

Trip Report

Countries Visited: Uganda & Kenya

Dates of Travel: April 5 – 16, 2010

Travelers Names and Affiliations: Mark Erbaugh, Sally Miller, & Matt Kleinhenz

Purpose of Trip: To implement training on tomato grafting and high tunnels for tomato production, prepare materials for dissemination and complete other activities affiliated with work plans.

Sites Visited: Uganda, Makerere University and field visit to Kabanyolo University farm and tomato farmers in Busukuma sub-county; Kenya, Kenya Horticultural Development Program, Kenya Plant Health Inspectorate Service (KEPHIS), KARI/Thika, Mwea Irrigation Scheme in Kirinyaga District, and meeting with USAID regional and bi-lateral Missions.

Description of Activities/Observations:

April 6: Erbaugh and Kleinhenz arrive in Uganda.

April 7: Review research activities with Drs. Karungi, Bonabana, Ssonko, and Kyamanywa; Kleinhenz provides seminar to graduate students; review Karungi manuscript on scotch-bonnet pepper IPM and meet with Rosemary Emegu Isoto (potential grad. student). Meet with Food Security graduate student Didas Asiimwe regarding his multi-locational trials for BW resistant variety MT-56.

April 8: Meet with Geoffrey Tusiime (now working on scotch bonnet pepper. He has obtained new germplasm from Cornell University) and discuss implementation of impending workshops in Kenya; visit to university farm at Kabanyolo to see some tomato trials and newly constructed low-tunnel for screening tomato seedlings and then field visit to two tomato farmers at Busukuma Sub-county.

- Miller arrives Nairobi.

April 9: Erbaugh & Kleinhenz travel to Nairobi. Meet with Livingstone Ochwada, Deputy Director of Kenya Horticultural Development Program to discuss next iteration of this program and then discuss workshop implementation with Dr. Waiganjo.

-Miller meets with IPDN regional coordinator Zachary Kinyua and then with Esther Kimani and Isaac Macharia of Kenya Plant Health Inspectorate Service (KEPHIS) to discuss plant diagnostics training priorities and next program in Kenya 2011.

April 10: Erbaugh, Miller & Kleinhenz go with Waiganjo to visit workshop locations at KARI/Thika and Mwea Irrigation Scheme in Kirinyaga District and review workshop program implementation.

April 11: Joined in Thika by Ugandan and Tanzanian collaborators.

April 12: Workshop on IPM and tomato grafting at KARI/Thika. Hands-on practical training for growers in the afternoon (Program attached). Focus on tomato grafting for bacterial wilt

management. Two day workshop with 42 attendees of which 30 were tomato growers from Kiriya District, Mwea sub-location.

April 13: Workshop on IPM and high-tunnels held at KARI/Mwea followed by visits to grower high tunnels. Focus on use of high tunnels for disease management and improved horticultural crop output (Workshop evaluations attached).

April 14: Travel to Nairobi and wrap-up with Dr. Waiganjo. Kleinhenz departs.

April 15: Meet with USAID. Miller and Erbaugh were to depart but.....Iceland volcano delays departure.

April 18: Erbaugh returns to KARI-Thika to work on workshop evaluations and manuals for grafting and high tunnels.

April 20: Miller departs.

April 21: Erbaugh departs

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		
seminar	4/7/10	16 M.S. students in Crop Science	12	4	Dr. Matt Kleinhenz	Guest lecturer in M.S. class on role of grafting and high tunnels in tomato production
Workshop & grafting practical KARI/Thika	4/12/10	44 attendees	26	18	Kleinhenz, Miller, Ssonko, Amata, Kenyua, Kuria, Menza	IPM and tomato grafting
Workshop and field day KARI/Mwea	4/13/10	44 attendees	26	18	Kleinhenz, Miller, Ssonko, Amata, Kenyua, Kuria, Menza, Kambo, Kyamanywa	IPM and use of high tunnels

Suggestions, Recommendations, and/or Follow-up Items:

-Workshops were extremely well received with much farmer interest and participation.

Additional IPM principles such as disease and insect identification, varietal resistance, screen-house to prevent virus vector contamination, and correct/reduced pesticide use were all incorporated into program.

- Meeting at USAID/Nairobi: Allen Fleming will be leaving his post at USAID/Nairobi and going to the Ghana Mission. Mission interested in receiving ideas for in-country short-term training.

List of Contacts Made:

Name	Title/Organization	Contact Info (address, phone, email)
Jenina Karungi	Asst. Professor, MU/FAF, entomologist & IPM CRSP co-PI	
Jackie Bonabana	Asst. Professor, MU/FAF, agricultural economist, IPM	

	CRSP co-PI, and Impact Assessment GT leader for EA	
Rosemary Emegu Isoto	Lecturer, agricultural economics & potential IPM CRSP sandwich scholar	
Robinah Ssonko	Asst. Lecturer, Crop Science, & IPM CRSP co-PI	
Didas Asimwe	Grad. student on Food Security on varietal characterization and resistance to bacterial wilt	
Samuel Kyamanywa	MU/FA dean & IPM CRSP EA regional coordinator	
Livingstone Ochwada	Deputy Director, Kenya Horticultural Development Program	
Monicah Waiganjo	Assistant Director, KARI/Thika & Kenya EA IPM CRSP coordinator	
Charles Waturu	Director, KARI/Thika	
Lusike Wasilwa	Asst. Director of Horticulture, KARI	
Zachary Kinyua	KARI/National Agricultural Research Laboratory, and EA IPDN coordinator	z.kinyua@scientist.com
Daniel Gitahi	Ministry of Agriculture, DAO for Kirinyaga District	
Jeremiah Njuguna	Area Sales and Technical Manager, Scotts Company	
Peter Ewell	USAID/EA, Regional Ag. Advisor	
Allen Fleming	USAID/Nairobi, Dir. Agriculture, Business & Environment (ABEO) Office	
Chrispine Omondi	USAID/Nairobi, Biotechnology Specialist, ABEO	
Esther Kimani	Kenya Plant Health Inspectorate Service (KEPHIS): Officer in Charge, Plant Quarantine, Nairobi	ekimani@kephis.org
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