

## IPM CRSP Trip Report

Country Visited: Tanzania

Dates of Travel: July 17-26, 2015

Travelers' Names and Affiliations: Zara Shortt and R. Muniappan, IPM IL ME

Purpose of Trip: To organize and administer three separate workshops on the topics of *Trichoderma* and *Tuta Absoluta*

Sites Visited:

- Arusha, Tanzania: AVRDC and TPRI
- Morogoro, Tanzania: Sokoine University of Agriculture

Description of Activities/Observations:

July 17, 2015: Zara Shortt and R. Muniappan left U.S.A. and reached Arusha, Tanzania at 9:00 p.m. on July 18, 2015.

July 19, 2015 (Sunday): In the morning, we prepared for the workshop, and in the afternoon, we met with the *Trichoderma* workshop participants from Ethiopia, Kenya, India, and Tanzania. Shortt distributed per diem to the participants and also worked with the hotel staff for payment for accommodation of the participants.

July 20: At 8:30 a.m., we traveled to AVRDC facilities and met with Dr. Thomas Dubois and Dr. Jason Smith. At 9:00 a.m., the *Trichoderma* workshop began. Muniappan and Dubois inaugurated the workshop, and Muniappan gave an introductory presentation on *Trichoderma*. (agenda attached). In the afternoon, Muniappan visited TPRI with Mr. Maneno Chidege to observe preparations for the *Tuta absoluta* workshop to take place the next day.

- *Trichoderma* training workshop at AVRDC held July 20-23, 2015. In attendance were 22 participants, two resource persons, and three representatives from the management entity.

July 21: We traveled to TPRI facilities to participate in the *Tuta absoluta* workshop. At TPRI, we met with Director General, Ms. Epi Kimara and Entomologist, Mr. Maneno Chidege, who organized the workshop. The Director General inaugurated the workshop. Mr. Chidege and Dr. Muniappan gave PowerPoint presentations on *Tuta absoluta* origin, distribution, biology, host plants, monitoring, use of pheromone traps, natural enemies and management, followed by a question and answer session. In the afternoon, the team visited tomato fields to observe *Tuta absoluta* damage.

- *Tuta absoluta* training workshop at TPRI held July 21, 2015. More than 103 participants from the area attended.

July 22: We traveled to Morogoro from Arusha via Dar es Salaam and reached Morogoro at 5:00 p.m.

July 23: We traveled to Sokoine University of Agriculture and met with Dr. Amon Maerere and Dr. Mwatawala. Dr. Maerere inaugurated the workshop, and Dr. Muniappan and Dr. Mwatawala gave PowerPoint presentations on *Tuta absoluta*, followed by a question and answer session. In the afternoon, participants visited tomato fields to observe *Tuta absoluta* damage to the crop. On the return trip, they stopped by a tomato market to observe *Tuta* damage to harvested fruits that are being sold.

- *Tuta absoluta* training workshop at Sokoine University held July 23, 2015. About 40 participants attended.

July 24 and 25: We returned to U.S.A., traveling via Dar es Salaam and Amsterdam. Shortt returned on July 25, and Muniappan returned on July 26 due to ticket reservation problems and flight delays.

#### 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		
<i>Trichoderma</i> Workshop	July 20-23	Twenty-two participants, three ME attendants, two resources persons	15	13	Hosted by AVRDC	To disseminate knowledge about <i>Trichoderma</i> to scientists and researchers from across East Africa
<i>Tuta absoluta</i> Workshop	July 21	More than 103 participants	83	20	Hosted by TPRI	To disseminate knowledge about <i>Tuta Absoluta</i> to scientists, extension agents, and local farmers
<i>Tuta absoluta</i> Workshop	July 23	Approx. 40 participants	30	10	Hosted by Sokoine University	To disseminate knowledge about <i>Tuta Absoluta</i> to scientists, extension agents, and local farmers

#### List of Contacts Made:

Name	Title/Organization	Contact Info (address, phone, email)
Please see attached sheet		

**Trichoderma Training Workshop - IPM INNOVATION LAB**

July 20-23 2015

AVRDC - Arusha, Tanzania

	<b>Name</b>	<b>Title/Organization</b>	<b>Email</b>
<b>India</b>			
1	Sevugapperumal Nakkeeran	TNAU - Resource Person	<a href="mailto:nakkeeranayya@gmail.com">nakkeeranayya@gmail.com</a>
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28	?	TPRI	

**Tuta Absoluta Training Workshop - IPM INNOVATION LAB**

21 July 2015

TPRI - Arusha, Tanzania

Name			Title/Organization	Email
TPRI				
1	Maneno Y. Chidege	Research Scientist (Agricultural Entomologist) Head of Post Harvest/Entomology Section Department of Research Tropical Pesticides Research Institute (TPRI)		<a href="mailto:mchidege@yahoo.com">mchidege@yahoo.com</a> <a href="mailto:cmaneno@tpri.or.tz">cmaneno@tpri.or.tz</a>
2	Mrs. Epiphania Kimaro	Director General, TPRI		

**Tuta Absoluta Training Workshop - IPM INNOVATION LAB**

23 July 2015

Sokoine Univeristy - Morogoro, Tanzania

	<b>Name</b>	<b>Title/Organization</b>	<b>Email</b>
	<b>SUA</b>		
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