

279-3164

12-14-2011

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

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

December 14, 2011

Jill Holihan
FMC Corporation
1735 Market Street
Philadelphia, PA 19103

Subject: Amendment – Response to Agency’s July 25, 1996 Letter and Revised Formulation
Talstar 0.2 G Lawn Granular Insecticide with Fertilizer
EPA Reg. No. 279-3164
Your submission dated August 8, 2011

Dear Ms. Holihan:

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. On page 3 replace “Talstar 0.2 G Lawn Granular Insecticide with Fertilizer is designed for use as a ready-to-use granular insecticide to control various insects and spiders on lawns” with “Talstar 0.2 G Lawn Granular Insecticide with Fertilizer is designed for use as a ready-to-use granular insecticide to control listed insects and spiders on lawns”.
2. Add appropriate spreader setting to the Directions for Use section.

We have no objection to the use of the revised basic Confidential Statements of Formula (CSF) and alternate formulation (dated August 8, 2011) requested in your letter of the above date. The revised basic CSF is acceptable and will supersede the current basic CSF (dated September 5, 2009) and has been inserted in the file for the subject product.

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

Sincerely,
BeWanda Alexander
Richard Gebken
Product Manager 10
Insecticide Branch
Registration Division (7505P)

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0.2 G LAWN GRANULAR INSECTICIDE with Fertilizer

For Residential Lawn and Nursery Use Only

EPA Reg. No. 279-3164

EPA Est. 279-

ACCEPTED
with COMMENTS
In EPA Letter Dated
DEC 14 2011
Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under EPA Reg. No.
279-3164

Active Ingredient:	By wt.
Bifenthrin: (2-methyl [1,1'-biphenyl] methyl 3-(2-dimethyl-cyclopropanecarboxylate).....	0.2%
Other Ingredients	99.8%

	100.0%

*Cis isomers 97% minimum. trans isomers 3% maximum.

Guaranteed Analysis: XX-XX-XX

Total Nitrogen (N)	XX.XX%
Available Phosphoric Acid (P ₂ O ₅)	X.XX%
Soluble Potash (K ₂ O)	X.XX%
Plant Nutrients Derived From: XXXX	

FLORIDA APPLICATIONS: For use on golf courses or other athletic turf in FL, we recommend you follow SL191, "Recommendations for N, P, K & 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/MeetingsTrainings/FLGreen/BMP_Book_final.pdf.

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://aapfco.org/metals>.

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

KEEP OUT OF REACH OF CHILDREN

CAUTION

[See other panel for additional precautionary information]



FMC Corporation
Agricultural Products Group
1735 Market Street
Philadelphia PA 19103

Net Contents

FIRST AID [ICON]	
If swallowed	• Call poison control center or doctor immediately for treatment advice

	<ul style="list-style-type: none"> • Have person sip a glass of water if able to swallow • Do not induce vomiting unless told to do so by the poison control center or doctor. • Do not give anything by mouth to an unconscious person.
If in eyes	<ul style="list-style-type: none"> • Have eye 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 eye. • 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 the Product Call 1-800-321-1FMC (1362).	

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

Caution

Harmful if swallowed. Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling.

The following Personal Protective Equipment (PPE) requirements apply to commercial nursery use:

Applicators and other handlers must wear:

- Long sleeved shirt and long pants
- Waterproof gloves
- Shoes and socks

User Safety Recommendations:

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.
- Remove PPE immediately after handling product. Wash outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

Environmental Hazards

This pesticide is extremely toxic to fish and aquatic invertebrates. 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.

Not for use on golf courses, sod farms or broadcast use in nurseries.

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 intervals. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours. **Exception: If the product is soil incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.**

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 Standards for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries and greenhouses.

Do not allow people or pets on treated areas until area is watered and allowed to dry.

STORAGE AND DISPOSAL

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

In case of spill, avoid contact, isolate area and keep out animals and unprotected persons. Confine spills. Call FMC: (800) 331-3146.

Pesticide Disposal and Container Handling: Nonrefillable container. Do not reuse or refill this container. If empty: Place in trash or offer for recycling if available.

If partly filled: Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

Talstar 0.2 G Lawn Granular Insecticide with Fertilizer is designed for use as a ready-to-use granular insecticide to control various insects and spiders on lawns. When used as directed, Talstar 0.2 G Lawn Granular Insecticide with Fertilizer provides three months of residual control. Please read the following "Directions for Use" carefully and fully before applying this product.

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.

Surface Feeding Lawn Insects

Use Talstar 0.2 G Lawn Granular Insecticide with Fertilizer for the control of foraging free ants, including Carpenter, Red Harvester, Pavement, Odorous Pyramid, Argentine, Pharoah (Sugar) and Fire Ants*, Armyworms, Centipedes, Chiggers, Chinch Bugs, Crickets, Cutworms, Earwigs, Grasshoppers, Fleas, Millipedes, Scorpions, Sod Webworms (Lawn moth), Sow Bugs, Spiders, Ticks (including Brown Dog ticks) and Weevils (including Hyperodes). Uniformly apply 3 pounds over a 5,000 sq. ft. area of lawn using any hand or power operated gravity or rotary type spreader designed for the application of granular materials. Best results are obtained if the treated area is thoroughly watered immediately after application. Treat when insects first appear.

*aids in control

Mole Crickets

Uniformly apply 3 pounds over a 2,500 sq. ft. area of lawn. For best results: treat in late spring, and water the treated area thoroughly immediately after application.

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 0.2 G Lawn Granular Insecticide with Fertilizer with equipment suitable to give uniform distribution in the potting media. Talstar 0.2 G Lawn 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 0.2 G Lawn Granular Insecticide with Fertilizer 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	1.0	1.5	2.0	2.5	3.0
	7-12	12	1.2	1.8	2.4	3.0	3.6
	13-24	15	1.5	2.3	3.0	3.8	4.5
	Continuous	25	2.5	3.8	5.0	6.3	7.5

Comments: Incorporate appropriate amount of Talstar 0.2 G Lawn 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 0.2 G Lawn Granular Insecticide with Fertilizer Per Cubic Yard)				
		200	300	400	500	600
Fungus Gnat larvae	5	0.5	0.8	1.0	1.3	1.5
Mealybugs	10	1.0	1.5	2.0	2.5	3.0
Black Vine Weevil	10	1.0	1.5	2.0	2.5	3.0
Root Weevil larvae	15	1.5	2.3	3.0	3.8	4.5
White Grubs	25	2.5	3.8	5.0	6.3	7.5
Imported Fire Ants						

Comments: Incorporate appropriate amount of Talstar 0.2 G Lawn Granular Insecticide with Fertilizer in one cubic yard of potting media based on the known bulk density.

*lbs. of Talstar 0.2 G Lawn Granular Insecticide with Fertilizer per cubic yard

$$= \frac{\text{bulk density of potting media} \times \text{ppm}}{2000}$$

2000

(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, to the extent permitted by applicable law, 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. TO THE EXTENT PERMITTED BY APPLICABLE LAW, 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, to the extent permitted by applicable law, buyer assumes the risk of any such use.

To the extent permitted by 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 PERMITTED BY 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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07-27-2011