



432-834

02/04/2003

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF PREVENTION, PESTICIDES AND TOXIC SUBSTANCES

FEB 4 2003

Richard M. Gorrell
Manager, Registration
Aventis Environmental Science
95 Chestnut Ridge Road
Montvale, NJ 07645

Subject: Amendment - Add New Use Sites
Deltagard T&O 5SC Insecticide
EPA Reg. No. 432-834
Your submission November 6, 2002

Dear Mr. Gorrell:

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, is acceptable, subject to the comments listed below. A stamped copy of the label has been enclosed for your records.

- 1. Perimeter treatment is a distinct site and as such you must submit an offer to pay statement and complete data matrix.
2. Please confirm that you have addressed the data requirements for perimeter treatment specified in the data tables in the CFR.
3. Under the "Precautionary Statements" section of your label, please move the statements "Wear protective clothing...spray has dried." to the "Directions for Use" section of your label.
4. Under the "General Pest Control Outdoors" section, revise the first sentence to read "Use DelatGard T & O 5SC as an aid in controlling outdoor pests...."

If you have any questions regarding this action, please call Dr. William Sproat of my team at 703-308-8587.

Sincerely,
[Signature]
George T. LaRocca
Product Manager 13
Insecticide Branch
Registration Division (7505C)

Enclosure

# DeltaGard® T&O

## 5 SC INSECTICIDE

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:

ACCEPTED  
with COMMENTS  
in EPA Letter Dated

FEB 4 2003

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No.

432-834

**CHIPCO®**  
Professional Products

Produced By:  
AVENTIS ENVIRONMENTAL SCIENCE USA 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. 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 AgrEvo Environmental Health 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 0.42lb 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, reinvert 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.

**GENERAL PEST CONTROL OUTDOORS**

Use DeltaGard T&O 5SC to control outdoor pests by application as either a perimeter treatment, residual spray or broadcast application to lawns, grounds and ornamental plantings.

**TREATMENT SITES:** When used in accordance with label directions, DeltaGard T&O 5SC may be applied as a perimeter treatment or as residual spray around residential and non-residential settings. Begin applications when pests are noticed.

**RESIDUAL SPRAYS:** Apply DeltaGard T&O 5 SC as a coarse low pressure spray at the rate of 0.75 to 1.5 fluid ounces to surfaces of buildings, porches, screens, window frames, eaves, patios, refuse dumps, garages and lawns.

**PERIMETER TREATMENTS:** To help prevent infestation of buildings, apply DeltaGard T&O 5SC where pests are active and may find entrance. It is recommended to treat a band of soil or lawn up to 6-10 feet wide around and adjacent to buildings and treat the building foundation to a height of 2-3 feet. Apply as a coarse spray at the rate 0.25 to 1.5 fluid ounces of DeltaGard T&O 5SC per gallon of water. (See Application Rate Table). Use an adequate volume to thoroughly and uniformly wet the barrier area but do not allow run-off to occur.

**FIRE ANTS:** Apply DeltaGard T&O 5SC as a drench to fire ant mounds. Dilute 1.5 fluid ounces of DeltaGard T&O 5SC per one gallon of water. Gently sprinkle 1-2 gallons of the diluted insecticide over the surface of each mound and surrounding area to a 2-foot diameter. For best results, apply in cool weather, 65 to 80 F or in early morning or late evening hours. Treat new mounds as they appear. Pressurized sprays may disturb the ants and cause migration, reducing product effectiveness.

**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, athletic fields, parks, public and commercial sites | 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 a/A | Apply when pests become evident.<br>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 a/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 (Hyperodes adult), Billbugs (adult), Black turfgrass atenioides (adult), Chinch bugs, Mites*, Mole  | 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 a/A     | For subsurface feeders, such as mole crickets, irrigate with 0.25 to 0.5 inch of water immediately after application.<br>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 5SC Insecticide provides control of a wide range of insects on landscape ornamentals. Mix DELTAGARD T&O 5SC 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<br>Ants<br>Aphids<br>Azalea caterpillar<br>Azalea lace bugs<br>Bagworms<br>Boxelder bugs<br>Cankerworms<br>California oakworms<br>Cardamom thrips<br>Casebearers<br>Cockroaches<br>Crickets*<br>Elm leaf beetles<br>Elm spanworms<br>European pine sawflies<br>Fall webworms<br>Firebrats<br>Flea beetles<br>Fleas<br>Fungus gnats<br>Grasshoppers<br>Greenstriped mapleworm<br>Gypsy moth (larvae)<br>Imparted willow leaf beetles<br>Japanese beetles (adults)**<br>June beetles (adults)<br>Lace bugs<br>Leaf-feeding caterpillars<br>Leafhoppers<br>Leafminers<br>Leaf rollers<br>Leaf skeletonizers<br>Mealybugs<br>Midges*<br>Mimosa webworms<br>Mites***<br>Orangestriped oakworms<br>Pillbugs<br>Pine shoot beetles<br>Pine tip moths<br>Pinyon spindlegal midges<br>Psyllids<br>Plant bugs<br>Redumped caterpillar<br>Red imported fire ants<br>Sawfly larvae<br>Silverfish<br>Sowbugs<br>Spiders<br>Springtails<br>Spanworms<br>Scale insects (crawlers)<br>Spittlebugs<br>Tent caterpillars<br>Ticks<br>Webworms<br>Yellownecked caterpillar | 4 to 8 fl. oz. per 100 gallons of water | Apply when pests become evident.<br>Thorough coverage is required for best results.<br>Apply with sufficient water to ensure coverage of upper and lower leaf surfaces. |

\* The use of DeltaGard T&O 5SC 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 antifeedant properties on treated ornamentals against Japanese beetles.

\*\*\* Suppression only.

#### NOTES:

- DO NOT apply DELTAGARD T&O 5SC through any type of irrigation system.
- DO NOT apply this product to edible crops.
- 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.
- 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.

**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, it is impossible to eliminate all risks associated with the use of this product. Ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Aventis Environmental Science USA LP. All such risks shall be assumed by the user or buyer.

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Revisions include:

- Perimeter treatment turfgrass
- Additional use directions turfgrass

DeltaGard T&O SSC Amend 3/12/02 RMG