

IPM CRSP Trip Reports

Country Visited: Tajikistan

Dates of Travel: 6-11 June 2011

Travelers Names and Affiliations: Tashpulatova Barno, Research fellow, IPM CRSP project and Aitmatov Murat, Educator, IPM CRSP project

Purpose of Trip: attend the Central Asia regional meeting, participate in the “Pest Problems and Diagnostic Techniques” Workshop, and visit the IPM CRSP Research and Demonstration sites (Wheat, Tomato and Potato) .

Sites Visited: Dushanbe, Tajikistan.

Description of Activities/Observations:

June 6, 2011

Attend the Central Asia Regional IPM CRSP Meeting at Hotel "Istiqlol", Dushanbe, Tajikistan.

Moderators: Dr. Karim Maredia and Dr. Nurali Saidov

Topics of discussion included the following:

- Collaborative research, training/education and outreach aspects of Wheat IPM Packages;
- Collaborative research, training/education and outreach aspects of Tomato IPM Packages
- Collaborative research, training/education and outreach aspects of Potato IPM Packages

US participants were: R. Muni Muniappan, IPM CRSP Director from Virginia Tech; Karim Maredia, George Bird, Walter Pett, Linda Racioppi, and Zahra Jamal from Michigan State University; Frank Zalom, UC-Davis; Mustapha El-Bouhssini from ICARDA; Ravsa Mavlyanova from AVRDC and host country representatives from Tajikistan (Nurali Saidov), Uzbekistan (Barno Tashpulatova) and Kyrgyzstan (Murat Aitmatov).

IPM CRSP project and various activities in each of the three countries were reviewed by host country representatives in Tajikistan, Kyrgyzstan and Uzbekistan. Muniappan provided his perspectives about the Central Asia Regional project activities. This provided an opportunity for me to gain a comprehensive picture of activities in the

region and how to integrate research and capacity building activities of the Global Theme Project “International Plant Virus Disease Network” (IPVDN) into my research activities. In the afternoon, I visited, along with other IPM CRSP team members, a few potato fields and collected symptomatic samples for the diagnostic workshop.

June 07, 2011

Meeting the President of Academy of Agricultural Science at auditorium of Tajik National University. Present were Akhmadov H.M., Coordinator/focal point ICARDA in (Tajikistan) and Professor Saidov N.S, Rector of Tajik National University.

Attended the Pest Diagnostics Training Workshop “Pest Problems and Diagnostic Techniques”, Biological Department of Tajik National University ;Buni Hisorak street at new building of Tajik National University

Welcoming remark and Overview of Workshop:

Professor Saidov N.S. Rector of Tajik National University

Academician Akhmadov H.M., President of Tajik Academy of Agricultural Sciences

Dr. R. Muniappan, Director of Global IPM CRSP, Virginia Tech, USA

Dr. Karim Maredia, Central Asia IPM CRSP Project Director of Central Asia IPM CRSP Project, MSU

Training Activities Conducted

Workshop	Date	Audience	Number of Participants		Training Provider (US university, host country institution, etc.)	Training Objective
			Men	Women		
Pest Problems and Diagnostic Techniques	June 7,2011	77 Biological Department of Tajik National University	32	45	Tajik Academy of Agricultural Science, Dushanbe, Tajikistan; Tajik National University, Department of Biology, Dushanbe, Tajikistan; University of California Davis Virginia Tech University; Kansas State University, and Washington State University, USA	Introduction to the International Plant Diagnostics Network (IPDN) and challenges and opportunities for diagnostic labs and diagnostic training in Central Asia Basic Lecture: a)Basic Plant Pathology, b)Interdisciplinary diagnostic labs- MSU experience,c) Basic Entomology ; d) Diagnosing diseases caused by nematodes;

Meet at workshop site	June 8, 2011	26	10	16	Tajik Academy of Agricultural Science, Dushanbe, Tajikistan; Tajik National University, Department of Biology, Dushanbe, Tajikistan; University of California Davis Virginia Tech University; Kansas State University, and Washington State University, USA	e) Diagnosis of Fungal and bacterial pathogens; f) Diagnosis of Viruses; g) View and discuss arthropod specimens
Field visit	June 09, 2011	67	27	40	Tajik Academy of Agricultural Science, Dushanbe, Tajikistan; Tajik National University, Department of Biology, Dushanbe, Tajikistan; University of California Davis Virginia Tech University; Kansas State University, and Washington State University, USA	Visits to IPM CRSP Research and Demonstration sites to Wheat and Tomato crops in Hissor district. Discussion topics
Pest Problems and Diagnostic Techniques	June 10, 2011	Biological Department of Tajik National University	75	15	Tajik Academy of Agricultural Science, Dushanbe, Tajikistan; Tajik National University, Department of Biology, Dushanbe, Tajikistan; University of California Davis Virginia Tech University; Kansas State University, and Washington State University, USA	Open lecture on Nematodes – Professor George Bird, Michigan State University (participants students, teachers and etc.) Open lecture on Biocontrol – Professor Frank Zalom, University of California Davis (participants students, Faculty members, administrators etc.)

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

Based on discussions at the meeting with IPM CRSP team members and diagnostic workshop participants, it was concluded that research on IPM of wheat, tomato and potato should be related to diagnosis and management of virus diseases in the Central Asia Region (Tajikistan, Kyrgyzstan and Uzbekistan). The direction of CA IPM project should be made to creation of IPM packages on wheat, tomato, and potato through enhancement of training/education and outreach programs.

Rayapati should visit all three host countries and conduct needs-assessment for research and capacity building for virus research.

The Dean of Tajik National University expressed a strong need for supporting virology teaching for undergraduate students. Rayapati should consider giving more lectures to these students during his future visits to Tajikistan.

List of Contacts Made:

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