



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

**PERMIT TO ALLOW MINOR USE OF A REGISTERED AGVET CHEMICAL
PRODUCT FOR SUPPRESSION OF LEAFMINERS IN BRASSICA VEGETABLES**

PERMIT NUMBER – PER87563

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 6 JUNE 2019 TO 31 MARCH 2029

Permit Holder:

HORTICULTURE INNOVATION AUSTRALIA LIMITED
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:

WARLOCK INSECTICIDE (APVMA No. 69459)

PLUS OTHER REGISTERED PRODUCTS

Containing: 17 g/L EMAMECTIN present as EMAMECTIN BENZOATE as the only active constituent.

PROCLAIM OPTI INSECTICIDE (APVMA No. 83844)

PLUS OTHER REGISTERED PRODUCTS

Containing: 44 g/kg EMAMECTIN present as EMAMECTIN BENZOATE as the only active constituent.

RESTRAINT:

DO NOT apply to crops under visible stress.

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

DO NOT apply by aerial application.

Directions for Use:

Crop	Pest	Rate
Brassica Vegetables (including broccoli, brussels sprouts, cabbage, cauliflower)	Leafminers (<i>Liriomyza</i> species)	<u>17 g /L product</u> 650 to 780 mL/ha
	including Vegetable leafminer (<i>Liriomyza sativae</i>)	<u>44 g/kg product</u> 250 to 300 g/ha
	SUPPRESSION ONLY	

Critical Use Comments:

- Apply spray immediately following the detection of suspected invasive or exotic leafminer.
- Apply at lower rate for low to moderate infestations, and the higher rate for heavy infestations.
- Apply in minimum water volume of 400 L/ha. Emamectin benzoate insecticides are not systemic and therefore achieving thorough and uniform coverage of the crop is essential.
- Add non-ionic surfactant at recommended label rate.
- DO NOT apply more than 4 foliar applications per crop. Where more than one crop is grown per year, DO NOT apply more than 4 sprays per year.
- DO NOT apply less than 7 days after the previous application.
- DO NOT apply more than 2 sequential applications of an emamectin benzoate product before rotating with a chemical from a different Mode of Action (MoA) group.
- Dangerous to bees. DO NOT spray any plants in flower while bees are foraging. Refer to the 'Protection of Livestock – Bees' statement for beekeeper notification requirements.
- Emamectin should be used according to CropLife insecticide resistance management strategies.
- Export commodities: refer to trade advice on product label.

Spray drift restraints:

Specific definitions for terms used in this section of the permit 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. 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. Surface temperature inversion conditions exist most evenings 1 to 2 hours before sunset and persist until 1 to 2 hours after sunrise.

Withholding Period:

Harvest: Do not harvest for 3 days after application.

Grazing: Do not use treated crop, crop waste or produce for stock feed.

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.

Issued by the Australian Pesticides and Veterinary Medicines Authority

Note: 19/03/2024 – Permit updated to add spray drift restraints and s161 statement. Permit expiry extended to 31/03/2029. Permit issued as Version 2.