



**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 NURSERY STOCK (NON-  
FOOD), CUT FLOWERS AND FOLIAGE**

**PERMIT NUMBER – PER90410**

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 12 NOVEMBER 2021 TO 30 NOVEMBER 2024**

**Permit Holder:**

GREENLIFE INDUSTRY AUSTRALIA LIMITED  
c/o AgAware Consulting Pty Ltd  
21 Rosella Avenue  
STRATHFIELDSAYE VICTORIA 3551

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

Persons generally.

## CONDITIONS OF USE

### Products to be used:

STARKLE 200 SG INSECTICIDE (APVMA No. 69398)

Containing: 200 g/kg DINOTEFURAN as the only active constituent.

### RESTRAINT:

DO NOT apply where the slope exceeds 4%.

### Directions for Use:

Crop	Pest	Rate
Nursery stock (non-food) - seedlings & plugs, potted colour, trees & shrubs, foliage plants, palms, grasses and fruit plants (non-bearing)  Cut flowers and foliage	Aphids ( <i>Aphis</i> spp.)	250-375 g/ha
	Borers (Coleoptera)	OR
	Leaf beetles (Chrysomelidae)	25-37.5 g/100L
	Leafhoppers (Cicadellidae)	
	Mealybugs ( <i>Pseudococcus</i> spp.)	
	Mirids (Miridae)	
	Scales (Diaspididae)	
	Whitefly ( <i>Bemisia</i> spp.)	
	Thrips (Thrips) (Suppression)	
Weevils (Curculionidae)		

### Critical Use Comments:

- Apply at the first signs of infestation or when pest thresholds are reached.
- Apply as a foliar spray using air-blast sprayer, air-shear sprayer, back-pack mister, hand lance sprayer, spray boom or equivalent.
- Follow all label recommendations, precautions and restrictions.
- Use sufficient water to ensure coverage of app plant surfaces.
- DO NOT apply more than 2 applications per crop.
- DO NOT apply less than 14 days after the initial treatment.
- Use in accordance with the current Insecticide Resistance Management Strategies.

### Re-entry statement

DO NOT enter treated areas until the spray has dried, unless wearing cotton overalls buttoned to the neck and wrist (or equivalent clothing) and chemical resistant gloves.

### Protection of pollinators.

Dinotefuran is highly toxic to bees and will kill bees foraging in a treated crop or in hives which are accidentally sprayed or contaminated by spray drift. Spray residues remain toxic to bees for 2-3 days after application. To protect long term viability of beehives, remove or cover beehives during application and for 5 days after treatment. Before spraying notify beekeepers who are known to have hives in or nearby the area to be sprayed, to move hives to a safe location if there is potential for managed hives to be affected by the spray or spray drift.

## 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 advisory 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 3 and 20 kilometres per hour at the application site during the time of application.

DO NOT apply if there are surface temperature inversion conditions present at the application site during the time of application. These conditions exist most evenings one to two hours before sunset and persist until one to two hours after sunrise.

DO NOT apply by a boom sprayer unless the following requirements are met:

- spray droplets not smaller than a MEDIUM spray droplet size category
- minimum distances between the application site and downwind sensitive areas (see 'Mandatory buffer zones' section of the following table titled 'Buffer zones for boom sprayers') are observed.

### Buffer zones for boom sprayers

Application rate	Boom height above the target canopy	Natural aquatic areas	Pollinator areas	Vegetation areas
Up to maximum permit rate	0.5 m or lower	Not required	10 metres	Not required
	1.0 m or lower	10 metres	40 metres	Not required

DO NOT apply by a vertical sprayer unless the following requirements are met:

- spray is not directed above the target canopy
- the outside of the sprayer is turned off when turning at the end of rows and when spraying the outer row on each side of the application site
- for dilute water rates up to the maximum listed for each type of canopy specified, minimum distances between the application site and downwind sensitive areas (see 'Mandatory buffer zones' section of the following table titled 'Buffer zones for vertical sprayers') are observed.

### Buffer zones for vertical sprayers

Type of target canopy	Natural aquatic areas	Pollinator areas	Vegetation areas
2 metres tall and smaller, maximum dilute water rate of 1000 L/ha	Not required	5 metres	Not required
Taller than 2 metres (not fully-foliated), maximum dilute water rate of 1000 L/ha	10 metres	20 metres	Not required
Taller than 2 metres (fully-foliated), maximum dilute water rate of 1000 L/ha	Not required	10 metres	Not required

DO NOT apply by aircraft.

**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*

The use of dinotefuran has not been fully evaluated for crop safety in all nursery crops. It is advisable to only treat a small area of crop before treating larger areas.

Issued by the Australian Pesticides and Veterinary Medicines Authority