



**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 any person 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 30 JUNE 2024

Permit Holder:

HORTICULTURE INNOVATION AUSTRALIA LIMITED
Level 8, 1 Chifley Square
SYDNEY NSW 2000

Persons who can use the product under this permit:

Persons generally.

CONDITIONS OF USE

Product 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.

Directions for Use:

Crop Type	Insect Pest	Application 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
SUPPRESSION ONLY	Including Vegetable Leafminer (<i>Liriomyza sativae</i>)	<u>44 g/kg product</u> 250 to 300 g/ha

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 four (4) foliar applications per crop. Where more than one crop is grown per year, DO NOT apply more than 4 sprays per year.
- Minimum re-treatment interval of 7 days between consecutive applications.
- Only 2 sequential applications of an emamectin benzoate product should be applied before rotating with a chemical from a different Mode of Action (MoA) group.
- DO NOT apply by aircraft. DO NOT apply if wind speed is less than 3km or more than 20km per hour, or under conditions where temperature inversion may occur.
- 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.

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.



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

Additional Conditions:

This permit provides for the use of a product in a manner other than specified on the approved label of the product. Unless otherwise stated in this permit, the use of the product must be in accordance with instructions on its label.

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.

Issued by the Australian Pesticides and Veterinary Medicines Authority