



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

**PERMIT TO ALLOW MINOR USE OF A REGISTERED AGVET CHEMICAL
PRODUCT FOR CONTROL OF RUTHERGLEN BUG IN STRAWBERRIES**

PERMIT NUMBER – PER13542

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 01 JULY 2012 TO 31 MAY 2030

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)

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

FYFANON 440 EW INSECTICIDE (APVMA No. 51150)

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

FYFANON 1000 EC INSECTICIDE (APVMA No. 62194)

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

RESTRAINT:

Dangerous to bees. DO NOT spray any plants in flower while bees are foraging.

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/s 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 boom sprayers

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

- spray droplets not smaller than a MEDIUM spray droplet size category
- minimum distances between the application site and downwind sensitive areas (see 'Mandatory buffer zones' section of the following table titled 'Buffer zones for boom sprayers') are observed.

Note: Application rates are recorded as g of active ingredient/ha (g ai/ha) as the permit covers multiple concentrations of malathion. **Attachment 1** converts g ai/ha to L/ha for each product listed on the permit.

Buffer zones for boom sprayers

Application rate	Boom height above the target canopy	Mandatory buffer zones				
		Bystander areas	Natural aquatic areas	Pollinator areas	Vegetation areas	Livestock areas
1200 g ai/ha	0.5 m or lower	0 metres	15 metres	15 metres	0 metres	0 metres
	1.0 m or lower	0 metres	50 metres	50 metres	0 metres	0 metres
840 g ai/ha	0.5 m or lower	0 metres	10 metres	10 metres	0 metres	0 metres
	1.0 m or lower	0 metres	40 metres	40 metres	0 metres	0 metres
620 g ai/ha	0.5 m or lower	0 metres	10 metres	5 metres	0 metres	0 metres
	1.0 m or lower	0 metres	30 metres	30 metres	0 metres	0 metres
550 g ai/ha	0.5 m or lower	0 metres	5 metres	5 metres	0 metres	0 metres
	1.0 m or lower	0 metres	30 metres	30 metres	0 metres	0 metres
150 g ai/ha	0.5 m or lower	0 metres	0 metres	0 metres	0 metres	0 metres
	1.0 m or lower	0 metres	10 metres	10 metres	0 metres	0 metres
70 g ai/ha	0.5 m or lower	0 metres	0 metres	0 metres	0 metres	0 metres
	1.0 m or lower	0 metres	0 metres	0 metres	0 metres	0 metres

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 buffer zones				
	Bystander areas	Natural aquatic areas	Pollinator areas	Vegetation areas	Livestock areas
320 g/L malathion product: 320 mL/100 L , 440 g/L malathion product: 230 mL/100 L , 1000 g/L malathion product: 100 mL/100 L					
All	0 metres	10 metres	10 metres	0 metres	0 metres
320 g/L malathion product: Up to 190 mL/100 L , 440 g/L malathion product: Up to 140 mL/100 L , 1000 g/L malathion product: Up to 60 mL/100 L					
All	0 metres	5 metres	5 metres	0 metres	0 metres

Directions for Use:

Crop	Pest	Rate
Strawberries	Rutherglen bug (<i>Nysius vinitor</i>)	<u>320 g/L malathion product</u> up to 3.9 L/ha
	Lygaeid bugs (<i>Lygaeidae</i>)	<u>440 g/L malathion product</u> up to 2.8 L/ha
		<u>1000 g/L malathion product</u> up to 1.2 L/ha

Critical Use Comments:

- Apply when pests appear in crop.
- DO NOT apply more than 3 applications per season.
- DO NOT apply less than 7 days after the previous treatment.
- Adequate coverage is essential in later growth stages of crop. Apply in a spray volume up to 2000 L per hectare.
- DO NOT apply more than: 320 mL/100 L (320 g/L malathion product), 230 mL/100 L (440 g/L malathion product), 100 mL/100 L (1000 g/L malathion product)

Precautions:

RE-ENTRY PERIOD:

DO NOT enter for 1 day after application for irrigation, scouting, thinning and weeding.

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.

Safety Directions:

Follow label instructions. If applying by backpack sprayer, wear cotton overalls, over normal clothing buttoned to the neck and wrist and elbow length chemical resistant gloves and a half facepiece respirator.

Withholding Period:

Harvest: Do not harvest for 3 days after application.

Jurisdiction:

All States and Territories, except VIC.

Note: Victoria is not included in this permit, as their Control-of-Use legislation means a permit is not required to legalise this off-label use in that State.

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.

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 MALATHION in STRAWBERRY. 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: 23/05/2017. Permit extended to 30/06/2022. Issued as version 2.

Note: 08/04/2022 – Permit updated to remove 500 g/L products and uses. Bee safety restraint added. Critical use comments and additional conditions updated to current standard. Scientific name for lygaeid bugs amended from *Pachybrachius* to *Lygaeidae*, and common name included. Chemical review statement added. Permit holder changed from Strawberries Australia Inc. to Horticulture Innovation Australia Ltd. Permit expiry extended to 30/04/2025. Permit issued as Version 3.

Note: 07/05/2025: Spray drift restraints, safety directions and precautions added. Maldison replaced with malathion as per chemical review decision throughout permit. Additional concentrations of malathion added to the permit. Permit expiry extended to 31/05/2030. Permit issued as Version 4.

Attachment 1: Conversion table for buffer zones

Application rate in g a.i./ha	Application rate of FYFANON PREMIUM INSECTICIDE (APVMA No. 69529)	Application rate of FYFANON 440 EW INSECTICIDE (APVMA No. 51150)	Application rate of FYFANON 1000 EC INSECTICIDE (APVMA No. 62194)
1200 g ai/ha	3.9 L/ha	2.8 L/ha	1.2 L/ha
840 g ai/ha	2.6 L/ha	1.9 L/ha	840 mL/ha
620 g ai/ha	1.9 L/ha	1.4 L/ha	620 mL/ha
550 g ai/ha	1.7 L/ha	1.25 L/ha	550 mL/ha
150 g ai/ha	470 mL/ha	340 mL/ha	150 mL/ha
70 g ai/ha	220 mL/ha	160 mL/ha	70 mL/ha