

MONTHLY REPORT: JULY, 1984I. REGIONAL RFCP ACTIVITIES (DAKAR)A. FIELD OPERATIONS

1. Crop Loss Assessment (Senegal)
Final Report received 10 July 1984. (Attachment I).
2. Crop Loss Assessment (The Gambia)
July 11-21 - Dr. Dively and Celeste Welty visited selected farmer fields to take stand counts and estimate weed density. Logistics for August/September visit by University of Maryland team discussed with Director CPS (The Gambia) See Welty trip report (Attachment II). Dr. Dively met with Dr. Bos (IPM) to discuss procedures per June 1984 crop loss assessment study.
3. Test of Carriers for Chemical/Biological, Grasshopper Control Agents (Senegal).

Report not yet received. Follow-up letter sent.
4. Test of Entomopox Virus in Control of Amsacta moloneyi (Senegal)
 - a. Deleted. The following was substituted: Dr. Truman Clark, USDA-ARS, Insect Pathologist visited the project and met with Dr. Bhatnagar (IPM) on July 5-6. See Attachment letter for summary of activity Attachment III.
 - b. Dipel was received and forwarded to Dr. Bhatnagar on 31 July.
 - c. Request for "heliothis nematode formulation" made to Dr. Clark on 30 July.

B. TRAINING

1. Printed Materials

a. Pesticide Fact Sheets

July 9-10 C. Welty, J. Andreasen and C. Castleton conducted review of various project fact sheets as part of effort to standardize for the Region and establish content needed.

b. First Aid Booklet

Review and revisions continued during this period.

c. Farmer-Oriented Extension, Pictorial Training Materials

- Sketches (26) for pesticide storage flip chart were completed during this period.

- Fact sheet on keeping rodents out of on-the-farm grain stores was completed.

d. Slide/Script on *Zonocerus variegatus*.

Drafted script still under review.

e. Sorghum Diseases in West Africa

Printing scheduled for September.

f. Nematode Manual (French)

Printing completed. Distribution of 2500 copies begun.
(Attachment IV)

g. Pesticide Users Guide

(1) Arrangements made with artist for additional drawings including 26 for the extension program on pesticide safety (Chapter X).

(2) Suggested revisions for section on first aid given to J. Andreasen.

(3) Comments received from Castleton, Andreasen and Zeiss, and incorporated into the current draft.

(4) Welty Castleton and Andreasen meet on 9 July to discuss format for pesticide fact sheets and section on pesticide dosages.

(5) Welty met with Zeiss the week of 23 July to discuss major re-arrangement of the chapters and other changes to make the Guide more interesting and practical.

h. Misc. Publications.

(1) Field handbooks for use in Training Programs were received from ICRISAT on sorghum insects and sorghum and millet diseases.

(2) Books ordered from GTZ for distribution to project country CPS's were received.

2. Workshops/Conferences/Seminars

a. Vegetable Pest Control Workshop

Completed.

b. Management: Planning and Implementation

Completed.

c. Materials Workshop III

Cancelled.

3. Sahel Institute

a. The newsletter (P.V. Info) received an ISSN assignment (ISSN 0255-0601)

b. PV Info No. 9 was completed.

c. Mr. Kone returned on 14 July after completing two weeks of offset machine training in Paris.

d. Facts Sheets - 22,000 printed to date; 18,773 distributed.

e. Fact Sheet drafts received from specialists during this period.

- (1) Chilo partellus
- (2) Raghuva albipunctella
- (3) Cowpea Weevil
- (4) Amsacta maloneyi

g. RFCP Manual - 9 copies distributed to Europe, USA and Africa.

h. Budget prepared (RFCP FY 85).

