

**Dry Grain Pulses Collaborative Research Support Program (CRSP)
Global Meeting**

**April 7 – 11, 2010
Hilton Colon Hotel, Quito, Ecuador**

PROGRAM

Day 1 (Wednesday, April 7)

7:45 – 8:45 am	Registration
9:00 – 11:00 am	Opening Session <ul style="list-style-type: none">• Director General of the Instituto Nacional de Investigaciones Agropecuarias de Ecuador, Dr. Julio César Delgado• Director of USAID Mission to Ecuador, Honorable Beth Cypser• Director of the Dry Grain Pulses CRSP, Dr. Irvin Widders• Leader of the Programa Nacional de Leguminosas (INIAP), Ing. Eduardo Peralta
11:00 – 11:30 am	Break (group photograph)
11:30 – 12:00 noon	USAID's Global Strategy for Food Security (Dr. Bahiru Duguma, Office of Agriculture, EGAT/USAID-Washington)
12:00 – 1:00 pm	Technical Vision of the Dry Grain Pulses CRSP (Dr. Irvin Widders, Director)
1:00 – 1:15 pm	Meeting Agenda and Arrangements (Dr. Johan Brink, Deputy Director)
1:15 – 2:30 pm	Lunch (Hilton Colon Hotel)
2:30 – 6:15 pm	Presentation of Pulse CRSP Projects
2:30 – 4:15 pm	<i>Theme: To reduce bean and cowpea production costs and risks for enhance profitability and competitiveness</i> (Moderator- Dr. Tim Porch, ARS/USDA, Puerto Rico) <i>Improving Bean Production in Drought-Prone, Low Fertility Soils of Africa and Latin America – An Integrated Approach</i> (PI-PSU-1). PIs: Drs. Jonathan Lynch and Jill Findeis, Pennsylvania State University; and Magalhaes Miguel, Instituto de Investigação Agrária Moçambique (IIAM), Mozambique

Biological Foundations for Management of Field Insect Pests of Cowpea in Africa (PI-UIUC-1). Pls: Drs. Barry Pittendrigh, University of Illinois at Urbana-Champaign; Clementine Dabire, Institut de l'Environnement et des Recherches Agricole (INERA), Burkina Faso; Ibrahim Baoua, l'Institut National de la Recherche Agronomique du Niger (INRAN), Niger; and Mohammad Ishiyaku, Institute for Agricultural Research (IAR), Nigeria.

Enhancing Biological Nitrogen Fixation of Leguminous Crops Grown on Degraded Soils in Uganda, Rwanda, and Tanzania (PIII-ISU-2). Pls: Mark E. Westgate, Iowa State University; Mateete Bekunda, Makerere University, Uganda; Susan Mchimbi-Msolla and Hamisi Tindwa, Sokoine University of Agriculture, Tanzania; Augustine Musoni, Institut des Sciences Agronomiques du Rwanda, Rwanda; Michael Ugen, National Crops Research Institute, Uganda; Henry Kizito Musoke, Volunteer Efforts for Developmental Concerns, Uganda; Lynne Carpenter-Boggs, Washington State University; Karen Cichy, USDA-ARS, Michigan State University; James D. Kelly, Michigan State University; Phillip Miklas, USDA-ARS, Washington; and Eda Reinot, Becker Underwood, Inc., Iowa.

4:15 – 4:30 pm

Break

4:30 – 6:15 pm

Theme: *To improve the performance and sustainability for bean and cowpea value chains, and To assess impact of Pulse CRSP research, training and outreach* (Moderator- Theobald Mosha, Sokoine University of Agriculture, Tanzania)

Expanding Pulse Supply and Demand in Africa and Latin America: Identifying Constraints and New Strategies (PI-MSU-2). Pls: Drs. Richard Bernsten and Cynthia Donovan, Michigan State University; David Kiala, Universidade Agostinho Neto, Angola; Feliciano Mazuze, Instituto de Investigação Agrária Moçambique(IIAM), Mozambique; and Juan Carlos Rosas, Escuela Agrícola Panamericana-Zamorano (EAP), Honduras

Impact Assessment of Bean/Cowpea and Dry Grain Pulses CRSP Investments in Research, Institutional Capacity Building and Technology Dissemination in Africa, Latin America and the U.S. (PIII-MSU-4). Pls: Drs. Mywish Maredia, Richard Bernsten, and Eric Crawford, Michigan State University

