

DEPARTMENT OF STATE
AGENCY FOR
INTERNATIONAL DEVELOPMENT

Worksheet Insurance

PAGE 1 OF 7 PAGES

7p

PIO/T

PROJECT IMPLEMENTATION
ORDER/TECHNICAL
SERVICES

1. Cooperating Country
Africa Regional

2. PIO/T No.
698-171-2-6190101

3. Project/Activity No. and Title
698-11-190-171,
Mediterranean Fruit Fly Control

4. Appropriation Symbol
72-1191004

5. a. Allotment Symbol & Charge
954-61-698-00-69-03

5. b. Funds Allotted to:
 AID/W Mission

6. Obligation Status "Implementing Action under ProAg dated
6/26/69, revised 7/2/69 & ProAg dated 6/27/69."
 Administrative Reservation Obligation Sub-Obligation

7. Original or
Amendment No.:

8. No. of Technicians
1 plus 1 short-term

9. Services to Start (Mo., Day, Yr.)
Between: 9/1/69 And: 10/30/69

10. Duration (Months)
a. Of Services 26 b. Of Financing 26

11. a. Type of Action
 AID Contract Cooperating Country Contract Participating Agency Service Agreement Other

11. b. Authorized Agent
AID/Washington through U.S. Department of Agriculture

Financing	A. Previous Total	B. Increase	C. Decrease	D. Total to Date
\$1.00 =				
12. AID Financing				
a. Dollars		86,104		86,104
b. U.S.-Owned Local Currency				
13. Cooperating Country Contributions				
a. Counterpart				
b. Other				

14. Mission References

15. Objective for which the Technical Services are to be used (Describe)
The objectives of these services are as follows:
a. To provide the Moroccan and Tunisian Governments with U.S. technical assistance in developing and carrying out a regional program to control the Mediterranean Fruit Fly by means of gamma sterilization and appropriate baits and sprays. Eventually, with cooperation from Algeria, and strict quarantine, eradication of the fruit fly from these three countries might be achieved. A pilot research experiment on sterile fly releases is a first step in this regional program. A subsequent action would be a one year survey in Morocco by an entomologist to determine plant host sequence and med-fly populations followed by research to determine fly sterilization techniques and other control procedures most suited to the ecology of Morocco. Obligation of funds for PASA services covering more than one fiscal year is authorized under Section 625(f) of the Foreign Assistance Act as amended.

16. Mission Clearances	Date	Mission Clearances	Date

17. Date of Original Issuance
September 9, 1969

18. Date of this Issuance
September 9, 1969

19. For the Cooperating Country
The terms and conditions set forth herein are hereby agreed to:

20. For the Agency for International Development

SIGNATURE _____ DATE _____
TITLE _____

Murray Gray
SIGNATURE
Chief, Contract Staff
TITLE _____

DEPARTMENT OF STATE
AGENCY FOR
INTERNATIONAL DEVELOPMENT

 Worksheet Issuance

PAGE 2 OF 7 PAGES

PIO/T

PROJECT IMPLEMENTATION
ORDER/TECHNICAL
SERVICES

Cooperating Country
Africa Regional

PIO/T No.
698-171-2-6190101

Project/Activity No. and Title
698-11-190-171
Mediterranean Fruit Fly Control

SCOPE OF WORK

21. Scope of Technical Services

A. Description

1. Tunisia

To provide in Tunisia an entomologist experienced in sterile fly techniques to act as leader-coordinator of all phases of the regional project in Morocco and Tunisia. Major duties would include the following:

- a. Direct and coordinate the sterile fly pilot research experiment.
- b. Promote cooperation between INRAT (National Institute for Agronomic Research) and the Tunisian Atomic Energy group.
- c. Instruct Tunisian and Moroccan research staff in sterile fly techniques.
- d. Provide initial TDY services for 60 days to train Tunisia staff in irradiation techniques.

2. Morocco

- a. To provide in Morocco an entomologist to conduct, over a period of one year, med-fly population surveys and determination of plant-host sequences. Assistance will be also given in training research staff in collection, feeding, and
(CONTINUED)

B. Technicians

(1) (a) Number	(b) Specialized Field	(c) Grade and/or Salary	(d) Duration of Assignment (Men-Months)
1	Entomology (Consultant, Tunisia)	GS-12/1	2 months
1	Entomology (Leader-coordinator)	FG-4	24 months

(2) Duty Post and Duration of Technicians' Services

Tunisia - combined services in both countries will not exceed 26 months; two months TDY Tunisia; approximately 12 months each Tunisia.

Morocco - tour-of-duty.

(3) Access to Classified Information

Secret - need-to-know

(4) Dependents* Will Will Not Be Permitted to Accompany Technicians

* Entomologist's dependents will NOT accompany him during TDY.