C. MISCELLANEOUS (ACTIVITIES/HIGHLIGHTS/MAJOR MEETINGS/TRIPS/SIGNIFICANT EVENTS)

1. Meeting with Auditors (RIG) to discuss their draft report (July 19). Response to report drafted off and on between 13-23 July.
2. ADO Balis and RPM Franklin attend opening session of OCLALAV meeting on 12 July.
3. RPM Franklin makes presentation during Crop Loss Assessment Short Course at the University of Minnesota on July 9. Topic was : Crop Loss Assessment and its Use in West Africa Crop Protection.
4. July 10 - RPM returns from TDY to Washington.
5. July 18 - RPM met with S. Diemé, Director Dakar Training Center to discuss training program and staff training for remainder of 1984.
6. July 25-28. RPM on TDY in The Gambia to review status of project with USAID/Banjul and Director CPS/Yundum. Two of the three IPM Model villages visited (Mamu Fana, Fula Bantang) visited with FAO specialist (P.Manser). Crop Protection activities reviewed. Sam Oliver (In charge of field operations) spent two days with RPM. Field activities and training reviewed. Project built warehouses at Sapu and Jenoi visited

REGIONAL FOOD CROP PROTECTION
MONTHLY REPORT JULY 1984

II. CAPE VERDE

A. Field Operations

1. Construction

Check was received during this period but was not deposited by the Government into the local account. As a result no work was carried out on the six warehouses during July.

2. Biological Control

Meeting scheduled 21-24 August with GTZ/Cape Verdians at St. George Research Station to identify "Areas of Cooperation".

3. Grasshopper Control

Topic has been scheduled for discussion in Cape Verde with Crop Protection Service, 21-24 August..

B. TRAINING

1. Short term training

a. Plant Quarantine

On 23 July Mr. Francisco Delgado began his three week Plant Quarantine training program at USDA-APHIS-Plant Protection and Quarantine, Hyattsville, Md. Meeting has been scheduled 21-24 August in Cape Verde to review progress to date in Plant Quarantine and lay-out next steps.

b. English Language.

Elisa Fortes is continuing her program in the U.S.

C. MISCELLANEOUS.

1. RPM has scheduled TDY to Cape Verde for the week of August 21-25. This will be to meet with USAID, the Crop Protection Service and research officials. Discussions will center on biological control work sponsored by GTZ ; status of Crop Protection program in Plant Quarantine, grasshopper and the other pest control activities; and the current research program at St. Georges. Discussions will be held to begin preparation of FY85 work plan.

REGIONAL FOOD CROP PROTECTION
MONTHLY REPORT JULY 1984

III. THE GAMBIA

A. Field Operations

1. Crop Loss Assessment - Millet.

CPS continued to provide assistance. See Regional RFCP activities (DAKAR) I-A-1 for more information.

2. Construction of Regional Base (Kuntaur)

Construction is on-going. Completion expected in September as scheduled. Contractor has received 2nd payment. First payment was pre-construction advance.

3. Plant Quarantine

25 July - Provided information/examples of documents used to inform general public (U.S.) by USDA-APHIS-PPQ about the danger of bringing back to the U.S. unwanted plant pests. These materials will be used by the Gambia CPS in their effort to develop their own materials for advising Gambians/others about Gambian Plant Quarantine activities and the danger of importing certain plant products.

4. Plant Pathology

a. Cowpeas

No action taken.

b. Nematology

Dr. Prot (ORSTOM) submitted his final report on the results of his nematode survey in The Gambia. (Attachment V). This completes this activity for FY84.

5. Radio Network

All ordered commodities were received during this period. Effort is still underway to resolve Banjul-Yundum link.

6. Cassava Mealybug Biocontrol

Monthly samples continue to be taken for released beneficials. Final sample to be taken in August. No finds confirmed as positive to-date. See attached progress report - Attachment VI.

7. Cassava Mozaic

See attached report of training. Attachment VII

B. TRAINING

1. Academic - S. Sagnia

On-going. Completion scheduled January 1985.

