

42750-161

12/22/2006

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U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (7505C)
1200 Pennsylvania Ave., N.W.
Washington, D.C. 20460

EPA Reg. Number:
42750-161

Date of Issuance:
DEC 22 2006

NOTICE OF PESTICIDE:

Registration
 Reregistration

(under FIFRA, as amended)

Term of Issuance:
Conditional

Name of Pesticide Product:
Imid-Bifen 0.36 GC

Name and Address of Registrant (include ZIP Code):

Mr. Morris Gaskins
Albaugh, Inc.
P.O. Box 2127
Valdosta, GA 31604

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 section 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product when the Agency requires all registrants of similar products to submit such data.
2. Within eighteen months from the date of this letter, submit the product chemistry data pertaining to the product's storage stability (830.6317) and corrosion characteristics (830.6320).
3. Make the following label changes before you release the product for shipment:
 - a. Revise the EPA Registration Number to read, "EPA Reg. No. 42750-161".

Signature of Approving Official:

Venus Eagle

Venus Eagle, Acting Product Manager (01)
Insecticide-Rodenticide Branch, Registration Division (7505C)

Date:

DEC 22 2006

- b. On page 1, in the first sentence, delete "...fertilization and" so that the sentence will now read, "For general insect control in turfgrass....".
- c. Revise the first aid statements as follows:
- Add, "Do not give anything by mouth to an unconscious person." as the fourth bullet under the "If swallowed" category.
 - Add, "Call a poison control center or doctor for treatment advice" as the last bullet under the "If in eyes" category.
- d. Revise the hazards to humans and domestic animal statements by adding, "...and wash..." to the last statement. The sentence would then read, "Remove and wash contaminated clothing before reuse."
- e. Revise the Personal Protective Equipment (PPE) to read as follows:
Applicators and other handlers must wear:
- Long sleeved shirt and long pants.
 - Chemical-resistant gloves made of any waterproof material such as barrier laminate, butyl rubber nitrile, neoprene rubber, natural rubber, polyethylene, polyvinylchloride (PVC) or vitron.
 - Shoes plus socks.
- f. On page 4, under application to turfgrass:
- Revise the first sentence by deleting "...plant nutrients as well as providing..." . The sentence would then read as follows: "The use of this product will provide control of selected insect pests."
 - Correct the scientific name for annual bluegrass weevil from "Hyperodes spp." to "Listronotus Maculicollis".
- g. On page 5 and 6, revise "Recommended Applications" to include footnotes that address all of the listed pest application information on EPA Reg. No. 432-1416, specifically:
- Annual Bluegrass Weevil , adults
 - Annual Bluegrass Weevil. larvae
 - Armyworms, Cutworms and Sod Webworms
 - Billbug adults
 - Chinch Bugs
 - Imported fire Ants
 - Ticks (including ticks that may transmit Lyme disease and Rocky Mountain spotted fever)
 - Additionally, revise footnote 2 - Mole Crickets into adults and nymphs application information consistent with EPA Reg. No. 432-1416.
- h. On page 6, ensure that the spreader setting chart is filled out correctly and completely.

Page 3
EPA Reg. No. 42750-161

- i. On page 7, under "Restrictions", add the following restriction:
"Do not apply within 25 feet of lakes, reservoirs, rivers, permanent streams, marshes or natural ponds, estuaries, and commercial fish farm ponds.
 - j. On page 7, under "Important: Read Before Use", correct your warranty statements as follows:
 - Under Conditions: In the first sentence, replace the word "should" with "must".
 - Under Disclaimer of Warranties: Begin the first and third sentence with the phrase, "To the extent consistent with applicable law, Albaugh".
 - Under Limitations of Liability: Begin the first sentence with the phrase, "To the extent consistent with applicable law, the exclusive...."
4. Submit one copy of the revised final printed label for the record 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 section 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.

Venus Eagle
Acting Product Manager (01)
Insecticide-Rodenticide Branch
Registration Division (7505C)

Enclosure

4/10

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.

IMID-BIFEN 0.36 GC
Insecticide

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

Do Not Use This Product On Golf Courses And Sod Farms In Nassau County Or Suffolk County, New York

ACTIVE INGREDIENT:	
Imidacloprid, 1-[(6-Chloro-3-pyridinyl)methyl]-N-nitro-2-imidazolidinimine	0.20%
Bifenthrin*	0.16%
OTHER INGREDIENTS:	99.64%
TOTAL:	100.00%

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

STOP - Read the label before use.

KEEP OUT OF REACH OF CHILDREN.

CAUTION

FIRST AID	
IF SWALLOWED	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by a poison control center.
IF ON SKIN	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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.
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 CHEMTREC toll free at 1-800-424-9300.	
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.	

EPA Reg. No. 42750-xxx

EPA Est. No. xxxxxx-xx-xxx

Net Weight: 50 Lbs.

ACCEPTED
with COMMENTS
in EPA Letter Dated: 12-22-06

Manufactured For:
Albaugh, Inc.
Ankeny, IA 50021

**Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
As amended, for the pesticide
Registered under EPA Reg. No.
42750-161**

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Harmful if swallowed or 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:

1. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
2. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
3. 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

1. Coveralls
2. Chemical resistant gloves made of any waterproof material such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, natural rubber, polyethylene, polyvinylchloride (PVC) or viton.
3. 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.

