

432-1418

11/15/2005

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Please read instructions on reverse before completing form.

Form Approved. OMB No. 2070-0080. Approval expires 2-28-95



United States  
Environmental Protection Agency  
Washington, DC 20460

Registration  
 Amendment  
 Other

OPP Identifier Number

## Application for Pesticide - Section I

1. Company/Product Number 432-1418	2. EPA Product Manager Dan Kenny	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Allectus 0.18 G Plus Turf Fertilizer Insecticide	PM# 1	
5. Name and Address of Applicant (Include ZIP Code) Bayer Environmental Science 95 Chestnut Ridge Road Montvale, NJ 07645 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3)(b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

## Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

NOTIFICATION

NOV 15 2005

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

- Addition of Marketing Claim

This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under Sections 12 and 14 of FIFRA.

## Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Metal	<input type="checkbox"/> Plastic
* Certification must be submitted		If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt.	No. per container
				<input type="checkbox"/> Glass	<input type="checkbox"/> Paper
				<input type="checkbox"/> Other (Specify) _____	
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/>	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled		<input type="checkbox"/> Other _____			

## Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Norma C. Pangilinan	Title Manager, Registrations	Telephone No. (Include Area Code) 919-549-2429
<b>Certification</b> I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received <b>(Stamped)</b>
2. Signature 	3. Title Manager, Registrations	
4. Typed Name Norma C. Pangilinan	5. Date October 28, 2005	

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NOTIFICATION

NOV 15 2005

# ALLECTUS™ 0.18 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.

For control of grubs, treats up to \_\_\_\_\_ sq. ft.

For control of surface feeders, treats up to \_\_\_\_\_ sq. ft.

### ACTIVE INGREDIENT:

Imidacloprid*, 1-[(6-Chloro-3-pyridinyl)methyl]-N-nitro-2-imidazolidinimine.....	0.1%
Bifenthrin** .....	0.08%

OTHER INGREDIENTS: .....	99.82%
	100.00%

EPA Reg. No. 432-1418

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

\* This product is covered by one or more of the following patents: U.S. Patent Nos. 4,742,060, 5,783,203, and 6,264,968. Other patents pending

\*\* 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

Net Content/Net Weight 50 Lbs. (22.68 Kg.) [For control of grubs, treats up to 13,600 sq ft.

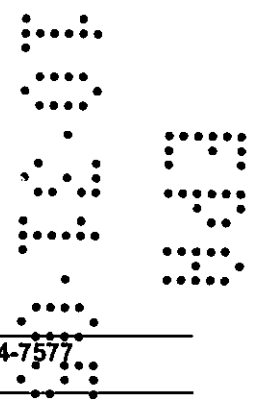
For control of surface feeders, treats up to 27,700 sq ft]

Net Content/Net Weight 20 Lbs. (9.07 Kg.) [For control of grubs, treats up to 5,440 sq. ft.

For control of surface feeders, treats up to 11,080 sq. ft.]

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

## 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.**

### 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 0.18 G 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, *Otiorhyncus sulcatus*, European chafer, *Rhizotrogus majalis*; green June beetle, *Cotinis nitida*; May or June beetles, *Phyllophaga* spp.; Japanese beetle, *Popillia japonica*; oriental beetle, *Anomala orientalis*; *Euethola humulis rugiceps*; billbugs, *Sphenophorus* 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 0.18 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 0.18 G 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 0.18 G 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 250 lb. of ALLECTUS 0.18 G 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 500 lb. of ALLECTUS 0.18 G 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 a total of 500 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 landscapes, ornamental gardens or parks, or on lawns and grounds.

**APPLICATION EQUIPMENT**

Apply ALLECTUS 0.18 G 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 0.18 G 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)		
CROP	PEST	DOSAGE ALLECTUS 0.18 G
Turfgrasses	<b>Larvae of subsurface feeders:</b> Green June beetle Asiatic garden beetle Japanese beetle Black turfgrass ataenius Northern masked chafer Black vine weevil Oriental beetle European chafer <i>Phyllophaga</i> spp. European crane fly Southern masked chafer	200 to 250 lb per acre (4.6 to 5.7 lb per 1000 ft sq)
	<b>Adults and/or larvae of subsurface and surface feeding pests:</b> Centipedes Fleas Millipedes Ticks <i>Imported fire ants</i> <sup>1</sup> Mole crickets <sup>2</sup> Pillbugs <sup>3</sup> Sowbugs <sup>3</sup>	150 to 250 lb per acre (3.4 to 5.7 lb per 1000 ft sq) or for heavy infestations, a single annual application of 400 to 500 lb per acre (9.2 to 11.4 lb per 1000 sq ft) to non-residential turf
	<b>Adults and/or larvae of surface feeders:</b> Annual bluegrass weevil Leafhoppers Billbugs Mealybugs Chinch bugs Nuisance ants	150 to 250 lb per acre (3.4 to 5.7 lb per 1000 ft sq)
	<b>Larvae of surface feeders:</b> Armyworm Cutworm Sod webworms	100 to 250 lb per acre (2.3 to 5.7 lb per 1000 ft sq)

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 500 lb product (0.5 lb of imidacloprid active ingredient, 0.4 lb bifenthrin) per acre per year. Do not apply more than 250 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, do make a single repeat application of ALLECTUS 0.18 G Plus Turf Fertilizer if there are signs of renewed insect activity, but not sooner than two weeks after the first application.

