

**CAUTION**  
**KEEP OUT OF REACH OF CHILDREN**  
**READ SAFETY DIRECTIONS BEFORE OPENING OR USING**



# **Tirem 200 SC**

## **Insecticide**

**ACTIVE CONSTITUENT: 200 g/L IMIDACLOPRID**

<b>GROUP</b>	<b>4A</b>	<b>INSECTICIDE</b>
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**For the Control of a Range of Insect Pests in Turf and  
Ornamental situations as per the Directions for Use**

**IMPORTANT: READ THIS LEAFLET BEFORE USING THIS PRODUCT**

APVMA Approval No.: 61094/114912



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## DIRECTIONS FOR USE

### Restrictions

**DO NOT** apply within 2 metres of water (ponds, drains etc.).

### Foliar Spray Applications

Situation	Pest	Rate	Critical Comments
Turf	1 <sup>st</sup> instar larvae of: African black beetle, Argentinean scarab, Pruinose scarab	2.5 L/ha or 25 mL/100 m <sup>2</sup>	Apply at peak egg hatch, that is mid-spring to mid-summer depending on species.
	Larvae of Billbug	Spray with at least 400 L water per hectare (4 L water per 100m <sup>2</sup> ) to ensure even coverage. Preferably spray on to wet or dewy grass. Irrigate with 5 - 12 mm of water commencing within 1 to 24 hours of application.	Monitor adult activity through late spring and early summer. Spray when numbers peak, or when small larvae (4 mm) are found in the thatch or surface soil. Early application is essential to minimise grass damage due to feeding.
Roses	Aphids	25 mL/100 L	Apply as a thorough cover spray at first sign of insect infestation.
Ornamental plants	Aphids, Azalea lace bug, Bronze orange bug, Harlequin bug, Citrus mealybug, Greenhouse thrips, Fullers rose weevil		
	Hibiscus flower beetle	50 mL/100 L	Spray buds and flowers as needed.
	Longtailed mealybug	50 mL/100 L plus surfactant	Apply 3 sprays 2 weeks apart. Use a 1000 g/L non-ionic surfactant at label rate.
	Psyllids	25 mL/100 L	Spray at first sign and then a week later.
	Soft scales		Spray in late spring or when small scales are first seen. Apply 3 sprays 2 weeks apart. Add a wetting agent.
Duboisia	Green peach aphid		Apply when aphid numbers reach spray threshold levels as determined by regular monitoring. Ensure thorough coverage of all leaves.
Pandanus trees	Flatid ( <i>Jamella australiae</i> )	<b>Spot Spray</b> 875 mL/100 L of water  <b>Stem injection</b> 1.75 L/1 L of water	<b>Spot spray:</b> Spray 100 mL of mixture directly into the leafy throat of each head. <b>Stem injection:</b> Drill holes 0.5 to 1 cm in diameter and 10 cm deep at an angle of 30°, 1 to 1.5 m above ground level. Drill one hole per limb (or trunk in single trunked trees). Apply 5 mL of mixture in each hole and seal the hole. <b>DO NOT</b> reapply in the same holes. Uptake of Tirem 200 SC Insecticide, and therefore control of the pest in heavily infested heads already showing severe damage, will be slow and may be incomplete.

### Soil Drench Applications

Situation	Pest	Rate	Critical Comments
Elm	Elm leaf beetle	7 mL/25 mm of tree diameter at breast height	Use as a soil drench application. Mix the required dose in sufficient water to adequately treat each tree. Use at least 50 L of mix per tree up to a tree diameter of 400 - 500 mm and then 100 L per tree for larger trees. Inject mix to a depth of 20 - 30 cm in a minimum of 4 injection sites per tree, 0.75 to 1.5 m apart, arranged in an evenly spaced grid to just beyond the drip line. Ensure root zone is adequately moist with active root growth. Keep treated area moist for 7 - 10 days after treatment. Treat at least 6 - 10 weeks prior to pest attack in late winter or early spring when roots are active. DO NOT treat if soil is waterlogged.
Seedling Eucalypts (to 1 m high) in pots	Chrysomelid beetle larvae, Psyllids	2.5 mL/plant	Use as a soil drench. Mix in water up to 0.5 L per 3 L pot and apply to soil. Use less water for smaller pots. DO NOT dilute to the point where mix runs out the bottom of pots.
Azaleas in pots	Azalea lace bug	3.5 mL/250 mL water / pot	Use as a soil drench for pots up to 20 L capacity.
Ornamentals in pots	Scarab beetle larvae	3.5 mL/5 L water	Use as a soil drench. 5 L of mixture will treat twenty 6 L pots.
Roses	Aphids	3.5 mL/2 L water / plant	Use as a soil drench by pouring mixture evenly around drip zone. Use this rate for plants up to 1 m high. For each additional metre of plant height, add 2 mL extra of Tirem 200 SC Insecticide to the 2 L of water.
For soil drench treatments, remove mulch and dead vegetation, and moisten the soil surface first. Apply the Tirem 200 SC Insecticide mixture, then water it in well immediately after application.			

**NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER, CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION**

### GENERAL INSTRUCTIONS

Tirem 200 SC Insecticide contains 200 g/L imidacloprid in the form of a suspension concentrate (SC).

#### Mixing

Prior to pouring, shake container vigorously then add the required quantity of Tirem 200 SC Insecticide to water in the spray vat while stirring or with agitators in motion.

Tirem 200 SC Insecticide is compatible with various fungicides, insecticides, herbicides and soil wetting agents. As formulations of other manufacturers' products are beyond the control of Turf Culture Pty Ltd, all mixtures should be tested prior to mixing commercial quantities. Tirem 200 SC Insecticide should not be mixed with fertilisers.

#### Compatibility

To avoid hydrolysis, Tirem 200 SC Insecticide needs the spray tank water to be within a pH range of 5 - 7. Any potential mixtures should be tested prior to mixing commercial quantities, compatibility testing should consist of assessing both; uniformed mixtures (i.e. no separation) and no rapid sediment build up (i.e. no flocculation).

### INSECTICIDE RESISTANCE WARNING

<b>GROUP</b>	<b>4A</b>	<b>INSECTICIDE</b>
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For insecticide resistance management Tirem 200 SC Insecticide is a Group 4A insecticide. Some naturally occurring insect biotypes resistant to Tirem 200 SC Insecticide and other Group 4A insecticides may exist through normal genetic variability in any insect population. The resistant individuals can eventually dominate the insect population if Tirem 200 SC Insecticide or other Group

4A insecticides are used repeatedly. The effectiveness of Tirem 200 SC Insecticide on resistant individuals could be significantly reduced. Since the occurrence of resistant individuals is difficult to detect prior to use, Turf Culture Pty Ltd accepts no liability for any losses that may result from the failure of this product to control resistant insects. Tirem 200 SC Insecticide may be subject to specific resistance management strategies. For further information contact your local supplier or Turf Culture Pty Ltd representative.

Insecticide Resistance Management Strategy for aphids other than green peach aphid and cotton aphid, whitefly and melon thrips: DO NOT apply Tirem 200 SC Insecticide in consecutive sprays. Rotate with registered insecticides from other groups.

Confined environments such as glasshouses: Annuals: DO NOT apply more than 1 spray of Tirem 200 SC Insecticide to any one crop. Perennials: Rotate with registered insecticides from other groups. Use a maximum of three sprays in any 12-month period.

## **PRECAUTIONS**

### **Note on Ornamentals**

Tirem 200 SC Insecticide has been used on a wide range of ornamental plant species without damage. However, some species and varieties are particularly sensitive to chemical sprays and as this is often related to local conditions it is advisable to treat only a small number of plants first, in order to ascertain their reaction before treating the whole crop.

## **PROTECTION OF LIVESTOCK**

Dangerous to bees. DO NOT spray any plants in flower while bees are foraging. DO NOT graze treated turf or feed turf clippings from any treated area to poultry or livestock.

## **PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT**

DO NOT contaminate streams, rivers or waterways with the chemical or used containers.

## **STORAGE AND DISPOSAL**

Store in the closed, original container in a cool, well-ventilated area. DO NOT store for prolonged periods in direct sunlight.

Triple-rinse containers before disposal. Add rinsings to spray tank. DO NOT dispose of undiluted chemicals on site. If recycling, replace cap and return clean containers to recycler or designated collection point.

If not recycling, break, crush or puncture and deliver empty packaging for appropriate disposal to an approved waste management facility. If an approved waste management facility is not available, bury the empty packaging 500 mm below the surface in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots, in compliance with relevant Local, State or Territory government regulations. DO NOT burn empty containers or product.

## **SAFETY DIRECTIONS**

Harmful if swallowed. May irritate the eyes and skin. Avoid contact with eyes and skin. Repeated exposure may cause allergic disorders. Wash hands after use. When preparing product for use, wear cotton overalls buttoned to the neck and wrist and a washable hat, elbow-length PVC gloves and goggles. After each day's use, wash gloves, goggles and contaminated clothing.

## **FIRST AID INSTRUCTIONS**

If poisoning occurs contact a doctor or Poisons Information Centre. *Telephone: Australia 13 11 26.*

## **SAFETY DATA SHEET**

For further information refer to the Safety Data Sheet (SDS), which is available from the supplier or from the manufacturer's website: [www.turfculture.com.au](http://www.turfculture.com.au)

## **CONDITIONS OF SALE**

The use of Tirem 200 SC Insecticide being beyond the control of the manufacturer, no warranty expressed or implied is given by Turf Culture Pty Ltd regarding its suitability, fitness or efficiency for any purpose for which it is used by the buyer, whether in accordance with the directions or not and Turf Culture Pty Ltd accepts with no responsibility for any consequences whatsoever resulting from the use of this product.

In a Transport Emergency Dial 000 Police or Fire Brigade