C. Financing Costs of Technical Services

(1) By AID - \$ 65,704

(2) By Cooperating Country

DEPARTMENT OF STATE
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INTERNATIONAL DEVELOPMENT

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PIO/T

PROJECT IMPLEMENTATION
ORDER/TECHNICAL
SERVICES

Cooperating Country
Africa Regional

PIO/T No.
698-171-2-6190101

Project/Activity No. and Title
698-11-190-171 /
Mediterranean Fruit Fly Control

22. Equipment and Supplies (Related to the services described in Block 21 and to be procured outside the Cooperating Country by the supplier of these services)

A. (1) Quantity	(2) Description	(3) Estimated Costs
	Demonstrational commodities including Geratitits Capitata feed, traps, dyes, attractants, sticken and cotton.	(Tunisia) \$12,900 (Morocco) 7,500

B. Financing Costs of Equipment and Supplies

(1) By AID - \$ 20,400

(2) By Cooperating Country -

23. Instructions to Authorized Agent

AID/Washington will enter into a Participating Service Agreement with the USDA/International Development Office, FAS for these services.

24. Special Provisions

The PASA entomologist assigned as leader-coordinator of the regional project, in cooperation with the respective host government's project director, will determine appropriate methods and procedures used in Tunisian and Moroccan sterile fly research experiments and in the Moroccan med-fly survey.

DEPARTMENT OF STATE
AGENCY FOR
INTERNATIONAL DEVELOPMENT

Worksheet Issuance

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PIO/T

PROJECT IMPLEMENTATION
CODER/TECHNICAL
SERVICES

Cooperating Country
Africa Regional

PIO/T No.
698-171-2-6190101

Project/Activity No. and Title
698-11-190-171
Mediterranean Fruit Fly Control

25. Reports by Supplier of Services (Indicate type, content and format of reports required, including language to be used if other than English, frequency or timing of reports and any special requirements)

Final - in English and French - 100 copies to A.I.D. and fifty (50) copies each to GOM and GOT.

Progress - Regular Progress reports (minimum 15 copies) at quarterly intervals will be submitted in English to the Africa/ID/AG Division, AID/Washington.

26. Availability of Background Information (Additional information useful to Authorized Agent and Prospective Suppliers; if necessary, cross reference Block 21.B(3) above)

"Travel in North Africa and Europe Associated with Mediterranean Fruit Fly Areas Control" - E. J. Harris, USDA/ARS.

27. Relationships of Supplier to Cooperating Country and to AID.

A. Relationships and Responsibilities

The PASA project leader-coordinator will have responsibility for directing this regional project.

B. Cooperating Country Liaison Official

Tunisia - Director of Agricultural Research - Mr. Amar
Morocco - Director, National Institute of Agricultural Research.

C. AID Liaison Officials

F&A Officer - Tunis
F&A Officer - Rabat

DEPARTMENT OF STATE
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PIO/T

PROJECT IMPLEMENTATION
ORDER/TECHNICAL
SERVICES

Cooperating Country
Africa Regional

PIO/T No.
698-171-2-6190101

Project/Activity No. and Title
698-11-190-171 /
Mediterranean Fruit Fly Control

LOGISTIC SUPPORT

28. Provisions for Logistic Support

A. Specific Items (Insert "X" in applicable column at right. If entry needs qualification, insert asterisk and explain below in C. "Comments")

	In Kind Supplied By		From Local Currency Supplied By	
	AID	Cooperating Country	AID	Cooperating Country
(1) Office Space		X		
(2) Office Equipment		X		
(3) Housing and Utilities				X
(4) Furniture	X			
(5) Household Equipment (Stoves, Refrig., etc.)	X			
(6) Transportation in Cooperating Country		X 1/		X 1/
(7) Interpreter Services (if needed)				X
Other: (8) Local & International travel, including per diem				X
(Specify) (9) Secretarial Services				X
(10)				
(11)				
(12)				
(13)				
(14)				
(15)				

B. Additional Facilities Available From Other Sources

Tunisia: AmEmbassy/AID Commissary
Morocco: Military PX/Commissary

C. Comments

1/ Vehicles to be provided directly by cooperating country or financed from trust funds titled, licensed, and maintained by cooperating country.

