

ATTACHMENT PROGRAM ON WEEVILS OF QUARANTINE IMPORTANCE WITH SPECIAL EMPHASIS ON STORED PRODUCT INSECT PESTS

Funded by the Japan-ASEAN Integration Fund (JAIF)

1. BACKGROUND INFORMATION

The ASEAN Plant Health Cooperation Network (APHCN) – ASEANET Project “**Taxonomic capacity building to support market access for agricultural trade in the ASEAN region**”, funded by the Japan ASEAN Integration Fund (JAIF) successfully held its capacity building activity, entitled “Training Workshop on Diagnostics of Weevils of Quarantine Importance”, from 10th to 22nd July 2017 at Institute of Weed Science, Entomology and Plant Pathology, University of the Philippines Los Baños, Los Baños, Laguna, Philippines. Based on the recommendation of the resource persons, three participants showed outstanding performance and interest on weevils during the training. These three outstanding participants will be endorsed for the 2nd Phase of the Training Workshop on Diagnostics of Weevils of Quarantine Importance which is a 2-month attachment training program organised by the ASEAN Plant Health Cooperation Network (APHCN) of ASEANET. The three participants will be trained to improve their diagnostic capability and enhance diagnostic resources in the ASEAN. This is also in line with the APHCN-ASEANET project “Taxonomic capacity building to support market access for agricultural trade in the ASEAN region”.

The three selected participants are from Vietnam, Thailand, and Indonesia. During the 1.5 month program, they will be attached to several laboratories in Japan, i.e. Tokyo University of Agriculture (NODAI) Setagaya and Atsugi campuses, and Tsukuba Post-entry Quarantine Centre & Yokohama Plant Protection Research Centre both under the Ministry of Agriculture, Forestry and Fisheries (MAFF). Through this attachment, the participants would be able to gain more in-depth knowledge on taxonomical identification of weevils of quarantine importance, to broaden their diagnostic capability, to increase competency to handle all pest diagnosis, and to widen their experience on weevil collection and preservation. The acquired information would be useful to build up the confidence and skills of the participants thus contributing to capacity development of their Institution or their representative country.

2. OBJECTIVES OF THE ATTACHMENT

The objectives of the attachment program are:

- a). To transfer skills and knowledge of weevil experts specifically Japanese experts on Weevils to counterparts in ASEAN countries so as to increase capacity, experience, and knowledge of the participants in the diagnostics of pests and taxonomic identification.
- b). To strengthen the diagnostic capacity by providing participants with practical understanding of the concept of weevils, their identification and current management practices, and
- c). To tap these selected and trained participants who would undergo more intensive technical training and subsequently serve as potential ASEAN resource persons on the identification of weevils using their gained expertise to the benefit of all ASEAN member states and the ASEAN Diagnostic Network.

3. DATE OF ATTACHMENT: November 7 to December 19, 2018

4. CONTACT PERSONS DURING THE ATTACHMENT:

- a. Prof. Hiroaki Kojima (Weevil Systematist), Laboratory of Entomology, Tokyo University of Agriculture, Atsugi, Kanagawa, 243-0034 Japan
- b. Prof. Keiko Natsuaki and Dr. A. Tsuji, Graduate School of Agriculture, Tokyo University of Agriculture, Sakuragaoka, Setagaya-ku, Tokyo 156-8502, JAPAN
- c. Mr. Yukio Yokoi, Director, Research Division, Yokohama Plant Protection Station, Ministry of Agriculture, Forestry and Fisheries (MAFF) of Japan. E-mail: yokoiy@pps.maff.go.jp

5. PROGRAM OF ATTACHMENT (TIME TABLE):

The following program has the agreement of the above resource persons.

