

Trip Report, IPM CRSP

The International Plant Virus Diseases Network Workshop

Country Visited : India

Dates of Travel : July 11 – 16, 2010

Travelers Names and Affiliations:

Mr. Chou Cheythyrih, FAO Vegetable IPM Project Coordinator of the Cambodian National IPM Programme.
Ms. Hong Chanvibol, Agronomist of Plant Protection Department

Purpose of Trip : To participate in the International Plant Virus Diseases Network Workshop and Planning Meeting for Asian Regions.

Site Visited : Tamil Nadu Agricultural University, Coimbatore, India

Description of Activities/Observations:

The training was organized by Dr. Naidu Rayapati, Dr. G. Karthikeyan and Dr. Sue Tolin involving with more than 20 participants (7 women) from Cambodia, Thailand, Indonesia, Uzbekistan and India.

Ms. Hong Chanvibol and myself (Chou Cheythyrih) participated in several presentations on virus diseases and host country presentations We visited vegetable fields that infected by viruses and two markets where farmers were agricultural produces were sold on whole sale. We shared with the group about vegetable production and virus diseases in Cambodia and participated in planning for next year’s activities.

The training was very well conducted enabling participants to share their experiences with each other and to learn about new findings on virus diseases and their management. Moreover, participants had an opportunity to practice virus inoculation to healthy plants to find out the type virus infecting the plants. Also, participants practiced ELISA test and Tissue Blot Immuno Assay (TBIA) test to identify to virus diseases.

In conclusion, the virus management training is very useful, and we learned a lot about virus diseases on vegetables and their management. The workshop gave us an opportunity to build up a network for sharing information among the participants in Asia.

We will be surveying for virus diseases of vegetable in Cambodia and also setting up some experiments for their management in collaboration with Virus Global Theme program.

Training Activities Conducted

Date/Time	Activities	Focal Persons
July 12th, 2010		
09:00-09:30	Registration and Introduction	Participants, Delegates and TNAU IPM CRSP
09:30-10:30	Inaugural function	
10:30-11:00	Tea break	
11:00-11:45	Over of IPM CRSP and the Global project on virus diseases; linkages with global and regional programs in Asia	Dr. Sue Tolin and Dr. Doug Pfeiffer

11:45-12:30	Gender: Why it matters for IPM CRSP and USAID	Dr. Uma
12:30-1:30 PM	Lunch break	
01:30-01:45 PM	Course Introduction and Objectives	Dr. Naidu Rayapati and Dr. G. Karthikeyan
01:45-02:15 PM	Virus Diseases-how to recognize symptoms	Dr. Naidu Rayapati
02:15-03:00 PM	Virus diseases-how to confirm symptom(s) is (are) caused by	Dr. Sue Tolin
03:00-03:30 PM	Tea break	
03:30-05:30 PM	Graft transmission of viruses	Dr. Naidu Rayapati. Dr. K. Manoranjitham and Dr. G. Karthikeyan
July 13th, 2010		
09:00 – 10:30	Virus diseases – properties, various modes of spread and ecology	Dr. Sue Tolin, Dr. Sri Hendrastuti Hidayat and Dr. Tri Asmira Demayanti
10:30-11:00	Tea Break	
11:00-12:30	Virus diseases – the science and art of disease diagnosis	Dr. Sue Tolin
12:30-01:30 PM	Lunch Break	
01:30-03:00 PM	Virus diseases – disease management and case studies	Dr. Naidu Rayapati and Dr. Sue Tolin
03:00-03:30 PM	Tea Break	
03:30-04:30 PM	Mechanical inoculation and transmission of viruses	Dr. Naidu Rayapati and Dr. K. Manoranjithan
04:30-05:00 PM	FAO-IPM Programme activities in Southeast Asia	Dr. Prabhat Kumar
05:00-06:30 PM	Countries presentation and discussion	TNAU: Dr. G. Karthikeyan TERI- Dr. Nuthan Koushik Indonesia: Dr. Sri Hennrastuti Hidayat and Dr. Tri Asmira Damayanti
July 14th, 2010		
08:00 AM - 06:30 Pm	Visits to fields, nurseries, markets and discussions on varietal trials and IPM packages.	Dr. Karthikeya Dr. Mohankumar Dr. Durairaj Dr. Naidu Rayapati
July 15, 2010		
09:00-11:00	Sample collection strategies, processing and spotting on membranes, TBIA, discussions	Dr. Naidu Rayapati, Dr. Sue Tolin, Dr. Karthikeyan Dr. Manoranjitham
11:00 -05:00 PM	Demonstration of ELISA, RT-PCR and Discussions	Dr. Naidu Rayapati Dr. G. Karthikeyan Dr. Gopinath Kodetham Dr. Balakrishnan
05:00-06:00 PM	Countries presentation and discussion (Cambodia and Uzbekistan)	Mr. Chou Cheythyrieth Dr. Zarifa Kodirova

July 16, 2010		
09:00-10:00	Virus disease – IPM strategies for management	Dr. Sue Tolin
10:00-10:30	Tea Break	
10:30-11:30	Virus diseases – the role of vector management	Dr. Doug Pfeiffer
11:30-12:00	IPM of virus diseases in India	Dr. K. Mohan Kumar
12:00-12:30	Impact assessment of virus diseases and their management	Dr. Naidu Rayapati Dr. G. Karthikeyan
12:30-01:30 PM	Lunch Break	
01:30-06:30 PM	Discussion – IPM CRSP work plans, progress reports, and regional strategies on virus disease management in Asian countries Closing	Dr. Naidu Rayapati Dr. Sue Tolin

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

The suggestion and recommendations were made by the RO as following:

- It would be useful if the training is conducted for a longer period so that the participants could learn more on the vegetable virus diseases.
- IPM CRSP should conduct the Vegetable Virus Diseases Management for IPM trainers in Southeast Asian countries.
- IPM CRSP should assist in sharing information on Virus Diseases of Vegetable Crops with the collaborators.

Acknowledgements

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- The IPM CRSP management team for providing an opportunity for our participation in the training.
- The Organizers of the workshop and the resource team for their excellent presentations.
- Participants for sharing their experiences with us.

List of Contacts Made:

Name	Title/Organization	Contact Info (address, phone, email)
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