



Allectus® 0.225 G PLUS TURF FERTILIZER INSECTICIDE

For fertilization and general insect control in turfgrass areas including athletic fields and parks and residential, commercial, industrial, institutional, and recreational lawns. NOT FOR USE ON GOLF COURSES OR SOD FARMS.

GROUP 3 4A INSECTICIDE

For control of grubs, treats up to 13,613 sq. ft.
 For control of surface feeders, treats up to 27,225 sq. ft.

ACTIVE INGREDIENT:
 Imidacloprid*, 1-[(6-Chloro-3-pyridinyl)methyl]-N-nitro-2-imidazolidinimine 0.125%
 Bifenthrin** 0.100%
OTHER INGREDIENTS 99.775%
 100.00%

*Cis isomers 87% minimum, trans isomers 3% maximum.

30-0-5

GUARANTEED FERTILIZER ANALYSIS

TOTAL NITROGEN (N) 30.0%
 30.0% Urea Nitrogen

SOLUBLE POTASH (K₂O) 5.0%

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

CHLORINE (Cl) Max. 3.8%

* 24.0% Slowly Available Nitrogen From Polymer Coated Urea

***FLORIDA APPLICATIONS:** For use on athletic turf in FL, we recommend you follow SL181, "Recommendations for N, P, K & Mg for Golf Course and Athletic Field Fertilization Based on Mehlich 1 Extractant", available on the internet at <http://edis.ifas.ufl.edu/S2404> or "Best Management Practices for the Enhancement of Environmental Quality on Florida Golf Courses" at <http://www.flas.org/pdf/bmp07.pdf>

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.flas.org/pdf/GMP_Book_Final.pdf

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, OH 44212, referring to the item number found on this bag.

If this product is being sold in a state requiring the publication of information regarding its metal content, information regarding the contents and levels of metals in this product is available at: <http://www.aapico.org/metals.htm> or by calling 1-877-220-1014.

STOP - Read the label before use. KEEP OUT OF REACH OF CHILDREN CAUTION

For MEDICAL and TRANSPORTATION EMERGENCIES ONLY Call, 24 Hours A Day, 1-800-334-7577. For PRODUCT USE Information Call 1-800-331-2867.

First Aid

If on skin

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15 to 20 minutes.
- Call a poison control center or doctor for treatment advice.

If in eyes

- Hold eye open and rinse slowly and gently with water for 15 to 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.

Have the product container or label with you when calling a poison control center or doctor or going for treatment. In case of emergency call toll free the Bayer Environmental Science Emergency Response Telephone No. 1-800-334-7577.

NOTE TO PHYSICIAN: No specific antidote is available. Treat the patient symptomatically. This product contains a pyrethroid. If large amounts have been ingested, milk, cream and other digestible fats and oils may increase absorption and so should be avoided.

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if absorbed through skin. Causes moderate eye irritation. 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 contaminated clothing before reuse.

ENVIRONMENTAL HAZARDS

This product is extremely toxic to fish and aquatic invertebrates. Run-off may be hazardous to aquatic organisms in water adjacent to treated 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.

This product contains a chemical with properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

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. Only protected handlers may be in the area during application. For any requirement specific to your State or Tribe, consult the agency responsible for pesticide regulation.

DO NOT FORMULATE THIS PRODUCT INTO OTHER END-USE PRODUCTS

STORAGE AND DISPOSAL

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

Pesticide Storage: Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food, and feed. Store in original container and out of the reach of children, preferably in a locked storage area.

Handle and open container in a manner as to prevent spillage. If material is spilled for any reason or cause, carefully contain any spilled material to prevent non-target contamination. Do not walk through spilled material and dispose of as directed for pesticides above. Refer to Precautionary Statements on label for hazards associated with the handling of this material. In spill or leak incidents, keep unauthorized people away. You may contact the Bayer Environmental Science Emergency Response Team for decontamination procedures or any other assistance that may be necessary. The Bayer Environmental Science Emergency Response Telephone No. is 1-800-334-7577 or contact Chemtrec at 1-800-424-9300.

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: Non-refillable container. Do not reuse or refill this container. Offer for recycling, if available. Completely empty bag into application equipment. Dispose of empty bag in a sanitary landfill, by incineration, or if allowed by the state and local authorities, by burning. If burned, stay out of smoke.

Application to Turfgrass

The use of this product will provide plant nutrients as well as providing control of selected insect pests. TCS GROWSTAR ALLECTUS® 0.225 G Plus Turf Fertilizer Insecticide can be used for the control of soil inhabiting pests of turfgrass, for example northern and southern masked chafers, Cyclocephala borealis, C. immaculata, and/or C. lurida, Asiatic garden beetle, Maladera castanea, black vine weevil, Otiorhynchus sulcatus, European chafers, Rhizotrogus majalis, green June beetle, Cotinis nitida, May or June beetles, Phyllophaga spp., Japanese beetle, Popillia japonica, oriental beetle, Anomala orientalis, Euethola humilis rugiceps, billbugs, Sphegophorus spp., annual bluegrass weevil, Listronotus maculicollis, black turfgrass stenerius, Ateanus sprutus, Aphodius spp., Crane flies, Tipula spp., frit fly, Oscinella frit, chinch bugs, Bissus spp., fire ants, Solenopsis spp., cutworms, Agrotis ipsilon, Peridroma saucia, Nephelodes menians, armyworms, Spodoptera spp., Pseudaletia spp., sod webworm, Crambus spp., and mole crickets, Sceptericus spp. TCS GROWSTAR ALLECTUS® 0.225 G Plus Turf Fertilizer Insecticide can be used as directed on turfgrass; for example, in home lawns, business and office complexes, shopping complexes, multi-family residential complexes, airports, cemeteries, parks, playgrounds, and athletic fields.

