

PROJECT APPRAISAL REPORT (PAR)

5110364051001

PAGE 1

1. PROJECT NO. 511-11-190-364.5	2. PAR FOR PERIOD: 1966 TO Present	3. COUNTRY BOLIVIA	4. PAR SERIAL NO. FY 71-1
------------------------------------	---------------------------------------	-----------------------	------------------------------

5. PROJECT TITLE
Cereals Development

A.I.D.
Reference Center
Room 1656 NS

6. PROJECT DURATION: Began FY '70 Ends FY '74	7. DATE LATEST PROP Sept. 3, 1969	8. DATE LATEST PIP May 30, 1970	9. DATE PRIOR PAR Feb. 2, 1971
---	--------------------------------------	------------------------------------	-----------------------------------

10. U.S. FUNDING	a. Cumulative Obligation Thru Prior FY: \$ 282,000	b. Current FY Estimated Budget: \$ 513,000	c. Estimated Budget to completion After Current FY: \$ 1,200,000
------------------	--	--	--

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

a. NAME	b. CONTRACT, PASA OR VOL. AG. NO.
Utah State University	Contract

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		
		Contractor	Continuous increased involvement of University Departments and Heads to improve campus backstopping of project.	June '71
X			Analysis of commodity procurement.	April '71
X	and	Contractor	Analysis of potential expansion of scope of participant training, e.g. LASPAU. Analysis of fund allocation for participant training.	April '71
X			Analysis of rediscount fund	April '71
X	and	Contractor	Co-ordinate economic work of economic section and contractor.	
X	and	Contractor	Review other donor inputs and reporting system	April '71
X			Completion of agricultural loan paper.	April '71
X			Clarification of line of authority.	April '71

D. REPLANNING REQUIRES						E. DATE OF MISSION REVIEW	
REVISED OR NEW:	<input checked="" type="checkbox"/> PROP	<input checked="" type="checkbox"/> PIP	<input type="checkbox"/> PRO AG	<input type="checkbox"/> PIO/T	<input type="checkbox"/> PIO/C	<input type="checkbox"/> PIO/P	March 12, 1971
PROJECT MANAGER: TYPED NAME, SIGNED INITIALS AND DATE				MISSION DIRECTOR: TYPED NAME, SIGNED INITIALS AND DATE			
Jack Morris <i>JMM</i> 3/25/71				Edward W. Coy <i>EWC</i> 3/25/71			

AID 1020-25(10-70)	PROJECT NO.	PAR FOR PERIOD:	COUNTRY	PAR SERIAL NO.
PAGE 3 PAR	511-11-190-364.5	1966 to present	Bolivia	FY 71-1

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

Not available at this time; see Action Steps

III. KEY OUTPUT INDICATORS AND TARGETS

A. QUANTITATIVE INDICATORS FOR MAJOR OUTPUTS		TARGETS (Percentage/Rate/Amount)					END OF PROJECT
		CUMU- LATIVE PRIOR FY	CURRENT FY 71		FY 72	FY 73	
			TO DATE	TO END			
MAGNITUDE OF OUTPUTS: 3 trained planners available by 1975.	PLANNED	0	0	0	1	1	3
	ACTUAL PERFORM- ANCE	0	0				
	REPLANNED				1	1	3
2 trained co-op specialists in RANCO ag. training, others in organization and opera- tion of co-ops.	PLANNED	0	0	1	1	2	2
	ACTUAL PERFORM- ANCE	0	0				
	REPLANNED			1	1	2	2
National director of seed certification. 1 lab dir- ector, 1 lab supervisor, 5 area supervisors.	PLANNED	2	2	2	1	1	8
	ACTUAL PERFORM- ANCE	2	2				
	REPLANNED			2	1	1	8
2 seed processing plants operational by 1975.	PLANNED	0	0	0	1	2	2
	ACTUAL PERFORM- ANCE	0	0				
	REPLANNED			0	1	2	2
B. QUALITATIVE INDICATORS FOR MAJOR OUTPUTS	COMMENT:						
1. 25 trained provincial ex- tension personnel 5 state department and one national on the job.	Quality in question, Reassignments contemplated. (See Action Steps)						
2. Center producing data at a) technical b) extension and c) farmer levels.	COMMENT: Information unit not yet functioning. Equipment and staff not yet in place.						
3. Cereal Lab operating with minimum of 1 trained man.	COMMENT: FY '72 - Lab will be constructed and man in place.						