6:15 pm

Adjourn

7:30 – 9:30 pm

Poster Session Presentations (Accompaniment by authors)

Day 2 (Thursday, April 8, 2010)

8:30 am – 12:30 pm Presentation of Pulse CRSP Projects (continued)

8:30 – 10:30 am **Theme: *To increase the utilization of bean and cowpea grain and food products so as to expand market opportunities and improve community health and nutrition.*** (Moderator- *David Kiala*, Universidade Agostinho Neto, Angola)

Enhancing Nutritional Value and Marketability of Beans through Research and Strengthening Key Value Chain Stakeholders in Uganda and Rwanda (PI-ISU-1).

PIs: Robert E. Mazur, Iowa State University; Dorothy Nakimbugwe, Makerere University, Uganda; Michael Ugen, National Crops Resources Research Institute (NCRRI), Uganda; Henry Kizito Musoke, Volunteer Efforts for Development Concerns (VEDCO), Uganda; Hilda Vasanthakaalam, Kigali Institute of Science and Technology (KIST), Rwanda.

Increasing Utilization of Cowpeas to Promote Health and Food Security in

Africa (PIII-TAMU-1). PIs: Joseph Awika, Susan Talcott, Lloyd Rooney and Bir Bahadur Singh, Texas A&M University; Chitundu Kasase, John Shindano, and Kalaluka Lwanga Munyinda, U. Zambia; Kennedy Muimui, Zambia Agriculture Research Institute, Zambia; Abdul Faraj, Prisca Tuitoek, Egerton University, Kenya; Amanda Minnaar, Gyebi Duodu and Andre Oelofse, University of Pretoria, South Africa.

Improving Nutritional Status and CD4 Counts in HIV-Infected Children through Nutritional Support (PIII-MSU-3). PIs: Maurice Bennink, Michigan State University; Theobald Moshia and Henry Laswai, Sokoine University of Agriculture, Tanzania; and Elizabeth Ryan, Colorado State University.

10:30 – 10:45 am Break

10:45 am – 1:00 pm **Theme: *To increase profitability and reduce risk- Improved varieties of bean and cowpea with high yield potential and resistance to economically important diseases and insect pests*** (Moderator- Michael Ugen, National Crops Research Institute, Uganda)

Combining Conventional, Molecular and Farmer Participatory Breeding Approaches to Improve Andean Beans for Resistance to Biotic and Abiotic stresses (PI-MSU-1). PIs: James Kelly and Sieglinda Snapp, Michigan State University; George Abawi, Cornell University; Eduardo Peralta, Instituto Nacional de Investigacion Agropuecuaria (INIAP), Ecuador; and Augustine Musoni, Institut des Sciences Agronomiques du Rwanda (ISAR), Rwanda.

Modern Cowpea Breeding to Overcome Critical Production Constraints in Africa and the U.S. (PI-UCR-1). PIs: Philip Roberts and Jeff Ehlers, University of

California-Riverside; Ndiaga Cisse, Institut Senegalais de Recherches Agricole (ISRA), Senegal ; Dr. Issa Drabo, Institut de l'Environnement et des Recherches Agricole (INERA), Burkina Faso ; and Antonio Chicapa Dovala, Instituto Investigacao Agronomica (IIA), Angola.

Development, Testing and Dissemination of Genetically Improved Bean Cultivars for Central America, the Caribbean and Angola (PI-UPR-1). PIs: James Beaver, University of Puerto Rico; Timothy Porch, USDA-ARS Tropical Agriculture Research Station-Mayaguez; Juan Carlos Rosas, Escuela Agrícola Panamericana-Zamorano (EAP), Honduras; Emmanuel Prophete, National Seed Program, Ministry of Agriculture, Haiti; and António Chicapa Dovala, Instituto de Investigação Agronómica (IIA), Angola.

