

Meeting on Biotechnology, Breeding & Seed Systems for African Crops

8:30 Call to Order/Announcements

Plenary Session IV: Developing Finished Products

Session Chair: Prof. Mick Mwala

- 8:30 - 8:50 *"Breeding for Beta Carotene Rich Drought Tolerant Sweetpotato for the Drought Prone Areas of Mozambique" - Maria Andrade*
- 8:50 - 9:10 *"Identification of Maize Streak Virus Resistant Hybrids for Commercialization in Kenya" - Jane Ininda*
- 9:10 - 9:30 *"Evaluation of Single Cross Hybrids for Yield and Yield Components in Dry Mid-altitude and Coastal Regions of Kenya" - James Gethi*
- 9:30 - 9:50 *"Participatory Selection, Identification and Release of Low Soil Fertility Tolerant Common Bean (Phaseolus Vulgaris) Genotypes for Tolerance to the Bean Root Rot Disease in Uganda" - Annet Namayanja*
- 9:50 - 10:10 *"Advances in Improvement of East African Highland Bananas through Conventional Breeding"*
- Wilberforce Tushemereirwe
- 10:10 - 10:30 *"Inter-Racial Guinea X Caudatum-Hybrid Development and Testing" -*
Aboubacar Toure
- 10:30 - 10:50 Tea Break

Plenary Session V: Developing Input Markets

Session Chair: Dr. Yvonne Pinto

- 10:50 - 11:10 *"The Challenges and Opportunities of Forming a National Agricultural Input Dealers Association in Uganda" - Rita Laker-Ojok*
- 11:10 - 11:30 *"Input Dealer Development in Nigeria" - Scott Wallace*
- 11:30 - 11:50 *"Strengthening the Delivery System for Farm Inputs to Smallholder Farmers in Kenya" - Caleb Wangia*
- 11:50 - 12:10 *"The Malawi Rural Agricultural Input Supply Expansion Project (RAISE) Phase II" - Richard Chapweteka*
- 12:10 - 12:30 *"Agrodealers Helping Smallholder Farmers Increase Their Incomes: A Case Study of a Female Agrodealer in Malawi" - Janet Matemba*
- 12:30 - 12:50 *"Methods to Improve Small Farmers' Access to Improved Seeds and Other Yield Enhancing Inputs: Experience of FIPS-Africa in Kenya": Paul Seward*
- 12:50 - 14:00 Lunch

Parallel Sessions III

Biotechnology II

Session Chair: Dr. Rachel Chikwamba

- 14:00-14:15 *"The Status of Maize Streak Disease in Uganda: Incidence, Severity and Diversity of Ugandan Maize Streak Virus (MSV) Isolates" - Betty Owor*
- 14:15-14:30 *"Genetic Variability of East African Cassava Mosaic Begomovirus in Tanzania" - James Ndunguru*
- 14:30-14:45 *"Epidemiological Studies on the Variability of Banana Streak Virus in Kenya" - Laura Karanja*
- 14:45-15:00 *"A Proteomics Approach to Understanding Post-harvest Physiological Deterioration Process in Cassava" - Judith Owiti*
- 15:00-15:15 *"Tapping Crop Diversity for the Resource Poor in Eastern, Central and Southern Africa" - Morag Ferguson*
- 15:15-15:30 *"Towards the Development of Molecular Markers for Cassava Brown Streak Disease Resistance" - Heneriko Kulembeka*

15:30-17:20 Closing Session

Breeding Finished Products IV

Session Chair: Dr. Aboubacar Toure

- 14:00-14:15 *"Density Tolerance in Sorghum Hybrids and Inbred Parental Lines" - Clement Karari*
- 14:15-14:30 *"Heterosis, Heterotic Patterns, and Genotype x Environment; Interaction in Guinea Race Sorghum" - Sokona Dagnoko*
- 14:30-14:45 *"Integration of Host Plant Resistance with Agronomic Options Reduces Scourge of Striga in Sorghum" - Tesfaye Tesso*
- 14:45-15:00 *"Improvement of Finger Millet Through Combination Breeding" - Crispus Oduori*
- 15:00-15:15 *"Quantitative Assessment of Mycosphaerella fijiensis Morelet Resistance in Musa Breeding Populations" - Alex Barekye*
- 15:15-15:30 *"Participatory Breeding and Scaling Up of Cassava Landraces and Improved Clones Among Small Scale Farmers Areas Affected by CBSD in Mozambique" - Constantino Cuambe*

15:30-17:20 Closing Session

Training the Next Generation

Session Chair: Prof. Gebisa Ejeta

- 14:00-14:15 *"The African Centre for Crop Improvement: Moving into Phase 2 of the Project" - Mark Laing*
- 14:15-14:30 *"Regional Training at Postgraduate Level: A Case of Plant Breeding MSc Training for SADC Region" - Mick Mwala*
- 14:30-14:45 *"Capacity Development in Plant Breeding at Sokoine University of Agriculture, Morogoro, Tanzania" - Amon Maerere*
- 14:45-15:00 *"Building Capacity and Competence for Plant Breeding and Seed Systems: The Regional Universities Forum for Capacity Building in Agriculture Approach" - Adipala Ekwamu*
- 15:00-15:15 *"An Internet Information Portal on Improving African Crops and Seed Systems" -Musa Omare*
- 15:15-15:30 *"Partnership of the African Center for Crop Improvement and Cornell University" - Vernon Gracen*

15:30-17:20 Closing Session

Developing Source Materials

Session Chair: Dr. James Gethi

- 14:00-14:15 *"Developing Stem Borer Resistant Maize using Conventional and Bt Technology in Kenya" - Stephen Mugo*
- 14:15-14:30 *"Critical Issues in Research and Development of Biotechnology Products for Small- Scale, Resource-Poor Farmers in Kenya" - Simon Gichuki*
- 14:30-14:45 *"Gene Mining of Rice Germplasm (Oryza Glaberrima & Oryza Sativa) to Improve Drought Resistance in Rainfed Production Systems for Resource Poor Farmers of Africa" - Marie-Noelle Ndjiondjop*
- 14:45-15:00 *"Mutagenic Effectiveness of Ethyl Methane Sulfonate in Grain Sorghum" - David Ndung'u*
- 15:00-15:15 *"The Effectiveness of Introducing Beta-Carotene-Rich Sweet Potatoes as a Part of an Integrated Agriculture-Nutrition-Market Development Package" - Jan Low*
- 15:15-15:30 *"Biofortification of Africa's Staples - The Case of Cassava" - Alfred Dixon*

15:30 - 17:20 Closing Session