IPM CRSP Trip Report

Country Visited: Dhaka, Bangladesh

Dates of Travel: 2-5 February 2013

Travelers Names and Affiliations: Dr Nutan Kaushik, Senior Fellow, TERI, IHC, Lodhi Road, New Delhi, India

Purpose of Trip: Regional review meeting of IPM-CRSP South Asia project

Sites Visited: Dhaka, Bangladesh

Description of Activities/Observations:

Following are brief highlights of various presentations

- Regional review meeting of IPM-CRSP South Asia project was held at Dhaka for 2-5th February 2013. Representative from US included Dr R Muniappan, Dr Edwin Rajotte, Hon Marty Mcvey, Dr George Norton, Dr Sally Miller and Dr M C Chitt, John Bowman, Sahara moon and David Yanggen participated on behalf of USAID.

- Dr Dinakaran made a presentation on the work carried out by TNAU under IPM-CRSP programme. He informed that IPM trials were conducted on tomato, onion, cabbage and cauliflower. They also conducted a workshop on Trichoderma – Viruses.

- Dr Nutan Kaushik gave presentation on the achievements of TERI under IPM-CRSP trial were conducted during 2011-12. Per cent increase in yield with respect to farmer’s practice varied from 9.5-64 % different crops. Following points were highlighted:
  
  - In okra cultivation jassids population may have developed resistant and not manageable by conventional chemicals.
  - By IPM technique yellow sticky traps, neem spray and Beauveria spray jassid population could control moderately.
  - There were huge differences in price of vegetables of North and South due to continuous cultivation round the year tomato price was low in South while in North farmer fetched good prices due to seasonal cultivation.
  - Viruses in tomato cultivation were so severe and most challenging for tomato farming no option available for management except vector control and rouging of infected plants.
- In brinjal cultivation IPM farmer got minimal fruit damage by Leucinodes orbonalis by adopting shoot clipping and pheromone mass capturing technology.
- Cucurbits are the good options for getting good income with minimum input and efforts.
- Helicoverpa armigera infestation on bottle gourd is increasing year by year, this year 80% of flowering damaged by this insect on farmer field.
- Cabbage and cauliflower are good source of income with minimal inputs of IPM and August sown crop escape the Plutella xylostella infestation.
- Water scarcity in South is major concern this year some farmer left vegetable cultivation due to this problem.
- Better saving & harvest plan for North and South IPM growers has been prepared would be recommend from this year’s onward farmer would convinced for change of sowing dates so that can fetch good prices.

- Ms Malvika Chowdhary made presentation on involvement of private sector in popularity of biopesticide. They have started working on chilli.

- There were three presentations from Nepal focusing on plant disease of IPM trials. They seek the help of US scientists in identification of pathoxus.

- Presentation from BARI by Dr Alam, Dr Rahman, Dr Habin, Dr Gulfar, Dr Nazny focused on IPM practices of various crops.

- During the discussion, it came out that Bangladesh government has recently passed an act to facilitate the registration of Biopesticides. Many companies are coming forward to manufacture biopesticide. Among them, Ispahani and Russell IPM are the lead companies.

- Dr Christie in her presentation focused on the involvement of gender in the whole process of IPM. She highlighted the case study of Trichoderma practice used by women folk in Bangladesh and other Asian counties. She circulated a questionnaire in order to enable us to check the involvement of women farmer in whole practice of IPM.

- Presentation after Ispahani focused on their business plan and new manufacturing unit.
## List of Contacts Made:

<table>
<thead>
<tr>
<th>Name</th>
<th>Title/Organization</th>
<th>Contact Info (address, phone, email)</th>
</tr>
</thead>
</table>
| Ms Miriam Rich        | Director of Communications – Office of International Research, Education, and Development Virginia Tech | 526 Prices Fork Road (0378) Blacksburg, VA 24061  
Phone 1 - 540 - 231-4153  
Fax 1 - 540 - 231-3519  
Email mrich@vt.edu |
| Dr Md Mukhlesur Rahman | Director Bangladesh Agricultural Research Institute Training and Communication Bangladesh Agricultural Research Institute | Joydebpur, Gazipur 1701  
Phone 880 - 2 - 9252711  
Fax 880 - 2 - 9262954  
Mobile 01732068199  
Email dir.tnc@bari.gov.bd |
| Bishnu K Gyawali      | Team Leader/ Nepal-IPM CRSP International Development Enterprises                        | Bakhundole  
Lalitpur  
PO Box 2674  
Kathmandu, Nepal  
Tel: 9771 5520943, 5521465  
Fax: 9771 5333353  
Email bkgyawali@idenepal.org |
| Prof Mary E Barbercheck | Professor of Entomology The Pennsylvania State University                                  | Sustainable Agriculture  
516 ASI Building  
University Park PA 16802-3508  
Phone 814 - 863 - 2982  
Fax 814 - 865 - 3048  
Email meb34@psu.edu |
| Dr (Mrs) Ram Devi Timla | Senior Scientist Nepal Agricultural Research Council                                         | Plant Pathology Division  
Khumaltar, Lalitpur  
PO Box 1126  
Phone 977 - 1 - 4602144, 4601155  
Fax 977 - 552672  
Mobile 9841257888  
Email ramdevitimala@yahoo.com, rtimila@gmail.com |
| Mr Kbd Md Ibrahim Khalil | Senior Scientific Officer Ispahani Biotech                                                   | Dewaliabari, Konabari Gazipur  
Phone 018 - 16 - 944185  
Mobile 01937900079  
Email ibrahim_iht@yahoo.com |
| Dr Syed N Alam,        | CSO & Head Indian Agricultural Research Institute                                          | Entomology Division  
Division of Agricultural Chemicals Pusa Campus  
New Delhi  
Email alamsn09@gmail.com |