



U.S. ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Registration Division (H7505C)  
401 "M" St., S.W.  
Washington, D.C. 20460

EPA Reg. Number:

Date of Issuance:

432-1427

MAY 10 2005

Term of Issuance: Conditional

Name of Pesticide Product:

Allectus 0.225 GC Plus Turf  
Fertilizer Insecticide

NOTICE OF PESTICIDE:

Registration

Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Mr. Richard M. Gorrell  
Bayer Environmental Science  
95 Chestnut Ridge Road  
Montvale, NJ 07645

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A). Once a pesticide is registered, however, it is not regarded as permanently acceptable. Registration does not eliminate the need for continual reassessment of pesticides. If the Agency determines that, at any time, additional data are required to maintain in effect an existing registration, the Agency will require submission of such data under FIFRA section (3)(c)(2)(B).

- 1. Revise the EPA Registration Number to read, "EPA Reg. No. 432-1427"

Signature of Approving Official:

Date:

Dani Daniel  
Insecticide-Rodenticide Branch  
Registration Division (7505C)

MAY 10 2005

Page Two  
432-1427

2. The registrant must submit the results of one year storage stability and corrosion characteristics studies on completion. It is recommended that the measurements be made at 0, 3, 6, 9, and 12 months points.

3. The new analytical method developed to determine the two active ingredients in the proposed product must be submitted the EPA Analytical Laboratory, 701 Mapes Road, Ft. Mead, Maryland 20755-5350.

4. Submit two (2) copies of your final printed labeling before you release the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records. If you have any questions regarding this notice, please contact me at (703) 305-5409.

Enclosure :

**RESTRICTED USE PESTICIDE**

**Due To Toxicity To Fish and Aquatic Organisms**

For retail sale to and use only by Certified Applicators or persons under their direct supervision, and only for those uses covered by the Certified Applicator's certification.

**ALLECTUS 0.225 GC PLUS TURF FERTILIZER Insecticide**

For fertilization and general insect control in turfgrass areas of golf courses and sod farms

**ACTIVE INGREDIENT:**

Imidacloprid\*, 1-[(6-Chloro-3-pyridinyl)methyl]-N-nitro-2-imidazolidinimine ..... 0.125%

Bifenthrin\*\* ..... 0.100%

**OTHER INGREDIENTS:** ..... 99.775%

100.000%

EPA Reg. No. 432-xxxx

EPA Est. No. \_\_\_\_

\* Protected by U.S. Patent No. 4,742,060 & 5,783,203

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

Bifenthrin: U.S. Patent No. 4,238,505

**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**

<b>if on skin</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15 to 20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>if in eyes</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15 to 20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>

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.

ACCEPTED  
with COMMENTS  
In EPA Letter Dated:  
MAY 10 2005  
Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
as amended, for the pesticide  
registered under EPA Reg. No.  
432-1427

## 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, or using tobacco. Remove contaminated clothing before reuse.

#### Personal Protective Equipment (PPE)

Applicators and other handlers must wear:

- Long sleeve shirt and pants
- Shoes plus socks

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

#### User Safety Recommendation:

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

### ENVIRONMENTAL HAZARDS

This product is extremely toxic to fish and aquatic invertebrates. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsate. Run-off may be hazardous to aquatic organisms in water adjacent to treated areas

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.**

#### 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 agricultural workers on farms, forests, nurseries and greenhouses, and handlers of agricultural pesticides. 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 interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is

- Coveralls
- Waterproof gloves
- Shoes plus socks

#### NON-AGRICULTURAL USE REQUIREMENT

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

## 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 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:** 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.