AID 1980-1 (8-88) PIO/T	<p style="text-align: center;">DEPARTMENT OF STATE AGENCY FOR INTERNATIONAL DEVELOPMENT</p> <p style="text-align: center;">PROJECT IMPLEMENTATION ORDER/TECHNICAL SERVICES</p>	<input type="checkbox"/> Worksheet <input checked="" type="checkbox"/> Issuance Cooperating Country Africa Regional Project/Activity No. and Title 698-11-190-171 Mediterranean Fruit Fly Control	PAGE 6 OF 7 PAGES PIO/T No. 698-171-2-6190101
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FINANCIAL AGREEMENT

29. A. Cooperating Country Financing B. 2b

Pursuant to paragraph 5,111,1/ of the PROAG or Other underlying document signed on June 26, 27, 1969 and subject to the amount shown in Block 13.D above, the Cooperating Country will provide all local currencies required for the expenditures within the country, during the period starting on the Date of this Issuance (Block 18 above) and ending on the Final Contribution Date of the [PROAG or other enabling document]: July 31, 1970 and December 31, 1972 authorized under this Project Implementation Order, with the exception of the following types of expenditures, which AID hereby agrees to assume:

B. As of the effective date of any contract or agreement executed under this Order, the country will establish in the name of the supplier of the services described herein, a local currency advance in the amount of: _____

30. AID Financing

Pursuant to the provisions of the above-referenced Project Agreement or other document, and subject to the limitation of the Total to Date as shown in Block 12.D above, AID will provide all U.S. Dollar Currencies required for expenditures, during the period starting on the Date of this Issuance (Block 18 above), and ending on the Final Contribution Date of 7/31/70 and 12/31/72 authorized under this Project Implementation Order, with the exception of the following types of expenditures which the Cooperating Country hereby agrees to assume:

Block 21. A. (CONTINUED)

rearing of the fruit-fly under laboratory conditions. While stationed in Tunisia, the entomologist will make occasional TDY trips to Morocco to advise on project activities.

- b. Upon the completion of the survey phase in Morocco, the entomologist will determine and establish through limited research the methods and procedures for a fly sterilization/control program suited to Morocco. Moroccan staff will be trained in the techniques of these methods.

3. General

The leader-coordinator will determine and initiate procurement of essential commodities needed in direct support of PASA technicians. Moroccan and Tunisian staff will be trained in use of equipment procured.

PIO/T

DEPARTMENT OF STATE
AGENCY FOR
INTERNATIONAL DEVELOPMENT

PROJECT IMPLEMENTATION
ORDER/TECHNICAL
SERVICES

Worksheet Issuance

PAGE 1 OF 7 PAGES

1. Cooperating Country
Africa Regional

2. PIO/T No.
698-171-2-6113048 7p

3. Project/Activity No. and Title
698-51-190-171
Mediterranean Fruit Fly Control

4. Appropriation Symbol 72-1111004		5. a. Allotment Symbol & Charge 154-61-698-00-69-11		5. b. Funds Allotted to: <input checked="" type="checkbox"/> AID/W <input type="checkbox"/> Mission	
6. Obligation Status <input checked="" type="checkbox"/> Administrative Reservation <input type="checkbox"/> Obligation <input type="checkbox"/> Sub-Obligation				7. <input checked="" type="checkbox"/> Original or Amendment No.:	
8. No. of Technicians 2		9. Services to Start (Mo., Day, Yr.) Between Continuing And:		10. Duration (Months) a. Of Services 12 b. Of Financing 12	
11. a. Type of Action <input type="checkbox"/> AID Contract <input type="checkbox"/> Cooperating Country Contract <input checked="" type="checkbox"/> Participating Agency Service Agreement <input type="checkbox"/> Other					
11. b. Authorized Agent AID/W through U.S. Dept. of Agriculture					
Financing \$1.00 =		A. Previous Total	B. Increase	C. Decrease	D. Total to Date
12. AID Financing a. Dollars			\$80,000		\$80,000
b. U.S.-Owned Local Currency					
13. Cooperating Country Contributions a. Counterpart					
b. Other					

14. Mission References
Tunis 5070

15. Objective for which the Technical Services are to be used (Describe)
The purpose of this PIO/T is to authorize continuation of technical services initiated under PIO/T 698-171-2-6190101 and PASA AFR(AJ) 07-70 in support of a regional project to provide the Morocco and Tunisia Governments with U.S. technical services in developing and carrying out a regional project in pilot test areas to control the Mediterranean Fruit Fly by means of gamma sterilization, cultural control practices and appropriate baits and sprays. Also to authorize the assignment of a full term entomologist to Morocco and increasing the term of the entomologist leader coordinator by two years and providing for short term consultants as required and within the approved budget.

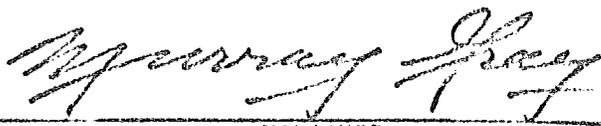
16. Mission Clearances	Date	Mission Clearances	Date

17. Date of Original Issuance
February 3, 1971

18. Date of this Issuance
February 3, 1971

19. For the Cooperating Country
The terms and conditions set forth herein are hereby agreed to:

20. For the Agency for International Development

SIGNATURE	DATE	SIGNATURE	TITLE
			
TITLE		TITLE	

DEPARTMENT OF STATE
AGENCY FOR
INTERNATIONAL DEVELOPMENT

 Worksheet Issuance

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PIO/T

PROJECT IMPLEMENTATION
ORDER/TECHNICAL
SERVICES

Cooperating Country

Africa Regional

PIO/T No.