2. In-Country

a. CPS agents

Completed.

b. Farmer-training

Completed

3. Short-Term

a. U.K. Insect Taxonomy Course

No action Taken.

b. U.S. (K.S.U.) - Stored Products Course

No action Taken

c. IITA Cassava Mealybug Biological Control

Two people are being identified for the planned October/November Course.

C. MISCELLANEOUS

1. RPM visited CPS, USAID/Banjul and the three model IPM villages July 25-28. See Regional Office Report for additional details.

REGIONAL FOOD CROP PROTECTION

MONTHLY REPORT JULY 1984

IV. GUINEA-BISSAU

A. FIELD OPERATIONS

1. Construction of Crop Protection Headquarters

GOGB has agreed to provide a former school building to CPS for renovation. The original plans to construct a new headquarters have been dropped.

2. Development and Implementation of IPM Strategies

a) Cassava

(1) Cassava Mealybug

No action taken .

(2) Cassava Mosaic

Plan of action (draft) has been prepared by Plant Pathologist (CPS)..

b) Rice

(1) No action taken.

(2) Information and identification requested on Meteronychus oryzae from WARDA. RFCPO/Dakar requested literature search from USDA.

c) Stored Products. No action taken.

3. IPM Extension

a) Women Vegetable Farmers

No significant action.

4. Control Recommendations/Procedures

- a) 1984 control recommendation not yet promulgated.
- b) CPS still conducting major campaign to control Meteronychus oryzae adults in Mangrove rice.
- c) Control of Spodoptera exempta of CPS in rice nurseries occurred from 14 July until 28 July when natural factors brought the infestation under control.
- d) Control treatment records used in Zone 1 during 1983 were adapted during this period country-wide.

5. National Economic Plant Pest Reference Collection

- a) Entomologist (CPS) attempting to identify native braconid species.
- b) Plant pathologist has registered 55 accessions to date. Most are from fruits/vegetables.

6. Pest Specific Surveys

a) Stored Product Pests

(1) On-the-farm storage

No action taken.

(2) Government groundnut storage

No action taken.

b) Plant Diseases

(1) Millet

No action taken.

(2) Sorghum

No action taken

(3) Corn

No action taken

(4) Vegetable Pests

No action taken.

7. Establishment of a Systematic Pest Survey

Survey efforts are underway but results are erratic. Weakness believed to be functional literacy and inability of the field staff to identify pests.

B. TRAINING

1. In-Service Training

a) Pest Identification and Survey Techniques

Course completed however CPS senior staff continue to reinforce training through inspection visits

b) Motorcycle Operation and Care

Despite formal training course problems are occurring such as: maintenance, mis-use and accidents. Efforts are underway to reduce these problems.

c) Rice Pest ID and Control

No word received from WARDA on proposed program.

2. Extension Agent Training

July 18 - 18 Extension agents in Zone I trained in IPM concepts.
July 28 - 2nd course in Zone 1 was cancelled.

3. Communications

a) Crop Protection Calendar

Calendar received in Bissau in July. See June report for copy. Distribution was made to 900 villagers and local authorities. Local language explanations were given.

b) Carnival

Cancelled. No action.

c) Adult Literacy

(1) ABC Handbook - All 1,000 copies have been distributed by the Ministry of Education and CPS agents.

d) Radio

a) to-date six of twelve monthly calendar theme scripts drafted for the Rural Radio Program. Articles of greater depth to be prepared by CPS specialist.

b) CPS spot announcements on armyworm attack and control measures aired on July 18 and 20.

e) Textiles (Posters on cloth)

No action taken.

4. Short-term Studies

a) U.K. Taxonomy of Economically Important Insects and Mites of the Tropics
Completed - No action.

b) IITA/Nigeria - Biological Control of Cassava Mealybug

Postponed until October/November 1984. Two candidates have been named.

c) Banjul - Observational Tour of Research Stations

Tentatively scheduled for late August.

d) France - Grasshopper ID and Control

Completed - No action.

e) Kenya - Observational Tour of Village-Level Cassava Nurseries.

