

# IPM CRSP Trip Report

**Countries Visited:** Mali and Senegal

**Dates of Travel:** November 11 -23, 2010

**Travelers Names and Affiliations:** George N. Mbata, Fort Valley State University

**Purpose of Trip:** To commence tasks needed to accomplish activity 2e in the IPM CRSP West African work plan (2009-2014)

**Sites Visited:** DPV- Dakar, Senegal, proposed sites for experiment in Notto, Senegal. IER Bamako, Mali, One of the proposed experimental sites for Kati

**Description of Activities/Observations:** Discussions on the 2009-2014 work plan were focused on the use of pheromone-baited traps to monitor and control of the potato tuber moth (*Phthorimaea operculella*) in farms and storage areas. Project tasks (for Activity 2e) for the year 2010-11 were reviewed with national agricultural scientists in Mali and Senegal. Particular attention was paid to the implementation of Activity 2e, which is the use of PTM pheromones to monitor populations of the potato tuber moth.

## **Mali PTM project: Activity 2e.**

In Mali, I met with Mdme Gamby, Kariba and Abdoulaye between November 18 and 20, and we reviewed the tasks listed for activity 2e for Mali.

We agreed that we have to establish the presence of potato tuber moth in Mali before carrying out experiments listed for the tasks in 2e.

Two potato producing towns, Sikasso and Kati were chosen for an initial surveillance experiment for monitoring the tuber moth. For monitoring purposes, two traps dispensed with PTM lures are to be placed per hectare in ten different areas within Kati and Sikkaso. Seriba Katile, Abdoulaye Camara and myself traveled to the village of Sonikegui, Kati, where I demonstrated how to deploy the traps with the lures.

Twenty five traps and 50 lures were delivered to the Malian team for monitoring of potato tuber moth in Kati and Sikasso.



Mbata and the Malian team setting up a pheromone-baited trap for the potato tuber moth (*Phthorimaea operculella*)



A demonstration of pheromone-baited trap set up at Kati, Mali (L to R; Mbata, Camara, Seriba and Ousman)

### Senegal PTM Project:

I met with Kemo Badji between November 15 -17, 2010. We reviewed activities for monitoring and control of potato tuber moth (PTM) in the farms and during storage. Kemo and I agreed that since funds available for this study is limited, that 5 plots of a hectare each be cultivated for the study (Tasks I and III). The experimental plots are to be located in Notto Guouye Diama, a town that is about 30 miles north of Dakar. One of the experimental plots will be prepared by DPV, while the remaining four plots belong to Mr. Youssouph Seydi. For the monitoring of PTM during storage (Activity 2e, Task IV), we will use potato storage huts belonging to Mr. Youssouph Seydi. On Tuesday, November 16, we traveled to Notto to see the experimental sites and met with Mr. Youssouph Seydi. Unfortunately, Mr. Seydi traveled out of town. I was able to demonstrate to Kemo Badji how to assemble and deploy the traps with lures.

All materials (100 traps, 100 lures, 4 thermohygrometers) needed for the completion of Tasks I and III were delivered to Kemo Badji.

### List of Contacts Made:

Name	Title/Organization	Contact Info (address, phone, email)
Kemo Badji	DPV, Senegal	<a href="mailto:kemo2fr@yahoo.fr">kemo2fr@yahoo.fr</a>
Kadidiatou Gamby	IER, Mali	<a href="mailto:Kadidiatou55@yahoo.fr">Kadidiatou55@yahoo.fr</a> ; 223 66 73 72 49
Seriba Katile	IER, Mali	<a href="mailto:katileseriba@yahoo.com">katileseriba@yahoo.com</a>
Abdoulaye Camara	IER, Mali	223 66 73 81 66
Ousman Couliboly	Potato Farmer, Mali	Sonikegue, Kati, Mali