



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

**PERMIT TO ALLOW MINOR USE OF A REGISTERED AGVET CHEMICAL  
PRODUCT FOR CONTROL OF SELECTED INSECT PESTS IN SHALLOTS AND  
SPRING ONIONS**

**PERMIT NUMBER – PER14471**

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 30 MAY 2014 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:

KARATE ZEON INSECTICIDE (APVMA No. 51422)

PLUS OTHER REGISTERED PRODUCTS

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

### RESTRAINT:

DO NOT apply if rain is expected within six (6) hours of application.

DO NOT apply in protected cropping situations.

### SPRAY DRIFT RESTRAINTS

- 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 one to two hours before sunset and persist until one to two hours after sunrise.

### Directions for Use:

Crop	Pest	Rate
SHALLOTS ( <i>Allium cepa</i> var. <i>aggregatum</i> )	Redlegged Earth Mite ( <i>Halotydeus destructor</i> )	9 mL product/ha
SPRING ONIONS ( <i>Allium fistulosum</i> )	Loopers ( <i>Chrysodeixis</i> species)	12 mL product/ha
	Rutherglen bug ( <i>Nysius vinitor</i> ) Onion Maggot ( <i>Delia platura</i> ) Onion Thrips*† ( <i>Thrips tabaci</i> ) Plague Thrips* ( <i>Thrips imaginis</i> )	36 mL product/ha

\* Note: DO NOT apply if western flower thrips (*Frankliniella occidentalis*) is present. This chemical is not compatible with Integrated Pest Management (IPM) programs for this thrip pest.

† Note: not likely to control Onion Thrips in SA and TAS due to widespread resistance.

### Critical Use Comments:

- Monitor crops regularly and apply when populations reach local threshold levels.
- Apply using boomspray or other equivalent ground-based equipment.
- DO NOT apply more than two (2) applications per crop.
- A minimum seven (7) day interval applies between applications.  
RLEM, Rutherglen bug, Loopers: Monitor crop regularly for re-infestation and re-spray if necessary  
Thrips: 7 to 10 day intervals between applications  
Onion Maggot: 10 to 14 day intervals between applications.

- Apply in sufficient water to ensure complete and thorough coverage of foliage and/or crop.
- DO NOT contaminate streams, rivers or waterways with product or used containers.
- TOXIC to bees. DO NOT spray while bees are actively foraging. Risk is reduced by spraying in the early morning or late evening.

### **Withholding Period:**

Harvest: Do not harvest within 14 days of final treatment application.

Grazing: Do not feed lambda-cyhalothrin treated produce to livestock.

### **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*

Temporary Maximum Residue Limits (TMRLs) have been established to allow treated produce to be used for human consumption. A TMRL has been established for cyhalothrin in shallots, spring onions and Welsh onions. 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: 1/05/2018 – Permit amended to update holder details. Permit version 2 issued.

15/01/2019 – Permit expiry date extended to 31 March 2024. Permit issued as version 3.

11/03/2024 – Permit restraints (including spray drift restraints) and critical comments updated, a 7-day retreatment interval and exclusion of protected cropping added, and additional conditions statements updated. Permit expiry extended to 31/03/2029. Permit issued as version 4.