



Australian Government
**Australian Pesticides and
Veterinary Medicines Authority**

**PERMIT TO ALLOW MINOR USE OF A REGISTERED AGVET CHEMICAL
PRODUCT FOR CONTROL OF FRUIT FLIES IN MANGO**

PERMIT NUMBER – PER83998

This permit is issued to the Permit Holder in response to an application granted by the APVMA under section 112 of the Agvet Codes of the jurisdictions set out below. This permit allows a person, as stipulated below, to use the product in the manner specified in this permit in the designated jurisdictions. This permit also allows the Permit Holder and any person stipulated below to claim that the product can be used in the manner specified in this permit.

THIS PERMIT IS IN FORCE FROM 15 AUGUST 2017 TO 31 JULY 2026

Permit Holder:

HORTICULTURE INNOVATION AUSTRALIA LTD
Level 7, 141 Walker Street
NORTH SYDNEY NSW 2060

Persons who can use the product under this permit:

Persons generally.

CONDITIONS OF USE

Products to be used:

FYFANON PREMIUM INSECTICIDE (APVMA No. 69529)

PLUS OTHER REGISTERED PRODUCTS

Containing: 320 g/L MALATHION as the only active constituent.

FYFANON 440 EW INSECTICIDE (APVMA No. 51150)

PLUS OTHER REGISTERED PRODUCTS

Containing: 440 g/L MALATHION as the only active constituent.

FYFANON 1000 EC INSECTICIDE (APVMA No. 62194)

PLUS OTHER REGISTERED PRODUCTS

Containing: 1000 g/L MALATHION as the only active constituent.

RESTRAINT:

DO NOT use open cabs for air blast or vertical sprayer applications.

SPRAY DRIFT RESTRAINTS:

Specific definitions for terms used in this section can be found at apvma.gov.au/spraydrift

DO NOT allow bystanders to come into contact with the spray cloud.

DO NOT apply in a manner that may cause an unacceptable impact to native vegetation, agricultural crops, landscaped gardens and aquaculture production, or cause contamination of plant or livestock commodities, outside the application site from spray drift. The buffer zones in the relevant buffer zone table below may not be sufficient in all situations. Wherever possible, correctly use application equipment designed to reduce spray drift and apply when the wind direction is away from these sensitive areas.

DO NOT apply unless the wind speed is between 3 and 20 kilometres per hour at the application site during the time of application.

DO NOT apply if there are hazardous surface temperature inversion conditions present at the application site during the time of application. These conditions exist most evenings 1 to 2 hours before sunset and persist until 1 to 2 hours after sunrise.

Buffer Zones for Vertical Sprayers

DO NOT apply by a vertical sprayer unless the following requirements are met:

- spray is not directed above the target canopy
- the outside of the sprayer is turned off when turning at the end of rows and when spraying the outer row on each side of the application site
- for dilute water rates up to the maximum listed for each type of canopy specified, minimum distances between the application site and downwind sensitive areas (see 'Mandatory buffer zones' section of the following table titled 'Buffer zones for vertical sprayers') are observed.

Buffer Zones for Vertical Sprayers

Type of target canopy and dilute water rate	Mandatory downwind buffer zones				
	Bystander areas	Natural aquatic areas	Pollinator areas	Vegetation areas	Livestock areas
2 metres tall and smaller, maximum dilute water rate of 1000 L/ha	0 metres	10 metres	10 metres	0 metres	0 metres
Taller than 2 metres (not fully foliated), maximum dilute water rate of 4000 L/ha	0 metres	40 metres	40 metres	0 metres	0 metres
Taller than 2 metres (fully foliated), maximum dilute water rate of 4000 L/ha	0 metres	30 metres	30 metres	0 metres	0 metres

Directions for Use:

Crop	Pest	Rate
Mangoes	Fruit Flies including: Queensland Fruit Fly (<i>Bactrocera tryoni</i>) Mediterranean Fruit Fly (<i>Ceratitis capitata</i>)	<u>320 g/L products:</u> 310 mL/100 L <u>440 g/L products:</u> 230 mL/100 L <u>1000 g/L products:</u> 100 mL/100 L

Critical Use Comments:

- Apply when fruit fly activity is first observed.
- Apply as a foliar cover spray using an adequate water volume to ensure thorough coverage of all fruit.
- Apply using air-blast sprayer, vertical sprayer, or equivalent.
- Apply a maximum of 4 foliar applications per season, with a minimum 3 day interval between consecutive treatments.

