

432-834

03/11/2003

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# DeltaGard® T&O

FOR COMMERCIAL USE ONLY. TO CONTROL INSECT PESTS OUTDOORS ON ORNAMENTALS AND LAWNS IN LANDSCAPED AREAS AROUND RESIDENTIAL, INSTITUTIONAL, PUBLIC, COMMERCIAL AND INDUSTRIAL BUILDINGS, PARKS, RECREATIONAL AREAS AND ATHLETIC FIELDS  
NOT FOR USE ON TURF BEING GROWN FOR SALE OR OTHER COMMERCIAL USE AS SOD, OR FOR COMMERCIAL SEED PRODUCTION, OR FOR RESEARCH PURPOSES

**ACTIVE INGREDIENT:**

Deltamethrin: 4.75%

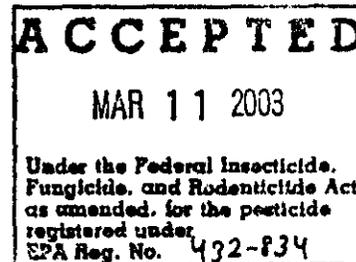
**OTHER INGREDIENTS:** 95.25%

100.00%

Contains 0.42 lb deltamethrin per gallon.

EPA Reg. No. 432-834

EPA Est. No.



**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

SEE INSIDE PANEL FOR FIRST AID AND ADDITIONAL PRECAUTIONS

PRECAUCION AL USARIO: Si usted no lee ingles, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.

(TO THE USER: If you cannot read English, do not use this product until the label has been fully explained to you.)

IN CASE OF MEDICAL, ENVIRONMENTAL, OR TRANSPORTATION EMERGENCIES OR INQUIRIES, CALL 1-800-334-7577 (24 HOURS/DAY).

FOR PRODUCT INFORMATION, CALL TOLL-FREE: 1-800-331-2867

**NET CONTENTS:**

**chipco®**  
Professional Products

Produced By:

**BAYER ENVIRONMENTAL SCIENCE**  
A Business Group of Bayer CropScience LP  
95 Chestnut Ridge Road • Montvale, NJ 07645

**FIRST AID**

**If Swallowed:** Call a poison control center or doctor immediately for treatment advice. Have a person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a poison control center or doctor.

**If In Eyes:** Hold eyes open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. Call a poison control center or doctor for treatment advice.

**If On Skin:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center for treatment advice.

**If Inhaled:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

**NOTE:** Have the product container or label with you when calling a poison control center or doctor for treatment.

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS &  
DOMESTIC ANIMALS  
CAUTION**

Harmful if inhaled. Avoid breathing vapor or spray mist. Contact with product may result in transient tingling and reddening of the skin. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

Wear protective clothing when using or handling this product to help avoid exposure to eyes and skin. Eye protection, gloves, a long-sleeved shirt, and long-legged pants or coveralls are recommended.

Do not allow adults, children, or pets on treated surfaces until spray has dried.

**ENVIRONMENTAL HAZARDS**

This pesticide is extremely toxic to fish and aquatic invertebrates. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Drift and runoff may be hazardous to aquatic organisms in areas near the application site. Use with care when applying in areas adjacent to any body of water. Do not apply on saturated soil. Do not contaminate ornamental fish ponds. Do not contaminate water by cleaning of equipment or disposal of equipment washwaters.

This pesticide is highly toxic to bees exposed to direct treatment. Do not apply or allow it to drift to crops or weeds on which bees are actively foraging.

Notify State and/or Federal authorities and Bayer Environmental Science immediately if you observe any adverse environmental effects due to the use of this product.

**NOTICE:** It is a Federal offense to use any pesticide in a manner that results in the death of a member of an endangered species.

**DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

**GENERAL INFORMATION**

DELTAGARD™ T&O 5SC Insecticide is a suspension concentrate formulation of deltamethrin containing the equivalent of 0.42 lb active ingredient per gallon. DELTAGARD T&O 5SC is a pyrethroid product which controls a broad spectrum of insects on turfgrasses and ornamental plants grown for nonfood or nonfeed uses. These areas include outdoor areas where turfgrasses and ornamentals are grown, such as athletic fields, recreational areas, residential landscapes, parks, and public and commercial sites. This product will provide effective knockdown and residual control of the pests listed on this label. Uniform coverage is essential. Begin applications when pests are evident and repeat as needed.

