



Trip Report
Mali/Senegal.
18 – 30 June 2010

IPM CRSP Associate Awards:
**Development and Promotion of Integrated Management of
Mango Pests in Senegal**

USAID/Senegal Associate Cooperative Agreement No. 685-A-00-08-00065-00

**Africa Food Security Initiative –
Quality Food Production, Availability, and Marketing**

USAID/EGAT Associate Cooperative Agreement No. EDH-A-00-08-00015-00

Mali: Building Local Capacity in IPM Solutions

USAID/Mali Associate Cooperative Agreement No. 688-A-00-10-00015-00

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Country(s) Visited/Dates of Travel: Mali 19-25 June ; Senegal 25 – 29 June

Traveler Name and Affiliations: Larry Vaughan, IPM CRSP Associate Program Director. Also conducting international travel described in this report are:

Debbie Francis, IPM CRSP Financial Management Associate
Ozzie Abaye, Virginia Tech Department of Crop and Soil Environmental Sciences. See separate trip report

Keith Moore, OIRED

Bob Gilbertson, UC Davis (in Mali on other project funds)

Purpose of Trip:

Mali: 1) Hold regional financial management workshop in West Africa to improve host country partner invoicing. 2) Participate in USAID/Mali partners meeting. 3) Coordinate USAID/EGAT-funded African Food Security Initiative associate award (AFSI) activities in Mali being carried out by IER and OHVN, including building collaborations with the IICEM economic growth project funded by USAID and with Peace Corps.

Senegal: 1) Coordination of ISRA’s AFSI activities. 2) Coordination of the activities of three host country partner institutions that are part of the USAID/Senegal-funded mango IPM Associate award.

Sites Visited: Dakar, Senegal; Bamako, Mali

Description of Activities/Observations:

Debbie Francis and I left Roanoke, Virginia *Friday June 18* and arrived in Bamako *Saturday night June 19*. On Sunday we reviewed material for the financial management seminar. Keith Moore was already in Bamako in anticipation of the USAID/Mali partners meeting. Bob Gilbertson arrived with two students on an undergraduate education abroad project funded through USDA and led by Montana State University. During his travel around the country over the following two weeks, he planned tasks with me and other IPM CRSP colleagues for the W. African Program, the food security associate award (AFSI), and the new Mali IPM associate award.

Monday June 21 – Regional financial management training at IER/Sotuba. In order to improve invoicing efficiency, the IPM CRSP held a one-day training in IPM CRSP financial management for partner institutions involved in any one of the four ongoing IPM CRSP projects in West Africa. The training was presented by Debbie Francis, IPM CRSP Financial Associate, with assistance from Larry Vaughan. Simultaneous translation was provided by Diaffé Bagayoko’s company (*Bureau de Traduction et de Communication*). The training was held at the *Institut d’Economie Rurale* (IER) station in Sotuba. Nine IPM CRSP partner institutions participated. (Ghana – CRI; Mali – DNA, IER, LCV, OHVN, OPV; Senegal – ANCAR, DPV, ISRA) These institutions are

partners in either the W. Africa regional program or one of three IPM CRSP associate awards. Six people came from Senegal, of which five were accountants. One accountant came from CRI in Ghana. The morning session provided an overview of invoicing procedures used by the IPM CRSP for both accountants and technical personnel. After lunch, a detailed discussion and practice session was held using the IPM CRSP bi-lingual invoicing file.

Tuesday June 22 through Thursday June 24. Keith Moore represented SANREM CRSP and I represented IPM CRSP at the USAID/Mali partners meeting. The Mali Mission had invited IPM CRSP to present its invoicing system to host country partners of its other projects. The first morning of the partners' meeting at the Radisson Blu Hotel was a special session dedicated to invoicing led by Debbie Francis for representatives of Malian host country institutions. In the afternoon the regular meeting began.

A report of the partners meeting entitled "Strategic Planning for the Development of a Multi-Year Plan for Feed the Future June 2010 - Summary Report Draft Final" is posted at <http://www.usaid.gov/ml/en/aeg.html> .

On Wednesday June 23, Debbie Francis went to IER/Sotuba to do more work with host country counterparts from OHVN and OPV, who had not attended the Monday workshop. She was assisted by IER researcher Abdoulaye Camara. Including this additional, unanticipated day of training, the participant totals were 11 men and 5 women.

