



Talstar 0.096% Plus 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

Active Ingredient:	By Wt.
Bifenthrin*	0.096%
Other Ingredients	99.904%
	100.000%

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

KEEP OUT OF REACH OF CHILDREN CAUTION

See other panels for additional precautionary information

17-0-4 GUARANTEED ANALYSIS

NITROGEN (N) 17.0%
17.0% Urea Nitrogen*

SOLUBLE POTASH (K₂O) 4.0%

DERIVED FROM: Muriate of Potash, Polymer-Coated Sulfur-Coated Urea, Urea

* 5.95% Controlled Released Urea Nitrogen from Polymer-Coated Sulfur-Coated Urea

CHLORINE (Cl) Max 3.0%

F1612

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 information regarding the contents and levels of metals in this product is available on the internet at <http://www.aapfo.org/metals.htm>

FIRST AID

If on skin or clothing	<ul style="list-style-type: none"> Take off contaminated clothing. Rinse skin immediately with plenty of water of 15-20 minutes Call a poison control center or doctor for treatment advice
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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)-633-8253 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.

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 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 TCS GrowStar Talstar 0.096% Plus 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 TCS GrowStar Talstar 0.096% Plus 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 Bluegrass Weevils (Hyperodes) (Adults)	Deer Ticks ₁
Ants ₃	Fleas ₃
Armyworms	Imported Fire Ants _{2,3}
Billbugs (Adults)	Leafhoppers
Black Turfgrass Ataenius (Adults)	Mealybugs
Centipedes ₃	Millipedes ₃
Chinch Bugs ₃	Mole Crickets ₃
Cutworms	Sod Webworms
	Ticks ₃

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 P Professional - EPA Reg. No. 101563-252) 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.

907273
Net Weight 50 (LBS)
(22.67 KG)

Manufactured & Guaranteed by:
Turf Care Supply LLC
50 Pearl Road, Suite 200
Brunswick, OH 44212

EPA Reg. No. 101563-252-82757
EPA Est. No. 82757-FL-001 (S)
EPA Est. No. 82757-MA-002 (H)
EPA Est. No. 82757-OK-001 (CA)
EPA Est. No. 82757-TN-001 (CL)

First letter of lot number indicates manufacturing site.





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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 TCS GrowStar Talstar 0.096% Plus 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 TCS GrowStar Talstar 0.096% Plus Fertilizer with equipment suitable to give uniform distribution in the potting media. TCS GrowStar Talstar 0.096% Plus Fertilizer may be pre-mixed with an appropriate amount of sand (1:10) to ensure adequate distribution of the product of the mix.

TCS GrowStar Talstar 0.096% Plus 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 TCS GrowStar Talstar 0.096% Plus Fertilizer in one cubic yard of potting media based on the known bulk density.

$$\text{Lbs. of Talstar 0.096\% Plus Fertilizer per cubic yard} = \frac{\text{Bulk density of potting media} \times \text{ppm}}{960}$$

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

RECOMMENDED SPREADER SETTINGS

SPREADER	Setting(s) 4.8#/1,000 Sq. Ft.
Cyclone®/Spyke®/Z-Spray	4 ½
Lely®	6II
LESCO (All rotary Models)	#16
Permagreen	16
Vicon	24

Cyclone and Spyke are registered trademarks of Spyker Spreaders LLC. Permagreen is a registered Trademark of PermaGreen Supreme, Inc. LESCO is a registered trademark of LESCO Technologies, LLC.

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.

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.

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 Turf Care Supply LLC or Seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold Turf Care Supply LLC 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 LLC 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 LLC, and buyer assumes the risk of any such use.

To the extent allowed by law, Turf Care Supply LLC 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 LLC 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 LLC OR SELLER, THE REPLACEMENT OF THE PRODUCT.

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TurfCare and TCS GrowStar are registered trademarks of Turf Care Supply LLC.

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TurfCare™
Supply, LLC