698-171-2-6113048

Project/Activity No. and Title

698-51-190-171

Mediterranean Fruit Fly Control

SCOPE OF WORK

21. Scope of Technical Services

A. Description

1. TUNISIA

An entomologist experienced in sterile fly techniques is required to act as leader-coordinator of all phases of the regional project in Morocco and Tunisia. Major duties include the following:

- a. Direct and coordinate the sterile fly pilot research experiment.
- b. Promote cooperation between the National Institute of Agronomic Research in Tunisia and Morocco.
- c. Facilitate cooperation with the International Atomic Energy Agency. Continued support of the regional project by the International Atomic Energy Agency is to be encouraged as the Agency can continue assistance to the program after the AID project is phased out.

(Continued)

B. Technicians

(1) (a) Number	(b) Specialized Field	(c) Grade and/or Salary	(d) Duration of Assignment (Man - Months)
1	Entomologist (leader-coordinator)	FC-4	12
1	Entomologist (survey and control)	FC-5	12

Short-term specialists and consultants as required and mutually agreed.

(2) Duty Post and Duration of Technicians' Services The Leader-Coordinator will serve about 6 months in Tunisia, commencing in January 1970 and, following that, one year in Morocco. He will also provide periodic TDY services to the other country during the course of his assignment. The Survey Entomologist will serve 24 months in Morocco, commencing in

(3) Access to Classified Information

March 1970.

Secret: Leader Coordinator on a need-to-know basis.

regular tour

(4) Dependents Will Will Not Be Permitted to Accompany Technicians

Dependents of short-term personnel will not travel at AID expense.

C. Financing Costs of Technical Services

(1) By AID - \$ 34,000

(2) By Cooperating Country -

DEPARTMENT OF STATE
AGENCY FOR
INTERNATIONAL DEVELOPMENT

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PIO/T

PROJECT IMPLEMENTATION
ORDER/TECHNICAL
SERVICES

Cooperating Country

Africa Regional

PIO/T No.

698-171-2-6113048

Project/Activity No. and Title

698-51-90-171

Mediterranean Fruit Fly Control

22. Equipment and Supplies (Related to the services described in Block 21 and to be procured outside the Cooperating Country by the supplier of these services)

A. (1) Quantity	(2) Description	(3) Estimated Costs
	1. <u>Morocco</u> Irradiation Unit	\$40,000
	2. <u>Tunisia</u> Commodities (see Original PIO/T 698-171-2-6190101)	\$ 6,000

B. Financing Costs of Equipment and Supplies

(1) By AID - \$ 46,000

(2) By Cooperating Country -

23. Instructions to Authorized Agent

AID/W will negotiate an amendment to the PASA # afr (AJ) 07-70 which will include the following changes:

- 1) an increase in the number of technicians from one to two;
- 2) a special provision whereby the USDA will administer the training programs for two long-term participants (one each from Morocco and Tunisia).

24. Special Provisions

The PASA entomologist assigned as leader-coordinator of the regional project, in cooperation with the respective host governments project director, will determine appropriate methods and procedures to be used in Tunisian and Moroccan sterile fly research experiments and in the Moroccan Medfly survey.

DEPARTMENT OF STATE
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PIO/T

PROJECT IMPLEMENTATION
ORDER/TECHNICAL
SERVICES

Cooperating Country
African Regional

PIO/T No.
698-171-2-6113048

Project/Activity No. and Title
698-51-190-171

Mediterranean Fruit Fly Control

25. Reports by Supplier of Services (Indicate type, content and format of reports required, including language to be used if other than English, frequency or timing of reports and any special requirements)

Final reports - in English and French - 50 copies to AID and 25 copies each to GOM and GOT.

Progress reports - regular progress reports at quarterly intervals will be submitted in English to office of North African Affairs (5 copies) AID/W; also 5 copies will be submitted to both USAID/Tunis and USAID/Morocco.

26. Availability of Background Information (Additional information useful to Authorized Agent and Prospective Suppliers; if necessary, cross reference Block 21.B(3) above)

As required.

27. Relationships of Supplier to Cooperating Country and to AID.

A. Relationships and Responsibilities

The PASA Project Leader-Coordinator will have responsibility for directing this regional project; he will be assisted with his work in Morocco by a Survey and Control Entomologist.

