



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

**PERMIT TO ALLOW MINOR USE OF A REGISTERED AGVET CHEMICAL
PRODUCT FOR CONTROL OF RED IMPORTED FIRE ANT IN POTTING MEDIA**

PERMIT NUMBER – PER13916

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 2013 TO 31 DECEMBER 2026

Permit Holder:

NSW DEPARTMENT OF PRIMARY INDUSTRIES
105 PRINCE STREET
ORANGE NSW 2800

Persons who can use the product under this permit:

Persons generally.

CONDITIONS OF USE

Products to be used:

MAXGUARD 2G GRANULAR INSECTICIDE (APVMA No. 54257)

PLUS OTHER REGISTERED PRODUCTS

Containing: 2 g/kg BIFENTHRIN as the only active constituent.

RESTRAINT:

DO NOT apply more than 10 kg product (20 g of bifenthrin) per cubic metre of potting media.

DO NOT handle potting mix during planting/transplanting or emptying plant pots, without wearing gloves.

Directions for Use:

Crop	Pest	Rate
Potting media for use in nursery stock (non-food and non-bearing fruit trees)	Red imported fire ant (<i>Solenopsis invicta</i>)	Apply 10 – 25 ppm bifenthrin dependent upon protection period – Critical Use Comments.

Critical Use Comments:

Protection period (months)	Dose rate (ppm)
0-6	10
0-12	12
0-24	15
>24	25

- Apply only once when potting up or potting on.
- Dosage of product depends on bulk density of the potting medium. Usage rate per cubic metre is calculated by: (bulk density of potting medium x ppm)/concentration of bifenthrin in pesticide granules. See Appendix 1.
- Use mixing equipment (mechanical mixers or machinery mixers) that will thoroughly blend the required dosage of pesticide throughout the potting media. After potting, containers must be watered to saturation.

Safety directions:

May irritate eyes and skin. Avoid contact with eyes and skin. Avoid inhaling dust. When opening the container and preparing the potting mix or handling treated potting mix, wear protective clothing and disposable gloves. Wash hands after use. After each day's use wash contaminated clothing.

First aid instructions:

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone 13 11 26.

Jurisdiction:

NSW only.

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: 11/03/2020 –Permit expiry extended to 31/03/2025. Permit issued as Version 2.

24/12/2024 – Permit updated to include amended product list, restraints, safety directions, first aid instructions and mixing/calibration instructions. Permit expiry extended to 31/12/2026. Permit issued as Version 3.

Appendix 1

BULK DENSITY EXAMPLE CALCULATION

Bulk density of a media is calculated using the following formula: $D = M/V$ where:

D: Bulk density (g/L)

M: Weight of the media*, less the container (g)

V: Container volume (L)

*Dry, uncompacted media.

To calculate the bulk density (g/L) of a commercially available potting mix:

Measure and weigh 1 L volume of media

DOSAGE EXAMPLE CALCULATION

The amount of bifenthrin product used per m^3 (the dosage) is calculated using the following formula:

$$\frac{\text{bulk density of potting medium} \times \text{ppm}}{\text{concentration of bifenthrin in pesticide granules}}$$

If:

Bulk density = 220 g/L

ppm = 10 (for up to 6 months protection)

Concentration of bifenthrin in pesticide granules = 2 g/kg (as the permitted product)

$$\begin{aligned}\text{DOSAGE} &= \frac{220 \times 10}{2} \\ &= 1,100 \text{ g}/m^3 \\ &= 1.100 \text{ kg}/m^3 \text{ (example calculation only)}\end{aligned}$$