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1. PROJECT NO. <b>512-11-110-094.3</b>	2. PAR FOR PERIOD: <b>Jan. 1972</b> TO <b>Jan. 1973</b>	3. COUNTRY <b>Brazil</b>	4. PAR SERIAL NO. <b>73-6</b>
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**Agricultural Education - University of Ceará**

6. PROJECT DURATION: Began FY <b>63</b> End FY <b>73</b>	7. DATE LATEST PIP <b>1/2/70</b>	8. DATE LATEST PIP	9. DATE PRIOR PAR <b>Feb. 1972</b>
10. U.S. FUNDING	a. Cumulative Obligation Thru Prior FY: \$ <b>3,503,000</b>	b. Current FY Estimated Budget: \$ <b>210,000</b>	c. Estimated Budget to completion After Current FY: \$ <b>-0-</b>

11. KEY ACTION AGENTS (Contractor, Participating Agency or Voluntary Agency)

a. NAME	b. CONTRACT, PASA OR VOL. AG. NO.
<b>University of Arizona</b>	<b>AID/1a - 145</b>

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		
ARDO x			Chief of Party to request Campus Coordinator to (1) verify maintenance allowance being applied to participants for whom dormitory space is not available on campus and (2) to review effect of implementation of reduced allowance on Arizona/Ceará participants and recommend corrective action to university officials who provided cost info to I.I.E.	Mar. 31, 1973
		x	Submit complete participant documentation immediately	Mar. 31, 1973
CONT. x			Chief of Party to complete inventory of all equipment issued under contract and ensure transfer documentation to University of Ceará is up to date.	June 30, 1973
CONT. x			Prepare list of commodities required through end of project and requisition same	June 30, 1973
		x	Identify equipment requirements of the Agricultural School and alternate sources of funding.	Dec. 31, 1973
				June 0

D. REPLANNING REQUIRES						E. DATE OF MISSION REVIEW	
REVISED OR NEW	<input 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	<b>Feb. 23, 1973</b>
PROJECT MANAGER: TYPED NAME, SIGNED INITIALS AND DATE <b>James J. Villalobos</b>				MISSION DIRECTOR: TYPED NAME, SIGNED INITIALS AND DATE <b>W.A. Ellis</b>			

PAR Team: UFCC: Braga, Moura Fé; Arizona: Smith, Price, Nelson, Fox; USAID: Albuquerque

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**II. PERFORMANCE OF KEY INPUTS AND ACTION AGENTS**

A. INPUT OR ACTION AGENT CONTRACTOR, PARTICIPATING AGENCY OR VOLUNTARY AGENCY	D. 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. <b>University of Arizona</b>					<b>X</b>								<b>X</b>
2.													
3.													

Comment on key factors determining rating  
**The quality of Arizona Technical assistance and project coordination is better than has ever existed in the life of this project. Technicians are well-qualified, understand and continually strive to achieve the project purpose, and work extremely well with Brazilian counterparts. Contractor has complied with terms of contract.**

4. PARTICIPANT TRAINING	1	2	3 <b>X</b>	4	5	6	7	1	2	3	4	5 <b>X</b>
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Comment on key factors determining rating  
**Although both Brazilians and Americans have a good perspective of training needs, have planned accordingly and carried out rather satisfactorily in the past, participant identification and documentation have suffered somewhat this year due to reluctance to travel on the part of some and lack of English language capacity, on the part of others. Documentation for Fy-73 needs has not been submitted. Previous problems which English Language training have been overcome. Participant morale in Tucson has been hurt by a reduction of USAID maintenance allowance from \$240 to \$208 per month.**

5. COMMODITIES	1	2	3	4	5 <b>X</b>	6	7	1	2	3	4 <b>X</b>	5
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Comment on key factors determining rating  
**Planning and execution of this project element is carried out with satisfactory. Commodities are well used and are ordered on a planned basis. Equipment needs thru the end of project must be identified. Additional resources for future equipment needs must be found by the university.**

6. COOPERATING COUNTRY	a. PERSONNEL	1	2	3	4	5 <b>X</b>	6	7	1	2	3	4	5 <b>X</b>
	b. OTHER				<b>X</b>								<b>X</b>

Comment on key factors determining rating  
**Personnel of the Agronomy School fully understand and work to achieve project purpose. USAID input is highly valued and is fully exploited. Problems with SUDENE bureaucracy in obtaining SUBIN funds for project continue. A possible future problem is that low salaries for highly trained professors will result in the University's loss of valued personnel. This is a problem not limited to Ceara. Agronomy School research is strongly supported by contracts with many NE regional agencies and banks (Ford, BNB, BNDE, SUDENE, DNOCS).**

7. OTHER DONORS	<b>Ford</b>	1	2	3	4	5 <b>X</b>	6	7	1	2	3 <b>X</b>	4	5
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(See Next Page for Comments on Other Donors)

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

Ford Foundation has supported UPCs in sorghum research and in agricultural economics. It has provided one full time technician in sorghum, scholarships, equipment and Brazilian logistical support. Coordination with USAID project is good.