B. Cooperating Country Liaison Officials

TUNISIA - Director, National Agronomic Institute

MOROCCO - Director, Agriculture Research Division, Ministry of Agriculture

C. AID Liaison Officials

Food & Agriculture Officer - Tunis

Food & Agriculture Officer - Rabat

AID 1380-1 (8-63)	DEPARTMENT OF STATE AGENCY FOR INTERNATIONAL DEVELOPMENT	<input type="checkbox"/> Worksheet	<input checked="" type="checkbox"/> Issuance	PAGE 5 OF 7 PAGES
		Cooperating Country Africa Regional		PIO/T No. 698-171-2-6113048
		Project/Activity No. and Title 698-51-190-171 Mediterranean Fruit Fly Control		
PIO/T	PROJECT IMPLEMENTATION ORDER/TECHNICAL SERVICES			

LOGISTIC SUPPORT

28. Provisions for Logistic Support	In Kind Supplied By		From Local Currency Supplied By *	
	AID	Cooperating Country	AID	Cooperating Country
A. Specific Items (Insert "X" in applicable column at right. If entry needs qualification, insert asterisk and explain below in C. "Comments")				
(1) Office Space	X	X		
(2) Office Equipment	X	X		
(3) Housing and Utilities				X
(4) Furniture	X			
(5) Household Equipment (Stoves, Refrig., etc.)	X			
(6) Transportation in Cooperating Country		X <u>1/</u>		X <u>1/</u>
(7) Interpreter Services				X
Other: (Specify) (8) Local & International travel, incl per diem				X
(9) Secretarial Services				X
(10)				
(11)				
(12)				
(13)				
(14)				
(15)				

B. Additional Facilities Available From Other Sources

C. Comments

1/ Vehicles to be provided directly by cooperating country or financed from trust funds are titled, licensed, and maintained by cooperating country.

* Trust fund.

Block 21 (Continued)

TUNISIA (Con't)

- d. Instruct Tunisian and Moroccan research technicians and technicians from other countries in the Mediterranean basin in the use of techniques of control using the sterile fly method.

Duties of Mass Rearing Entomologist*

A "mass rearing" consultant will be required in Tunisia for a period not to exceed 4 months to resolve mass rearing problems and instruct the Tunisian staff in mass rearing techniques. Timing is important in order to be ready to inundate the wild fly population with sterile flies during the next favorable period which is the winter and spring seasons.

2. MOROCCO

Duties of Entomologist (survey & control)

- a. To provide in Morocco an entomologist or equivalent to conduct, over a period of one year, medfly population surveys and determination of plant-host sequences. Assistance will be given in training the research staff in collection, feeding, and rearing of the fruit fly under laboratory conditions. Assistance will be given in training and assembling a staff for implementing the medfly control program.
- b. Upon completion of the survey phase in Morocco, the entomologist with the assistance of the leader-coordinator will establish the methods and procedures for a fly sterilization control program suited to Morocco. More specifically he will:
 - (1) Prepare and install medfly survey traps in selected areas of Morocco to monitor fly population.
 - (2) Make fruit collections to determine host preference and sequence of host attack by the medfly.

* The International Atomic Energy Agency will be requested to provide the services of this technician.

Block 21 (Continued)

MOROCCO

- (3) Determine evolution of medfly population in time and space in commercial citrus growing areas.
- (4) Determine the role of the Argania spinosa forests in the evolution of the fly populations.
- (5) Assist in making pilot tests of the sterile fly method.
- (6) Mass rear and sterilize medflies.
- (7) Assist in making distribution of sterile flies.
- (8) Use cultural, chemical, biological and integrative control methods needed to suppress the medfly.

PROJECT AGREEMENT

6980171-9

BETWEEN THE DEPARTMENT OF STATE, AGENCY FOR INTERNATIONAL DEVELOPMENT (AID),
AN AGENCY OF THE GOVERNMENT OF THE UNITED STATES OF AMERICA, AND

PD-AAC-334

MINISTRE DES AFFAIRES ETRANGERES OF THE GOVERNMENT OF MOROCCO *AFR Regional* 7p

The above-named parties hereby mutually agree to carry out a project in accordance with the terms set forth herein and the terms set forth in any annexes attached hereto, as checked below:

- PROJECT DESCRIPTION ANNEX A
- FOREIGN CURRENCY STANDARD PROVISIONS ANNEX
- STANDARD PROVISIONS ANNEX
- SPECIAL LOAN PROVISIONS ANNEX

This Project Agreement is further subject to the terms of the following agreement between the two governments, as modified and supplemented:

- GENERAL AGREEMENT FOR TECHNICAL COOPERATION DATE
- ECONOMIC COOPERATION AGREEMENT DATE *4/2/57*
- (other) DATE

1. PROJECT/ACTIVITY NO. *698-11-190-171* PAGE 1 OF *7* PAGES

2. AGREEMENT NO. 3. ORIGINAL OR REVISION NO.

4. PROJECT/ACTIVITY TITLE
MEDITERRANEAN FRUIT FLY CONTROL

5. PROJECT DESCRIPTION AND EXPLANATION
(See Annex A attached)

6. AID APPROPRIATION SYMBOL *72-1191004* 7. AID ALLOTMENT SYMBOL *954-61-698-00-69-91*

8. AID FINANCING		PREVIOUS TOTAL (A)	INCREASE (B)	DECREASE (C)	TOTAL TO DATE (D)
<input type="checkbox"/> DOLLARS	<input type="checkbox"/> LOCAL CURRENCY				
(a) Total			47,000		47,000
(b) Contract Services PASA			35,000		35,000
(c) Commodities			12,000		12,000
(d) Other Costs			4,000		4,000
9. COOPERATING AGENCY FINANCING - DOLLAR EQUIVALENT					
GOM - Budget			31,700		31,700
(a) Total Trust Fund			4,500		4,500
(b) Technical cooperation Trust Fund			13,200		13,200
(c) Commodities GOM Budget			1,000		1,000
(d) Other Costs GOM Budget			17,500		17,500

10. SPECIAL PROVISIONS (See Significant Conditions Sheet, if necessary)

11. DATE OF ORIGINAL AGREEMENT *June 27, 1969* 12. DATE OF THIS REVISION

13. ESTIMATED FINAL CONTRIBUTION DATE *December 31, 1972*

14. FOR THE COOPERATING GOVERNMENT OR AGENCY
Mt. Ali Mounir

SIGNATURE: *[Signature]* DATE: *[Blank]*

TITLE: *[Blank]*

15. FOR THE AGENCY FOR INTERNATIONAL DEVELOPMENT

SIGNATURE: *Philip Birnbaum* DATE: *[Blank]*

TITLE: *Director*

Division of Technical Cooperation
Ministry of Foreign Affairs.

Ministère des Finances
AMEORE
Walker
Amilot
James D/DIR

H. Paraj
[Signature]

CONTINUATION
SHEET

FORM SYMBOL

PRO AG

Indicate block
numbers.DEPARTMENT OF STATE
AGENCY FOR
INTERNATIONAL DEVELOPMENT

TITLE OF FORM

PROJECT AGREEMENT

 Worksheet Issuance

PAGE 1 OF 5 PAGES

1. Cooperating Country
MOROCCO

2.a. Code No.

2.b. Effective Date

2.c.

 Original OR Amendment

3. Project/Activity No. and Title

698-11-130-171./

Mediterranean Fruit Fly Control

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

INTRODUCTION

The Government of Morocco and the Agency for International Development (AID) through their appropriate agencies do hereby agree to cooperate in a joint regional project described below.

The Government of Morocco, as represented by the undersigned, hereby attests its desire to cooperate fully with the Government of Tunisia in carrying out the regional Mediterranean Fruit Fly project. This cooperation shall include the sharing of technical knowledge, research findings, and data compiled in field work; exchange visits of Moroccan and Tunisian personnel; and the offering of training and observation opportunities to Tunisian nationals, as required.

It is anticipated that this project, of which the present agreement is part, will extend over a period of three years, subject to the availability of funds, and will terminate 31 December 1972.

The Mediterranean fruit fly (*Ceratitis Capitata*) is a major economic pest in Morocco which causes significant damage each year to fruit and other crops. The potential loss of foreign exchange earnings caused by damage to fruit export crops of citrus, apricots, peaches, and apples is of particular concern. If an effective program to control and ultimately eliminate the pest is not developed and implemented in 1969 and 1970, the problem will become increasingly serious as new fruit-tree plantings come into production.

I. Development Objectives of the Project

The development objectives of this project are to:

A. Continue to refine an on-going operational program to control and ultimately eliminate the Mediterranean fruit fly problem, and to train the necessary skilled manpower in the Agricultural Research Division (DRA) to complete this program successfully without U.S. assistance.

B. Help maintain high-quality fruit production that is free from *ceratitis capitata* damage.

C. Demonstrate the feasibility of controlling the *ceratitis capitata* pest through the application of Cobalt 60-gamma sterilization.

DEPARTMENT OF STATE
AGENCY FOR
INTERNATIONAL DEVELOPMENT Worksheet Issuance

PAGE 2 OF 5 PAGES

CONTINUATION
SHEET1. Cooperating Country
MOROCCO

2.a. Code No.

FORM SYMBOL

TITLE OF FORM

2.b. Effective Date

2.c.

Amendment

 Original OR Not

PRO AG

PROJECT AGREEMENT

3. Project/Activity No. and Title

698-11-130-171,1

Mediterranean Fruit Fly Control

Indicate block
numbers.

