



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

**PERMIT TO ALLOW MINOR USE OF A REGISTERED AGVET CHEMICAL  
PRODUCT FOR CONTROL OF ACARINA IN (NON-FOOD)  
NURSERY STOCK, INCLUDING SEEDLINGS, TUBES, PLUGS, POTTED COLOUR,  
TREES, SHRUBS, FOLIAGE PLANTS, PALMS, GRASSES, FRUIT PLANTS, CUT  
FLOWERS\* AND ORNAMENTALS**

**PERMIT NUMBER – PER91810**

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 24 MARCH 2022 TO 31 MARCH 2027**

**Permit Holder:**

GREENLIFE INDUSTRY AUSTRALIA LIMITED  
c/- 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:

VOLIAM TARGO INSECTICIDE (APVMA No. 81921)

PLUS OTHER REGISTERED PRODUCTS

Containing: 18 g/L ABAMECTIN and 45 g/L CHLORANTRANILIPROLE as the only active constituents.

ACRAMITE MITICIDE (APVMA No. 55264)

PLUS OTHER REGISTERED PRODUCTS

Containing: 480 g/L BIFENAZATE as the only active constituent.

PROCLAIM INSECTICIDE (APVMA No. 50919)

PLUS OTHER REGISTERED PRODUCTS

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

PARAMITE SELECTIVE MITICIDE (APVMA No. 56791)

PLUS OTHER REGISTERED PRODUCTS

Containing: 110 g/L ETOXAZOLE as the only active constituent.

PESTOIL INSECT CONTROL SPRAY (APVMA No. 49266)

PLUS OTHER REGISTERED PRODUCTS

Containing: 839 g/L PETROLEUM OIL as the only active constituent.

SACOA SUMMER INSECTICIDAL SPRAY OIL (APVMA No. 54001)

PLUS OTHER REGISTERED PRODUCTS

Containing: 844 g/L PETROLEUM OIL as the only active constituent.

### Directions for Use:

Refer to the *Application Rates*, *Critical Use Comments* and *Additional Conditions* listed in **Table 1** below.

### Withholding Period:

DO NOT use on plants grown for human or animal consumption.

### Jurisdiction:

All States and Territories

### 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 production 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.

If unsure of crop tolerance, 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.

#### *Resistance Management*

Use insecticide products in accordance with existing *Insecticide Resistance Management Strategies* and in accordance with best practice. Insecticide products should be used as part of an integrated pest management program, which incorporates as many control options as possible to minimise pest pressure. It is important that approved insecticide products are rotated between different chemical mode of action (MoA) groups at regular intervals within a structured disease management plan.

*Insecticide Resistance Management Strategies* have been developed by CropLife Australia. An updated version of these strategies is available from CropLife Australia's website at: <http://www.croplife.org.au/industry-stewardship/resistance-management> or search on-line for Resistance Management CropLife Australia.

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\* Includes wildflower crops. Refer to Wildflower crops list in Appendix 1.

## DIRECTIONS FOR USE:

**Table 1: Acarina control in nursery stock (non-food) and ornamentals**

Including (non-food) – seedlings, tubes, potted colour, trees, shrubs, foliage plants, palms, grasses, fruit plants (non-bearing), cut flowers\* and ornamentals.

Pest	Product (MoA)	Rate	Critical Use Comments	Additional Conditions
Mites (Acarina)	18 g/L <b>abamectin</b> (6) + 45 g/L <b>chlorantraniliprole</b> (28)	55-75 mL/100 L	<ul style="list-style-type: none"> <li>•Monitor crops and commence application when pest thresholds are reached.</li> <li>•Apply spray mixture to near the point of run-off to ensure thorough coverage of all plant surfaces.</li> <li>•Apply by foliar application by ground based sprayers.</li> <li>•DO NOT apply more than two applications per crop.</li> <li>•DO NOT re-apply less than 10 days after the initial treatment.</li> <li>•DO NOT apply to crops if 3 applications of a Group 28 insecticide have been applied in the current season. DO NOT apply to crops if a Group 6 insecticide has been applied in the current season.</li> <li>•DO NOT use on vegetable or herb seedlings.</li> </ul>	<p>DO NOT apply if heavy rains or storms are forecast within 3 days.</p> <p>DO NOT irrigate to the point of runoff for at least 3 days after application.</p> <p><i>See Further Conditions for use of abamectin + chlorantraniliprole products below.</i></p>

