

279-3216

7/26/2010

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

July 26, 2010

Christopher Davis
FMC Corporation
1735 Market Street
Philadelphia, PA 19103

Subject: Amendment – Adding potting media under quarantine programs
Talstar 0.069 GURR Granular Insecticide with Fertilizer
EPA Reg. No. 279-3216
Your submission dated April 26, 2010

Dear Mr. Davis:

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. Two (2) copies of the finished labeling must be submitted prior to releasing the product for shipment. A stamped copy of the label is enclosed for your records.

1. Replace “eliminate existing colonies” with “controls existing colonies” in the Imported Fire Ants section.
2. In the table under the Application Instructions for Potting Media section, replace “Use the recommended application rates given in the table below ...etc” with “Use the application rates given in the table below ... etc”.
3. Revise the claims listed in Optional Additional Language section as follows:
 - Replace “2 in 1 Formula – Kills Insects and Feeds Turf” with “2 in 1 Formula – Kills listed Insects and Feeds Turf”.
 - Delete “Kills and Prevents Insects For Up To 3 Months”. Note, efficacy data needs to be sited or submitted for review to support 3 months residual claim.

If you have any questions regarding this action, please contact BeWanda Alexander at Alexander.bewanda@epa.gov or (703) 305-7460.

Sincerely,
BeWanda Alexander for
Richard Gebken
Product Manager, Insecticide Branch
Registration Division (7505P)

Enclosure

Talstar 0.069 GURR Granular Insecticide with Fertilizer

For use to control ants (including imported fire ants), mole crickets and other listed pests on lawns in landscaped areas around residential, institutional, public, commercial and industrial buildings, parks, recreational areas and athletic fields. For Use as a Quarantine Treatment against Imported Fire Ants and for Balled and Containerized Nursery Stocks

EPA Reg. No. 279-3216

EPA Est. 279-

Active Ingredient: By Wt.

Bifenthrin*.....0.069%
Other Ingredients.....99.931%
100.0%

*Cis isomers 97% minimum, trans isomers 3% maximum.
U.S. Patent No. 4,238,505

Contains LESCO® Poly Plus® Sulfur Coated Urea to provide uniform growth with extended nitrogen feeding.

Guaranteed Analysis XX-X-XX

Total Nitrogen (N).....XX.XX%
XX.XX% Urea Nitrogen*
Soluble Potash (K₂O).....XX.XX%
Sulfur (S) Total.....XX.XX%
X.XX % Free Sulfur (S)
X.XX % Combined Sulfur (S)
Iron (Fe) Total.....X.XX%
0.001% Soluble Iron (Fe)
Derived From: Poly Coated Sulfur Coated Urea,
Sulfate of Potash, Iron Sulfate.
Chlorine (Cl) Max.....X.XX%
* xx.xx % Slowly Available Urea Nitrogen from
Polymer Coated Sulfur Coated Urea.

FLORIDA APPLICATIONS: For use on golf courses or other athletic turf in FL, we recommend you follow SL191, "Recommendations for N, P, K and Mg for Golf Course and Athletic Field Fertilization Base on Mehlich I Extractant, available on the internet at <http://edis.ifas.ufl.edu/SS404>.

FLORIDA APPLICATIONS: For commercial application to urban turf or lawns in FL, we recommend you follow the Best Management Practices for Protection of Water Resources in Florida, June 2002, Florida Green Industries, available on the internet at http://www.dep.state.fl.us/central/Home/Meetings/Trainings/FLGreen/BMP_Book_final.pdf

FMC
FMC Corporation
Agricultural Products Group
1735 Market Street
Philadelphia PA 19103

Net Weight:

50 lbs. Covers from 7,500 to 15,00 SQ.FT.
XX lbs. Covers from X,XXX to XXXX SQ.FT.

KEEP OUT OF REACH OF CHILDREN CAUTION

See other panels for additional precautionary information.

| FIRST AID | |
|--|---|
| If on skin or clothing | <ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice. |
| HOTLINE NUMBER | |
| Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-(800)-331-3148 for Emergency Assistance. | |
| NOTE TO PHYSICIAN | |
| This product is a pyrethroid. If large amounts have been ingested, milk, cream and other digestible fats and oils may increase absorption and so should be avoided. | |
| For Information Regarding the Use of this Product Call 1-800-321-1FMC (1362). | |

PRECAUTIONARY STATEMENTS Hazards to Humans (and Domestic Animals)

Caution
Harmful if absorbed through skin. Avoid contact with skin, eyes or clothing. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

Environmental Hazards

This pesticide is extremely toxic to fish and aquatic invertebrates. Do not apply when weather conditions favor drift from treated areas. Drift and run-off from treated areas may be hazardous to aquatic organisms in neighboring areas. To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Sweeping any product that lands on a driveway, sidewalk, or street, back onto the treated area of the lawn or garden will help to prevent run off to water bodies or drainage systems.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift.