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

II. Major Sub-Objectives

The major sub-objectives are to:

A. Determine the methods and procedures to be followed in the collection of flies and in the application of dyes for identification purposes.

B. Carry out population surveys, parasite releases, host collections, identification studies and rear the *Ceratitis Capitata* in the entomology laboratories of the Agricultural Research Division (DRA).

C. Conduct research into the methods and procedures for sterilization of the *Ceratitis Capitata* and other pests including the codding moth, tobacco budworm, tobacco horn worm, army worm, cabbage looper, etc.

D. Procure and install equipment at the entomological laboratories of the Agricultural Research Division.

E. Train Moroccan entomologists in the use of this equipment and in research techniques to enable them to establish a training center for the control of *Ceratitis Capitata* and other insects for Moroccan technicians and technicians of neighboring countries.

F. Expand the pilot demonstration program for *Ceratitis Capitata* control and eradication, as soon as it has proven successful, into a national program for the release of sterile insects.

G. Expand the program for *Ceratitis Capitata* eradication and control into neighboring countries willing to participate as soon as these countries have completed the essential ecological research studies on the insect.

CONTINUATION SHEET

FORM SYMBOL

PRO AG

Indicate block numbers.

DEPARTMENT OF STATE
AGENCY FOR
INTERNATIONAL DEVELOPMENT

TITLE OF FORM

PROJECT AGREEMENT

Worksheet Issuance

1. Cooperating Country
MOROCCO

2a. Code No.

2.b. Effective Date

2.c. Original OR Amendment

3. Project/Activity No. and Title

698-11-190-171.

Mediterranean Fruit Fly Control

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

III. Fiscal Year Implementation

A. Organizational Responsibilities

The organization, planning, and execution of this project will be the responsibility of the GOM Ministry of Agriculture /Agricultural Research Division (DRA)/ in conjunction with the USAID Agricultural Division.

Execution of the project will be the direct responsibility of the Director of the Agricultural Research Division (DRA).

B. Scope of Work

1. Work Plan

Work under this project will be carried out in accordance with a jointly-prepared work plan to be reviewed and updated at least annually.

2. Actions to be undertaken during Fiscal Year

a. U.S. Activities and Contributions

(1) One U.S. entomologist with extensive experience in the control of the Ceratitis Capitata and similar species. He will work with and advise the staff of the Agricultural Research Division (DRA) of the Ministry of Agriculture to: strengthen its entomological laboratory services; develop methods and procedures for the collection of flies and for the application of dyes; carry out population surveys, parasite releases, and identification studies; conduct research into the methods and procedures

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for sterilization of the *Ceratitls Capitata* and its various species; and train Moroccans to install and maintain equipment.

(2) Purchase demonstrational commodities including *Ceratitls Capitata* feed, traps, dyes, attractants, stickern, and cotton. After a thorough review and subject to the availability of funds it is contemplated that an irradiator will be purchased under a FY 70 Project Agreement.

b. GOM Activities and Contributions

(1) Two counterpart technicians and four assistant technicians to work with the U.S. technician.

(2) Buildings and laboratories for fly rearing.

(3) Secretarial services and office space for the U.S. technician.

(4) Three motor vehicles and drivers for the use of the U.S. technician and GOM counterparts.

(5) Supplies and equipment.

(6) Standard Trust Fund support for the project.

C. Funding Plan

In carrying out the work to be performed under this project, it is understood that each party to this agreement is committed only to those undertakings described in the Funding Plan below. Additional undertakings and contributions in implementation of project objectives may be made, as required and subject to the availability of funds, through appropriate amendment or through subsequent Funding Plans of future agreements.

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698-11-130-171,)

Mediterranean Fruit Fly Control

Indicate block
numbers.

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1. U.S. Contribution (Fiscal Year 1969)a. Funds Obligated by Project Agreement

(1) Contract Services (PASA)

(Dollars)

35,000

(2) Commodities and equipment

12,000

Total

\$47,0002. G.O.M. Contribution (Calendar Year 1969)a. Trust Fund(\$ Equiv.)Standard contribution for one U.S.
technician

\$ 4,500

b. Other GOM Contribution (CY 69 Budget)(\$ Equiv.)(1) Two GOM technicians and four
assistants

12,000

(2) Three motor vehicles and drivers

10,000

(3) Secretarial Services

1,200

(4) Buildings and facilities

7,500

(5) Supplies and materials

1,000

Total

\$31,700

PROJECT AGREEMENT
BETWEEN THE DEPARTMENT OF STATE, AGENCY FOR INTERNATIONAL DEVELOPMENT (AID), NS
AN AGENCY OF THE GOVERNMENT OF THE UNITED STATES OF AMERICA, AND
MINISTRY FOR FOREIGN AFFAIRS

