



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

July 27, 2017

Patricia Flis  
FMC Corporation  
2929 Walnut Street  
Philadelphia, PA 19104

Subject: Label Amendment – Revise Fertilizer Language and Ornamental Use Directions  
Product Name: TALSTAR 0.069 GCGU GRANULAR INSECTICIDE  
EPA Registration Number: 279-3212  
Application Date: June 19, 2017  
Decision Number: 530964

Dear Ms. Flis:

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 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 read "Elizabeth Fertich". The signature is written in a cursive, flowing style.

Elizabeth Fertich  
Acting Product Manager 03  
Invertebrate & Vertebrate Branch 1  
Registration Division (7505P)  
Office of Pesticide Programs

Enclosure



**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 pesticide 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.

### 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 agriculture workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticide. 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 Workers Protections Standard.

Do not enter or allow worker entry into treated areas during rge Restricted Entry Interval (REI) or 12 hour. 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 area if there will be no contact with anything that has been treated.

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

- Coveralls
- Chemical-resistant gloves, such as barrier laminate or butyl rubber or nitrile rubber or neoprene rubber or polyvinyl chloride or viton
- Shoes plus socks

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

### 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.

If watering-in of the granules is necessary, do not allow people or pets on treated areas until the grass or soil is dry. Do not touch treated surface until dry.

### LAWN AND PERIMETER APPLICATIONS

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

**Grass Application:** Broadcast Talstar 0.069 GCGU Granular Insecticide with Fertilizer with suitable application equipment to ensure uniform coverage over the treated area. Apply 6.66 pounds per 1,000 square feet to control pests.

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

### Comments

<sup>1</sup>**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 that will eliminate existing colonies.

<sup>2</sup>**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.

**[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 GCGU Granular Insecticide with Fertilizer if there are signs of renewed insect activity, but not sooner than two weeks after the first application.]**

[In Florida: Check with your local Cooperative Extension Agency to obtain specific information on local turf best management practices. Check with your county or city government to determine if there are local regulations for fertilizer use.]

*{Note to reviewer: Phrases enclosed in brackets here and elsewhere are optional and may not appear on the final label. (This note will not appear on final printed label).}*

### 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; chamomile; catnip; chervil; chive; Chinese; clary;; coriander (leaf); costmary; culantro (leaf); curry (leaf); dillweed; horehound; hyssop; lavender; lemongrass; lovage (leaf); marigold; marforam; nasturtium; parsley; pennyroyal; rosemary; rue; sage; savory; summer and winter; sweet bay; tansy; tarragon; thyme; wintergreen; woodruff; and wormwood, minimum pre-shipment interval is 70 days for herbs listed above

### Application Instructions for Potting Media

Determine the 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 GCGU Granular Insecticide with Fertilizer with equipment suitable to give uniform distribution in the potting media. Talstar 0.069 GCGU 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 0.069 GCGU 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 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 0.069 GCGU Granular Insecticide Per Cubic Yard)				
			200	300	400	500	600
Imported Fire Ant	0-6	10	2.9	4.4	5.8	7.25	8.7
	7-12	12	3.5	5.2	7.0	8.7	10.4
	13-24	15	4.4	6.5	8.7	10.9	13.0
	Continuous	25	7.3	10.9	14.5	18.1	21.7

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

### For 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 GCGU Granular Insecticide Per Cubic Yard)				
		200	300	400	500	600
Fungus Gnat larvae	5	1.5	2.2	2.9	3.62	4.3
Mealybugs	10	2.9	4.4	5.8	7.25	8.7
Black Vine Weevil	10	2.9	4.4	5.8	7.25	8.7
Root Weevil larvae	15	4.4	6.5	8.7	10.9	13.0
White Grubs	25	7.3	10.9	14.5	18.1	21.7
Imported Fire Ants						

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

\*lbs. of Talstar 0.069 GCGU Granular Insecticide with Fertilizer per public 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.)

### [RECOMMENDED SPREADER SETTINGS

{Note to reviewer: Following will be a list of application spreaders and appropriate settings. This 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.va.gov/agr>.]

[Information regarding the contents and levels of metals in this product is available on the Internet at <http://www.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>.]

### STORAGE AND DISPOSAL

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 CHEMTREC (Transportation & Spills): (800)-424-9300.

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 responsibly fit for the purpose 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 EXPRESSED OR IMPLIED WARRANTIES WITH RESPECT TO THE SELECTION, PURCHASE, OR USE OF THIS PRODUCT. Any warranties, expressed 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.

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

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