## GENERAL INFORMATION

### APPLICATION TO TURFGRASS

The use of this product will provide plant nutrients as well as providing control of selected insect pests. ALLECTUS 0.225 GC PLUS TURF FERTILIZER can be used for the control of soil inhabiting pests of turfgrass, such as northern and southern masked chafers, *Cyclocephala borealis*, *C. immaculata*, and/or *C. lurida*; Asiatic garden beetle, *Maladera castanea*; black vine weevil, *Otiorhynchus sulcatus*; European chafer, *Rhizotrogus majalis*; green June beetle, *Cotinis nitida*; May or June beetles, *Phyllophaga* spp.; Japanese beetle, *Popillia japonica*; oriental beetle, *Anomala orientalis*; sugarcane grub, *Euethola humulis rugiceps*; billbugs, *Spherophorus* spp.; annual bluegrass weevil, *Hyperodes* spp.; black turfgrass ataenius, *Ataenius spretulus*; *Aphodius* spp.; European crane fly, *Tipula paludosa*; frit fly, *Oscinella frit*; chinch bugs, *Blissus* spp.; fire ants, *Solenopsis* spp.; cutworms, *Agrotis ipsilon*, *Peridroma saucia*, *Nephalodes menians*; armyworms, *Spodoptera* spp., *Pseudaletia* spp.; sod webworm, *Crambus* spp.; and mole crickets, *Scapteriscus* spp. ALLECTUS 0.225 GC PLUS TURF FERTILIZER can be used as directed on turfgrass in sites such as home lawns, business and office complexes, shopping complexes, multi-family residential complexes, airports, cemeteries, parks, playgrounds, and athletic fields.

The active ingredients ALLECTUS 0.225 GC PLUS TURF FERTILIZER 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 ALLECTUS 0.225 GC PLUS TURF FERTILIZER have sufficient knockdown and residual activity to provide curative 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 ALLECTUS 0.225 GC PLUS TURF FERTILIZER (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 ALLECTUS 0.225 GC PLUS TURF FERTILIZER (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).

Applications should not be made 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 plantscapes, ornamental gardens or parks, or on lawns and grounds.

### APPLICATION EQUIPMENT

Apply ALLECTUS 0.225 GC PLUS TURF FERTILIZER uniformly over the area being treated with normally used granular application equipment. Both drop-type and rotary-type spreaders may be used to apply ALLECTUS 0.225 GC PLUS TURF FERTILIZER. 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.

RECOMMENDED APPLICATIONS (Be sure to read "APPLICATION EQUIPMENT" Section of this label)		
TROP	PEST	DOSAGE ALLECTUS 0.225 GC PLUS TURF FERTILIZER
Turfgrasses	<b>Larvae of subsurface feeders:</b> Green June beetle Asiatic garden beetle Black turfgrass ataenius Black vine weevil European chafer European crane fly	160 to 200 lb per acre (3.7 to 4.6 lb per 1000 ft sq)
	<b>Adults and/or larvae of subsurface and surface feeding pests:</b> Centipedes Fleas Millipedes Ticks	120 to 200 lb per acre (2.8 to 4.6 lb per 1000 ft sq) 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)
	<b>Adults and/or larvae of surface feeders:</b> Annual bluegrass weevil Billbugs Chinch bugs	120 to 200 lb per acre (2.8 to 4.6 lb per 1000 ft sq)
	<b>Larvae of surface feeders:</b> Armyworm	80 to 200 lb per acre (1.8 to 4.6 lb per 1000 ft sq)
		Green June beetle Japanese beetle Northern masked chafer Oriental beetle <i>Phyllophaga</i> spp. Southern masked chafer Sugarcane grub Imported fire ants Mole crickets Pillbugs Sowbugs Frit fly Leafhoppers Mealybugs Nuisance ants Cutworm Sod webworms

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

NOTE: For optimum control, irrigation or rainfall should occur within 24 hours after application to move the active ingredient through the thatch. Do not apply more than 400 lb product per acre (0.5 lb of imidacloprid active ingredient, 0.4 lb bifenthrin) per acre per year. Do not apply more than 200 lb product per acre (0.25 lb imidacloprid, 0.2 lb bifenthrin) per application except for mole cricket control. 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 ALLECTUS 0.225 GC PLUS TURF FERTILIZER if there are signs of renewed insect activity, but not sooner than two weeks after the first application.

Imported Fire ants: ALLECTUS 0.225 GC PLUS TURF FERTILIZER may be applied as a broadcast treatment at 4.6 lb. per 1000 sq. ft.

