

6210107001001

6210107 (4)

PAGE 1

PROJECT APPRAISAL REPORT (PAR)

1. PROJECT NO. 621-11-110-107	2. PAR FOR PERIOD: Nov. 1973 TO Dec. 31, 1974	3. COUNTRY United Rep. of Tanzania	4. PAR SERIAL NO. bp.
---	--	--	---------------------------------

PD-AAG-581-A1

AGRICULTURAL RESEARCH

6. PROJECT DURATION: Began FY <u>71</u> Ends FY <u>81</u>	7. DATE LATEST PROP March 29, 1971	8. DATE LATEST PIP -	9. DATE PRIOR PAR None
10. U.S. FUNDING	a. Cumulative Obligation Thru Prior FY: \$ 742,000	b. Current FY Estimated Budget: \$ 222,000	c. Estimated Budget to completion After Current FY: \$ 1,644,000

11. KEY ACTION AGENTS (Contractor, Participating Agency or Voluntary Agency)	
a. NAME International Institute of Tropical Agriculture (IITA)	b. CONTRACT, PASA OR VOL. AG. NO. REDSO/WA-C-74-7

I. NEW ACTIONS PROPOSED AND REQUESTED AS A RESULT OF THIS EVALUATION

A. ACTION (X)			IITA	B. LIST OF ACTIONS	C. PROPOSED ACTION COMPLETION DATE
USAID	AID/W	HOST			
x	x			Urge (and assist) IITA to recruit Team Leader.	Immediate
			x	Preparation and submission of financial and progress reports.	ASAP
		x	x	Identify candidates for participant training.	Apr.-May, 1975
		x		Improve financial support of project.	March, 1975
x			x	Review implications of divided project responsibility (i.e., USAID, IITA, CIMMYT, Ford Foundation) and make necessary adjustments to effect improved project implementation.	NLT May, 1975
x			x	Finalize procurement equipment under loan.	June, 1975
x	x			Indepth evaluation.	Jan., 1976

D. REPLANNING REQUIRES	E. DATE OF MISSION REVIEW					
REVISED OR NEW: <input checked="" type="checkbox"/> PROP <input type="checkbox"/> PIP <input type="checkbox"/> PRO AG <input type="checkbox"/> PIO/T <input type="checkbox"/> PIO/C <input type="checkbox"/> PIO/P	February 21, 1975					
PROJECT MANAGER: TYPED NAME, SIGNED INITIALS AND DATE			MISSION DIRECTOR: TYPED NAME, SIGNED INITIALS AND DATE			
H. C. Wiggin <i>H.C.W.</i> 7/24/75			Vernon C. Johnson <i>V.C.J.</i>			

AID 1020-25 (10-70) PAGE 2 PAR	PROJECT NO. 621-11-110-107	PAR FOR PERIOD: 1973- Nov. TO Dec. 31, 1974	COUNTRY United Rep. of Tanzania	PAR SERIAL NO.
-----------------------------------	-------------------------------	--	---------------------------------------	----------------

II. PERFORMANCE OF KEY INPUTS AND ACTION AGENTS

A. INPUT OR ACTION AGENT CONTRACTOR, PARTICIPATING AGENCY OR VOLUNTARY AGENCY	B. PERFORMANCE AGAINST PLAN							C. IMPORTANCE FOR ACHIEVING PROJECT PURPOSE (X)					
	UNSATISFACTORY		SATISFACTORY			OUT-STANDING		LOW			MEDIUM		HIGH
	1	2	3	4	5	6	7	1	2	3	4	5	
1. IITA: backstopping		X											X
2. IITA: field team				X									X
3.													

