

Managing Queensland fruit fly

using male annihilation technique

MAT stands for male annihilation technique. MAT refers to attracting male Queensland fruit flies (Qfly) and killing them, before they can mate with female flies.

MAT lures come in several forms, but all contain a pheromone to attract the male flies (e.g. Cue-lure) and an insecticide to kill.

MAT lures/cups should be used in conjunction with protein baiting to ensure control of both male and female Qfly.

MAT lures are a set-and-forget tool, which can be installed and left in the vineyard and will be effective for at least three months.

Cardboard MAT cups are biodegradable.



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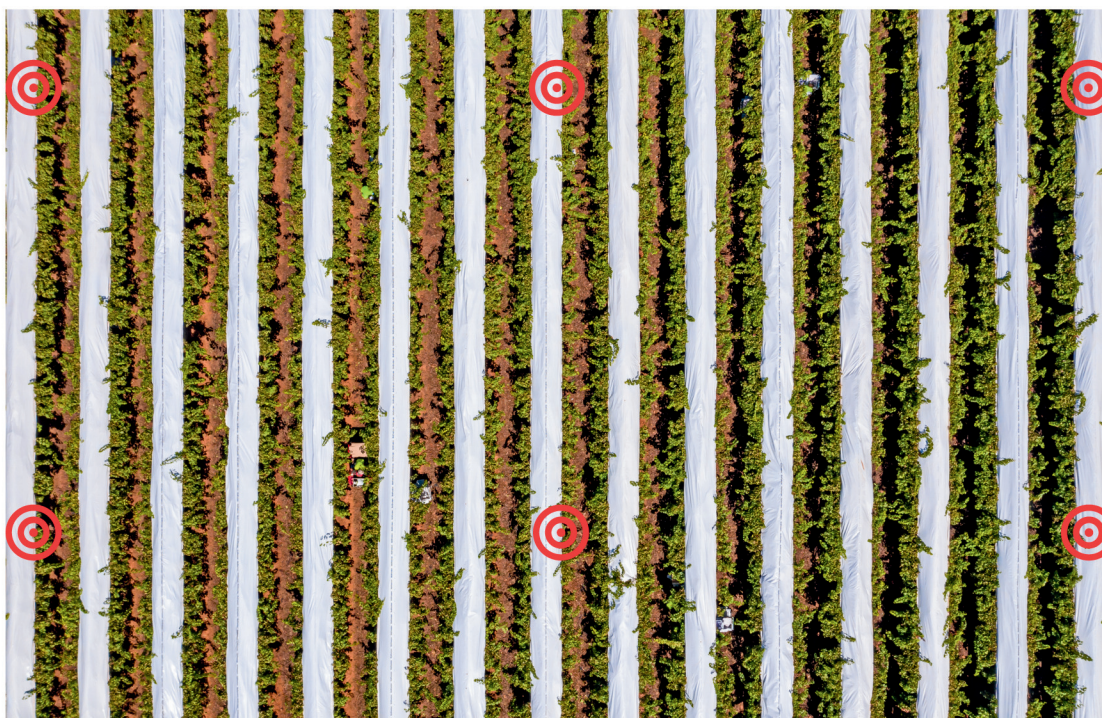
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How to install

Install 10-20 lures per hectare, in a grid.

For example, hang a MAT cup in every ninth vine in every seventh row, evenly across the patch.

It takes less than an hour to install 100 MAT cups across five hectares.



Trapping for surveillance vs luring for suppression

Lures can be used for both monitoring (surveillance) and suppression of fruit fly.

When MAT lures/cups are installed in a consistent grid pattern in high density, they reduce the male fruit fly population (suppression).

This is a cost-effective way of delaying build-up of the population and is recommended for area-wide management (in combination with protein bait sprays).

A lure placed inside a trap allows you to monitor the contents of the trap regularly.

The number of dead flies in a trap indicates whether fly numbers are increasing or decreasing. Ideally, place traps around boundaries to signal changes in the population and identify hotspots or entry points.

Scan for more information

or visit

australiangrapes.com.au/vine-health/