Apply this product directly to the lawn or garden area. Water treated area as directed on this label. Do not water to the point of run-off. Do not make applications during rain.

Not for use on turf being grown for sale or other commercial use as sod, or for commercial seed production, or for research purposes. Do not apply more than 580 pounds of Talstar® 0.069 GURR Granular Insecticide with Fertilizer per acre per year. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

ACCEPTED
with COMMENTS
In EPA Letter Dated
JUL 26 2010
Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under EPA Reg. No.
279-3216

2/2

STORAGE AND DISPOSAL

Prohibitions

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

Pesticide Storage

Keep out of reach of children and animals. Store in original containers only. Store in a cool, dry place and avoid excess heat. Carefully open containers. After partial use close tightly. In case of spill, avoid contact, isolate area and keep out animals and unprotected persons. Confine spills. Call FMC: (800) 331-3148.

To confine spill: Cover to prevent dispersal. Place damaged package in a holding container. Identify contents.

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

Paper and plastic bags: Non-refillable. Do not reuse or refill this container. Completely empty bag into application equipment. Then offer for recycling, if available, or dispose of empty bag in a sanitary landfill or by incineration, or by burning. Do not burn unless allowed by state or local authorities. If burned, stay out of smoke.

LAWN AND PERIMETER APPLICATIONS

Perimeter Application: Apply to lawn area 6 to 10 feet wide around and adjacent to the structure using an application rate of 3.33 to 6.66 pounds per 1,000 square feet.

Lawn Application: Broadcast Talstar® 0.069 GURR Granular Insecticide with Fertilizer with suitable application equipment to ensure uniform coverage over the treatment area. Apply 3.33 to 6.66 pounds per 1,000 square feet to control the following pests

| | |
|---|-----------------------------------|
| Annual Blugrass Weevils (Hyperodes) (Adult) | Fleas |
| Ants ₂ | Imported Fire Ants _{1,2} |
| Armyworms | Leafhoppers |
| Billbugs (Adult) | Mealybugs |
| Black Turfgrass Ataenius (Adult) | Millipedes ₂ |
| Centipedes ₂ | Mole Crickets ₂ |
| Chich Bugs ₂ | Sod Webworms |
| Cutworms | Ticks ₂ |

Comments

- Imported Fire Ants:** Control will be optimized by combining broadcast applications that will control foraging workers and newly mated fly-in queens with mound treatments (using TalstarOne Multi-Insecticide – EPA Reg. No. 279-3206) that will eliminate existing colonies.
- The higher application rate may be required to control Ants, Centipedes, Chinch Bugs, Fleas, Imported Fire Ants, Millipedes, Mole Crickets & Ticks.

In New York State, this product may NOT be applied to any grass or turf area within 100 feet of a water body (lake, pond, river, stream, wetland, or drainage ditch).

In New York State, do make a single repeat application of Talstar® 0.069 GURR Granular Insecticide with Fertilizer if there are signs of renewed insect activity, but not sooner than two weeks after the first application.

RECOMMENDED SPREADER SETTINGS

Note: Following will be a list of application spreaders and appropriate settings.

The list will vary depending on market of spreaders. (This note will not appear on final printed label).

Note: These spreader settings were established using standard equipment available from the spreader manufacturer at swath widths and speeds typically used within the industry. It is recommended that all spreader equipment be calibrated at the time of application to achieve the desired application rate:

Information regarding the contents and levels of metals in this product is available on the internet at <http://www.wa.gov/agr>.
Information regarding the contents and levels of metals in this product is available on the internet at <http://aanfco.org/metals>.

Information regarding the contents and levels of metals in this product is available on the internet at <http://www.regulatory-iinfo-xx.com>.

ORNAMENTAL USE

(For soil incorporation into potting media used in containerized plantings of ornamental trees, shrubs, plants, flowers, conifers, Christmas trees, and non-bearing fruit and nut trees, and bushes.)

HERB USE

For soil incorporation into potting media used in containerized plantings of the following herbs: Angelica; balm; basil; borage; burnet; camomile; catnip; chervil; chive; chive, chinese; clary; coriander (leaf); costmary; culantro (leaf); curry (leaf); dillweed; horehound; hyssop; lavender; lemongrass; lovage (leaf); marigold; marloram; nasturtium; parsley; pennyroyal; rosemary; rue; sage; savory, summer and winter; sweet bay; tansy; tarragon; thyme; wintergreen; woodruff; and wormwood. Minimum preshipment interval is 70 days for herbs listed above.