Comment on key factors determining rating: 1. Backstopping: Contractor has failed to recruit staff in a timely manner. The first two team members (one funded by Ford Foundation) arrived in November, 1973, almost two months before the contract was signed. The third member arrived in November, 1974. A fourth member has been approved, but will probably not arrive until April or May, 1975. The fifth member, the team leader, has not been recruited yet. However, had all team members been recruited in a timely manner, housing at Ilonga would have been a constraint. There is no evidence that housing was instrumental in slow recruitment by IITA. Housing for team leader is not a constraint. Contractor has not made the required financial reporting to date, although this was requested in June, 1974, to aid in preparation of the annual budget submission. Contractor has (continued)

4. PARTICIPANT TRAINING			X											X
-------------------------	--	--	---	--	--	--	--	--	--	--	--	--	--	---

Comment on key factors determining rating: Some difficulty in Ministry finding persons to be trained. This is common to all projects. Also, some difficulty in past with assignments to project after training. This seems to be resolved now. Recently returned participants have been assigned and are putting knowledge to use. Participants now in training are doing well.

5. COMMODITIES			X										X	
----------------	--	--	---	--	--	--	--	--	--	--	--	--	---	--

Comment on key factors determining rating: Grant commodities are being ordered by the contractor. Orders are placed through the Institute of International Education (IIE) in New York. Orders have been placed as planned; arrival is slow. This is expected because of the few ships calling at Dar es Salaam. However, there have been difficulties clearing equipment from the port because of failure of IIE to send necessary invoices & shipping documents to the Mission, as has been requested. Loan commodities have not been ordered because of failure of IITA to send specifications for equipment.

6. COOPERATING COUNTRY	a. PERSONNEL			X										X
	b. OTHER Financial		X											X

Comment on key factors determining rating: a. Personnel: Some difficulty assigning adequate counterparts. b. Financial: Funding has been generally inadequate. This is due to MinAg inability to present sufficient information and justification to the Ministry of Development Planning (DevPlan). DevPlan has been demanding more details because of the adverse economic situation in Tanzania.

A chief of party would have been instrumental in resolving this budget problem.

7. OTHER DONORS		X												
-----------------	--	---	--	--	--	--	--	--	--	--	--	--	--	--

(See Next Page for Comments on Other Donors)

AID 1020-25(10-70) PAGE 3 PAR	PROJECT NO. 621-11-110-107	PAR FOR PERIOD: Nov. 1973-Dec. 31, 1974	COUNTRY United Rep. of Tanzania	PAR SERIAL NO.
----------------------------------	-------------------------------	--	---------------------------------------	----------------

11. 7. Continued: Comment on key factors determining rating of Other Donors. Some administrative/management confusion and a certain amount of divided loyalties have resulted from the fact that four different agencies are represented in the project (AID, Ford Foundation, IITA and CIMMYT). Ford Foundation is contributing salary and support for the maize agronomist. Of particular concern from USAID's point of view is the absence of guidelines regarding the relationship of the various agencies and their responsibility for project implementation. The situation has also been exacerbated by the absence of a team leader. As an example, several project actions have been initiated in the past by Ford's regional office without appropriate coordination with USAID. Although this problem has not yet affected the actual research effort in the field and the performance of the maize agronomist, it has had adverse effect on personal relationships, dealings with MinAg, and the (continued)

