



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

**PERMIT TO ALLOW MINOR USE OF A REGISTERED AGVET CHEMICAL
PRODUCT FOR CONTROL OF VARIOUS INSECT PESTS IN BEETROOT AND RADISH**

PERMIT NUMBER – PER11949

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 1 APRIL 2010 TO 30 NOVEMBER 2029

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:

KARATE ZEON INSECTICIDE (APVMA No. 51422)

PLUS OTHER REGISTERED PRODUCTS

Containing: 250 g/L LAMBDA-CYHALOTHRIN as the only active constituent.

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. 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 conditions exist most evenings one to two hours before sunset and persist until one to two hours after sunrise.

Directions for Use:

Crop	Pest	Rate
Radish (<i>Raphanus sativus</i>)	Diamondback moth (<i>Plutella xylostella</i>) Vegetable Loopers (<i>Chrysodeixis</i> species)	36 mL product / ha
Beetroot (<i>Beta vulgaris</i> subsp. <i>vulgaris</i>)	Onion thrips (<i>Thrips tabaci</i>) Plague thrips (<i>Thrips imaginis</i>) Rutherglen bug (<i>Nysius</i> species) Vegetable Loopers (<i>Chrysodeixis</i> species) Vegetable weevil (<i>Listroderes difficilis</i>)	24 or 36 mL product /ha Apply in a minimum spray volume of 500 L water

Critical Use Comments:

Radish

- Apply when monitoring of crop indicates the pests is present in sufficient numbers to cause economic damage.
- Use sparingly to avoid build-up of resistance in diamondback moth populations.
- Monitor crops before and after application to ensure spray has been effective.

Beetroot

- Use higher rate if planting density of crop is high, or pest numbers are high.
- Apply when pest numbers reach threshold levels as determined by scouting or sampling.

- Particular attention should be taken to target application against vegetable weevil when the pest is actively feeding above the soil surface.
- DO NOT apply more than two (2) spray applications consecutively and not less than 7 days between treatments.
- Alternate spray applications with other insecticide products from different chemical (MoA) groups before using *Karate Insecticide* again. It is recommended that at least two (2) applications of alternative chemistry be applied before a repeat treatment of *Karate Insecticide* is applied.

Withholding Period:

Harvest: Do not harvest for 2 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.

Issued by the Australian Pesticides and Veterinary Medicines Authority

Note: 19/01/2015 – Permit extended to expire 31 March 2020. Issued as Version 2.

09/02/2018 – Permit holder details updated. Issued as Version 3.

25/03/2020 – Permit expiry extended to 31 March 2025. Permit holder address updated. Issued as Version 4.

06/11/2024 – Permit updated to apply spray drift restraints. Permit expiry extended to 30/11/2029. Permit issued as Version 5.