Date	Activities	Responsible Scientist(s)
Nov 7 (Wed)	Arrival in Tokyo	NODAI staff
Nov 8 (Thurs)	Briefing and Orientation at NODAI; Light dinner reception	Natsuaki & staff
Nov 9 (Fri)	Visit to Kagaku Mirai-kan Museum	NODAI staff
Nov 10 (Sat)	Visit to Tama Insect Collection Museum on Stored Product Pests	NODAI staff
Nov 11 (Sun)	Holiday	
Nov 12 (Mon)	Transfer to Yokohama	All participants
Nov 13 (Tue)	Introduction to Plant Protection Research Centre and lectures on plant protection in Japan	Yokohama Plant Protection Centre
Nov 14 (Wed)	Morphological characters of stored product insects	Yokohama Plant Protection Centre
Nov 15 (Thurs)	Collection of stored product insects from the field	Yokohama Plant Protection Centre
Nov 16 (Fri)	Museum and lab work on stored product insects	Yokohama Plant Protection Centre
Nov 17 (Sat)	Holiday	
Nov 18 (Sun)	Holiday	
Nov 19 (Mon)	Presentation by participants on plant protection in their country and major storage insect pests	Yokohama Plant Protection Centre
Nov 20 (Tue)	Making specimens of storage pest insects	Yokohama Plant Protection Centre
Nov 21 (Wed)	Identification of storage pest insects collected by participants	Yokohama Plant Protection Centre
Nov 22 (Thurs)	Identification of storage pest insects collected by participants	Yokohama Plant Protection Centre

Nov 23 (Fri)	Preparing report of attachment at Yokohama Plant Protection Research Center	Yokohama Plant Protection Centre
Nov 24 (Sat)	Participants travel to Tokyo	All participants
Nov 25 (Sun)	Free Day	
Nov 26 (Mon)	Move to Tsukuba and visit Botanical Garden	Tsukuba Post-entry Station, MAFF
Nov 27 (Tue)	Visit Agriculture Chemical Industry for storage pests	Tsukuba Post-entry Station, MAFF
Nov 28 (Wed)	Visit Post-entry Quarantine Centre of MAFF	Tsukuba Post-entry Station, MAFF
Nov 29 (Thurs)	Visit Miyanoshita laboratory	Tsukuba Post-entry Station, MAFF
Nov 30 (Fri)	Visit Tropical Fruits Company importing from SE Asia	Tsukuba Post-entry Station, MAFF
Dec 1 (Sat)	Travel to Tokyo	All participants
Dec 2 (Sun)	Travel to NODAI Atsugi campus	All participants
Dec 3 (Mon)	Introduction of entomology laboratory and its facilities	Kojima & his student
Dec 4 (Tue)	Weevils systematic and classification	Kojima & his student
Dec 5 (Wed)	Weevils systematic and classification – Laboratory work	Kojima & his student
Dec 6 (Thurs)	Collection and preparation of weevil samples	Kojima & his student
Dec 7 (Fri)	Preparation of weevil specimens collected by participants	Kojima & his student
Dec 8 (Sat)	Sorting of weevil specimens into family, subfamily or tribe level	Kojima & his student
Dec 9 (Sun)	Holiday	Kojima & his student
Dec 10 (Mon)	Sorting and observation of other insect taxa	Kojima & his student
Dec 11 (Tue)	Visit to Kanagawa Prefecture Museum of Natural History	Kojima & his student
Dec 12 (Wed)	Visit to pest control company	Kojima & his student
Dec 13 (Thurs)	Preparation for presentations by participants	All participants
Dec 14 (Fri)	Presentations by participants on study at Atsugi	All participants & Kojima
Dec 15 (Sat)	Travel to Tokyo	All participants
Dec 16 (Sun)	Rest day	
Dec 17 (Mon)	Preparation for presentation and report writing on the Attachment program in Japan	All participants
Dec 18 (Tue)	Presentation and Farewell Dinner at NODAI, Setagaya	All participants &
Dec 19 (Wed)	Departure of participants	

5. EXPECTED OUTPUTS

- a) The participants are expected to be able to identify weevils of quarantine importance up to genus level.
- b) The participants are expected to have in-depth knowledge on the proper methodology in collecting and preserving weevils.
- c) The participants are expected to participate or act as resource persons and/or transfer their skills and knowledge to his/her co-workers or other stakeholders in need of such expertise.

6. PROPOSED BUDGET FOR THE ATTACHMENT PROGRAM

The proposed budget for the revised program of attachment is **US\$ 56,052.00**. Please see **Annex 2** for details.