III. KEY OUTPUT INDICATORS AND TARGETS

A. QUANTITATIVE INDICATORS FOR MAJOR OUTPUTS	TARGETS (Percentage/Rate/Amount)						
		CUMU- LATIVE PRIOR FY	CURRENT FY		FY 76	FY 77	END OF PROJECT
			TO DATE	TO END			
Improved varieties of maize and legumes. (Numbers not cumulative.) 1/	PLANNED	-	-	-	2	4	12
	ACTUAL PERFORMANCE	-	1				
	REPLANNED			1	1	3	12
Improved cultural practices for maize and legumes. (Numbers not cumulative.) 2/	PLANNED	-	-	-	1	2	6
	ACTUAL PERFORMANCE	-	-				
	REPLANNED			-	-	-	-
Village-level trials providing feedback to research team. (Numbers not cumulative.) 3/	PLANNED	-	116	116	130	150	200
	ACTUAL PERFORMANCE	-	116				
	REPLANNED			-	-	-	-
Participants, short course and academic. (Cumulative.)	PLANNED	1	8	8	13	18	24
	ACTUAL PERFORMANCE	1	8				
	REPLANNED			-	-	-	- 4/
B. QUALITATIVE INDICATORS FOR MAJOR OUTPUTS	COMMENT: <u>Target:</u> Centralized overall plans for research & manpower development, prepared several years in advance.						
1. Improved planning, administration and coordination of food crops research. 5/	Work on crops coordinated through research leaders throughout Tanzania. <u>Status:</u> Some coordination being done in MinAg, planning slowly being improved by Indian expatriate. Lack of team leader has adverse affect.						
2. Information flow to and from the field. 5/	COMMENT: <u>Target:</u> Scientists at Research Institutes & sub-stations are up-to-date in knowledge of the project. Reports current & widely distributed through Headquarters & Regions. <u>Status:</u> Reports delayed &/or lost. Station managers updated once a year. MinAg trying to improve situation, but needs help. Team leader can assist.						
3. Villagers have increased awareness of, & confidence in, research results, shown by acceptance of varieties, & practices.	COMMENT: <u>Target:</u> Villagers welcome village research trials & implement findings as proved on their sites. <u>Status:</u> Villagers cooperate on trials. New approach using research trials not yet shown effective, because only one year of work to date.						

AID 1020-25 (110-70) PAGE 4 PAR	PROJECT NO. 621-11-110-107	PAR FOR PERIOD: Nov. 1973-Dec.31,1974	COUNTRY United Rep. of Tanzania	PAR SERIAL NO.
------------------------------------	-------------------------------	--	------------------------------------	----------------

IV. PROJECT PURPOSE

A. 1. Statement of purpose as currently envisaged. Assist the Government of Tanzania to develop and carry out a coordinated national research program within the Ministry of Agriculture with emphasis on maize and food legumes. 2. Same as in PROP? YES NO

B. 1. Conditions which will exist when above purpose is achieved.	2. Evidence to date of progress toward these conditions.
1. Qualified Tanzanians conducting on-going applied research aimed at improving productivity of small farmers.	1. On-going participant training program, but participants not yet trained to level to permit independent work. Returned participants (2) and short-term trainees (5) assisting in project.
2. Research results available to small farmer & regular feedback to ensure research awareness of farmer problems with new varieties & cultural practices.	2. Participation in village-level trials indicates the small farmer's interest in improved and new varieties.
3. Foundation seed farms regularly supplied with improved high yield, high quality varieties of maize and food legume seed for multiplication.	3. Small quantities of improved maize varieties (2) supplied to Msimba seed farm for increase. New varieties from domestic breeding program will require several years to bring to testing stage.
4. Honor expertise no longer required to sustain effective research in food crops.	4. Expertise still needed.

V. PROGRAMMING GOAL

A. Statement of Programming Goal
Improve and increase agricultural production to meet the needs of the country and in particular to become self-sufficient in the production of food crops.

B. Will the achievement of the project purpose make a significant contribution to the programming goal, given the magnitude of the national problem? Cite evidence.
Yes. Maize is the preferred grain constituent of the Tanzanian diet and currently has to be imported to cover production shortfalls. Improved, higher yielding varieties and better husbandry practices could double the national yield average in a relatively short time, providing farmers accept new varieties and implement improved cultural practices. Edible legumes furnish high levels of protein and are consumed by Tanzanians. Better varieties and cultivation practices could make a formidable increase in production and availability. Soybeans have good potential as a source of domestic edible oil. Domestic oil is in short supply.