AID 1020-25(10-70) PAGE 3 PAR	PROJECT NO. 511-11-190-364.5	PAR FOR PERIOD: 1966 to Present	COUNTRY BOLIVIA	PAR SERIAL NO. FY 71-1
----------------------------------	---------------------------------	------------------------------------	--------------------	---------------------------

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

III. KEY OUTPUT INDICATORS AND TARGETS

A. QUANTITATIVE INDICATORS FOR MAJOR OUTPUTS		TARGETS (Percentage/Rate/Amount)					
		CUMU- LATIVE PRIOR FY	CURRENT FY		FY ____	FY ____	END OF PROJECT
			TO DATE	TO END			
4 research personnel testing and developing new varieties by 1975.	PLANNED	1	0	0	1	1	4
	ACTUAL PERFORMANCE	1	0				
	REPLANNED			0	1	1	4
System functional in 10 major wheat areas by end CY 71.	PLANNED	0	0	2	8	15	25
	ACTUAL PERFORMANCE	0	0				
	REPLANNED			2	8	15	25
Credit manual produced in BAB.	PLANNED	0	0	0	1	0	1
	ACTUAL PERFORMANCE	0	0				
	REPLANNED			0	1	0	1
	PLANNED						
	ACTUAL PERFORMANCE						
	REPLANNED						
B. QUALITATIVE INDICATORS FOR MAJOR OUTPUTS	COMMENT:						
1. Research being carried out by trained indigenous personnel in production, marketing and utilization.	Training and assignment taking place. Some indigenous research being done.						
2. Plans for production of priority products are being developed by Planning Dept. of Ministry of Agriculture.	COMMENT: 5 of 14 GOB projects to be completed by June '71. Remaining 9 by 1973.						
3. Studies prepared that are pertinent to storage, efficient production of flour and use of by-products.	COMMENT: Storage study to be completed FY '71; flour production and by-product use study to be completed by FY '73.						

AID 1020-25 (10-70) PAGE 4 PAR	PROJECT NO. 511-11-190-364.5	PAR FOR PERIOD: 1966 to Present	COUNTRY BOLIVIA	PAR SERIAL NO. FY 71 - 1
-----------------------------------	---------------------------------	------------------------------------	--------------------	-----------------------------

IV. PROJECT PURPOSE

A. 1. Statement of purpose as currently envisaged.
 To develop an operational vertical wheat program through upgrading and coordinating existing institutions which can serve as a model for other programs.

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) Natl. Wheat Committee organized and coordinating Vertical Wheat Program.	1) Ntl. Wheat Committee organized, yet functioning with varied effectiveness because of political situation. 6 year plan being modified on basis of past experience. Career trained agronomist leads program and is cooperating with contract team. 6 year seed program plan published. National certification head coordinating research and commercialization sectors in recommending new varietites for release.
2) Natl. Extension Service equipped and operating in 25 centers with 31 trained personnel.	2) 24 centers in operation. 4 departmental leaders in place and 1 national leader trained and in place. Mission training equipment programmed for 1971. Santa Cruz program being supervised from Cochabamba. Departmental training program continuous. Contract counterparts assigned to 5 major wheat areas and working continuously.
3) 50 cooperatives operating and 50 cooperatives in preparation in support of the wheat program by 1975.	3) No coops chartered. Approximately 17 pre-coops. No formal coop training. One coop advisor expected in April 1971. All pre-coops received loans. PCVs refocused to production areas in addition to those originally assigned. Total number of PCVs - 26. (Cont. on page 4 a)

V. PROGRAMMING GOAL

A. Statement of Programming Goal
 To reduce dependence on imports of agricultural products and increase exports.

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.
 Increase in production in domestic wheat flour; extensive use of by-products; increase in ag. loans from 8 million in 1966 to 24 million in 1969.