The active ingredients TCS GROWSTAR ALLECTUS® 0.225 G Plus Turf Fertilizer Insecticide have sufficient residual activity so that applications for control of subsurface feeders can be made preceding the egg laying activity. The need for an application for control of subsurface feeders can be based on historical monitoring of the site, previous records or experiences, current season adult trapping or other methods. Optimum control of subsurface feeders will be achieved when applications are made prior to egg hatch of the target pest, followed by sufficient irrigation or rainfall to move the active ingredient through the thatch.

The active ingredients in TCS GROWSTAR ALLECTUS® 0.225 G Plus Turf Fertilizer Insecticide have sufficient knockdown and residual activity to provide remedial and residual control of surface feeding pests. Applications for control of surface feeding pests can be made when infestations are anticipated based on historical monitoring of the site, previous records or experience, current season adult trapping or presence of insects at economic thresholds as determined by scouting and/or recommendations of local State extension personnel or other qualified specialists.

Do not apply more than 200 lb of TCS GROWSTAR ALLECTUS® 0.225 G Plus Turf Fertilizer Insecticide (0.25 lb of imidacloprid, 0.2 lb bifenthrin) per acre per application on residential use sites (i.e., around private homes, apartment buildings, condominiums, non-agricultural outbuildings, non-commercial greenhouses, pre-schools or day care facilities). May be applied at up to 400 lb of TCS GROWSTAR ALLECTUS® 0.225 G Plus Turf Fertilizer Insecticide (0.5 lb of imidacloprid, 0.4 lb bifenthrin) per application on non-residential use sites (i.e., around institutional, public, commercial or industrial buildings, parks, recreational areas or athletic fields).

Do not apply when turfgrass areas are waterlogged or the soil is saturated with water. Adequate distribution of the active ingredient cannot be achieved when these conditions exist. The treated turf must be in such a condition that the rainfall or irrigation will penetrate vertically in the soil profile. Total amount applied cannot exceed 400 lb (0.5 lb of imidacloprid, 0.4 lb of bifenthrin) per acre per year.

NOTE: Not for use in commercial greenhouses or on grass grown for seed or on golf courses and sod farms. For use on plants intended for aesthetic purposes or climatic modification and being grown in interior plantcases, ornamental gardens or parks, or on lawns and grounds.

APPLICATION EQUIPMENT

Apply TCS GROWSTAR ALLECTUS® 0.225 G Plus Turf Fertilizer Insecticide uniformly over the area being treated with normally used granular application equipment. Both drop-type and rotary-type spreaders may be used to apply TCS GROWSTAR ALLECTUS® 0.225 G Plus Turf Fertilizer Insecticide. Avoid the use of spreaders that apply the material in narrow, concentrated bands. Calibrate application equipment prior to use according to the manufacturer's directions. Check frequently to be sure equipment is working properly and distributing granules uniformly and accurately.

Resistance Management

Some insects are known to develop resistance to insecticides after repeated use. As with any insecticide, the use of this product should conform to resistance management strategies established for the use area. TCS GROWSTAR ALLECTUS® 0.225 G Plus Turf Fertilizer contains Group 3 and 4A insecticides. Insect biotypes with acquired or inherent resistance to Group 3 and 4A insecticides may eventually dominate the insect population if Group 3 and 4A insecticides are used repeatedly as the predominant method of control for targeted species.

APPLICATION DOSAGE INFORMATION (Be sure to read "APPLICATION EQUIPMENT" Section of this label)			
CROP	PEST	DOSAGE TCS GROWSTAR ALLECTUS® 0.225 G Plus Turf Fertilizer Insecticide	
TURFGRASS	Larvae of subsurface feeders: Asiatic garden beetle Black turfgrass stenerius Black vine weevil European chafers European crane fly Green June beetle	Japanese beetle Northern masked chafers Oriental beetle Phyllophaga spp. Southern masked chafers	
	Adults and/or larvae of subsurface and surface feeding pests: Centipedes Fleas Millipedes Ticks Imported fire ants Mole crickets	Pilbugs Sowbugs	
	Adults and/or larvae of surface feeders: Annual bluegrass weevil Billbugs Chinch bugs	Frit fly Leafhoppers Mealybugs Nuisance ants	
	Larvae of surface feeders: Armyworm Cutworm	Sod webworms	
			160 to 200 lb per acre (3.7 to 4.6 lb per 1000 sq ft)
			120 to 200 lb per acre (2.8 to 4.6 lb per 1000 sq ft) or for heavy infestations, a single annual application of 320 to 400 lb per acre (7.3 to 9.2 lb per 1000 sq ft) to non-residential turf
			120 to 200 lb per acre (2.8 to 4.6 lb per 1000 sq ft)
			80 to 200 lb per acre (1.8 to 4.6 lb per 1000 sq ft)

Consult your local State Agricultural Experiment Station or State Extension Turf Specialists for more specific information regarding timing of application.

NOTE: For optimum control, irrigate if rainfall does not occur within 24 hours after application to move the active ingredient through the thatch. Do not apply more than 400 lb product (0.5 lb of imidacloprid active ingredient, 0.4 lb bifenthrin) per acre per year. Do not apply more than 200 lb product (0.25 lb imidacloprid, 0.2 lb bifenthrin) per acre per application to residential turf. Avoid mowing turf or lawn area until after irrigation or rainfall has occurred so that uniformity of application will not be affected.

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, make a single repeat application of TCS GROWSTAR ALLECTUS® 0.225 G Plus Turf Fertilizer Insecticide if there are signs of renewed insect activity, but not sooner than two weeks after the first application.

Net Weight 50 lbs. (22.67 kg)

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