZATION AND REQUEST
 FOR ALLOTMENT OF FUNDS PART I**

1. TRANSACTION CODE
 A ADD
 C CHANGE
 D DELETE

2. DOCUMENT CODE
5

3. COUNTRY/ENTITY DS/AGR RDA-4
 Type F. Section 211(d) Grant

4. DOCUMENT REVISION NUMBER
2

5. PROJECT NUMBER (7 digits)
[931-0130.11]

6. BUREAU/OFFICE
 A. SYMBOL B. CODE
 DSB **[10]**

7. PROJECT TITLE (Maximum 40 characters)
[Tropical Soils/BNF-NCSU]

8. PROJECT APPROVAL DECISION
 A APPROVED
 D DISAPPROVED
 DE DEAUTHORIZED

9. EST. PERIOD OF IMPLEMENTATION (Full 3 year extension)
 YRS **[0] [3]** QTRS **[0]**

10. APPROVED BUDGET AID APPROPRIATED FUNDS (\$000)

A. APPROPRIATION	B. PRIMARY PURPOSE CODE	PRIMARY TECH. CODE							
		C GRANT	D LOAN	F GRANT	G LOAN	I GRANT	J. LOAN	L GRANT	M. LOAN
(1) FN	145I	090	-	680	-	240	-	0	-
(2)									
(3)									
(4)									
TOTALS		680	-	240	-	0	-	-	-

A. APPROPRIATION	N3rd. FY 81		Q.4th. FY 82		LIFE OF PROJECT		11. PROJECT FUNDING AUTHORIZED	
	O. GRANT	P. LOAN	R. GRANT	S. LOAN	T. GRANT	U. LOAN	1. LIFE OF PROJECT	2. INCREMENTAL LIFE OF PROJECT
(1)	122	-	0	-	1042	-	2	-
(2)								
(3)								
(4)								
TOTALS		122	-	0	-	1042	-	81

12. INITIAL PROJECT FUNDING ALLOTMENT REQUESTED (\$000):

A. APPROPRIATION	B. ALLOTMENT REQUEST NO.	
	C. GRANT	D. LOAN
(1)		
(2)		
(3)		
(4)		
TOTALS		

13. FUNDS RESERVED FOR ALLOTMENT

TYPED NAME (C/N/L, SER: FM/FSD)

SIGNATURE

DATE

14. SOURCE/ORIGIN OF GOODS AND SERVICES
 000 941 LOCAL OTHER

15. FOR AMENDMENTS, NATURE OF CHANGE PROPOSED
 This amendment extends the life of this project/grant by three years (thru December 31, 1981) for continuing work on biological nitrogen fixation (BNF) which was initiated in July 1976. Of the \$680,000 approved thru 9/30/78, only \$154,000 was for work in BNF, the remaining \$526,000 was for work on soils. With this BNF 3 year extension, total project funding for 211(d) work on BNF will be \$516,000.

FOR PRC/PIAS USE ONLY

16. AUTHORIZING OFFICE SYMBOL

17. ACTION DATE
 MM DD YY

18. ACTION REFERENCE (Optional)

ACTION REFERENCE DATE
 MM DD YY

PROJECT AUTHORIZATION AND REQUEST FOR ALLOTMENT OF FUNDS

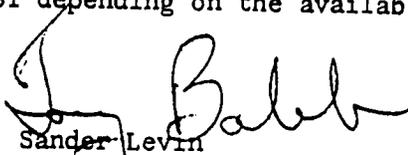
PART II

ENTITY: DS Bureau

PROJECT: Tropical Soils/BNF - NCSU

PROJECT NUMBER: 931-0130.11

I hereby authorize \$362,000 in grant funds for a three year extension (from December 31, 1978 to December 31, 1981) of the subject project (211(d) grant AID/csd-2835) with North Carolina State University for work on biological nitrogen fixation (BNF). This extension will be in incrementally funded with \$240,000 in FY 1979 and with \$122,000 in FY 1981 depending on the availability of funds.



Sander Levin

Assistant Administrator
for Development Support

11-24-78

Clearances:

DS/AGR/TSWM:LFrederick for 11/9/78
DS/AGR/TSWM:GCorey for 11/9/78
DS/AGR:DPeterson B DP for 11/23
DS/PO:RSimpson for 11/21
DAA/FN/DSB:TBabb B

References:

1. Action Memo: D. Peterson to AA/DS (attached)
2. Project Paper/Institutional Grant Project Statement
3. Grantee's Proposal

