

10/6/2009

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF PREVENTION, PESTICIDES AND TOXIC SUBSTANCES

OCT - 6 2009

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

Dear Mr. Gaskins:

Subject: Application for Pesticide Notification (PRN 98-10)

Comply with Agency pyrethroid labeling letter dated June 4, 2009

IMID-BIFEN 0.36 GC EPA Reg. No. 42750-161

Your submission dated June 29, 2009

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 dated June 29, 2009 for the above product. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds the action requested falls within the scope of PRN 98-10. The label submitted with the application has been stamped "Notification" and will be placed in our records.

Sincerely,

Dana R. Pilitt

Richard Gebken

Product Manager 10

Insecticide Branch

Registration Division (7505P)

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Please read instructions on	reverse before compi.	, 1 form.			Form App	proved	B No.	2070-008	O. Approval expires 2-28-95
≎EPA	Environmenta	United States I Protection Ington, DC 20	_	ncy	•	✓	Registr Amend Other		OPP Identifier Number
		Application	on for F	Pesticid	le - Sect	tion	l		·
1. Company/Product Number 42750-161		EPA Product Manager V. Eagle		3. Proposed Classification ✓ None Restricted					
4. Company/Product (Name IMID-BIFEN 0.36G GC				PM# 1					
5. Name and Address of Ap Albaugh Inc. P.O. Box 2127		ode)		(b)(i), m to:	y product i	is sim		itical in co	FIFRA Section 3(c)(3) emposition and labeling
Valdosta, GA 31604	-2127 s is a new address				t Name _			,	
			Sec	tion - II					
Amendment - Explain Resubmission in resp Notification - Explain	onse to Agency letter	r dated		- [<u>·</u>	Final printed Agency lett "Me Too" # Other - Expl	er dat Applica	ation.	se to	
Notification of label change pletter and the requirements of Formula for this product. I uramended label is not consist action and penalties under s	of EPA's regulations at a inderstand that it is a vio ent with the requiremen	40 CFR part 15 lation of 18 U.S nts of 40 CFR p	6. No other S.C. Sec. 10 art 156, thi	changes h 001 to willfu s product n	nave been m ully make any nay be in vio	ade to y false	the labeling statement to	or the Cont EPA. I furt	fidential Statement of the
		· · ·	Sect	ion - III	<u> </u>				
1. Material This Product Wil	T		T		·		T		
Child-Resistant Packaging Yes No	Unit Packaging Yes ✓ No If "Yes"	No. per	Water :	Soluble Pa Yes No	okaging No. per		2. Type o	f Container Metal Plastic Glass Paper	,
* Certification must be submitted	Unit Packaging wgt	. container	Packag		containe	7			Specify)
3. Location of Net Contents	Information Container	4. Size(s) Re	tail Contair 25			5. Lo	ocation of La		ons to container
6. Manner in Which Label is	Affixed to Product	Lithoc Paper Stenc	raph glued iled		Other	·			
			Sect	ion - IV	1				
1. Contact Point (Complete	items directly below	for identification	on of indivi	dual to be	contacted,	if nec	essary, to p	rocess this	s application.)
Name Morris Gaskins			Title Registra	tions Mar	ager			Telephon 229-244-	e No. (Include Area Code)
I certify that the state I acknowledge that ar both under applicable	y knowlinglly false or		all attach				ှိ urate and c		6. Date Application Received (Stamped)
2. Signature	ng / dr	lo	3. Title Registrat	ions Mana	ger			(((((((((((((((((((, cccc
4. Typed Name Morris Gaskins			5. Date	June	e 29, 200	09			(((((((((((((((((((
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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 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	 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. Do not give anything by mouth to an unconscious person.
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 1 5 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.
	uct container or label with you when calling a poison control center or doctor or going for case of emergency call CHEMTREC toll free at 1-800-424-9300.
,	cian: No specific antidote is available. Treat the patient symptomatically. This product

EPA Reg. No. 42750-161

Net Weight: 50 Lbs.

Manufactured For: Albaugh, Inc. Ankeny, IA 50021

OCT - 6 2009

NOTIFICATION

oils may increase absorption and so should be avoided.

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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 and wash contaminated clothing before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long sleeve 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

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. 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. 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. $^{\circ}_{\circ}$

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.

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.

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 or site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Completely empty bag into application equipment. Dispose ເຮົາ empty bag into application equipment. Dispose ເຮົາ empty bag in a sanitary landfill, by incineration, or if allowed by the state and local authorities, by buັກຸກຸກັ້ນ. If burned, stay out of smoke.

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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)

(Be sure to read "APPLICATION EQUIPMENT" Section of this label)				
CROP	PEST	DOSAGE		
		IMID-BIFEN 0.36 GC		
Turfgrasses	Larvae of subsurface feeders:	100 to 125 lb per acre		
	Asiatic garden beetle Black turfgrass ataenius Black vine weevil European chafer European crane fly Green June beetle Japanese beetle Northern masked chafer Oriental beetle Phyllophaga spp. Southern masked chafer	(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 ¹⁰ Imported fire ants ⁶ Mole crickets ^{7,8} Pillbugs ⁹	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)		
	Sowbugs ⁹ Adults and/or larvae of surface feeders: Annual bluegrass weevil ^{1,2} Billbugs ⁴ Chinch bugs ⁵ Frit fly Leafhoppers Mealybugs Nuisance ants	75 to 125 lb per acre (1.7 to 2.9 lb per 1,000 ft sq) **		

GENERAL INFORMATION

APPLICATION TO TURFGRASS

The use of this product will provide 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	Cyclocephala borealis., C. immaculate, and/or C. lurida
Asiatic garden beetle	Maladera castanea
black vine weevil	Otiorhyncus sulcatus
European chafer	Rhizotroqus majalis
green June beetle	Cotinis nitida
May or June beetles	Phyllophaga spp.
Japanese beetle	Popillia japonica
oriental beetle	Anomala orientalis, Euetheola, humulis rugiceps
bilibugs	Sphenophorus spp.
annual bluegrass weevil	Listronostus Maculicollis
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.
mole crickets	Scapteriscus spp.

