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432-835

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U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (H7505C)
401 "M" St., S.W.
Washington, D.C. 20460

EPA Reg. Number:

432-835

Date of Issuance:

JAN 16 1998

NOTICE OF PESTICIDE:

☒ Registration☐ Reregistration

Term of Issuance: Conditional

Name of Pesticide Product:

Deltagard GC Insecticide

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

AgrEvo Environmental Health
95 Chestnut Ridge Road
Montvale, NJ 07645

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(5)(A) provided that you:

1. Submit and/or cite all data required for registration/ reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.
2. Make the following label changes:
 - a. Revise the EPA Registration Number to read, "EPA Reg. No. 432-835".
 - b. Change NOTES to "Spray Drift and Precautions for Outdoor Use". Delete Numbers 2,3 and 4 and add the following:
 2. Do not apply by air. Do not apply within 25 feet of lakes, reservoirs, rivers, permanent streams, marshes or natural ponds, estuaries, and commercial fish farm ponds. When treating tall trees (>15 feet) from the ground with high pressure sprays or during any application with air assisted equipment (mist blowers) do not apply within 150 feet of aquatic areas.

Signature of Approving Official:

Date:

3. Do not apply this product as a U.L.V. application. Apply product using spray nozzles which produce a coarse droplet size. Formation of very small droplets may be minimized by appropriate nozzle selection and by avoiding excessive spray pressure.
 4. Low humidity and high temperatures increase the likelihood of spray drift to sensitive areas. Avoid spraying during conditions of low humidity and/or high temperature.
 5. Make applications when wind velocity favors on target deposition (approximately 3 to 10 mph). Do not apply when wind velocity exceeds 15 mph.
 6. Risk of exposure to sensitive aquatic areas can be reduced by avoiding applications when the wind direction is towards the aquatic area.
 7. Do not make outdoor applications during temperature inversions. Inversions are characterized by stable air and increasing temperature with height above ground. Mist or fog may indicate the presence of an inversion in humid areas. The applicator may detect the presence of an inversion by producing smoke and observing a smoke layer near the ground surface.
 8. Be particularly careful not to allow drift to containers or ornamental ponds containing valuable fish or invertebrates.
- b. Add in parenthesis (PPE) following the title Personal Protective Equipment.
 - c. Add "extremely" to the precaution "This product is extremely toxic to"
 - d. Delete the site "greenhouse" wherever it appears on the labeling. Also add the precaution, "Do not apply this product in greenhouses" under the heading Landscape, Greenhouse and Nursery Ornamentals.
3. Submit two copies of the revised final printed label for the record. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records.

George T. LaRocca
Product Manager (13)
Insecticide Branch
Registration Division (7505C)

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RESTRICTED USE PESTICIDE
DUE TO TOXICITY TO FISH AND AQUATIC ORGANISMS
For retail sale to and use only by certified applicators or persons under their direct supervision
and only for those uses covered by the certified applicator's certification.

DELTAGARD™ GC
INSECTICIDE

**FOR INSECT CONTROL ON GOLF COURSES, SOD FARMS, COMMERCIAL AND RESIDENTIAL TURF,
AND LANDSCAPE, GREENHOUSE AND NURSERY ORNAMENTAL PLANTS**

ACTIVE INGREDIENT:	
Deltamethrin: (s)-alpha-cyano-3-phenoxybenzyl-(1R,3R)-3-(2-2-dibromovinyl)- 2,2-dimethylcyclopropanecarboxylate	4.75%
INERT INGREDIENTS:	95.25%
	100.00%

Contains 0.42 lb deltamethrin per gallon.
Delta is a trademark of AgrEvo Environmental Health, Inc.

EPA Reg. No. 432-*IGH* EPA Est. No.

PRECAUCION AL CONSUMIDOR: 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.)

KEEP OUT OF REACH OF CHILDREN

CAUTION

STATEMENT OF PRACTICAL TREATMENT

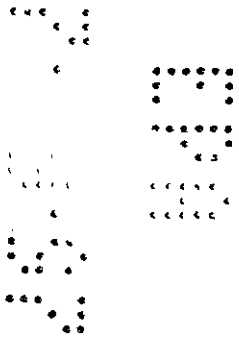
If Inhaled: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

See Side Panel for Additional Precautions

NET CONTENTS:

AgrEvo Environmental Health
95 Chestnut Ridge Road
Montvale, NJ 07645

ACCEPTED
with COMMENTS
in EPA Letter Dated
/ JAN 16 1998
Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
432-835



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.

Personal Protective Equipment

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Water-proof gloves
- Shoes plus socks

User Safety Recommendations

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

Engineering Control Statements

When handlers use closed systems or enclosed cabs in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

Environmental Hazards

This pesticide is 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. 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.

