

Concept Note
Training Workshop on Hemipteran Pests
GCP/RAS/286/ROK
Yangon, Myanmar. June 14-17, 2016

1. Background

Based on the training schedule for 2016, Expertise Training Workshop on Hemipteran Pests will be implemented in collaboration with NPPO-Myanmar as a hosting country on 14-17 June 2016.

Sucking pests such as scale insect, whiteflies, true bugs and leafhoppers are regarded as very dangerous regulated pests and their damage is continuously increasing in the agricultural sector. However, it is not easy to detect these pests in early stages because they are very small (1-2 mm) and have a spawning behavior in the tissue of the plant stem.

In this regard, prompt and accurate identification techniques for these pests are closely related to the crops' productivity.

Training program will include not only theoretical lectures on these smaller Hemipteran Pests but also practical exercise to identify the pests using the stereo and the compound microscopes. In addition to this, there will be a presentation of country report on "Past activities, current issues/challenges and future action plan for Hemipteran Pests".

Meanwhile, the trainees should be skilled in dealing with lab equipment and have prior knowledge on Hemipteran Pests for the efficient performance of the training.

This workshop will provide an opportunity for the participants to improve the expertise on "Hemipteran Pests survey and identification" as well as to develop the capacity to carry out a series of pest diagnosis works as an expert in the countries after the training.

About 18 participants including 14 trainees from Cambodia and Myanmar and 2 experts from NPPO-Korea are expected to take part in the workshop.

2. Agenda of the workshop

Workshop will be conducted in English and the detailed agenda will be as follow.

2.1. Lecture

The lectures of the training will be delivered on "An identification guide to scale insects and whiteflies" and "Classification of true bugs" by two Korean experts.

2.2. Country report and discussion

Trainees, on behalf of each NPPO of the country, will present the country report on “Past activities, current issues/challenges and future action plan for Hemipteran Pests” (tentative), which will be discussed among the participants after presentation.

2.3. Practice training

Practice will focus on “Specimen preparation for microscopy and identification of Hemipteran Pests” under the guidance of the Korean experts. During the laboratory practice, the trainees will be appraised for their comprehension and proficiency regarding the pest identification through improvised assignments.

2.4. Appraisal

At the last session, trainees will take an examination to assess their expertise level through the test paper prepared by the experts. The questions will be set from the content of the training.

Apart from the expertise test, the workshop performance will be appraised by the trainees through the questionnaire regarding training content, structure and achievement.

3. Outputs

The outputs of the workshop are expected as follows;

3.1. Specific knowledge of the participants on Hemipteran Pests would be improved through expertise lectures.

3.2. Trainees are fully aware of a series of pest identification works and have upgraded pest identification skill through the laboratory practice.

3.3. Relevant information on past activities and current issues/challenges as well as future plan in implementation of the Hemipteran Pests survey in the countries would be shared among the participants through the country report and discussion session.

4. Resource persons

For the expertise lectures and laboratory practice session, two experts, Dr. Soo-Jung Suh and Dr. Yung-Jae Cho from NPPO-Korea, will be working as resource persons.

5. Workshop venue and date

The workshop will be held at a hotel meeting room (lectures) and the laboratory of PPD-Myanmar (practice) on 14-17 June 2016 (Hotel will be confirmed).

6. Expected participants

Approximately, 18 participants are expected to attend the meeting as follows;

6.1. 14 trainees (4 from Cambodia and 10 from Myanmar)

6.2. 1 person from NPPO-Nepal as an observer

6.3. 2 Korean experts as resource persons

6.4. FAO-RAP (Project Coordinator)

Agenda and Timetable

Day-1 (June 14, 2016)

Time	Session	Facilitator
09:00 – 09:30	Registration	
<i>Opening Session</i>		
09:30 - 09:45	Welcome remark	Lead Technical Officer NPPO-Myanmar
09:45 - 10:00	Group photo and Coffee break	
<i>Session 1: Lecture</i>		
10:00 - 12:00	Lecture-1 Presentation on "An identification guide to scale insects and whiteflies"	Dr. Soo-Jung Suh
12:00 - 13:30	Lunch	
13:30 – 15:00	Lecture-2 Presentation on "Classification of true bugs"	Dr. Young-Jae Cho
<i>Session 2: Country report and discussion</i>		
15:00 - 15:20	Coffee break	
15:20 – 17:00	Country report on “Past activities, current issues/challenges and future action plan for Hemipteran Pests (Diagnostics)”	NPPO of Cambodia and Myanmar
	Group discussion	Project coordinator Instructors
	Summary and recommendation	Project coordinator Instructors
Welcome Dinner		

Day-2 (June 15, 2016)

Time	Session	Facilitator
<i>Session 3: Field Trip</i>		
09:00 – 17:00	Field trip : Smaller hemipteran pests collection from botanical gardens and public parks in Myanmar, where dracaena and figus plants are grown	NPPO-Myanmar Dr. Soo-Jung Suh Dr. Young-Jae Cho

Day-3 (June 16, 2016)

Time	Session	Facilitator
<i>Session 4: Laboratory practice (1)</i>		
09:00 - 17:00	Specimen preparation for microscopy and identification of scale insects and whiteflies (including presentations on “Key characters for scale insects and whiteflies”)	Dr. Soo-Jung Suh Dr. Young-Jae Cho

Day-4 (June 17, 2016)

Time	Session	Facilitator
<i>Session 5: Laboratory practice (2)</i>		
09:00 – 15:30	Specimen preparation for microscopy and identification of true bugs, leafhoppers, plant hoppers etc.	Dr. Soo-Jung Suh Dr. Young-Jae Cho
15:30 – 16: 00	Coffee Break	
<i>Session 6: Assessment</i>		
16:00 – 16:30	Expertise test	Instructors
	Appraisal on workshop performance	Project Coordinator
<i>Closing session</i>		
16:30 – 17:00	Closing remark	Project Coordinator NPPO-Myanmar