PRO AG

AN AGENCY OF THE GOVERNMENT OF TUNISIA

The above-named parties hereby mutually agree to carry out a project in accordance with the terms set forth herein and the terms set forth in any annexes attached hereto, as checked below:		1. PROJECT/ACTIVITY NO. 698-FT-190-171.1		PAGE 1 OF 2 PAGES	
<input checked="" type="checkbox"/> PROJECT DESCRIPTION ANNEX A <input checked="" type="checkbox"/> FOREIGN CURRENCY STANDARD PROVISIONS ANNEX <input type="checkbox"/> STANDARD PROVISIONS ANNEX <input type="checkbox"/> SPECIAL LOAN PROVISIONS ANNEX		2. AGREEMENT NO.		3. <input checked="" type="checkbox"/> ORIGINAL OR REVISION NO. _____	
This Project Agreement is further subject to the terms of the following agreement between the two governments, as modified and supplemented:		4. PROJECT/ACTIVITY TITLE Mediterranean Fruit Fly Control (PL 480 Title I, Section 104 (f) - Loan)			
<input type="checkbox"/> GENERAL AGREEMENT FOR TECHNICAL COOPERATION DATE _____ <input checked="" type="checkbox"/> ECONOMIC COOPERATION AGREEMENT DATE 3/26/57 <input type="checkbox"/> (other) DATE _____		5. PROJECT DESCRIPTION AND EXPLANATION <i>(See Annex A checked)</i>			
6. AID APPROPRIATION SYMBOL		7. AID ALLOTMENT SYMBOL			
72-FT-740		777-50-664-00-68-00			
8. AID FINANCING		PREVIOUS TOTAL (A)		TOTAL TO DATE (D)	
<input type="checkbox"/> DOLLARS <input checked="" type="checkbox"/> LOCAL CURRENCY		INCREASE (B)		DECREASE (C)	
(a) Total		20,000 D (\$38,095)		20,000 D (\$38,095)	
(b) Contract Services					
(c) Commodities					
(d) Other Costs		20,000 D (\$38,095)		20,000 D (\$38,095)	
9. COOPERATING/OTHER FINANCING (DOLLAR EQUIVALENT)					
\$1.00 = 0.525 D					
(a) Total					
(b) Technical and other Services					
(c) Commodities					
(d) Other Costs					
10. SPECIAL PROVISIONS (If Additional Comments on 5-2-2, if necessary)					

The United States Government agrees to loan to the Government of Tunisia the sum of 20,000 U.S.-owned Dinars, as needed, subject to the availability of funds, under the terms of Loan Agreement No. 664-G-044 dated August 21, 1969, for purposes outlined in section 104 (f) of PL 480.

AGR *[Signature]*
 PRM *[Signature]*
 CON *[Signature]*
[Signature]

11. DATE OF ORIGINAL AGREEMENT February 2, 1970	12. DATE OF THIS REVISION _____	13. ANTICIPATED FINAL CONTRIBUTION DATE December 31, 1970
14. FOR THE COOPERATING GOVERNMENT (NAME) Béchir Ennaji		15. FOR THE AGENCY FOR INTERNATIONAL DEVELOPMENT Stuart T. Baron
SIGNATURE: Béchir Ennaji DATE: _____ TITLE: Director of Inter'l Cooperation		SIGNATURE: Stuart T. Baron DATE: _____ TITLE: Director USAID/Tunis

PROJECT AGREEMENT

BETWEEN AID AND

MINISTRY FOR FOREIGN AFFAIRS

AN AGENCY OF THE GOVERNMENT OF
TUNISIA

1. Project/Activity No.

698-51-130-171.1

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2. Agreement No.

3. Original or

Revision No. _____

3. Project/Activity Title

Mediterranean Fruit Fly Control

PL 480 Title I, Section 104 (f) - Loan

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ASSIGN A

These U.S. owned dinars will be deposited to and administered through the USAID Trust Fund and will be used to cover the services of an airplane to be used in support of the Mediterranean Fruit Fly project for a period of one year. It is agreed that this airplane be hired from a local company (SONAPROV), as needed, at the rate of 60 dinars per hour, to provide the following services:

1. One or more aerial surveys by Medfly technical staff over pilot test area.
2. One or more aerial drop flights per week over the test site near Ras-El-Djebel, Metline, and Raf-Raf.
3. As required, application of pesticides for local eradication of Medflies in pilot test area.

For the Cooperating Government or Agency

SIGNATURE: *Bechir Ennaji* DATE: _____

TITLE: Director Intern'l Cooperation

For the Agency for International Development

SIGNATURE: *Stuart A. Baron* DATE: _____

TITLE: Director USAID/Tunisia