



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

January 13, 2016

Evan Parenti  
FMC Corporation  
1735 Market Street  
Philadelphia, PA 19103

Subject: Label Amendment – Adding Ornamentals and Herbs to Master Label  
Product Name: TALSTAR 0.096 GL GRANULAR INSECTICIDE WITH  
FERTILIZER  
EPA Registration Number: 279-3201  
Application Date: October 7, 2015  
Decision Number: 510035

Dear Mr. Parenti

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance

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Decision No. 510035

with FIFRA section 6. If you have any questions, please contact Maggie Rudick by phone at 703-347-0257, or via email at [rudick.maggie@epa.gov](mailto:rudick.maggie@epa.gov).

Sincerely,

A handwritten signature in black ink, appearing to be 'KBD', enclosed within a hand-drawn oval.

Kable Bo Davis, Product Manager 3  
Invertebrate and Vertebrate Branch 1  
Registration Division (7505P)  
Office of Pesticide Programs

Enclosure

**ACCEPTED**

01/13/2016

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 279-3201

# Talstar

0.096 GL Granular Insecticide with Fertilizer

Only for use and storage by commercial applicators for use to control Ants (including Fire Ants), Mole Crickets and other listed insect 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

- |                                   |                                     |                                 |                                  |
|-----------------------------------|-------------------------------------|---------------------------------|----------------------------------|
| [icon]<br>Residential<br>Building | [icon]<br>Institutional<br>Building | [icon]<br>Public<br>Building    | [icon]<br>Commercial<br>Building |
| [icon]<br>Industrial<br>Building  | [icon]<br>Parks                     | [icon]<br>Recreational<br>Areas | [icon]<br>Athletic<br>Fields     |

EPA Reg. No. 279-3201      EPA Est. 279-

**Active Ingredient: By Wt.**

Bifenthrin\*.....0.096%  
**Other Ingredients**.....99.904%  
 100.000%

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

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

## KEEP OUT OF REACH OF CHILDREN CAUTION

See other panels for additional precautionary information.

**Guaranteed Analysis XX-X-XX**

**Total Nitrogen (N)**.....XX.XX%  
 X.XX% Ammoniacal Nitrogen  
 XX.XX% Urea Nitrogen\*  
**Available Phosphate (P<sub>2</sub>O<sub>5</sub>)**.....XX.XX%  
**Soluble Potash (K<sub>2</sub>O)**.....XX.XX%  
**Sulfur (S) Total**.....XX.XX%  
 X.XX% Free Sulfur (S)  
 X.XX% Combined Sulfur (S)  
**Iron (Fe) Total**.....X.XX%  
 X.XX% Soluble Iron (Fe)  
**Manganese (Mn) Total**.....X.XX%  
 X.XX% Water Soluble Manganese (Mn)  
**Derived From:** Poly Coated Sulfur Coated Urea,  
 Ammonium Phosphate, Sulfate of Potash, Iron Sulfate,  
 Manganese 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/MeetingsTrainings/FLGreen/BMPBookfinal.pdf>



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

### Net Weight:

50 lbs. Covers from 10,500 to 21,000 SQ.FT.  
XX lbs. Covers from X,XXX to XXXX SQ.FT.

FIRST AID	
<b>If on skin or clothing</b>	<ul style="list-style-type: none"> <li>Take off contaminated clothing.</li> <li>Rinse skin immediately with plenty of water of 15-20 minutes</li> <li>Call a poison control center or doctor for treatment advice</li> </ul>
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 or other digestible fats and oils may increase absorption and so should be avoided.	
<b>For Information Regarding the Use of this Product Call 1-800-321-1FMC (1362)</b>	

## PRECAUTIONARY STATEMENTS

### Hazards to Humans (and Domestic Animals) CAUTION

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

### 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.

Not for use on golf courses, sod farms, or grass grown for seed.

Do not apply more than 420 pounds of Talstar® 0.096 GL Granular Insecticide with Fertilizer per acre per year (0.4 lb ai/acre per year). For residential applications, do not apply more than 210 pounds of product per acre per year (0.2 lb ai/acre per year).