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. IMID-BIFEN 0.36 GC can be used for the control of the following soil inhabiting pests of turfgrass:

COMMON NAME	SCIENTIFIC NAME
Northern and Southern masked chafers	<i>Cyclocephala borealis</i> , <i>C. immaculate</i> , and/or <i>C. lurida</i>
Asiatic garden beetle	<i>Maladera castanea</i>
black vine weevil	<i>Otiorhyncus sulcatus</i>
European chafer	<i>Rhizotroqus majalis</i>
green June beetle	<i>Cotinis nitida</i>
May or June beetles	<i>Phyllophaga spp.</i>
Japanese beetle	<i>Popillia japonica</i>
oriental beetle	<i>Anomala orientalis</i> , <i>Euethela</i> , <i>humulis rugiceps</i>
billbugs	<i>Sphenophorus spp.</i>
annual bluegrass weevil	<i>Hyperodes spp.</i>
black turfgrass ataenius	<i>Ataenius spretulus</i> ; <i>Aphodius spp.</i>
European crane fly	<i>Tipula paludosa</i>
frit fly	<i>Oscinella frit</i>
chinch bugs	<i>Blissus spp.</i>
fire ants	<i>Solenopsis spp.</i>
cutworms	<i>Agrotis ipsilon</i> , <i>Peridroma saucia</i> , <i>Nephalodes menians</i>
armyworms	<i>Spodoptera spp.</i> , <i>Pseudaletia spp.</i>
sod webworm	<i>Crambus spp.</i>
mole crickets	<i>Scapteriscus spp.</i>

IMID-BIFEN 0.36 GC can be used as directed on turfgrass on golf courses and sod farms.

The active ingredients IMID-BIFEN 0.36 GC 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 IMID-BIFEN 0.36 GC 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.

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 250 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.

APPLICATION EQUIPMENT

Apply IMID-BIFEN 0.36 GC uniformly over the area being treated with normally used granular application equipment. Both drop-type and rotary-type spreaders may be used to apply IMID-BIFEN 0.36 GC. 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 IMID-BIFEN 0.36 GC
Turfgrasses	Larvae of subsurface feeders: Asiatic garden beetle Black turfgrass ataenius Black vine weevil European chafer European crane fly Green June beetle Japanese beetle Northern masked chafer Oriental beetle <i>Phyllophaga spp.</i> Southern masked chafer	100 to 125 lb per acre (2.3 to 2.9 lb per 1,000 ft sq)
	Adults and/or larvae of subsurface and surface feeding pests: Centipedes Fleas Millipedes Ticks Imported fire ants ¹ Mole crickets ² Pillbugs ³ Sowbugs ³	75 to 125 lb per acre (1.7 to 2.9 lb per 1,000 ft sq) or for heavy infestations, a single annual application of 200 to 250 lb per acre (4.6 to 5.7 lb per 1000 sq ft)
	Adults and/or larvae of surface feeders: Annual bluegrass weevil Billbugs Chinch bugs Frit fly Leafhoppers Mealybugs Nuisance ants	75 to 125 lb per acre (1.7 to 2.9 lb per 1,000 ft sq)
	Larvae of surface feeders: Armyworm Cutworm Sod webworms	50 to 125 lb per acre (1.1 to 2.9 lb per 1,000 ft sq)

¹Imported Fire ants: IMID-BIFEN 0.36 GC may be applied as a broadcast treatment up to 5.7 lb. per 1,000 sq. ft. and/or as a mound treatment by applying 1/2 cup of IMID-BIFEN 0.36 GC 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.

²Mole crickets: For maximum effectiveness, apply IMID-BIFEN 0.36 GC as a broadcast treatment at 2.9 lb. per 1,000 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 2.9 lb. per 1,000 sq. ft. Rainfall or additional irrigation within 24 hours after application will improve effectiveness of IMID-BIFEN 0.36 GC. For heavily infested mole cricket areas, use a single seasonal application rate of 200 to 250 lb. per acre.

³Pillbugs and sowbugs: For heavy infestation use 250 lbs per acre (5.7 lbs per 1,000 sq. ft.) of IMID-BIFEN 0.36 GC.

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 250 lb product per acre (0.5 lb of imidacloprid active ingredient, 0.4 lb bifenthrin) per acre per year. 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 IMID-BIFEN 0.36 GC if there are signs of renewed insect activity, but not sooner than two weeks after the first application.

SPREADER SETTINGS FOR IMID-BIFEN 0.36 GC

The following chart can be used as a guide in establishing an accurate rate of IMID-BIFEN 0.36 GC. 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	
		120 lb/A	300 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		

SPREADER	SPEED (mph)	SETTINGS	
		120 lb/A	300 lb/A
Spyker	3		
Vicon Model 402	4.5		

RESTRICTIONS

- Avoid runoff or puddling of irrigation water following application.
- Avoid application of IMID-BIFEN 0.36 GC to areas which are waterlogged or saturated, which will not allow penetration into the root zone of the plant.
- Do not apply more than 250 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 Albaugh's control it is impossible for Albaugh 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: ALBAUGH 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 Albaugh is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. Albaugh disclaims any liability whatsoever for special, incidental or consequential damages, resulting from the use or handling of this product.

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