- 1:00 – 2:00 pm Lunch (Hilton Colon Hotel)
- 2:00 – 4:00 pm **Educational Session: *Impact Pathways and Relevance to Pulse CRSP Projects*** (Session Leaders- Drs. Mywish Maredia, Richard Bernsten and Eric Crawford)
- 4:00 – 4:15 pm Break
- 4:15 – 5:30 pm **CGIAR Partners Session: *Global Research Priorities for Beans and Cowpeas by CIAT and IITA***
- Global Bean Program of CIAT. Dr. Steve Beebe, CIAT, Cali, Colombia
- Global Cowpea Program of IITA. Dr. Ousmane Coulibaly, IITA, Cotonou, Benin
- 5:30 pm Adjourn
- 7:00 – 9:00 pm Informal Poster Session
(Concurrent Project Team Planning Meetings; and Session for new PIs with Administrative Officer- Ben Hassankhani)

Day 3 (Friday, April 9)

- 7:00 am – 8:00 pm Field Trip to Mira and Chota Valleys: Announcement of Bean Varietal Releases by CIALS and INIAP (Result of participatory plant breeding with support from the Dry Grain Pulses CRSP)

Day 4 (Saturday, April 10)

- 8:00 – 10:00 am Thematic Focus Groups:
Panel A. *Strategies to Enhance Pulse Productivity under Abiotic and Edaphic Stress Conditions* (Facilitator- Jim Kelly)

- Steve Beebe- Genetic improvement strategies utilized in the Legumes I & II Initiatives
- Ndiaga Cisse- Molecular approaches to breeding for drought tolerance in cowpea.
- Jonathan Lynch- Bean lines with improved architectures for improved performance on low pH and drought prone soils.
- Juan Carlos Rosas and Consuelo Estevez- Strategies to improved bean productivity on low fertility degraded soils.

Panel B. *Strategies to Strengthen Value Chains, Enhance Pulse Utilization and Achieve Developmental Outcomes from Research* (Facilitator- *Rick Bernsten*)

- Henry Kizito Musoke and Robert Mazur- The Sustainable Rural Livelihoods approach for development
- Julia Bello- Expanding the Impact of Practical Scientific Concepts in Developing Nations
- Cynthia Donovan- Strategies for improving access by resource poor farmers to markets and market information
- Joseph Awika- Assessment of the potential health promoting attributes of pulses

10:00 – 10:30 am	Break
10:30 am – 1:00 pm	Regional Coordination of CRSP Research, Outreach and Training Activities West Africa (Burkina Faso, Mali, Niger, Nigeria, Senegal, etc.): Facilitator- Phil Roberts Central and Eastern Africa (Kenya, Rwanda, Uganda): Facilitator- Robert Mazur Southern Africa (Angola, Mozambique, South Africa, Tanzania, Zambia): Facilitator- Jim Beaver
1:00 – 2:00 pm	Lunch (Hilton Colon Hotel)
2:00 – 5:30 pm	Breakout Sessions for Project Teams for planning and preparation of FY 2011 and 2012 Workplans and Budgets
7:00 – 9:30 pm	Special Dinner at Hilton Colon Hotel

Day 5 (Sunday, April 11)

8:00 – 10:30 pm Free Time (Opportunity for informal meetings with other PIs)
10:30 am – 1:00 pm Emerging Pulse Issues- Moderator- Mark Westgate

Application of “Omics” Tools to Integrated Pest Management of Pulse Cropping Systems.
Drs. Barry Pittendrigh (UIUC)

Potential to Achieve Quantum Increases in Pulse Productivity for Enhanced Profitability by
Resource Poor Farmers in Developing Countries. Dr. Robin Buruchara (CIAT)

Potential for Beans to Address Global Health Concerns. Dr. Maurice Bennink (MSU)

1:00 – 2:00 pm Lunch (Hilton Colon Hotel)

2:00 – 2:30 pm Election of PIs to Technical Management Advisory Committee (TMAC)

2:30 – 3:30 pm *A Case Study in International Collaboration: Strategies for Management of the
Bean Golden Yellow Mosaic Disease*
Lead Author- Dr. Douglas Maxwell, Professor Emeritus, University of Wisconsin
Contributing Authors- J.S. Beaver, J.C. Rosas, S. Beebe, F. Morales, J. Faria, S.
Singh, S. Temple, and M.W. Blair.

3:30 – 4:00 pm USAID Evaluation of the Dry Grain Pulses CRSP- Expectations, Metrics, Process.
Dr. Bahiru Duguma, AOTR for Dry Grain Pulses CRSP, USAID/Washington.

4:00 – 4:45 pm Closing Session- Irvin Widders, Director, Dry Grain Pulses CRSP

4:45 pm Meeting Adjourned