Thursday June 23. Ozzie Abaye, arrived from the U.S. Wednesday evening and participated in the Thursday session of the partners meeting. Thursday evening after the end of the mission partners meeting, I convened a meeting of IPM CRSP AFSI collaborators to work on the implementation of certified rice production with the women's groups in Niena and M'Pegnesso. The meeting was held at Peace Corps/Mali. Present were:

- Peace Corps – Yacouba Kone, Jolie Dennis;
- IICEM – Djiguiba Kouyate, Aissata Thera;
- IER – Kadidiatou Gamby;
- WASA – Ram Shetty (chief of party), Norbert Maroya;
- Virginia Tech – Ozzie Abaye, Larry Vaughan;
- University of Nebraska – Short Heinrichs;
- USAID/Mali – Jean Harman

This was the first face-to-face meeting with Peace Corps/Mali regarding the proposed collaboration on the food security associate award. The objective of the activity is to assist two women's groups in the Sikasso region to profitably cultivate certified rice seed. I recounted the origin of the collaboration between IICEM and IPM CRSP, then outlined the roles of each collaborating institution. WASA was a new element in the collaboration. It has worked for three years in the Sikasso region. Each person at the table contributed to a timeline for immediate action.

Priority activities were agreed upon in order to get underway before sowing. Because IPM CRSP had already identified soil fertility management as a constraint to healthy plants and quality rice, IPM CRSP (IER and Virginia Tech) has the role of testing soil fertility and pest management. IICEM was to provide fertilizer for the small seed rice crops. WASA will provide quality seed and technical assistance. Peace Corps, though not capable of providing volunteers to the villages until next year, will provide capacity building to the women's groups in small business management.

Madame Gamby reviewed re-affirmation by each partner of responsibility for the tasks at hand and proposed a plan for activities the following week. Ozzie Abaye had plans to go to Sikasso for soil fertility work in the two targeted villages the following week, so it was arranged for her to go with IICEM, meet Madame Gamby from IER later in the week, and convene a meeting with the Sikasso personnel of WASA and the IER rice program. Peace Corps reported on its scoping trip of the two target villages, Niena and M'Pegnesso.

Friday June 25. In the morning I first visited Halima Traoré at the *Laboratoire Centrale Veterinaire* (LCV) regarding the development of LCV's line item budget for the Mali IPM associate award. We also discussed approaches to equipping the pesticide residue laboratory and challenges of maintenance for the analytical machines. I then went to IER/Sotuba to meet with Madame Gamby at 1300h about the associate award budget preparation. Issa Sidibe from OHVN joined us for the discussion so that he could begin the process for OHVN. Madame Gamby and I also discussed the long-term training possibilities for her research staff. Afterwards, she and I met with her technician, Sidiki Traore, to discuss implementation of the blister beetle monitoring and damage assessment that will be conducted July through September with support from the food security associate award. We made several modifications to the data sheet.

I left IER Sotuba for a 1600h meeting with Demba Sidibe, the director of the national obsolete pesticide stocks disposal program (*Programme Africain Relatif aux Stocks de Pesticides Obsolètes* (PASP), funded by the World Bank. There are about 270 stockpiles of obsolete pesticides in Mali. Many are from past locust control campaigns. Others are old cotton pesticides held by OHVN and CMDT. PASP does not dispose of pesticides itself; it manages pesticide disposal activities that it contracts through a competitive bidding process. Through this mechanism PASP, effects the packaging, transport, and export of obsolete pesticides, which are then destroyed in Europe at one of the few incinerators dedicated for the purpose. Soil decontamination and land reclamation are carried out by PASP itself. Contaminated soil is dug and dumped into a concrete-lined bed. Powdered carbon is added and mixed. The soil is left for several decades. In the excavated area, topsoil is brought in and mixed with manure and other organic matter. The area is planed with jatropha shrubs and vetiver grass. Long roots reach deep to absorb pesticides and help them evaporate. PASP produced a 20-minute documentary on the process. Another major component of PASP's work is public awareness and outreach. In fact, a substantial proportion of its work appears to now be oriented to raising awareness and providing training on proper storage and handling. The overlapping, but complementary, interest in pesticide safety training is a potential area of collaboration

with the IPM CRSP Mali associate award. PASP has a professional production team for videos, posters, and brochures. This capability could also be of used in joint production of training materials with the IPM CRSP.