AID 1300-1 (7-00)	DEPARTMENT OF STATE AGENCY FOR INTERNATIONAL DEVELOPMENT	<input type="checkbox"/> Worksheet	<input checked="" type="checkbox"/> Issuance	PAGE <u>5</u> OF <u>6</u> PAGES
CONTINUATION SHEET		1. Cooperating Country United Rep. of Tanzania		2.a. Code No.
FORM SYMBOL		2.b. Effective Date		2.c. <input checked="" type="checkbox"/> Original OR <input type="checkbox"/> Amendment No. _____
PAR		TITLE OF FORM PROJECT APPRAISAL REPORT 3. Project/Activity No. and Title 621-11-110-107 AGRICULTURAL RESEARCH		

Indicate block numbers.	Use this form to complete the information required in any block of a PIO or PA/PR form.
II.A.1.	<p>been unable to provide documentation and effective management of participants, and the Mission has had to do this. This may be improved with the advent of a team leader. Briefing of employees has been spotty and inadequate. The third team member was told only ten days before departure that he was going to Tanzania (he was expecting to go to Zaire and had been studying French). The team members now in the field receive little briefing or consultation concerning prospective consultants for field TDY's.</p> <p>Research and manpower planning have not been done, due to the lack of a team leader. For additional information, see U-1423/1 report.</p>
II.A.2.	<p><u>IITA: field team.</u> The field team has generally performed well. With one year's research completed, an improved cultivar of maize has been identified, and a second one is probable, but needs additional testing. Basic fertilizer requirements and plant densities have been tentatively determined, and additional work to define recommendations are under way. Counterparts are being trained on-the-job, and farmers' and District Development Officers' response to village level trials have been enthusiastic. The Ministry of Agriculture feels that the work is progressing well, although there is some disenchantment with one of the team, due to his negative personality.</p>
II.A.7.	<p>cooperation of all concerned. These problems should be resolved in the near future in order that the research effort will not be affected by them.</p>

CONTINUATION
SHEET

FORM SYMBOL

PAR

DEPARTMENT OF STATE
AGENCY FOR
INTERNATIONAL DEVELOPMENT

TITLE OF FORM

PROJECT APPRAISAL REPORT

Worksheet Issuance

PAGE 6 OF 6 PAGES

1. Cooperating Country United
Rep. of Tanzania

2.a. Code No.

2.b. Effective Date

2.c. Original OR No. Amendment

3. Project/Activity No. and Title

621 11-110-107
AGRICULTURAL RESEARCH

Indicate block
numbers.

Use this form to complete the information required in any block of a PIO or PA/PR form.

FOOTNOTES:

- 1/ Breeding, selection and testing work will require a number of years before new varieties can be developed. Identification of improved cultivars from existing exotic material would take somewhat less time. It is planned that at the end of the project at least one new maize cultivar would be available for each of four altitude zones, and one each of soybean and edible legumes (grams, cowpeas, etc.) for each zone. This would not be the total of cultivars identified or developed, because the research is on-going, and a released cultivar would be replaced by a superior one as breeding and selection proceed. One improved cultivar of maize from Mexico has been identified, with indications of a possible second one.
- 2/ Development of cultural practices require several years of testing to be sure they are satisfactory after the initial research required to elucidate them. However, practices would not necessarily be different within a crop; several maize cultivars might require the same practices. As in Footnote 1 above, we are not thinking about cumulative numbers of recommendations developed, but useable recommendations available at the end of the project.
- 3/ As above, we are not talking about total numbers, but estimated numbers for each year. These trials serve three purposes: (1) to involve small farmers in the development process and make them feel a proprietary interest in new varieties and practices; (2) to serve as a means of teaching farmers how to improve their yields; and (3) to provide information to the research workers as to farmers' own preferences for cultivars and practices. The numbers include both maize and legume trials.
- 4/ We are currently reassessing participant training needs of the project and it appears we are going to have a dramatic increase in the numbers to be trained. The PROP currently under revision will contain the proposed increase in numbers and the justification.
- 5/ An Indian expatriate on contract to MinAg has been trying to make improvements, but has other duties. The project team leader should be assisting in these areas, but has not yet been recruited. Presence of the team leader is a critical factor in the success of the project, particularly in regard to planning.