AID 1020-25 (10-70) PAGE 4 PAR	PROJECT NO. 511-11-190-364.5	PAR FOR PERIOD: 1966 to Present	COUNTRY BOLIVIA	PAR SERIAL NO. FY 71 - 1
-----------------------------------	---------------------------------	------------------------------------	--------------------	-----------------------------

IV. PROJECT PURPOSE

A. 1. Statement of purpose as currently envisaged.

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.
4) Natl. organization of a seed certification and regulatory agency including an operational feed lab to determine the demand for improved seed and assuming that this demand is met.	4) Laws and regulations of Agency written and accepted, yet not legalized. However, operating with adequate 1971 budget. One national director, and one area supervisor in Cochabamba. Above people trained and qualified. Agency producing and marketing improved seed at present demand (25 MT of foundation seed and 40 MT of commercial seed produced). 50 MT of Jaral, 5 MT of Ciano, 2 MT of Noreste, 2 MT of Napo imported under contract. Revolving fund of \$70,000 available. Land purchased for seed laboratory, architectural plans accepted, equipment on hand but not installed. Laboratory will be operational in June 1972. One man trained in the operation of seed laboratory, one more man will be needed.
5) Indigenous research meeting Bolivian needs in wheat production and utilization.	5) Wheat variety and fertilizer experiments in progress at present in all 5 areas. However, indigenous research only in Potosi, Cochabamba and Santa Cruz. Preliminary research in cultural practices in progress yet key subjects need more emphasis. One competent wheat breeder working. One in training, one soil scientist in training, a pathologist in training. (0.11. 13 1971)

V. PROGRAMMING GOAL

A. Statement of Programming Goal

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.

AID 1020-23 (10-70) 4b PAGE 4 PAR	PROJECT NO. 511-11-190-364.5	PAR FOR PERIOD: 1966 to Present	COUNTRY BOLIVIA	PAR SERIAL NO. FY 71-1
---	---------------------------------	------------------------------------	--------------------	---------------------------

IV. PROJECT PURPOSE

A. 1. Statement of purpose as currently envisaged.

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.
<p>6) Commercialization Dept. gathering and disseminating economic information.</p> <p>7) A viable soil testing program capable of analyzing 10,000 soil samples per year and fertilizer recommendation system.</p> <p>8) The Credit system is providing acceptable loans for production, marketing and industrialization.</p>	<p>6) Gathering and publishing is unscheduled. Statistics being provided to Wheat Committee from other sources - PC, YPFB, BAB, Extension Service.</p> <p>7) The soil laboratory is capable of handling 10,000 samples. 2,000 samples handled in 1970. Quality of laboratory work meets acceptable standards per quality check. Trained lab personnel in place. The system for collecting and processing soil samples and soil sample data is operating at 20% of EOPS. Trained personnel on the job receiving additional proficiency. The design of the sample processing system being revised.</p> <p>8) BAB credit system based on their cost production studies published. Re-evaluation of wheat production costs as reflected in studies indicated inadequacy of BAB study. Acceptable loans made in Potosi for 200 ha, and unknown number in San Juan de Oro. The present BAB credit plan otherwise unacceptable to farmers. YPFB fertilizer program provided credit for 2,500 wheat loans (\$25,000 - ha. 2,500). (Cont. on page 4 c)</p>

V. PROGRAMMING GOAL

A. Statement of Programming Goal

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.

AID 20-25 (10-7U) PAGE 4 PAR	PROJECT NO. 511-11-190-364.5	PAR FOR PERIOD: 1966 to Present	COUNTRY BOLIVIA	PAR SERIAL NO. FY 71-1
---------------------------------	---------------------------------	------------------------------------	--------------------	---------------------------

IV. PROJECT PURPOSE

A. 1. Statement of purpose as currently envisaged.

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.

9) Milling capacity equal to domestic production targets at acceptable market qualities, including efficient use of by-products.

~~Farmers obtaining credit from private industry, coops, and their own sources. 5 BAB employees scheduled for training during CY 71. One credit advisor being recruited for CY 1971.~~
9) Three new mills (in Potosi, Tarija and Cochabamba) functional and one reportedly being built in Santa Cruz. Reported capacity of all existing mills approximately 100,000 MT of flour. No quality evaluation made of existing mills. Preliminary studies on by-products prepared yet further work needed. Wheat quality report on wheat grown in Bolivia published and partially distributed.

V. PROGRAMMING GOAL

A. Statement of Programming Goal

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.