### Further Conditions for use of abamectin + chlorantraniliprole products

#### Safety Directions:

Harmful if swallowed. Do not inhale spray mist. When opening the container, preparing spray and using the product wear: cotton overalls buttoned to the neck and wrist (or equivalent clothing), elbow-length chemical resistant gloves, half face piece respirator with organic vapour/gas cartridge or canister. Wash hands after use. After each day's

use wash gloves, respirator (if rubber, wash with detergent and warm water) and contaminated clothing.

In addition, if applying by spraying equipment carried on the back of the user wear cotton overalls, over normal clothing, buttoned to the neck and wrist.

**First Aid Instructions:**

If poisoning occurs contact a doctor or Poisons Information Centre. Phone 131 126. If skin contact occurs, remove contaminated clothing and wash skin thoroughly.

**Re-entry Directions:**

Under field conditions the spray should be allowed to dry on the foliage before re-entry into treated areas. DO NOT allow re-entry into treated areas in glasshouse for 24 hours after treatment. When prior entry is necessary, wear cotton overalls buttons to the neck and wrist and elbow-length gloves. Clothing must be laundered after each day's use.

**Spray Drift Restraints**

Specific definitions for terms used in this section of the label can be found at [apvma.gov.au/spraydrift](http://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. The buffer zones in the relevant buffer zone table/s below provide guidance but may not be sufficient in all situations. 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 three 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.

**Mandatory No-Spray Zones**

**DO NOT** apply if there are aquatic and wetland areas including aquacultural ponds, surface streams and rivers within 50 metres downwind from the application area.

**Protection of Wildlife, Fish, Crustaceans and Environment**

Very toxic to aquatic life. DO NOT contaminate wetlands or watercourses with this product or used containers.

**Protection of Honey Bees and Other Insect Pollinators**

Highly toxic to bees. DO NOT apply to crops from the onset of flowering until flowering is complete unless the application is made in the time period between 2 hours prior to sunset and 8 hours prior to sunrise. DO NOT allow spray drift to flowering weeds or flowering crops in the vicinity of the treatment area. Before spraying, notify beekeepers to move hives to a safe location with an untreated source of nectar and pollen, if there is potential for managed hives to be affected by the spray or spray drift.

**Table 1 (continued): Acarina control in nursery stock (non-food) and ornamentals**

Including (non-food) – seedlings, tubes, potted colour, trees, shrubs, foliage plants, palms, grasses, fruit plants (non-bearing), cut flowers\* and ornamentals.

Pest	Product (MoA)	Rate	Critical Use Comments	Additional Conditions
Twospotted mite ( <i>Tetranychus urticae</i> )	480 g/L <b>bifenazate</b> (20)	65 mL/100 L	<ul style="list-style-type: none"> <li>•Apply at first sign of two-spotted mite infestation before damage occurs.</li> <li>•Apply using handheld sprayer, airblast or boom sprayer, to the point of runoff ensuring complete coverage. Spray in sufficient volume to provide adequate penetration and coverage.</li> <li>•Do not apply more than 2 applications per year.</li> <li>•Do not re-apply within 21 days of the previous application.</li> <li>•Monitor regularly for reinfestation and respray if necessary using an alternate product from a different chemical (mode of action) group.</li> <li>•DO NOT apply sequential applications of products from any one chemical group.</li> <li>•A different acaricide with an alternative Mode of Action should be used between bifenazate applications.</li> <li>•Products with the same Mode of Action should not be used more than twice in a growing season.</li> </ul>	DO NOT apply using spraying equipment carried on the back of the user DO NOT use if rainfall is expected before spray has dried as reduced efficacy may result.

