

IPM Innovation Lab Workshop on Diagnosis of Plant Virus Diseases

Venue: Royal University of Agriculture
Phnom Penh, Cambodia
August 10-12, 2016

OBJECTIVE

The IPM Innovation Lab (IPM IL) will conduct a three day "Training on Diagnosis of Plant Virus Diseases" at the Plant Pathology Division of the Royal University of Agriculture (RUA) in Phnom Penh, Cambodia, August 10-12, 2016. The main objective of this workshop is to provide training on plant virus disease diagnosis and build the capacity of plant pathologists, extension personnel, and NGO personnel in virus disease diagnostics and management.

BACKGROUND

Plant virologists from the IPM Innovation Lab will deliver an interactive participatory workshop with field visits, lectures, and lab work; they will lead discussions on the current status of research, education, the seed production and distribution chain, and extension relevant to the management of virus diseases. Topics will cover fundamental and applied aspects related to viruses, their epidemiology, detection, and management. Discussions will also focus on capacity building needs in Cambodia and how the IPM innovation Lab can play a role in building the human and institutional capacity there.

PROGRAM

- August 10: Inauguration and presentations. Half day field visit, sample collection, symptom identification, and immunostrip detection
- August 11: ELISA setup, lectures
- August 12: ELISA results, discussion, closing remarks

TOPICS

- An introduction to plant viruses and plant virus diseases
- Importance to food security and sustainable vegetable production
- Description of virus and virus-like causes of plant disease
- Dissemination (seed, mechanical, vectors)
- Disease development and impact
- Detection and diagnostics
- Management approaches