**GENERAL HANDLING AND MIXING INSTRUCTIONS**

Shake container well before using. Add approximately one-half of the water to the spray tank. Then add the proper amount of DELTAGARD T&O 5SC Insecticide in water in accordance with the appropriate Application Rate table. Close the tank and agitate vigorously for 5 to 10 seconds, then add the remaining water slowly to avoid excess foam. Thoroughly agitate sprayer to ensure proper suspension. If spraying is interrupted when using a backpack or hand-held spray equipment, reinsert sprayer before use. If spray screens are used, they should be 50 mesh or larger.  
DILUTE DELTAGARD T&O 5SC Insecticide ONLY WITH WATER. Prepare spray solution when ready to make applications.

**APPLICATION INSTRUCTIONS AND RECOMMENDATIONS**

**TURFGRASS SITES**

Apply DELTAGARD T&O 5SC Insecticide as a broadcast application using a conventional hydraulic boom-type sprayer or other suitable equipment for turfgrass pests according to the rates listed in the APPLICATION RATES FOR TURFGRASS SITES table. Apply using a minimum of 2 gallons of water per 1000 sq. ft. Higher volumes (4 to 10 gallons of water per 1000 sq. ft.) may be needed for adequate coverage of dense turfgrass canopies and/or turfgrasses maintained under high mowing heights.

Target insects must be exposed to the insecticide to be controlled. For optimum control of surface-feeding insects, delay irrigation or mowing for 24 hours after application. For subsurface-feeding insects, irrigate with 0.25 to 0.5 inch of water immediately after application.

**Tank Mix Recommendations** - DELTAGARD T&O 5SC Insecticide has been found to be compatible with many commonly used pest control and fertilizer products. When tank mixing DELTAGARD T&O, observe all restrictions and precautions and limitations which appear on the label of each product. For any tank mixture which has not been previously tested, mix the correct proportion of products and water in a quart jar to ensure proper physical compatibility of the mixture.

Tank mixtures of DELTAGARD T&O 5SC Insecticide with silicone surfactants may improve the control of some insects.

**APPLICATION RATES FOR TURFGRASS SITES**

Turfgrass Sites	Pests	Rates	Remarks
Areas such as residential and recreational lawns	Armyworms, Cutworms, Sod webworms	0.2 to 0.4 fl.oz. per 1000 sq. ft. or 8.75 to 17.5 fl. oz. per Acre or 0.03 to 0.06 lb ai/A	Apply when pests become evident.  Apply as a broadcast spray in a minimum of 2 gallons of water per 1000 sq. ft.
	Ants, Centipedes, Chiggers, Cockroaches, Crickets, Fleas (adult), Grasshoppers, Ground beetles, Japanese beetles (adults), Leafhoppers, Mealybugs, Pillbugs, Scorpions, Sowbugs, Springtails, Spiders, Ticks (including black-legged ticks or deer ticks)	0.4 to 0.6 fl.oz. per 1000 sq. ft. or 17.5 to 26 fl. oz. per Acre or 0.06 to 0.08 lb ai/A	Delay irrigation or mowing for 24 hours after application for optimum control of surface feeders such as cutworms and sod webworms.
	Annual bluegrass weevil ( <i>Hyperodes</i> adult), Billbugs (adult), Black turfgrass ataenius (adult), Chinch bugs, Mites*, Mole crickets	0.6 to 0.9 fl.oz. per 1000 sq. ft. or 26 to 39 fl. oz. per Acre or 0.08 to 0.13 lb ai/A	For subsurface feeders, such as mole crickets, irrigate with 0.25 to 0.5 inch of water immediately after application.  The addition of a silicone surfactant may enhance mole cricket control.
	Red imported fire ants**	1.5 fl.oz./gallon	

\*Suppression Only

\*\*For control of fire ants, mix 1.5 fl. oz. DELTAGARD T&O 5SC Insecticide per one gallon of water and apply as a drench treatment to each fire ant mound. Gently apply 1 to 2 gallons over the surface of each mound and surrounding area to approximately 2 feet in diameter. Whenever possible, avoid excessive disturbance of the mounds since high pressure sprays may cause ant migration, reducing product effectiveness. For best results, apply in cool weather during spring and fall (65°-80°F) or early morning or late evening hours. If possible, apply after a recent rainfall. Make additional treatments as needed and treat new mounds as they appear.

**RESTRICTIONS FOR TURFGRASS APPLICATIONS**

Do not apply this product by aerial application or by any type of chemigation system. Do not apply when wind speed is greater than 15 mph. Apply product using spray nozzles which produce coarse droplet size, such as flood jet nozzles. Do not apply when turfgrass areas are waterlogged or the soil is saturated with water (i.e., will not accept irrigation).

