

Feed the Future: Innovation Lab for Integrated Pest Management Trip Report

Country(s) Visited: Ethiopia, Kenya

Dates of Travel: May 17-25, 2019

Travelers' Names and Affiliations: Rangaswamy Muniappan, Director, IPM
Innovation Lab

Purpose of Trip: To visit the facility for rearing natural enemies of *Parthenium* at Guder, Ethiopia, to attend the Innovation Labs Council meeting in Addis Ababa, Ethiopia, and to visit Nairobi, Kenya to review the progress made in rearing and release of natural enemies of fall armyworm (FAW).

Sites Visited:

Ethiopia: Guder and Addis Ababa in Ethiopia

Kenya: Nairobi and Mwea in Kenya

Description of Activities/Observations:

May 18, 2019: Landed in Addis Ababa and arrived at the Hilton Hotel.

May 19, 2019: Dr. Tadele Tefera and I visited Guder where the *Parthenium* project has screen house facilities to raise natural enemies of *Parthenium*. At Guder, we were met by Mulugeta Negeri, Shitaye Terese, Asmaret Teklemariam, Bekele Gelana, Emawayush Mulata, and Woldesemayat Bayissa. We were given a tour of the rearing facility of *Zygogramma bicolorata* and *Listronotus setosipennis*. We found that the project is making good progress and waiting for rain to release these natural enemies in the field.

May 20-21, 2019: Attended Innovation Labs Council meeting in the Hilton Hotel. I presented an overview of IPM Innovation Lab's innovation, application and adoption in addition to a briefing on Management of FAW with special emphasis on biological control.

May 22, 2019: Tadele Tefera and I traveled to Kenya. In the afternoon, we visited the lab at *icipe* where the egg parasitoids of FAW are being reared.

May 23, 2019: Tadele Tefera, Peter Malusi and I visited Mwea to observe the impact of release of *Trichogramma* sp. and *Telenomus remus* in the maize fields. The farmers at Mwea were very impressed with the effectiveness of these natural enemies controlling FAW. Also, we released two containers of lab-reared parasitoids in the fields.

In the afternoon, I made a courtesy call to Dr. Sunday Ekesi, Director of Research and Partnerships at *icipe*.

May 24, 2019: In the morning, I met with Dr. Muo Kasina and discussed plans for bringing in the natural enemies of *Parthenium* to Kenya from South Africa.

In the afternoon, I met with Dr. Lusike Wasilwa, Director, Cropping Systems and Dr. Z.M. Kinyua, Assistant Director, Crop Health Research at KALRO and discussed about the possibility of KALRO taking up rearing and release of the egg parasitoids of FAW. It was mentioned that they will upgrade facilities at the Muguga station and will plan to raise these parasitoids. Peter Malusi and I gave a tour of the lab at *icipe* where the FAW parasitoids are reared to Wasilwa and Kinyua.

I left Kenya in the evening of May 24 and reached Blacksburg in the evening of May 25.

List of Contacts Made:

No	Full Name	Organization	Contact Address	
			Phone	E-mail
1.	Tadele Tefera	<i>icipe</i>	0944168240	ttefera@icipe.org
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