For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Coveralls
- Waterproof gloves
- Shoes plus socks

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

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.

General Information

DELTAGARD GC Insecticide is a suspension concentrate formulation of deltamethrin containing the equivalent of 0.42 lb active ingredient per gallon. DELTAGARD GC Insecticide is a pyrethroid product which controls a broad spectrum of insects on turfgrasses and ornamental plants grown for non-food or non-feed uses. These areas include outdoor areas where turfgrasses and ornamentals are grown, such as golf courses, sod farms, athletic fields, recreational areas, residential landscapes, parks, and public and commercial sites, greenhouses and ornamental nurseries. 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 GC Insecticide in water in accordance with the rates in the RATE OF APPLICATION CHART below. 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 back-pack or hand-held spray equipment, re-invert sprayer before use. If spray screens are used, they should be 50 mesh or larger. DILUTE DELTAGARD GC Insecticide ONLY WITH WATER. Prepare spray solution when ready to make applications.

Application Instructions and Recommendations

Turfgrass Sites

Apply DELTAGARD GC 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 GC Insecticide has been found to be compatible with many commonly used pest control and fertilizer products. When tank-mixing DELTAGARD GC, 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 GC 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 turf, sod farms and golf courses	Ants, armyworms, centipedes, chiggers, cockroaches, crickets, cutworms, , fleas (adult) grasshoppers, ground beetles, Japanese beetles (adults), leafhoppers, mealybugs, , pillbugs, scorpion (adult), scorpions, sod webworms, sowbugs, springtails, spiders, ticks (including deer ticks)	0.4 to 0.6 fl oz/1000 sq ft or 17.5 to 26 fl oz/Acre or 0.06 to 0.08 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.
	Annual bluegrass weevil (adult), billbugs (adult), black turfgrass ataenius (adult), chinch bugs, mites*, mole crickets	0.6 to 0.9 fl oz/1000 sq ft or 26 to 39 fl oz/Acre or 0.08 to 0.13 lb ai/A	Delay irrigation or mowing for 24 hours after application for optimum control of surface-feeders such as cutworms and webworms. 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 GC 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 in 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.

Landscape, Greenhouse and Nursery Ornamentals

DELTAGARD GC Insecticide provides control of a wide range of insects on landscape and nursery ornamentals. Mix DELTAGARD GC Insecticide with the required amount of water according to the APPLICATION RATES FOR LANDSCAPE ORNAMENTALS Table listed below. 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, greenhouse and nursery ornamentals including trees, shrubs, evergreens and foliage plants	Adelgids Ants Aphids Azalea lace bugs Bagworms Boxelder bugs Cankerworms Cardomom thrips Cockroaches Crickets Elm leaf beetles Elm spanworms European pine sawflies Fall webworms Flea beetles Flies Fungus gnats Grasshoppers Greenstriped mapleworm Gypsy moth (larvae) Imported willow leaf beetles Japanese beetles (adults)* June beetles (adults) Lace bugs Leaf-feeding caterpillars Leafhoppers Leaf rollers Loopers Leaf skeletonizers Mealybugs Midges Mimosa webworms Mites**	4 to 8 fl oz/100 gallons of water	Apply when pests become evident. Thorough coverage is required for best results. Apply with sufficient water to ensure coverage of upper and lower leaf surfaces.

	Orangestriped oakworms Pillbugs Pine shoot beetles Pine tip moths Pinyon spindlegall midges Plant bugs Redhumped caterpillar Red imported fire ants Sawfly larvae Sowbugs Spiders Springtails Spanworms Scale insects (crawlers) Tent caterpillars Ticks Webworms Yellownecked caterpillar		
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*Will provide antifeedent properties on treated ornamentals against Japanese beetles.

**Suppression only.

NOTES:

1. DO NOT apply DELTAGARD GC through any type of irrigation system.
2. DO NOT apply this product as a ULV application.
3. DO NOT apply this product to edible crops.
4. DO NOT apply this product by aerial application.

IMPORTANT: READ BEFORE USE

By using this product, user or buyer accepts the following conditions, warranty, 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 extreme weather conditions and soil conditions, manner of use and other factors beyond AgrEvo Environmental Health's control, it is impossible for AgrEvo Environmental Health 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.

DISCLAIMER OF WARRANTIES: THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, WHICH EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of AgrEvo Environmental Health is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. AgrEvo Environmental Health disclaims any liability whatsoever for incidental or consequential damages, including, but not limited to, liability arising out of breach of contract, express or implied warranty (including warranties of merchantability and fitness for a particular purpose), tort, negligence, strict liability or otherwise.

LIMITATIONS OF LIABILITY: THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT AGREVO ENVIRONMENTAL HEALTH'S ELECTION, THE REPLACEMENT OF PRODUCT.