

## IPM CRSP Trip Report

Countries Visited: Uganda, Kenya

Dates of Travel: May 10 – 19, 2010

Travelers Names and Affiliations: Richard Pratt, The Ohio State University

**Purpose of Trip:** Confer with collaborators on Food Security

**Sites Visited:** Makerere University, Kampala, Uganda; NACCRI – NARO, Namulonge, Uganda; RUFORUM, Kampala, Uganda; BECA, CIMMYT, CIP at ILRI Campus, Nairobi, Kenya.

### Description of Activities/Observations:

Date	Activity
10 May	Depart USA.
11 May	Arrive Entebbe, Uganda in late evening.
12 May	Met with Dean Sam Kyamanywa at Makerere U. – discussed IPM CRSP food security project, discussed maize project, provided reprint of Asea et al. 2009 (Phytopathology) pub.; Met with cooperator Godfrey Asea to discuss multiple disease resistance breeding of maize, discussed growing importance of grain molds in Uganda (incited by <i>Fusarium</i> spp., <i>Stenocarpella</i> , <i>Aspergillus</i> ; new interest in yellow maize for animal feeding industry, delivered data re: yellow mottle virus. Met plant pathologist (Julius Serumaga), food scientist (Archileo Kaaya) at dinner.
13 May	Met with Director of NACCRI, Julius Serumaga. Discussed new pathogens of maize and related cereal crops (maize rough dwarf virus, Napier stunt incited by Napier stunt phytoplasma) and ear and kernel rots with Julius Serumaga. Viewed maize field plots with Godfrey Asea. Discussed development of yellow maize varieties for animal feeding industry in Uganda with Godfrey Asea, NARO, and Chris Kajjuka, FICA Seeds.
14 May	Travel to Nairobi, ILRI campus. Met with Jagger Harvey, BecA-ILRI Hub, and Kassa Semagn, CIMMYT, to discuss research support for molecular breeding in SSA national programs. Travel to KARI was not allowed by rains and severe traffic jams. Met Dr. Jan Low and discussed carotenoid pigments of maize and sweet potato germplasm related to nutritional health.
15 May	Met with Ted Carey, regional sweet potato breeder, CIP, Ghana to discuss common interests in anthocyanin analysis in maize and sweet potato germplasm, and graduate education of SSA plant breeders. Provided a copy of Pearson's Guide to Preparation for GREs.
16 May	Return to Kampala.
17 May	Met Patrick Rubahaiyo and Richard Edema, Makerere University, to discuss graduate education of plant breeders in AGRA M.Sc. and RUFORUM Ph.D. programs at Makerere. Cornell has provided limited support (taped video instruction

	of lectures and access to library resources). Cornell now wishes to be paid for library access. Paul Gibson was hired to teach breeding class. Program appears strained. Met Archileo Kaaya and toured MU Food Science Dept. lab facilities and discussed grain mold research. Visit with Adipala Ekwamu, Richard Edema, Moses Osiru, and Sylvia Chidime (ICT) RUFORUM and discussed distance education support (e-courses) for plant breeding graduate program.
18 May	Discussed collaborative research plans with Godfrey Asea and graduate student David Karenga. Also completed revision of manuscript for submission to J Mol. Plant Breed. Discussed intellectual property issues re: seed supply, material transfer agreements etc. Late evening, depart Uganda.
19 May	Arrive USA.

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

Follow-up: Exchange MTA with Godfrey Asea. Further explore best pigmented and ear rot resistant yellow and orange inbreds for incorporation into NARO breeding program.

### List of Contacts Made:

Name	Title/Organization	Contact Info (address, phone, email)
Sam Kymanywa	Dean, Faculty of Agriculture, Makerere University	Kampala, Uganda
Godfrey Asea	Director, Cereal Program, NARO	NACCRI, Namulonge
Julius Serumaga	Plant Pathologist, Cereal Program, NARO	NACCRI, Namulonge
Archileo Kaaya	Deputy Dean, Faculty of Agriculture, Makerere University	Kampala, Uganda
Chris Kaijuka	Managing Director, FICA Seeds	Kampala, Uganda
Jagger Harvey	Research Scientist, BecA-ILRI Hub	BecA-ILRI Hub, Nairobi, Kenya
Kassa Semagn	Molecular Maize Breeder, CIMMYT	BecA-ILRI Hub, Nairobi, Kenya
Jan Low	Regional Leader for Sub-Saharan Africa, CIP	International Potato Center Nairobi, KENYA
Ted Carey	Regional Sweet Potato Breeder, CIP	International Potato Center at Crops Research Institute, Kumasi, Ghana
Patrick Rubaihayo	Professor, Makerere University	Kampala, Uganda
Richard Edema	Snr. Lecturer, Makerere	Kampala, Uganda

	University	
Adipala Ekwamu	Director, RUFORUM	Kampala, Uganda
Moses Osiru	RUFORUM	Kampala, Uganda
Sylvia Chidime	ICT Manager, RUFORUM	Kampala, Uganda

