



Australian Government
Department of Agriculture
and Water Resources



QUEENSLAND
GOVERNMENT
Department of Agriculture and
Fisheries



Workshop on the Identification of Pest Fruit flies (Tephritidae)

Applied Research Institute of Agricultural Quarantine (ARIAQ)
Bekasi, Indonesia

30 October – 2 November 2018

WORKSHOP PROGRAM

DAY	TIME	ITEM
	Day 1	
Tuesday 30 October 2018	08:30 – 09:00 am	Registration
	09:00 – 09:45 am	Welcome to Indonesian Agricultural Quarantine Agency (IAQA) [Ms Banun Harpini, Director General, IAQA, Ministry of Agriculture] Presentation: Workshop introduction, context, objectives and overview [Dr Mark Schutze] Presentation: An introduction to the AANZFTA ECWP ASEAN Regional Diagnostic Network Project [Dr Ian Naumann]
	09:45 – 10:30 am	Participant Introductions – Participants will be invited to introduce themselves, identify the agencies for which they work and describe their experiences with fruit flies. Group photograph
	10:30 – 11:00 am	Morning tea
	11:00 – 11:45 am	Pre-workshop evaluation & proficiency test [Dr Mark Schutze/ Dr Soetikno S. Sastroutomo]
	11:45 – 12:30 pm	Presentation: Introduction to Tephritidae and general concepts in taxonomy and systematics [Dr Mark Schutze]
	12:30 – 1:30 pm	Lunch
	13:30 – 15:00 pm	Presentation: Taxonomy and systematics of tephritids [Dr Mark Schutze] - Major groupings - Morphology - Molecular systematics - Taxonomic updates
	15:00 – 15:30 pm	Afternoon tea

DAY	TIME	ITEM
	Day 1	
	15:30 – 16:45 pm	Presentation: Biology, behaviour and biosecurity concerns – Host ranges, geographic distribution, chemical ecology, mating behaviour [Ms Jane Royer]
	18:00 – 10:00 pm	Official Dinner

DAY	TIME	ITEM
Wednesday 31 October 2018	Day 2	
	09:00 – 10:30 am	Presentation: Identification of Dacini fruit flies <ul style="list-style-type: none"> - Resources: Journal articles, books, online material - Introduction to the Handbook for the Identification of Fruit Flies Version 3.0 - Using molecular data to support identification (e.g. DNA barcodes) [Dr Mark Schutze]
	10:30 – 11:00 am	Morning tea
	11:00 – 12:15 pm	Presentation: <ul style="list-style-type: none"> - Fruit Fly Identification Australia website [Dr Mark Schutze] - Using the Lucid Key – Identification walk-through [Ms Jane Royer] - Asian pest species – Key diagnostic characters [Ms Jane Royer] Practical: Identification of Asian fruit fly specimens (external morphology) [Ms Jane Royer]
	12:15 – 12:30 pm	Presentation and Discussion: Future needs for fruit fly capacity building [Dr Ian Naumann]
	12:30 – 13:30 pm	Lunch
	13:30 – 15:00 pm	Presentation: Asian pest species – Key diagnostic characters (cont.) [Ms Jane Royer] Practical: Identification of Asian fruit fly specimens (cont.) (external morphology) [Ms Jane Royer]
	15:00 – 15:30 pm	Afternoon tea
	15:30 – 17:00 pm	Practical: Pacific pest species – Key diagnostic characters [Ms Jane Royer] Practical: <ul style="list-style-type: none"> - Identification of Pacific fruit fly specimens (external morphology) [Ms Jane Royer] - Identification of fruit fly specimens (internal morphology/ aedeagus preparation for dissection) [Dr Yuvarin Boontop]

DAY	TIME	ITEM
Day 3		
Thursday 1 November 2018	09:00 – 10:30 am	Practical: Dissection and measurement of aedeagus [Dr Yuvarin Boontop]
	10:30 – 11:00 am	Morning tea
	11:00 – 12:30 pm	Presentation: Collection & Preservation techniques [Ms Jane Royer/ Dr Mark Schutze] <ul style="list-style-type: none"> - Trap types, lures, and placement - Host rearing - Other techniques - Transport of specimens - Dry preservation and pinning - Wet preservation (e.g. ethanol) - Collection data - Storage and curation
	12:30 – 13:30 pm	Lunch
	13:30 – 15:00 pm	Practical: Pinning and preservation session / continue identifications from Day 2
	15:00 – 15:30 pm	Afternoon tea
	15:30 – 17:00 pm	Practical: Specimens brought by delegates <ul style="list-style-type: none"> - Work on collections for delegates to take home

Day 4		
Friday 2 Nov 2018	09:00 – 10:00 am	Proficiency test [Dr Mark Schutze]
	10:00 – 10:30 am	Discussion: Final questions, future and fruit fly priorities in your country and priorities for research & development and capacity building [Dr Mark Schutze]
	10:30 – 11:00 am	Morning tea
	11:00 – 12:30 pm	Closing remarks [Dr Mark Schutze] Presentation of certificates Workshop evaluation [Dr Soetikno]
	12:00 – 12:30 pm	Workshop close
	12:30 – 1:30 pm	Lunch

A Workshop supported by and in collaboration with IAQA Indonesia, ASEANET and the Standards and Trade Development Facility