Mole crickets: For maximum effectiveness, apply ALLECTUS 0.225 GC PLUS TURF FERTILIZER as a broadcast treatment at 4.6 lb. per 1000 sq. ft. prior to or during the peak egg hatch period. For application when both adults and/or large nymphs are present and actively tunneling, irrigate prior to application if soil is dry and apply 4.6 lb. per 1000 sq. ft. Rainfall or additional irrigation within 24 hours after application will improve effectiveness of ALLECTUS 0.225 GC PLUS TURF FERTILIZER. For heavily infested mole cricket areas, use a single seasonal application rate of 320 to 400 lb per acre.

**Spreader settings for ALLECTUS 0.225 GC G Plus Turf Fertilizer**

The following chart can be used as a guide in establishing an accurate rate of ALLECTUS 0.225 GC PLUS TURF FERTILIZER. Application rates will vary depending upon speed, equipment wear and condition of spreader. Carefully calibrate application equipment prior to commercial use of this product.

SPREADER	SPEED (mph)	SETTINGS	
		80 lb/A	200 lb/A
Cyclone Way	3		
Earthway 2400 (no information available)			
Gandy Turf Tender 24" (no information available)	3		
Gandy Turf Tender 42" (no information available)	3		
Lely	4.5		
Lesco Broadcast	3		
PSB Prizelawn CBR-III	3		
Scott's Proturf R-8A	3		
Scott's Proturf SR-2000	3		
Scott's Handy Green (obsolete)	3		
Scott's Accupro	3		
Spyker	3		
Vicon Model 402	4.5		

**RESTRICTIONS**

Avoid runoff or puddling of irrigation water following application. Avoid application of ALLECTUS 0.225 GC PLUS TURF FERTILIZER to areas which are waterlogged or saturated, which will not allow penetration into the root zone of the plant. Do not apply more than 400 lb of imidacloprid and 0.4 lb of bifenthrin per acre per year.

Treated areas may be replanted with any crop specified on an imidacloprid and a bifenthrin label, or with any crop for which a tolerance exists for the two active ingredients.

For crops not listed on any imidacloprid and a bifenthrin label, or for crops for which no tolerances for the active ingredients have been established, a 12-month plant-back interval should be observed.

Do not apply by air.

Not for use in nurseries or commercial greenhouses.

8/8

## **IMPORTANT: READ BEFORE USE**

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of liability before using this product.

If terms are not acceptable, return the unopened product container at once. By using this product, user or buyer accepts the following conditions, disclaimer of warranties and limitations of liability.

**CONDITIONS:** The directions for use of this product are believed to be adequate and should be followed carefully. However, because of manner of use and other factors beyond Bayer Environmental Science's control it is impossible for Bayer Environmental Science to eliminate all risks associated with the use of this product. As a result, crop injury or ineffectiveness is always possible. All such risks shall be assumed by the user or buyer.

**DISCLAIMER OF WARRANTIES:** BAYER ENVIRONMENTAL SCIENCE MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of Bayer Environmental Science is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. Bayer Environmental Science disclaims any liability whatsoever for special, incidental or consequential damages, resulting from the use or handling of this product.

**LIMITATIONS OF LIABILITY:** THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT BAYER ENVIRONMENTAL SCIENCE'S ELECTION, THE REPLACEMENT OF PRODUCT.

This Product contains imidacloprid, and it is specially formulated and sold under license from Bayer only for the uses set forth on this label. This active ingredient contained in this product, formulations containing this active ingredient, and/or methods of making or using this active ingredient or its formulations may be the subject of one or more Bayer patents, including but not limited to U.S. Patent No. 4,742,060 and 5,783,203. The purchase and/or use of this product constitutes acceptance of a limited license to use this product only in strict accordance with the instructions set forth on this label. Any use of this product other than as expressly set forth on this label is prohibited and is not licensed through the purchase and/or use of this product and may result in the infringement of one or more Bayer patents and/or other intellectual property rights.

©Bayer AG, 2004

**Bayer Environmental Science**  
**A Business Group of Bayer CropScience LP**  
**95 Chestnut Ridge Road**  
**Montvale, NJ 07645**

.LLECTUS 0.225 GC PLUS TURF FERTILIZER RMG Master Label EPA Revised 3-2-05