



# TALSTAR<sup>®</sup> 0.069% Plus 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.

Active Ingredient: Bifenthrin\* ..... 0.069%  
Other Ingredients ..... 99.931%  
By Wt. 100.000%

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

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

See other panels for additional precautionary information.

# 0-0-7

## GUARANTEED FERTILIZER ANALYSIS

SOLUBLE POTASH (K<sub>2</sub>O) ..... 7.00%

DERIVED FROM: Muriate of Potash

CHLORINE (Cl) Max ..... 5.25%

Made in U.S.A.

FLORIDA APPLICATIONS: For use on golf courses or other athletic turf in FL, we recommend you follow SL 191, "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/BMPBook\\_Final.pdf](http://www.dep.state.fl.us/central/Home/Meetings/Trainings/FLGreen/BMPBook_Final.pdf)

**50 lbs. Covers from 7,500 to 15,000 SQ.FT. F1612**

### FIRST AID

**If on Skin or clothing**

- 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 PERS at 1-800-633-8253 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: 1-877-220-1014.

### 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.

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% Plus Fertilizer if there are signs of renewed insect activity, but not sooner than two weeks after the first application.

### 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 see production, or for research purposes.

Do not apply more than 580 pounds of Talstar 0.069% Plus Fertilizer per acre per year.

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

### 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 PERS (800) 633-8253.

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% Plus 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 Buggrass Weevils (Hyperodes) (Adult) | Fleas                             |
| Ants <sup>2</sup>                           | Imported Fire Ants <sup>1,2</sup> |
| Armyworms                                   | Leafhoppers                       |
| Billbugs (Adults)                           | Mealybugs                         |
| Black Turfgrass Ataenius (Adults)           | Millipedes <sup>2</sup>           |
| Centipedes <sup>2</sup>                     | Mole Crickets <sup>2</sup>        |
| Chinch Bugs <sup>2</sup>                    | Sod Webworms                      |
| Cutworms                                    | Ticks <sup>2</sup>                |

#### 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 (using Talstar Professional Insecticide – EPA Reg. No. 279-3206) that will control existing colonies.

<sup>2</sup> The higher application rate may be required to control Ants, Centipedes, Chinch Bugs, Fleas, Imported Fire Ants, Millipedes, Mole Crickets & Ticks.

### RECOMMENDED SPREADER SETTINGS

SPREADER TYPE	Recommended Rates lbs. per 1,000 sq ft	
	3.33 lb	6.66 lb
LESCO Rotary Calibration Gauge	#14	#19
Cyclone or Spyker	4	4 3/4

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:

E.P.A. Reg. No. 279-3216-82757  
E.P.A. Est. No. 82757-OH-001 (MF)  
E.P.A. Est. No. 82757-FL-001 (S)  
E.P.A. Est. No. 82757-MA-002 (H)

First letter of lot code indicates manufacturing site.

**Net Weight 50 lbs.  
(22.67 kg)**

Manufactured By:  
Turf Care Supply Corp.  
50 Pearl Road, Suite 200  
Brunswick, OH 44212  
(330)-558-0910  
**PART #: 900386**





# TALSTAR® 0.069% Plus Fertilizer

## 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% Plus Fertilizer with equipment suitable to give uniform distribution in the potting media. Talstar 0.069 Plus 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% Plus Fertilizer is approved under the USDA Plant Protection Imported Fire Any 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% Plus Fertilizer 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% Plus 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% Plus 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% Plus Fertilizer in one cubic yard of potting media based on the known bulk density.

\*lbs. of Talstar 0.069% Plus Fertilizer per cubic yard = bulk density of potting media X ppm / 690

## Conditions of Sale and Limitation of Warranty and Liability:

**NOTICE:** Read the entire Directions for Use and Conditions of Sell 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 must should 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 Turf Care Supply Corp. or Seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold Turf Care Supply Corp. 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 TURF CARE SUPPLY CORP. 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 TURF CARE SUPPLY CORP., and buyer assumes the risk of any such use.**

To the extent allowed by law, Turf Care Supply Corp. 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 TURF CARE SUPPLY CORP. 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 TURF CARE SUPPLY CORP. 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.

## IMPORTANT NOTICE:

### DISCLAIMER AND LIMITATION OF LIABILITY

This product has been researched to provide necessary data to support its uses as listed on the label. However, it is understood that tests may not have been carried out on all varieties and under all growing conditions. The user must always follow label directions and exercise judgment and caution when using this product on a given variety until familiar with the results under their growing conditions.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, NO WARRANTY OR REPRESENTATION IS MADE, EXPRESS OR IMPLIED, CONCERNING THE RESULTS OBTAINED FROM THE USE OF THIS PRODUCT IF NOT USED IN ACCORDANCE WITH DIRECTIONS OR ESTABLISHED SAFE PRACTICE.

To the extent consistent with applicable law, The exclusive remedy of the user or Buyer, and the liability of FMC Corporation or its affiliates, for any and all losses, injuries or damages resulting from the use or handling of this product shall be the purchase price paid by the user or Buyer for the quantity of this product involved. The Buyer and all users are deemed to have accepted the terms of this Notice, which may be varied only by agreement in writing signed by a duly authorized representative of FMC Corporation.

Information concerning the raw materials contained in this product can be obtained by writing to: Turf Care Supply Corp. Attn. EHS Dept./ 50 Pearl Road, Suite 200 / Brunswick, Ohio 44212, referring to the item number found on this bag.

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

TALSTAR is a registered trademark of FMC Corporation.

TCS GrowStar® is a registered trademark of Turf Care Supply Corp.

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