(Program in Ivory Coast was substituted)
Completed - No action.

C. MISCELLANEOUS.

1. Finger millet - trial of material provided by ICRISAT (Bamako) is underway at Contuboel. Germination was poor. Rodent damage was severe, however no plant disease has been reported:

2. USAID/Washington in process of identifying someone to evaluate RFCP/Guinea-Bissau.

3. Crop Protection Lexicon - This document being prepared by a volunteer for the project has been compiled in Creole, Papel and Mancanha. Interviews of Balanta speakers remain.

4. RFCP-PACD extended from September 30, 1984 to March 31, 1986 (State 205845).

REGIONAL FOOD CROP PROTECTION

MONTHLY REPORT OF JULY 1984

V. MALI

A. Field Operations

1. Cassava Mealybug

No action taken.

B. Training

1. Academic

Mr. Traore is continuing his program (Entomology) at Texas Tech. University.

2. Short-term

a. France-Grasshopper ID and Control

Completed.

b. IITA-Cassava Mealybug

Applications to be completed and forwarded to IITA in early August.

C. Miscellaneous

1. RPM has scheduled meeting with Chief of Crop Protection Service in Bamako on 7 August to discuss status of training activities and possible FY85 program.

VI. SENEGAL

A. FIELD OPERATIONS:

1. Bio-Control of Cassava Mealybug

Monthly field sampling was done in early July. Mealybugs and their natural enemies were counted, but the released species were not observed. Final report in progress.

2. Control of Mildew and Various Smut Diseases in Millet.

ISRA/Bambey Plant Pathologist reports that field trials are underway for millet seed treatment using the fungicides Thiram and Benomyl-Maneb. Results will be submitted to RFCP in mid-October.

3. Control of Millet Spike Worm (Raghuva sp.)

See I A 4 a.b.

B. TRAINING

1. Dakar Training Center Operations (DTC)

a) July 13: Mr. Diop of WARDA, Richard Toll, visited the DTC and says the agents in his region are in need of crop protection training. He was told of potential field training by DTC instructors this summer, and that the best way to assure such training would be for him to request it by letter. He expressed concern over the rat problem in the region's rice fields.

b) July 26: Dr. Bos of IPM/Nioro visited the DTC and discussed his crop loss assessment program with Raghuva. He expressed the need for someone to follow 5 fields in the Thies region. The possibility will be explored for DTC staff to assist.

c) Invitations were received from a PVO in Guagadougou and from the Chef Secteur of Bakel for DTC staff to conduct training sessions. Plans for implementing these programs are under way.

d) Estimates were received from the printer for reproduction of fact sheets and DTC brochure.

e) A 1/2 hour radio program was conducted by A.A. Sy on Amsacta.

f) A request was received from Peace Corps for 1-day training of volunteers by DTC staff. Tentative schedule: September.

g) 4 DTC instructors made a visit to 3 agricultural research stations throughout Senegal to gather the most recent information on food crop production and protection before conducting their own training programs for the rest of the summer. The trip lasted from July 27 - August 4, and concentrated on Millet, Sorghum and Rice.

h) Plans completed for training of extension agents and farmers during August, September and October. Four 3-day programs are scheduled for each month. Program centers on millet/sorghum pest identification and control. First aid and pesticide fact sheets will be included in the program.

2. Short-Term Training

a) Grasshopper Control and ID Workshop, GERDAT, Montpellier, France.

Completed - No action .

b) Cassava Mealybug Biological Control Workshop, IITA, Ibadan, Nigeria.

Two individuals have been identified for October/November course.

c) Observational Tour (To Guinea-Bissau)

No action taken.

d) Observational Tour (To The Gambia)

No action taken.

3. Academic Program

a) Doudou Faye (Ohio State - Plant Protection)

Completed - No action Taken.

b) Lamine Ba (Ohio State - Entomology)

On-Going - to conclude in June 1985.