<sup>1</sup> Imported Fire ants: ALLECTUS 0.18 G Plus Turf Fertilizer may be applied as a broadcast treatment in non-residential turf areas up to 11.4 lb. per 1000 sq. ft. For mound treatment, apply 1 cup ALLECTUS 0.18 G Plus Turf Fertilizer per mound and then drenching the mound with 1 to 2 gallons of water. The mounds should be treated with sufficient force to break their apex and allow the insecticide to flow into the ant tunnels.

<sup>2</sup> Mole crickets: For maximum effectiveness, apply ALLECTUS 0.18 G Plus Turf Fertilizer as a broadcast treatment at 5.7 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 5.7 lb. per 1000 sq. ft. Rainfall or additional irrigation within 24 hours after application will improve effectiveness of ALLECTUS 0.18 G Plus Turf Fertilizer. For heavily infested mole cricket areas, use a single seasonal application rate of 400 to 500 lb per acre to non-residential turf.

<sup>3</sup> Pillbugs and sowbugs: For heavy infestation use 500 lbs per acre (11.4 lbs per 1000 sq. ft.) of ALLECTUS 0.18 G Plus Turf Fertilizer in non-residential turf.

**Spreader settings for ALLECTUS 0.18 G Plus Turf Fertilizer**

The following chart can be used as a guide in establishing an accurate rate of ALLECTUS 0.18 G 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	
		100 lb/A	250 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 0.18 G 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 500 lb (0.5 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.

**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, 5,783,203 and 6,264,968 . 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.

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**Bayer Environmental Science  
A Business Group of Bayer CropScience LP  
2 T.W. Alexander Drive  
Research Triangle Park, NC 27709**

**Allectus 0.15 G Plus Turf Fertilizer (MASTER) Approved 06/29/05, Notification 09/29/05, Notification 10/28/05**

# Bayer Environmental Science



Document Processing Desk (NOTIF)  
Office of Pesticide Programs (7504C)  
U.S. Environmental Protection Agency  
1801 Bell Street  
Arlington, VA 22202

Attn: Ms. Sherida Hobgood

**Subject: Label Notification – Marketing Claim**  
- Allectus 0.18 G Plus Turf Fertilizer; EPA Reg. No. 432-1418  
- Allectus 0.18 GC Plus Turf Fertilizer; EPA Reg. No. 432-1426

October 28, 2005

Dear Ms. Hobgood:

Bayer Environmental Science  
2 T.W. Alexander Drive  
Research Triangle Park  
NC 27709

This notification is being submitted pursuant to PR Notice 98-10. The revision to the label includes addition of the Marketing Claim:

"For control of grubs, treats up to \_\_\_\_\_ sq. ft.  
For control of surface feeders, treats up to \_\_\_\_\_ sq. ft."

Net Wt. 50 Lbs. (22.68 Kg.) [For control of grubs, treats up to 13,600 sq. ft.  
For control of surface feeders, treats up to 27,700 sq. ft.]  
Net Wt. 20 Lbs. (9.07 Kg.) [For control of grubs, treats up to 5,440 sq. ft.  
For control of surface feeders, treats up to 11,080 sq. ft.]

The following documents are enclosed in support of this notification:

1. Completed EPA Form 8570-1
2. Five copies of the revised product label plus one highlighted copy tracking revision to label to facilitate review

This notification is consistent with the provisions of PR Notice 98-10 and EPA Regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec.1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under Section 12 and 14 of FIFRA.

A Business Group of  
Bayer CropScience

Page 2 of 2

Please do not hesitate to call (919-549-2428), fax (919-549-3937) or e-mail me ([norma.pangilinan@bayercropscience.com](mailto:norma.pangilinan@bayercropscience.com)), if you have any questions.

Thank you very much for your assistance in this matter.

Sincerely,

BAYER ENVIRONMENTAL SCIENCE  
A Business Group of Bayer CropScience



NORMA C. PANGILINAN, Ph.D,  
Registrations Manager

cc: Reg. Book w/ attachments  
K. Shearer