



DeltaGard® GC

5SC INSECTICIDE

Product

Reference

Guide

PRODUCT OVERVIEW

DeltaGard® GC is a water-soluble, low-dose insecticide and is available to the professional golf course management industry for use on golf course turf, as well as landscape and ornamental plants. DeltaGard GC is available in a Suspension Concentrate (5SC) formulation. Featuring DeltaGard brand deltamethrin, DeltaGard GC provides effective control of a broad spectrum of insects at rates as low as 0.03 lbs. ai/A. These rates are among the lowest of any line of insecticides, anywhere. DeltaGard controls over 50 surface-feeding and ornamental pests, including chinch bugs, mole crickets, cutworms and armyworms, with quick knockdown, high mortality and a long residual. And because DeltaGard insecticides are soluble in water, they contain no VOCs.

MODE OF ACTION/ HOW PRODUCT WORKS

All DeltaGard products are general-purpose insecticides that work on contact with the target insects.

Unlike any other pyrethroid, DeltaGard is created of a single, pure active isomer, so 100% of every DeltaGard crystal has a powerful insecticidal effect. This means that users apply less insecticide that contains DeltaGard as its active ingredient to achieve the same effect.

AVERAGE RELATIVE POTENCY OF PYRETHROIDS

Active Ingredient	Product Name	Relative Potency
Permethrin	Astro®	10.0
Bifenthrin	Talstar®	3.0
Lambda-cyhalothrin	Scimitar®	1.3
DeltaGard (deltamethrin)	DeltaGard T&O 5SC	1.0
DeltaGard (deltamethrin)	DeltaGard GC 5SC	1.0

DeltaGard is 10 times more potent than permethrin, 3 times more potent than bifenthrin and 1.3 times more potent than lambda-cyhalothrin.

Benefits

- Highly effective, broad-spectrum insecticide
- Formulations are effective at extremely low use rates
- Fast knockdown and control of major surface and sub-surface (mole cricket) pests, and major tree and shrub pests
- Contains deltamethrin, a potent, single-isomer pyrethroid
- Concentrations as low as 4 fl. ozs./100 gals. of water on ornamentals (0.0015%)
- Straightforward application using standard equipment
- Suspension concentrate formulations:
 - Won't clog spray system
 - Leave no visible residue
- Very low toxicity to mammals
- Virtually no odor
- Long residual
- Contains no VOCs

EFFECTIVE TANK-MIX OPTION

DeltaGard GC 5SC is compatible with many commonly used pest control and fertilizer products when used in a tank mix. Tank mixes of DeltaGard suspension concentrate with silicone surfactants may improve the control of some insects, such as mole crickets.

FREQUENTLY ASKED QUESTIONS

Q: Are DeltaGard insecticides economical?

A: DeltaGard insecticides are economical because of their extremely low use rates. Traditionally, many insecticides that required very high application rates were used. Fortunately, because of concerns about the amounts of chemicals used, the demand for low-dose products has increased substantially. DeltaGard GC requires extremely low amounts of the active ingredient deltamethrin, so cost-efficient rates of 0.03 to 0.13 lbs. ai/A can be used to control virtually all surface-feeding insects as well as major sub-surface pests.

Q: What DeltaGard formulations are available for professional use?

A: DeltaGard GC is available in a Suspension Concentrate (5SC) formulation for use on golf courses. The suspension concentrate formulation contains pure microcrystals of deltamethrin suspended in water. It is virtually odorless and has a long residual. Also, it leaves no visible residue and will not clog spray systems. DeltaGard is also available on a proprietary new granule form. Several formulators also offer DeltaGard Fertilizer. Contact your local formulator for specific product offerings.

INSECTS CONTROLLED

DeltaGard GC 5SC:

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| • Annual Bluegrass Weevil (Hyperodes) (adult) | • Cutworms | • Scorpions (adult) |
| • Ants | • Fleas (adult) | • Sod Webworms |
| • Armyworms | • Grasshoppers | • Sowbugs |
| • Billbugs (adult) | • Ground Beetles | • Springtails |
| • Black Turfgrass Ataenius (adult) | • Japanese Beetles (adult) | • Spiders |
| • Centipedes | • Leafhoppers | • Ticks (including deer ticks) |
| • Chiggers | • Mealybugs | |
| • Chinch Bugs | • Mites (suppression only) | |
| • Cockroaches | • Mole Crickets | |
| • Crickets | • Pillbugs | |
| | • Fire Ants | |