

PD-AAC-305-A1 A.I.D. 2770444-5

AID 1070-25 (10-70)

Reference Center
Room 1656 HS

REPORT U-446

PROJECT APPRAISAL REPORT (PAR)

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1. PROJECT NO. 277-11-130-444	2. PAR FOR PERIOD: 4/15/70 TO 6/1/71	3. COUNTRY TURKEY	4. PAR SERIAL NO.
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CEREALS PRODUCTION

6. PROJECT DURATION: Began FY 68 Ends FY 72	7. DATE LATEST PROP 3/22/68	8. DATE LATEST PIP 7/17/68	9. DATE PRIOR PAR 4/15/70
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10. U.S. FUNDING	a. Cumulative Obligation Thru Prior FY: \$ 503,000	b. Current FY Estimated Budget: \$ 197,000	c. Estimated Budget to completion After Current FY: \$ 486,000
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11. KEY ACTION AGENTS (Contractor, Participating Agency or Voluntary Agency)	
a. NAME	b. CONTRACT, PARA OR VOL. AG. NO.
USAID F&A Cereals Production	Direct Hire
Oregon State University	NESA 339-4

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		X	Develop and implement an in-country, on-the-job training program, with OSU Team, for 18 Anatolian Plateau Extension Service Agents who are under consideration for training in the U. S.	Sept. 1, 1972
		X	Develop a program of long-term training requirements of the Ministry of Agriculture in basic and adaptive research which could be considered for financing by other foreign donors.	Oct. 1, 1971

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	

PROJECT MANAGER: TYPED NAME, SIGNED INITIALS AND DATE Harvey P. H. Johnson 6/20/71	MISSION DIRECTOR: TYPED NAME, SIGNED INITIALS AND DATE Joseph S. Toner
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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. Oregon State University					X							X
2.												
3.												

Comment on key factors determining rating

1. Planning and Implementing Research
 - a. Dry land moisture conservation practices
 - b. Chemical and mechanical weed control
 - c. Fertilizer practices
 - d. Variety evaluation
 - e. Extension methods

4. PARTICIPANT TRAINING	1	2	3	4	5	6	7	1	2	3	4	5
				X						X		

Comment on key factors determining rating

This element is important for

1. Weed control
2. Seed certification
3. Agriculture economics

5. TECHNOLOGIES	1	2	3	4	5	6	7	1	2	3	4	5

Comment on key factors determining rating

Not applicable

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

Comment on key factors determining rating

1. Extension program
2. Research program
3. Management
4. Budget allocation
5. Fertilizer and seed allocation
6. Farmer credit management

7. OTHER DONORS	1	2	3	4	5	6	7	1	2	3	4	5
					X							X

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

National Wheat Research Center (Rockefeller Foundation)

1. Variety development
2. Disease and insect control
3. Moisture conservation
4. General Agronomy

III. KEY OUTPUT INDICATORS AND TARGETS

A. QUANTITATIVE INDICATORS FOR MAJOR OUTPUTS		TARGETS (Percentage/Rate/Amount)					
		CUMU- LATIVE PRIOR FY	CURRENT FY		FY 72	FY 73	END OF PROJECT
			TO DATE	TO END			
Hectares Mexican Wheat harvested (Harvest in May and June)	PLANNED	1,480,000	500,000	600,000	700,000	3,280,000	
	ACTUAL PERFORM- ANCE	1,474,800	551,000	479,106			
	REPLANNED						
Tons extra wheat produced from Mexican (Harvest in May and June) * Estimate for 1971	PLANNED	2,148,000	670,000	750,000	800,000	4,368,000	
	ACTUAL PERFORM- ANCE	2,148,000	670,000	* 718,660			
	REPLANNED						
Hectares of high-yielding winter wheats harvested (Harvest in July and August)	PLANNED	90,000	1,100,000	2,300,000	4,300,000	7,788,482	
	ACTUAL PERFORM- ANCE	88,482	1,270,000	1,048,285			
	REPLANNED						
Tons extra wheat produced by high-yielding wheats (Harvest in July and August) * Estimate for 1971	PLANNED	80,000	500,000	500,000	1,074,800	2,000,000 3,650,000	
	ACTUAL PERFORM- ANCE		* 747,000				
	REPLANNED						
B. QUALITATIVE INDICATORS FOR MAJOR OUTPUTS		COMMENT:					
1. Farmers familiar with new varieties.		State Farms have made major shift in seed propagation. Now producing new high-yielding wheats with token production of old varieties.					
2. Farmers are familiar with value of commercial fertilizer.		COMMENT: In Mexican wheat areas farmers demand recommended fertilizer and often use more than recommended amounts per hectare.					
3. Extension Service realizes value of planned programs in extension.		COMMENT: Basic visual aids prepared by Ministry of Agriculture but most provinces prepare additional material, use radio and colored slides.					

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IV. PROJECT PURPOSE

A. 1. Statement of purpose as currently envisaged.
 1. To develop farmer competence in the use of improved technology for wheat and other cereals, i. e., new varieties, commercial fertilizer, moisture conservation, weed control, tillage practices, etc.

2. Same as in PROP? YES NO

2. To aid farmers in greater crop diversification where climate and technology permit. Shift of wheat acreage to feed crops such as sorghum, corn, forage crops and pasture for better livestock production on Anatolian Plateau. Similarly shift to high-return cash crops like vegetables and fruits in coastal areas. As poultry, milk and red meat production increases, wheat will give way to high-yield feed crops.

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

2. Evidence to date of progress toward these conditions.

1. Farmers familiar with value of new seed and fertilizer use on cereals.

1. State Farms have more than 75% of wheat propagation acreage devoted to new wheat varieties. Farmers are buying these new wheats from farmers who have had high production.

2. Extension Service has become more effective in helping farmers with new methods of producing cereal crops.

2. Provincial Extension Service offices prepare additional visual aid material using local performance data - this in addition to material prepared at central headquarters. Radio is used. Village mayors and religious directors take active part in extension work.

3. Farmers in the Mexican wheat growing areas are following wheat harvest with a second crop for the season.

3. Second cropping increased threefold last season with a substantial increase expected this year. Lands that can be irrigated will grow cotton, sorghum, corn and several vegetable crops following Mexican wheat harvest.

V. PROGRAMMING GOAL

A. Statement of Programming Goal

More efficient management and utilization of resources consistent with Turkish socio-economic goals.

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. The Turkish emphasis on improving its wheat production has been good and has reduced import needs. Promoting improved varieties in both coastal and plateau areas has been a desirable move. The shift from using those varieties common to Turkey 20 years ago to the newer ones has been well planned with large propagation of the better varieties. Similarly, recommendations made to farmers on increased use of fertilizer, particularly nitrogen, have been well received by farmers and have increased production per land unit.