Re-entry:

DO NOT allow entry into treated areas until spray has dried.

DO NOT enter for 2 days for hand irrigation, hand pruning and scouting.

DO NOT enter for 17 days after application for thinning fruit and hand harvesting.

When prior entry is necessary, wear cotton overalls buttoned to the neck and wrist and a washable hat and chemical resistant gloves. Clothing must be laundered after each day's use.

Protection of foraging honey bees and hives:

- Highly toxic to bees. Will kill foraging bees directly exposed through contact during spraying and while spray droplets are still wet. May harm bee hives which are over-sprayed or reached with spray drift.
- DO NOT apply this product while bees are foraging in the crop to be treated.
- DO NOT allow spray drift to flowering weeds, hedges or crops in the vicinity of the treated area.
- Orchard floors with flowering weeds must be mown just prior to spray application.
- Beekeepers that are known to have hives in, or nearby the area to be sprayed should be notified no less than 48 hours prior to the time of planned application so that bees can be removed or otherwise protected prior to spraying.

Protection of wildlife, fish, crustaceans and environment:

- DO NOT apply under meteorological conditions or from spraying equipment which could be expected to cause spray to drift onto adjacent areas, particularly wetlands, waterbodies or watercourses. Dangerous to fish and aquatic invertebrates.
- DO NOT contaminate streams, rivers or waterways with the chemical or used containers.

Withholding Period:

Harvest: Do not harvest for 3 days after application.

Jurisdiction:

NSW, NT, QLD and WA only.

Additional Conditions:

This permit allows for the use of a product in a manner specified on the permit. Persons who wish to prepare for use and/or use products for the purposes specified in this permit must read, or have read to them, the details and conditions of this permit. Unless otherwise stated, the use of the product must be in accordance with the product label.

The holder of the permit must notify the APVMA of new information, including relevant information in accordance with section 161 of the Schedule to the *Agricultural and Veterinary Chemicals Code Act 1994*, in accordance with the obligation imposed by that section.

Integrated Fruit Fly Management

For the effective management of fruit fly this product is required to be used as part of a broader program involving other products approved for the control of fruit fly in conjunction with appropriate pest monitoring and orchard hygiene. Efficacy of such programs may be dependent upon the level of pest pressure during the season.

To Avoid Crop Damage

The sensitivity of the crop to be treated under this permit has not been fully evaluated. It is advisable to only treat a small area to ascertain the reaction before treating the whole crop.

Export of treated produce

Maximum Residue Limits (MRLs) have been established to allow treated produce to be used for human consumption. An MRL has been established for MALDISON in FRUITS {EXCEPT BERRIES AND OTHER SMALL FRUITS; CITRUS FRUITS; DRIED FRUITS; STONE FRUITS}. MRLs can be found in the *Agricultural and Veterinary Chemicals (MRL Standard for Residues of Chemical Products) Instrument 2023*. MRLs apply only to produce marketed and consumed in Australia. If treated produce is to be exported, residues must not exceed the limits/tolerances of the importing country.

Issued by the Australian Pesticides and Veterinary Medicines Authority

Note: 17/06/2020 – Permit updated to amend the products to be used and update permit holder. Permit expiry extended to 31/08/2022. Permit issued as Version 2.

24/05/2022 – Permit expiry extended to 30/06/2023. Additional conditions updated to current standard. Permit issued as Version 3.

04/10/2022 - Permit expiry extended to 31/10/2024. Restraint and re-entry statement added. Protection of wildlife, fish, crustaceans and environment statement added. Export of treated produce statement and Other Matters updated to current standard. Permit issued as Version 4.

18/07/2024 – Permit updated to apply recommendations following chemical review. Permit expiry extended to 31/07/2026. Permit issued as Version 5.