



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

**PERMIT TO ALLOW MINOR USE OF A REGISTERED AGVET CHEMICAL  
PRODUCT FOR CONTROL OF LEAFMINERS IN NURSERY STOCK**

**PERMIT NUMBER – PER88977**

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 11 NOVEMBER 2020 TO 30 NOVEMBER 2022**

**Permit Holder:**

NURSERY AND GARDEN INDUSTRY AUSTRALIA  
C/O AGAWARE CONSULTING PTY LTD  
21 Rosella Avenue  
STRATHFIELDSAYE VIC 3551

**Persons who can use the product under this permit:**

Persons generally.

## CONDITIONS OF USE

### **Products to be used:**

VERTIMEC MITICIDE/INSECTICIDE (APVMA No. 50772)  
PLUS OTHER REGISTERED PRODUCTS  
Containing: 18 g/L ABAMECTIN as the only active constituent.

AZAMAX INSECTICIDE (APVMA No. 61980)  
PLUS OTHER REGISTERED PRODUCTS  
Containing: 11.82 g/L AZADIRACHTIN as the only active constituent.

DIPTEX 150 WP INSECT GROWTH REGULATOR (APVMA No. 67871)  
PLUS OTHER REGISTERED PRODUCTS  
Containing: 150 g/kg CYROMAZINE 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.

DURIVO INSECTICIDE (APVMA No. 63936)  
PLUS OTHER REGISTERED PRODUCTS  
Containing: 100 g/L CHLORANTRANILIPROLE and 200 g/L THIAMETHOXAM as the only active constituents.

BENEVIA INSECTICIDE (APVMA No. 66684)  
PLUS OTHER REGISTERED PRODUCTS  
Containing: 100 g/L g/L CYANTRANILIPROLE as the only active constituent.

AVATAR INSECTICIDE (APVMA No. 52546)  
PLUS OTHER REGISTERED PRODUCTS  
Containing: 300 g/kg INDOXACARB as the only active constituent.

SUCCESS NEO INSECTICIDE (APVMA No. 64109)  
PLUS OTHER REGISTERED PRODUCTS  
Containing: 120 g/L SPINETORAM as the only active constituent.

### **RESTRAINT:**

Follow restraints on product labels except where restraints contradict this permit.  
DO NOT apply any treatments if bees are foraging the crops. Refer to product labels for further information regarding the protection of bees.

**Directions for Use:**

Crop	Pest	Rate
Nursery stock (non-food) – Seedlings, tubes and plugs, potted colour, trees and shrubs, foliage plants, palms, grasses, fruiting plants (non-bearing), cut flowers and ornamentals.	Leafminers ( <i>Liriomyza spp.</i> ) including Vegetable leafminer ( <i>Liriomyza sativae</i> )	<u>Abamectin:</u> 60 – 120 mL/100L or 0.6 – 1.2 L/ha  <u>Azadirachtin:</u> 200 – 300 mL/100L or 2000 – 3000 mL/ha  <u>Cyromazine:</u> 95 g/100L or 950 g/ha  <u>Emamectin:</u> 25 – 30 g/100L or 250 – 300 g/ha  (Suppression Only)  <u>Chlorantraniliprole + thiamethoxam:</u> 15 – 50 mL/1000 seedlings  <u>Cyantraniliprole:</u> 50 – 75 mL/100L or 500 – 750 mL/ha  <u>Indoxacarb:</u> 17 g/100L or 170 g/ha  <u>Spinetoram:</u> 40 mL/100L or 400 mL/ha

**Critical Use Comments:**

- Monitor crops and apply when pests are first detected.
- Apply foliar treatments by ground based sprayer (hydraulic sprayer equipment, backpack sprayer or equivalent) for abamectin, azadirachtin, cyromazine, emamectin, cyantraniliprole, indoxacarb and spinetoram. Apply by drenching equipment for chlorantraniliprole + thiamethoxam.
- Use a spray volume adequate to ensure thorough coverage of all plant surfaces (300 – 1000 L/ha), near to the point of run off.
- For foliar treatments, apply at the lower rate for low to moderate infestations, and the higher rate for high pressure or heavier infestations.
- DO NOT apply more than 1 applications per season for chlorantraniliprole + thiamethoxam. DO NOT apply more than 2 applications per season for all other products.
- Follow up treatments may be necessary to control new infestations 7-14 days after the first application.
- DO NOT apply less than 7 days after the initial treatment.
- Follow recommendations on individual product labels for pray adjuvants. For spinetoram use an emulsified crop oil or methylated crop oil plus organosilicone combination products at the adjuvant label rates.
- Follow the insecticide resistance warning and restraints on each product label.

**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.

***To Avoid Crop Damage:***

Nursery stock is not known to be sensitive to the chemical insecticide products listed in this permit when used in strict accordance with the rate, conditions of use and other warnings. However, the large number of disparate crop lines produced in commercial nurseries means that not all these products have been fully evaluated for crop safety on all species, or in all situations where treatment may be undertaken. Some of these insecticides may demonstrate toxicity under certain situations, application methods, application rates and weather conditions to susceptible nursery stock. Some insecticides may also leave undesirable spray residue on foliage and flowers.

Users **must** treat a sample number of plants or a small area prior to whole crop treatment and monitor any phytotoxic effects that will compromise production goals. This action cannot guarantee crop safety as application, environmental and crop conditions may vary from test treatment to whole of crop treatment. Any instances of phytotoxic damage should be reported immediately to the permit holder.

Issued by the Australian Pesticides and Veterinary Medicines Authority