

PROJECT APPRAISAL REPORT (FAR)

5120298 (5)

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PROJECT NO. 512-15-130-247.3	2. PAR FOR PERIOD: TO termination	3. COUNTRY BRAZIL	4. PAR SERIAL NO. 72-11
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PROJECT TITLE

DEVELOPMENT OF HIGH QUALITY PROTEIN IN CORN

6. PROJECT DURATION: Began FY 66 Ends FY 72	7. DATE LATEST PROP	8. DATE LATEST PIP	9. DATE PRIOR PAR
		--	5/4/70

10. U.S. FUNDING	a. Cumulative Obligation Thru Prior FY: \$ 419,689	b. Current FY Estimated Budget: \$ --	c. Estimated Budget to completion After Current FY: \$ --
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11. KEY ACTION AGENTS (Contractor, Participating Agency or Voluntary Agency)

a. NAME PURDUE RESEARCH FOUNDATION	b. CONTRACT, PASA OR VOL. AG. NO. CONTRACT AID/LA -449
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I. NEW ACTIONS PROPOSED AND REQUESTED AS A RESULT OF THIS EVALUATION

A. ACTION (X)			B. LIST OF ACTIONS	C. PROPOSED ACTION COMPLETION DATE
USAID	AID/W	HOST		
X			Consider bringing contract technician back on annual visit in 1973 and 1974 to follow up on continuing project and also new utilization projects	5/73

D. RE PLANNING REQUIRES

REVISED OR NEW: PROP PIP PRO AG PIO/T PIO/C PIO/P

E. DATE OF MISSION REVIEW

PROJECT MANAGER: TYPED NAME, SIGNED INITIALS AND DATE

H. Johnson, ARDO

MISSION DIRECTOR: TYPED NAME, SIGNED INITIALS AND DATE

W.A. Ellis, D/AID

12/27/72

PAR TEAM

PURDUE - ANDERSON

USAID - JOHNSON

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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			OUTSTANDING		LOW		MEDIUM		HIGH	
	1	2	3	4	5	6	7	1	2	3	4	5	
1. PURDUE RESEARCH FOUNDATION						X							X
2.													
3.													

Comment on key factors determining rating

Contract technician achieved all major outputs in timely fashion and assisted in the development of new projects aimed at utilization of the varieties developed. The Contractor complied with the terms of the contract with exception that final version of final report has not been submitted.

4. PARTICIPANT TRAINING							X							
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Comment on key factors determining rating

Selected participants have received their degrees and are now appropriately employed in the project-related activities.

5. COMMODITIES							X							
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Comment on key factors determining rating

Appropriate equipment purchased and effectively utilized. Obtaining of spare parts remains a problem. Contract technician has indicated that purchase of small amount of additional equipment could expand utility of existing equipment.

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

Comment on key factors determining rating

Viçosa cooperated fully throughout the project and is now working with the Government and private sector in developing utilization projects.

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7. OTHER DONORS														
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II. 7. Continued: Comment on key factors determining rating of Other Donors

N/A

III. KEY OUTPUT INDICATORS AND TARGETS

A. QUANTITATIVE INDICATORS FOR MAJOR OUTPUTS		TARGETS (Percentage/Rate/Amount)					END OF PROJECT
		CUMULATIVE PRIOR FY	CURRENT FY		FY ____	FY ____	
			TO DATE	TO END			
Train 3 staff members to MS	PLANNED	3	3				6
	ACTUAL PERFORMANCE	3	3				
	REPLANNED						
Train 2 staff members to PhD	PLANNED	2	2				4
	ACTUAL PERFORMANCE	1	2				
	REPLANNED						
Short-term training at UFV	PLANNED						
	ACTUAL PERFORMANCE		2				
	REPLANNED						
	PLANNED						
	ACTUAL PERFORMANCE						
	REPLANNED						
B. QUALITATIVE INDICATORS FOR MAJOR OUTPUTS		COMMENT:					
1. Strengthen UFV Capacity for carrying on research		UFV now carrying on all research					
2. Stimulate use of stocks in breeding programs and foster cooperation with private industry.		States, Ministry and private firms now expanding development of OPAQUE-2 Project and now UFV, actively developing projects with the major private corn breeding company.					
3. Conduct nutritional tests		Tests carried out will be expanded under OPAQUE-2 Utilization Project.					

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IV. PROJECT PURPOSE

A. 1. Statement of purpose as currently envisaged.

2. Same as in PROP? YES NO

Improve Protein Quality of Brazilian Corn through introduction of High Lysine Varieties developed in the U.S. into Brazilian varieties.

B. 1. Conditions which will exist when above purpose is achieved.

2. Evidence to date of progress toward these conditions.

1. Viçosa is continuing High Lysine research in conjunction with GOV and Private breeders.
2. High lysine varieties developed in Brazil are being utilized.

1. The major private breeder, the state of Minas Gerais and the Ministry of Agriculture, among others, are working with OPAQUE-2 in cooperation with Viçosa.
2. The major private corn seed producer is selling Brazilian OPAQUE-2 commercially. Human Nutrition utilization projects are being developed.

V. PROGRAMMING GOAL

A. Statement of Programming Goal

1. Increase agricultural production.
2. Modernize agricultural production and marketing to meet domestic demand and expand inputs.

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.

By increasing protein content in corn real output of agricultural production is expanded.