Application Instructions for Potting Media: Determine bulk density of the potting media by measuring the dry weight of a unit volume of the mix. Based on the length of control required, thoroughly mix the appropriate quantity of the Talstar® 0.069 GURR Granular Insecticide with Fertilizer with equipment suitable to give uniform distribution in the potting media. Talstar® 0.069 GURR Granular Insecticide with Fertilizer may be pre-mixed with an appropriate amount of sand (1:10) to ensure adequate distribution of the product of the mix.

Talstar Granular insecticide is approved under the USDA Plant Protection Imported Fire Ant Quarantine Certification program when used in accordance with USDA guidelines. Use the recommended application rates given in the table below to determine the length of control required for certification.

| Pest | USDA IFA Certification Period (mo) | App Rate (ppm) | Potting Media Bulk Density* (lbs. Talstar Granular Insecticide Per Cubic Yard) | | | | |
|-------------------|------------------------------------|----------------|--|------|------|------|------|
| | | | 200 | 300 | 400 | 500 | 600 |
| Imported Fire Ant | 0-6 | 10 | 2.9 | 4.3 | 5.8 | 7.25 | 8.7 |
| | 7-12 | 12 | 3.5 | 5.2 | 7.0 | 8.7 | 10.4 |
| | 13-24 | 15 | 4.4 | 6.6 | 8.7 | 10.9 | 13.0 |
| | Continuous | 25 | 7.2 | 10.9 | 14.5 | 18.1 | 21.7 |

Comments: Incorporate appropriate amount of Talstar® 0.069 GURR Granular Insecticide with Fertilizer in one cubic yard of potting media based on the known bulk density.

For General Use On Ornamental Plants outside the scope of USDA guidelines

For Fungus Gnat larvae & Mealybugs use 5 to 10 ppm. For Black Vine Weevil larvae, Root Weevil larvae, White Grubs (including Japanese Beetle, oriental beetle and European chafer larvae) & Imported Fire Ants use 10 to 25 ppm. Use the higher rates for extended residual control.

| Pest | App. Rate (ppm) | Potting Media Bulk Density* (lbs. Talstar® 0.069 GURR Granular Insecticide with Fertilizer Per Cubic Yard) | | | | |
|--------------------|-----------------|--|------|------|------|------|
| | | 200 | 300 | 400 | 500 | 600 |
| Fungus Gnat larvae | 5 | 0.5 | 0.75 | 1.0 | 1.25 | 1.5 |
| Mealybugs | 10 | 2.9 | 4.3 | 5.8 | 7.25 | 8.7 |
| Black Vine Weevil | 10 | 2.9 | 4.3 | 5.8 | 7.25 | 8.7 |
| Root Weevil larvae | 15 | 4.4 | 6.6 | 8.7 | 10.9 | 13.0 |
| White Grubs | 25 | 7.2 | 10.9 | 14.5 | 18.1 | 21.7 |
| Imported Fire Ants | | | | | | |

Comments: Incorporate appropriate amount of Talstar® 0.069 GURR Granular Insecticide with Fertilizer in one cubic yard of potting media based on the known bulk density.

*lbs. of Talstar® 0.069 GURR Granular Insecticide with Fertilizer per cubic yard = $\frac{\text{bulk density of potting media} \times \text{ppm}}{690}$

(bulk density = laboratory determined dry weight of a unit volume of potting media.)

Conditions of Sale and Limitation of Warranty and Liability:

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness, or other unintended

consequences may result because of such factors as manner of use or application, weather or crop conditions beyond the control of FMC or Seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold FMC and Seller harmless for any claims relating to such factors.

Seller warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the Directions for Use when used in accordance with the directions under normal conditions of use. EXCEPT AS WARRANTED BY THIS LABEL, FMC MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE, NOR ANY OTHER EXPRESS OR IMPLIED WARRANTIES WITH RESPECT TO THE SELECTION, PURCHASE, OR USE OF THIS PRODUCT. Any warranties, express or implied, having been made are inapplicable if this product has been used contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to (or beyond the control of) seller or FMC, and buyer assumes the risk of any such use.

To the extent consistent with applicable law, FMC or seller shall not be liable for any incidental, consequential or special damages resulting from the use or handling of this product. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF FMC AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF FMC OR SELLER, THE REPLACEMENT OF THE PRODUCT.

This Conditions of Sale and Limitation of Warranty and Liability may not be amended by any oral or written agreement.

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Optional Additional Language:

- 2 in 1 Formula- Kills Insects and Feeds Turf
- Kills and Prevents Insects³ For Up To 3 Months
- Formulated with Scotts® Poly-S® controlled release fertilizer
- Apply Anytime
- Feeds XXX Sq Ft
- 24-0-8

³As listed under pests controlled heading

2/3