**LANDSCAPE ORNAMENTALS**

DELTAGARD T&O 55C Insecticide provides control of a wide range of insects on landscape ornamentals. Mix DELTAGARD T&O 55C Insecticide with the required amount of water according to the APPLICATION RATES FOR ORNAMENTALS table. Thoroughly apply the finished spray to upper and lower leaf surfaces to ensure adequate coverage, but prior to dripping. Be sure to penetrate dense foliage to wet leaves, trunk, and branches.

Plant safety testing has been conducted on many species of ornamental plants under a wide range of environmental and cultural conditions, and no injury has been observed. If local use information is not available, it is advisable to pre-spray a few plants.

**APPLICATION RATES FOR ORNAMENTALS**

Ornamentals	Pests	Rate	Remarks	
Landscape ornamentals including trees, shrubs, evergreens, and foliage plants	Adelgids	4 to 8 fl.oz. per 100 gallons of water	Apply when pests become evident.	
	Ants*		Thorough coverage is required for best results.	
	Aphids			Apply with sufficient water to ensure coverage of upper and lower leaf surfaces.
	Azalea caterpillar			
	Azalea lace bugs			
	Bagworms			
	Boxelder bugs			
	Cankerworms			
	California oakworms			
	Cardamom thrips			
	Casebearers			
	Cockroaches			
	Crickets*			
	Elm leaf beetles			
	Elm spanworms			
	European pine sawflies			
	Fall webworms			
	Firebrats			
	Flea beetles			
	Flies			
	Fungus gnats			
	Glassy winged sharpshooter			
	Grasshoppers			
	Greenstriped mapleworm			
	Gypsy moth (larvae)			
	Imported willow leaf beetles			
	Japanese beetles (adults)**			
	June beetles (adults)			
	Lace bugs			
	Leaf-feeding caterpillars			
	Leafhoppers			
	Leafminers			
	Leaf rollers			
	Leaf skeletonizers			
	Mealybugs			
	Midges*			
	Mimosa webworms			
	Mites***			
	Orangestriped oakworms			
	Pillbugs			
	Pine shoot beetles			
	Pine tip moths			
	Pinyon spindlegall midges			
	Psyllids			
	Plant bugs			
Redhumped caterpillar				
Red imported fire ants				
Sawfly larvae				
Silverfish				
Sowbugs				
Spiders*				
Springtails				
Spanworms				
Scale insects (crawlers)				
Spittlebugs				
Tent caterpillars				
Ticks				
Webworms				
Yellownecked caterpillar				

**NOTES:**

1. DO NOT apply DELTAGARD T&O 55C through any type of irrigation system.
2. DO NOT apply this product to edible crops.
3. In New York State, product may not be applied to turf within 100 feet of a coastal marsh, or stream that drains directly into a coastal marsh. For control of turf insects in New York State, a second application may be made after two weeks if target insect activity persists.
4. Not for use in commercial greenhouses, nurseries, sod farms, or grass grown for seed. Not for use on golf course turf.

**STORAGE & DISPOSAL**

Do not contaminate water, food, or feed by storage or disposal.

**Storage:** Avoid extremes in temperature. Mix as needed. Do not store diluted material. Store in original container in a secured dry storage area. Prevent cross-contamination with other pesticides and fertilizers. If the container is leaking or material is spilled on floor or paved surfaces, absorb with sawdust or other commercially available absorbing material, sweep up and remove to chemical waste area for disposal.

**Pesticide Disposal:** Wastes resulting from the use of this product may be disposed of on-site or at an approved waste disposal facility.

**Container Disposal:** Triple rinse (or equivalent). Then offer for recycling or reconditioning; or puncture and dispose of in a sanitary landfill, or by incineration; or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

\* The use of DeltaGard T&O 55C Insecticide for the control of ants, crickets, midges and spiders is limited to ornamental areas and areas adjacent to buildings. Apply as a general spray, concentrating on damp areas beneath shrubbery, around foundations and in areas of tall weeds and grass.

\*\* Will provide antifeedent properties on treated ornamentals against Japanese beetles.

\*\*\* Suppression only.

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**IMPORTANT: READ BEFORE USE**

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following conditions, disclaimer of warranties and limitations of liability.

**CONDITIONS:** The directions for use of this product are believed to be adequate and should be followed carefully. However, because of manner of use and other factors beyond Bayer Environmental Science's control, it is impossible to eliminate all risks associated with the use of this product. As a result, crop injury or ineffectiveness is always possible. All such risks shall be assumed by the user or buyer.

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Replaces: DG-T&O 55C-SL-2M-7/01

Revisions include:

- Addition of Glassy Winged sharpshooter

DISCARD PREVIOUS LABELS!