### 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 72	FY ____	
			TO DATE	TO END			
Faculty with Graduate Degrees	PLANNED	41	15	5	4		65
	ACTUAL PERFORMANCE	44	14				
	REPLANNED			2	8		68
M. Sc. Programs Established	PLANNED	1	0	2	1	-	4
	ACTUAL PERFORMANCE	1	0				
	REPLANNED			1	1	-	3
Field Research Programs Planned and Implemented (funded by outside sources)	PLANNED	15	0	2	7	-	24
	ACTUAL PERFORMANCE	19	0				
	REPLANNED			4	3	-	26
Physical Plant Constructed (No of Buildings). (GOB input)	PLANNED	20	0	2	-	-	22
	ACTUAL PERFORMANCE	20	0				
	REPLANNED			0	2	-	22
B. QUALITATIVE INDICATORS FOR MAJOR OUTPUTS	COMMENT:						
1. Plans set for the orderly expansion of College in line with development priorities.	College publication Centro Regional de Pós-Graduação em Ciências Agrícolas, dated 10/71 and Plano de Desenvolvimento (1972-1976), April, 1972, outline well there priorities.						
2. Full commitment of College faculty and staff to obtain excellence in teaching and research activities.	COMMENT: Faculty totals 86 (73 full-time and 13 part-time) a 100% increase since 1967. The field research program was reorganized and projects consolidated into 25 general lines of research. This is producing a well integrated/coordinated research program. College library is being rapidly improved in quality. Currently over 14,000 titles, 130 scientific journals obtained regularly. Quality of instruction and research increased.						
3. Institutionalization of college in Ceará as an effective resource for transforming and modernizing agriculture.	COMMENT: Development agencies in the NE such as EMB, DVOCS, SUDENE, M. ANCAR, etc., intimately involve college in agricultural planning, training, research and operational activities. Private business rapidly expanding use of College's resources and personnel.						

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IV. PROJECT PURPOSE

A. 1. Statement of purpose as currently envisaged. 2. Same as in PROP?  YES  NO

Creation of a capability at the U. of Ceará to 1) train students qualified for careers in agriculture, to assist in supplying the development need of the region; 2) do basic and applied research and provide graduate training and degree programs.

B. 1. Conditions which will exist when above purpose is achieved.	2. Evidence to date of progress toward these conditions.
1. Integrated program of teaching & research with utilization by extension services.	Virtually all fulltime faculty are involved in research projects which currently total over 110 (consolidated into 25 general lines of research) compared with 53 in 1967. Field research is being undertaken by graduate students in agricultural economics for completing their thesis requirements.
2. Graduates are employing their knowledge in agr. & agr. development.	A 1971 employment survey of graduates during the period 1967-69 indicated that most alumni are currently working in agricultural activities within government, esp. extension.
3. 44 degree graduate students enrolled during CY-73 (14 presently enrolled plus 30 to end of CY 73).	There are currently 14 full time students enrolled in the College's graduate agricultural economics program to be increased by 15 in Agr. Economics and 15 in plant sciences in Mar. 73.
4. Outside financing supports more than 50% of the research at the College (Ford, FNB, BNDE, SUDENE, DNOCS).	External financing currently covers the cost of 87% of all research conducted by the College of Agriculture.

V. PROGRAMMING GOAL

A. Statement of Programming Goal  
Increase capacity to develop and utilize technical knowledge in regional agriculture.

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.  
Manpower trained to high levels of technical competence in agricultural sciences is a fundamental pre-requisite for raising farm labor productivity, reducing unit production costs, increasing the value added by farmers and obtain a surplus product - all of which are necessary for permanently raising farm income under equilibrium conditions. Since 1964 fifty-three graduate degrees, including nine PhD's have been earned by the College's fulltime faculty, which had doubled since 1967 - along with student enrollment. These people are assisting to break the technical constraints of production. Progress is painfully slow, but positive results have been obtained in some areas such as cotton, tomatoes, etc.

\* See College's Oct, 1971 publication titled Centro Regional de Pós-Graduação em Ciências Agrícolas (Pronóstico) and Plano de Desenvolvimento. (1972-1976) April, 1972.