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.



Larvae of surface feeders:	50 to 125 lb per acre
Armyworm ³	(1.1 to 2.9 lb per 1,000 ft sq)
Cutworm ³	
Sod webworms ³	

¹Annual Bluegrass Weevil, adults: Applications should be timed to control adult weevils as they leave their overwintering sites and move into grass areas. This movement generally begins when Forsythia is in full bloom and concludes when flowering dogwood (Cornus florida) is in full bloom. Consult your State Cooperative Extension Service for more specific information regarding application timing.

²Annual Bluegrass Weevil, larvae: For best results, applications should be made at the first sign of wilting of bluegrass. For the first generation, this wilting often occurs after full bloom of flowering dogwood (Cornus florida).

³Armyworms, Cutworms and Sod Webworms: If the grass is being maintained at a mowing height of greater than 1 inch, then higher application rates (up to 2.9 lb per 1000 sq ft) may be required during periods of high pest pressure.

⁴Billbug, adults: Applications should be made when adult billbugs are first observed during April and May. Degree day models have been developed to optimize application timing. Consult your State Cooperative Extension Service for information specific to your region. In temperate regions, spring applications targeting billbug adults will also provide control of over-wintered chinch bugs.

⁵Chinch Bugs: Chinch bugs infest the base of grass plants and are often found in the thatch layer. Irrigation of the grass area before treatment will optimize the penetration of the insecticide to the area where the chinch bugs are located. Chinch bugs can be one of the populations that contain both nymphs and adults during the middle of the summer.

⁶Imported Fire ants: IMID-BIFEN 0.36 GC may be applied as a broadcast treatment up to 5.7 lb. per 1,000 sq. ft. For a mound treatment, apply 1/2 cup of IMID-BIFEN 0.36 GC per mound and then drench 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.

⁷Mole Crickets, adults: Achieving acceptable control of adult mole crickets is difficult because grass areas are subject to continuous invasion during the early spring by this large active stage. 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 lbs per 1000 sq. ft. Applications should be watered in with up to 0.5 inches of water immediately after treatment. Grass areas that receive pressure from adult mole crickets should be treated within one month of peak egg hatch to ensure optimum control of subsequent nymph populations (see below). For heavily infested mole cricket areas, or in areas with a history of mole cricket infestation, use a single seasonal application rate of 200 to 250 lb per acre (4.6-5.7 lb per 1000 sq ft).

⁸Mole Crickets, nymphs: Grass areas that received adult mole cricket pressure in the spring should be treated within one month of peak egg hatch. Optimal control is achieved at this time because young nymphs are more susceptible to insecticides. Control of larger, more damaging, nymphs later in the year will require higher application rates to maintain acceptable control. For maximum effectiveness, irrigate prior to application if soil is dry, apply as a broadcast treatment at 2.9 lb per 1000 §q. §t. Applications should be watered in with up to 0.5 inches of water after treatment. For heavily infest mole cricket areas with a history of mole cricket infestation, use a single seasonal application rate of 200° to 250 lb per acre (4.6-5.7 lb per 1000 sq ft).

⁹Pillbugs and sowbugs: For heavy infestation use 250 lbs per acre (5.7 lbs per 1,000 £q. it.) of IMID-BIFEN 0.36 GC.

ι, (. (.(.(.) (.(.(.) ¹⁰Ticks (including ticks that may transmit Lyme disease and Rocky Mountain spotted fever): Treat the entire area where exposure to ticks may occur. Ticks may be reintroduced from surrounding areas on host animals. Retreatment may be necessary to achieve and/or maintain control during periods of high pest pressure. Repeat application is necessary only if there are signs of renewed activity. Repeat application should be limited to no more than once per seven days. Deer ticks (Ixodes spp.) have a complicated life cycle that range over a two year period and involves four life stages. Applications should be made in the late fall and/or early spring to control adult ticks that are usually located on brush or grass above the soil surface and in mid to late spring to control larvae and nymphs that reside in the soil and leaf litter. American dog ticks (Dermacentor variabilis) may be a considerable nuisance in suburban settings, particularly where homes are built on land that was previously field or forest. These ticks commonly congregate along paths or roadways where humans are likely to be encountered. Applications should be made as necessary from mid-spring to early fall to control American dog tick larvae, nymphs and adults.

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		
		50 lb/A	100 lb/A	
Cyclone Way	3	1.53	4	
Lely	4.5	3 ³ / ₄	4 1/4	
Lesco Broadcast	3	С	D	
PSB Prizelawn CBR-III	3	3	3 1/2 000	
Scott's Proturf R-8A	3	Н	(
Scott's ProturfSR-2000	3	I	ç (K	
Scott's Handy Green (obsolete)	3	2	<u></u>	
Scott's Accupro	3	4 1/2	4 3/4 2000	
Spyker	3	3.0	3.4	
Vicon Model 402	4.5	11	14	

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.
- Do not apply within 25 feet of lakes, reservoirs, rivers, permanent streams, marshes or natural ponds, estuaries, and commercial fish farm ponds.

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 must 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: TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, 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. To the extent consistent with applicable law, Albaugh disclaims any liability whatsoever for special, incidental or consequential damages, resulting from the use or handling of this product.

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