



# DeltaGard<sup>®</sup> SC

**Active Ingredients:** deltamethrin 50 g/L

**Group:** 3 insecticide

**Mode of Action:** controls through contact and or ingestion

**Formulation:** suspension concentrate

**Signal Word:** caution

**Best Uses:** Ants, chinch bugs, cutworm, sod webworm, and ticks in turf

DeltaGard<sup>®</sup> SC is a highly effective, fast acting contact insecticide used at very low rates to control ants, chinch bugs, cutworm, sod webworm, and ticks in turf. DeltaGard SC contains the active ingredient deltamethrin, a third generation pyrethroid insecticide.

Deltamethrin's mode of action is different than organophosphates and carbamates. It does not bind to cholinesterase and is not a cholinesterase inhibitor; rather it affects the nervous system of insects by changing the solubility of the nerve cell membrane. DeltaGard SC affects the insects' transmission of messages sent from the brain by blocking nerve impulses and causing paralysis, which leads to fast knockdown. This mode of action is highly effective on insects while demonstrating low toxicity to mammals. Insects are affected by deltamethrin through both contact and ingestion.

## Attributes of DeltaGard SC

- Highly efficacious
- Fast acting
- Broad-spectrum surface insecticide
- Third generation (improved) synthetic pyrethroid
- Very low use rates
- Low environmental impact and low mammalian toxicity
- High margins of safety to applicators and on non-target organisms
- Easy to mix and apply liquid formulation
- Low odour
- Excellent fit for IPM

**DeltaGard SC effectively fights the following pests:**



chinch bug



cutworm



sod webworm



ant



tick

## How to apply DeltaGard SC

For dense turfgrass canopies and/or turf maintained under high moving heights, minimum water volumes of 10 L per 100 m<sup>2</sup> or greater are recommended. Delay irrigation or mowing for 24 hrs following application.

INSECT	RECOMMENDATIONS	RATE
Chinch bugs, sod webworms, cutworms, ants	<p><b>GROUND</b>            Apply when insects are present or signs of insect feeding are visible. A second application may be necessary in 2-3 weeks time, where heavy infestations occur.            For dense turfgrass canopies and/ or turf maintained under high mowing heights, and/or turf with thatch, minimum water volumes of 10 L per 100 m<sup>2</sup> or greater are recommended to ensure material moves through the thatch.</p>	<p>1.2 L/ha in 600-1500 L of water per ha (12 mL/100 m<sup>2</sup> in 6-15 L of water per 100 m<sup>2</sup>)</p>
Ticks	<p>Apply DeltaGard SC as a coarse wet spray to areas in a minimum of 8 L of water per 100 m<sup>2</sup> as follows:            Apply as a 3 metre band to turf areas around property lines or around structures such as dog houses, kennels, sidewalks, pathways or patios where ticks are a problem.            Turf areas that are of particular importance to observe for ticks include those adjacent to forested areas, stonewalls, ornamental plantings and other areas where there is overgrown vegetation.            Reduce tick habitat through landscape management practices including but not limited to mowing the turf and removal of weeds, leaf litter and other debris where ticks are found.</p>	<p>12 mL product per 100 m<sup>2</sup> in a minimum of 8 L of water per 100 m<sup>2</sup></p>

