



**200 INSECTICIDE**

## Product Guide

### LIQUID FIPRONIL INSECTICIDE FOR PROBLEM PESTS IN TURF CONTROL



#### PRODUCT DETAILS

**Active Constituents:**

**200 g/L Fipronil**

Formulation type:

Suspension Concentrate

Insecticide Mode of Action:

For the control of ants, aole cricket and argentine stem weevil in commercial turf

Target Pests:

Ants, Mole Cricket and Argentine Stem Weevil

APVMA Registration Number:

66873/106355

#### DIRECTIONS FOR USE - TURF

PEST	SITUATION	RATE	CRITICAL COMMENTS
<b>Ant pests of turf, including but not limited to:</b> Funnel ants ( <i>Aphaenogaster</i> spp.), Greenhead ants ( <i>Rhytidoponera</i> spp.)	Turf (eg. lawns, commercial turf farms, parks, recreational areas, bowling greens, golf courses, sports fields)	300 mL/ha (3 mL/100 m <sup>2</sup> )	Mix Assurant 200 in water and apply a minimum spray volume of 300 L/ha (3 L/100 m <sup>2</sup> ) evenly over the area to be treated using spray equipment that delivers a coarse droplet size at the first sign of pest activity. To ensure optimum control, irrigate the treated area with up to 4-6 mm of water soon after application.
Argentine stem weevil ( <i>Listronotus bonariensis</i> )		375 mL/ha	Apply to areas where ants are active. Where possible spray directly into the nests. Initial applications should be broadcast over affected areas as ant activity increases in early spring. If required, a repeat application may be made during summer.
Mole cricket ( <i>Gryllotalpa</i> spp.)		150 mL/ha	In domestic turf situations, use is only by authorised lawn care specialists, professional pest managers or persons with relevant chemical handling certification.

#### EASY TO APPLY WITH LONGER EFFICACY

In Australian trials Assurant 200 treatments significantly reduced funnel ant activity and the construction of anthills compared to non-repellent insecticide control, with significant reduction of funnel ant activity for 90 days after application. There was no visible phytotoxicity or adverse effects on the turf grass by any treatment in these trials. Assurant is a water – based suspension concentrate formulated under the highest of quality controls to deliver proven performance over large areas in the turf industry.

# ASSURANT UTILIZES A UNIQUE NONREPELLENT, OR “UNDETECTABLE,” CHEMICAL TECHNOLOGY, WHICH ANTS CAN’T SEE, SMELL, TASTE, OR AVOID



## GREEN-HEADED ANTS

Size: 5-7mm

Habitat: Turf and surrounding areas

Threat: Burning venom sting causing pain and discomfort

Overview: The green-headed ant, *Rhytidoponera metallica*, can be found throughout Australia. They are able to colonise disturbed areas quickly and have become common in urban areas, sports fields and recreation parks. The ants generally build their nests underground beneath most types of grasses and often go unnoticed until someone, or sometimes some animal, is bitten. venom that the ant injects via a sting, in its abdomen, initiates a sharp burning sensation beginning seconds after the sting and lasting up until any time from five minutes to as long as two hours or, with some subspecies, up to a day

## FUNNEL ANTS

Size: 1-5mm

Habitat: Turf and surrounding areas

Threat: Turf destruction, blunting of mower blades, uneven playing surfaces, ability to sting

Overview: The Funnel Ant, *Aphaenogaster* spp. are widespread throughout Australia. They can be found outdoors and favour open ground and turf. Areas such as sporting field, parks and golf courses are high impact areas. Putting surfaces and fairways can be affected causing uneven playing surfaces. The unsightly mounds of soil can cause damage to mower blades. Large areas of damaged turf are also evident after mowing. Funnel ants also have the ability to sting when protecting their territory.

## BENEFITS OF WATER BASED FIPRONIL

**EASY TO APPLY** - Water based suspension concentrate for easy mixing and consistent application

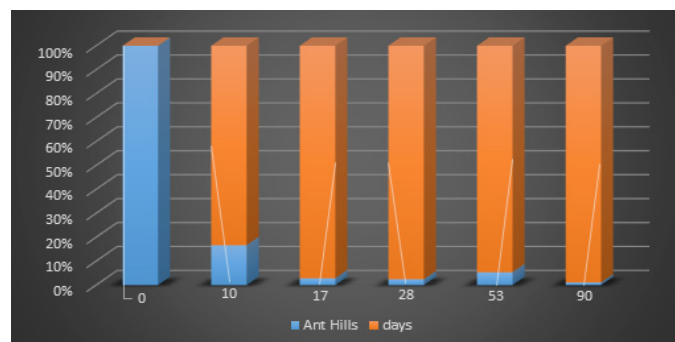
**COST EFFECTIVE** - Low rates of Fipronil over broad turf areas = high rate of return

**GENERAL SPRAY EQUIPMENT** - Water based formulation for all spray equipment

**EASY TO CLEAN AND MAINTAIN EQUIPMENT** - Quality controlled formulation means no blocked filters

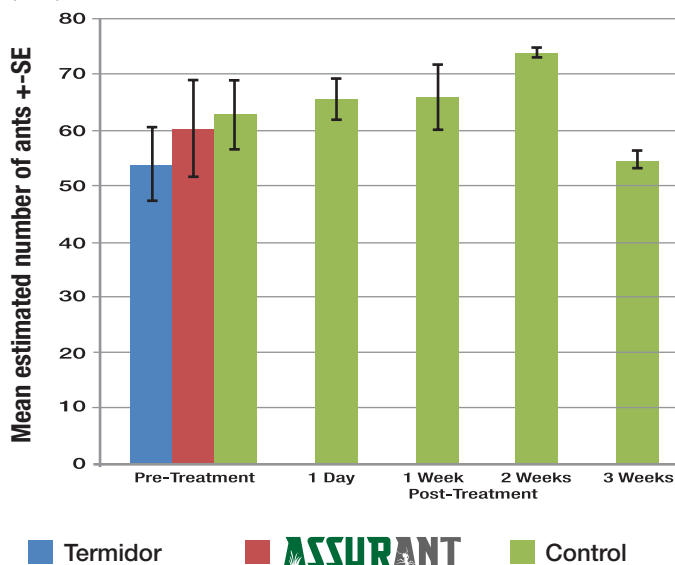
**LOW S5 POISON SCHEDULING** - Low active ingredient output increased safety to users & public, very low environmental hazard.

## FUNNEL ANT CONTROL IN TURF OVER 90 DAYS



## CONTROL OF ANTS

The average number of ants present at various post-treatment times (bars) with standard errors of mean.



## PROVEN PERFORMANCE WITH REDUCED RISK IN USE

Assurant is applied with time-tested application methods at very low rates. Assurant also binds tightly to the soil in which it is applied. This maintains the Assurant protective treatment zone through rainfall and irrigation and also minimizes the chance for leaching or other off-site movement.



[www.sherwoodchemicals.com.au](http://www.sherwoodchemicals.com.au)

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