Pest	Product (MoA)	Rate	Critical Use Comments	Additional Conditions
Mites (Acarina)	44 g/kg emamectin (6)	250–300 g/ha OR 25–30 g/100 L SUPPRESSION ONLY	<ul style="list-style-type: none"> <li>•For optimum performance, apply cover spray immediately following egg hatch and/or presence of early nymphal stages.</li> <li>•Thorough coverage of foliage is essential for optimum performance.</li> <li>•Use the lower rate on low to moderate infestations. Use higher rate under heavier infestation pressure, or during periods of hot weather.</li> <li>•DO NOT apply more than 2 applications per crop, with a minimum re-treatment interval of 7 days between applications.</li> <li>•DO NOT apply more than 4 spray applications of emamectin within an annual nursery production cycle.</li> <li>•Suppression only is likely to be achieved. An alternative approved (registered/permit) miticide treatment may be a better option.</li> <li>•Dangerous to bees. DO NOT spray any plants in flower while bees are foraging.</li> </ul>	DO NOT apply spray if rainfall is imminent, or spray conditions are unfavourable.

Pest	Product (MoA)	Rate	Critical Use Comments	Additional Conditions
Bean spider mite <i>(Tetranychus luedeni)</i> European red mite <i>(Panonychus ulmi)</i> Oriental spider mite <i>(Eutetranychus orientalis)</i> Strawberry (banana) spider mite <i>(Tetranychus piercei)</i> Twospotted (red spider) mite <i>(Tetranychus urticae)</i>	100 g/L <b>etoxazole</b> (10B)	35 mL/100 L OR 350 mL/ha	<ul style="list-style-type: none"> <li>•Apply at first sign of mite infestation before damage occurs.</li> <li>•DO NOT apply more than 1 cover spray per year to avoid resistance development.</li> <li>•DO NOT apply excessive spray volume to plants.</li> <li>•Water rates may need to increase as crop size increases. Mature crops may require 1,000-2,000 L/ha and the rate per 100 L should be used. Apply to the point of run-off only.</li> <li>•Concentrate spray is not recommended.</li> <li>•DO NOT apply if rainfall is expected before spray is dry.</li> </ul>	



Pest	Product (MoA)	Rate	Critical Use Comments	Additional Conditions
Mites (Acarina)	839 g/L <b>petroleum oil</b>  844 g/L <b>petroleum oil</b>	1-2 L/100 L SUPPRESSION ONLY	<ul style="list-style-type: none"> <li>•Apply a maximum of 6 sprays with a 7-14 day re- treatment interval.</li> <li>•Apply as foliar spray using airblast sprayer or boom sprayer.</li> <li>•Apply in sufficient water to ensure complete and thorough coverage of foliage and/or crop.</li> </ul>	<p>Petroleum oil products have demonstrated phytotoxicity and undesirable commercial effects in nursery plant species.</p> <p>DO NOT tank mix with any other chemicals or fertilisers unless fully evaluated</p> <p>DO NOT apply if temperature exceeds or is likely to exceed 32°C within 24 hours of treatment.</p> <p>DO NOT apply within one month prior to, or following a sulfur spray or other incompatible pesticide as listed on approved label.</p> <p>DO NOT apply to crops in weak, damaged or stressed conditions.</p>

## Appendix 1

### Wildflower crops

Banksia species (*Banksia* spp.) - cultivars and hybrids

Berzelia or button brush (*Berzelia* spp.)

Black kangaroo paw species (*Macropidia* spp.) - cultivars and hybrids

Christmas bells (*Blandfordia grandiflora*)

Christmas bush (*Ceratopetalum gummiferum*)

Geraldton wax, Waxflower species (*Chamelaucium* spp.) - cultivars and hybrids

Kangaroo paw species (*Anigozanthos* spp.) - cultivars and hybrids

Leucadendron species - cultivars and hybrids

Leucospermum species (*Leucospermum* spp.) - cultivars and hybrids (pincushions)

Protea species (*Protea* spp.) - cultivars and hybrids

Riceflower (*Ozothamnus diosmifolius*)

Waratah species (*Telopea speciosissima*) - cultivars and hybrids