

QUEENSLAND FRUIT FLY

“WHAT CAN I DO?”

Manage Qfly in and around your orchard to produce clean, marketable fruit.

HYGIENE

Orchard hygiene is a critical component of IPM, and has benefits for the management of Qfly;

- Clean up postharvest to reduce new generations of fly
- Remove all fruit from trees after harvest
- Dispose of infested fruit appropriately
- Remove any unwanted or unmanaged trees (this includes wind breaks or other non-crop trees)
- Make sure infested fruit is not brought into your property.

MONITOR

Monitoring all year round using fruit fly traps has multiple benefits;

- To indicate trends in fly populations
- To reveal when spring emergence occurs
- To see if management is working or not
- To discover where flies are coming from

NOTE: Trap catches can't tell you how many flies are in the orchard, or if fruit are infested.

AWM

Area wide management (AWM) is an approach to pest management that considers and manages all pest habitats using a suite of available tools; to prevent fly re-entry onto orchards and to reduce regional populations.

Key considerations are;

- Know your pest – the biology and behavior
- Know your land – climate, habitat and hosts
- Know your neighbours – who can help

BAIT

Newly emerged flies are attracted to protein; female flies need a protein source to mature. Bait sprays include a protein source and a toxicant.

- Different protein sources and toxicants are available
- Sprays must be regular and continuous
- Apply sprays at canopy height (where flies are) avoiding fruit
- Apply early (6 weeks prior to harvest) in Spring, Summer and Autumn
- Reapply after rainfall
- Thickeners can improve longevity of bait sprays
- Keep a record of bait sprays conducted and follow label instructions

MAT

MAT is the Male Annihilation Technique, targeting male flies through the use of a male-attractant and a toxicant.

- Different MAT products are available
- MAT products should be renewed every 3 months
- Use MAT from spring emergence of flies (eg. In August, November, February)
- Place MAT at a density of 10-20/ha (and on perimeters at 20m spacings)

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