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.

**Resistance:** Some insects are known to develop resistance to products used repeatedly for control. Because the development of

resistance cannot be predicted, the use of this product should conform to resistance management strategies established for the use area. Consult your local or state pest management authorities for details. If resistance to this product develops in your area, this product, or other products with a similar mode of action, may not provide adequate control.

If poor performance cannot be attributed to improper application or extreme weather conditions, a resistant strain of insect may be present. If you experience difficulty with control and suspect that resistance is a reasonable cause, immediately consult your local company representative or pest management advisor for the best alternative method of control for your area.

## LAWN AND PERIMETER APPLICATIONS

**Perimeter Application:** Apply to ground area 6 to 10 feet wide around and adjacent to the structure using an application rate of 4.75 pounds per 1,000 square feet.

**Lawn Application:** Broadcast Talstar® 0.096 GL Granular Insecticide with Fertilizer with suitable application equipment to ensure uniform coverage over the treatment area. Apply 2.4 to 4.8 pounds per 1,000 square feet to control the following pests.

Annual (Hyperodes) (Adults) Ants <sub>3</sub> Armyworms Billbugs (Adults) Black Turfgrass Ataenius (Adults) Centipedes <sub>3</sub> Chinch Bugs <sub>3</sub> Cutworms	Bluegrass	Weevils	Deer Ticks <sub>1</sub> Fleas <sub>3</sub> Imported Fire Ants <sub>2,3</sub> Leafhoppers Mealybugs Millipedes <sub>3</sub> Mole Crickets <sub>3</sub> Sod Webworms Ticks <sub>3</sub>
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### Comments

**1 Deer Ticks** (*Ixodes* sp.) have a complicated life cycle that ranges over a two year period and involves four life stages. Applications should be made in mid to late-spring to control larvae and nymphs that reside in the soil and leaf litter.

**2 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 Talstar Professional Insecticide [Ortho® Max Pro®] – EPA Reg. No. 279-3206) that will control existing colonies.

**3** 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® 0.096 GL Granular Insecticide with Fertilizer if there are signs of renewed insect activity, but not sooner than two weeks after the first 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 0.096 GL Granular Insecticide with Fertilizer with equipment suitable to give uniform distribution in the potting media. Talstar 0.096 GL 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 0.096 GL 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* (lb. Talstar Per Cubic Yard)				
			200	300	400	500	600
Imported Fire Ant	0-6	10	2.1	3.1	4.2	5.2	6.3
	7-12	12	2.5	3.8	5.0	6.3	7.5
	13-24	15	3.1	4.7	6.3	7.8	9.4
	Continuous	25	5.2	7.8	10.4	13.0	15.6

**Comments:** Incorporate appropriate amount of Talstar 0.096 GL 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* (lb. Talstar Per Cubic Yard)				
		200	300	400	500	600
Fungus Gnat larvae	5	1.0	1.6	2.1	2.6	3.1
Mealybugs	10	2.1	3.1	4.2	5.2	6.3
Black Vine Weevil	10	2.1	3.1	4.2	5.2	6.3
Root Weevil larvae	15	3.1	4.7	6.3	7.8	9.4
White Grubs	25	5.2	7.8	10.4	13.0	15.6
Imported Fire Ants						

**Comments:** Incorporate appropriate amount of Talstar 0.096 GL Granular Insecticide with Fertilizer in one cubic yard of potting media based on the known bulk density.

\*lb. of Talstar 0.096 GL Granular Insecticide with Fertilizer per cubic yard  
=  $\frac{\text{bulk density of potting media} \times \text{ppm}}{960}$

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

## 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://aapfco.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>.

## 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.

## 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. TO THE EXTENT CONSISTENT WITH 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 buyer assumes the risk of any such use.**

To the extent allowed by law, FMC or seller shall not be liable for any incidental, consequential or special damages resulting from the use or handling of this product. THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF FMC AND SELLER FOR ANY AND ALL 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:

- [LESCO® Fertilizer Plus Insecticide]