In the evening I left Mali for Senegal.

Saturday 26 June through Tuesday through Monday 28 June. I primarily conducted work on behalf of the university. Lodging and per diem were not charged to IPM CRSP during this period.

Monday June 28. In the late morning I was asked to come to DPV to meet with the director of DPV to discuss a problem regarding the fruit fly attractants being supplied for the IPM CRSP area-wide field trials by the USDA phytosanitary systems project funded by USAID/Senegal. There was misunderstanding and disagreement within DPV as to the intended use of the product. The issue was not resolved at the meeting. I communicated with USAID/Senegal and USDA to request assistance in resolving the issue. Before leaving DPV, Kemo and I had a brief meeting with Elhadji Dieng, a DPV technician whose DEA at ENSA is supported by the project.

Tuesday 29 June. Kemo Badji, national coordinator of the fruit fly associate award, and I went to ENSA in Thies to meet with Saliou Ndiaye, the professor supervising the two DEA students and the IT technician. We discussed the need to complete invoicing to restart the flow of money. The second DEA student, Bineta Mbaye Dieye of ANCAR, and Assa Balayara, who is enrolled at UCAD as a Ph.D. graduate student, met with Kemo, me, and Papa Diedhiou, the graduate student advisor at ENSA. We discussed research design issues for Bineta's work with mango sellers in Pout. We also discussed the collaboration between Assa and Bineta so that Assa can obtain quantify the reproductive status of female fruit flies that Bineta recovers from bait traps at the mango market in Pout and in surrounding orchards. I delivered temperature/light probes for Bineta to use for measuring the environmental conditions for heat treating infested mangoes before disposal in order to kill the larvae. Marie Dieng, the IT technician, was not in Thies because she was attending to her husband who was hurt in a vehicle accident. On the way home I had a brief telephone conversation with Ousmane Ndiaye, the DEA graduate of ENSA we were supporting for a Ph.D.

Departure to Paris at 2250h. Delta 8411

Wednesday 30 June. Arrival home via New York, Atlanta, and Roanoke.

Organization Abbreviations:

AFSI. African Food Security Initiative. (IPM CRSP associate award)

ANCAR. *Agence Nationale de Conseil Agricole et Rural*. Senegal

CDH. *Centre de Développement pour l'Horticulture* (ISRA). Dakar, Senegal

DNA. Direction Nationale d'Agriculture, Mali

DPV. *Direction de la Protection Végétaux*, Senegal.

CRI. Crops Research Institute. Koumasi, Ghana

ENSA. *Ecole Nationale Supérieure d'Agriculture*. University of Thies, Senegal
 IICEM *Initiatives Intégrées pour la Croissance Economique au Mali*
 IER. *Institut d'Economie Rurale*, Mali
 ISRA. *Institut Sénégalais des Recherches Agricoles*. Dakar, Senegal
 LCV *Laboratoire Central Veterinaire*
 LTCQE. *Laboratoire de Toxicologie et du Controle de Qualite Environnementale*.
 Bamako, Mali
 OHVN, *Office du Haute Vallée du Niger*. Bamako, Mali
 OIRED. Office of International Research, Education, and Development. Virginia Tech
 ON. *Office du Niger*
 OPV. *Office de Protection des Végétaux*, Mali
 PASP *Programme Africain Relatif aux Stocks de Pesticides Obsolètes*
 UCAD. *Université Cheikh Anta Diop* de Dakar. Senegal
 VT. Virginia Tech. Blacksburg, Virginia USA

Training Activities Conducted

Program type (workshop, seminar, field day, short course, etc.)	Date	Audience	Number of Participants		Training Provider (US university, host country institution, etc.)	Training Objective
			Men	Women		
IPM CRSP financial management workshop	21 June 2010	IPM CRSP accountants and technical coordinators	13	6	VT Management Entity, Debbie Francis, Financial Management Associate	Improve IPM CRSP invoicing efficiency, contract establishment, and annual budgeting
CRSP invoicing and contract management workshop	22 June 2010	CRSP technical personnel (mostly U.S.- based)	15	4	VT Management Entity, Debbie Francis, Financial Management Associate	Present the IPM CRSP invoicing system to other CRSPs at the USAID/Mali partners' meeting

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