



OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

WASHINGTON, D.C. 20460

March 3, 2025

Blake Cowen
Product Registration Manager
Albaugh, LLC
1525 NE 36th St.
Ankeny, IA 50021

Subject: Label Amendment - Registration Review Mitigation for Bifenthrin
Product Name: IMID-BIFEN 0.15 GC + FERTILIZER
EPA Registration Number: 42750-157
Application Date: February 15, 2021
Decision Number: 596668

Dear Blake Cowen:

The Agency, in accordance with the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, has completed reviewing all the information submitted with your application to support the Registration Review of the above referenced product in connection with the Bifenthrin Interim Decision, and has concluded that your submission is acceptable. The label referred to above, submitted in connection with registration under FIFRA, as amended, is acceptable.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide, Fungicide, and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance Assurance.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling and must be used at your next label printing. You must

submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 12 months from the date of this letter. After 12 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

If you have any questions about this letter, please contact Meaghan Caruso by phone at 202-566-0169, or via email at caruso.meaghan@epa.gov.

Sincerely,

A handwritten signature in blue ink, reading "Cathryn Britton".

Cathryn Britton
Chief, Risk Management and Implementation
Branch V
Pesticide Re-evaluation Division (7508M)
Office of Pesticide Programs

ENCLOSURE: Stamped label

Bifenthrin	Group	3A	Insecticide
Imidacloprid	Group	4A	Insecticide

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 0.15 GC + FERTILIZER 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

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 0.083%

Bifenthrin* 0.067%

OTHER INGREDIENTS: 99.850%

TOTAL: 100.000%

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

STOP - Read the label before use.

KEEP OUT OF REACH OF CHILDREN.

CAUTION

ACCEPTED

03/03/2025

Under the Federal Insecticide, Fungicide
and Rodenticide Act as amended, for the
pesticide registered under
EPA Reg. No. 42750-157

FIRST AID

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.

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.

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. 42750-157

EPA Est. No. xxxxxx-xx-xxx

Net Weight: 50 Lbs. [For control of grubs, treats up to 9,075 sq. ft. For control of surface feeders, treats up to 18,150 sq. ft.]

Net Weight: 20 Lbs. [For control of grubs, treats up to 3,630 sq. ft. For control of surface feeders, treats up to 7,260 sq. ft.]

Manufactured For:
Albaugh, LLC

Ankeny, IA 50021

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Causes moderate eye irritation. Harmful if absorbed through skin. 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
- Chemical resistant gloves made out of any waterproof material such as barrier laminate, butyl rubber (≥ 14 mils), nitrile rubber (≥ 14 mils), neoprene rubber (≥ 14 mils), natural rubber (≥ 14 mils), polyethylene, polyvinyl chloride (PVC) (≥ 14 mils), or viton (≥ 14 mils).

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 thoroughly with soap and water after handling. 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. 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.

For outdoor use only.

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 apply or irrigate to the point of run-off.

Do not make applications during rain.

For applications at rates above 170 lbs product/A (0.34 lb ai/A), users must water the treated area immediately after application.

Do not apply within 25 feet of aquatic habitats (such as, but not limited to, lakes, reservoirs, rivers, streams, marshes or ponds, estuaries and commercial fish farm ponds).

Do not apply the product into fish pools, ponds, streams, or lakes. Do not apply directly to sewers or storm drains, or to any area like a drain or gutter where drainage to sewers, storm drains, water bodies, or aquatic habitat can occur.

Do not allow the product to enter any drain during or after application.

Do not apply directly to impervious horizontal surfaces such as sidewalks, driveways, and patios except as a spot or crack-and-crevice treatment.

Do not apply when the wind speed is greater than 15 mph.

Spot treatments must not exceed two square feet in size (for example, 2 ft. by 1 ft. or 4 ft. by 0.5 ft.).

RESISTANCE MANAGEMENT

For resistance management, please note that IMID-BIFEN 0.15 GC + FERTILIZER contains both a Group 3A and a Group 4A insecticide. Any insect/mite population may contain individuals naturally resistant to IMID-BIFEN 0.15 GC + FERTILIZER and other Group 3A or Group 4A insecticides. The resistant individuals may dominate the insect/mite population if these insecticides are used repeatedly in the same fields. Appropriate resistance-management strategies should be followed.

To delay insecticide resistance, take the following steps:

- Rotate the use of IMID-BIFEN 0.15 GC + FERTILIZER or other Group 3A or Group 4A insecticides within a growing season, or among growing seasons, with different groups that control the same pests.
- Use tank mixtures with insecticides from a different group that are equally effective on the target pest when such use is permitted. Do not rely on the same mixture repeatedly for the same pest population. Consider any known cross-resistance issues (for the targeted pests) between the individual components of a mixture. In addition, consider the following recommendations provided by the Insecticide Resistance Action Committee (IRAC):
 - Individual insecticides selected for use in mixtures should be highly effective and be applied

- at the rates at which they are individually registered for use against the target species.
 - Mixtures with components having the same IRAC mode of action classification are not recommended for insect resistance management.
 - When using mixtures, consider any known cross-resistance issues between the individual components for the targeted pest(s).
 - Mixtures become less effective if resistance is already developing to one or both active ingredients, but they may still provide pest management benefits.
 - The insect resistance management benefits of an insecticide mixture are greatest if the two components have similar periods of residual insecticidal activity. Mixtures of insecticides with unequal periods of residual insecticide activity may offer an insect resistance management benefit only for the period where both insecticides are active.
- Adopt an integrated pest management program for insecticide use that includes scouting, uses historical information related to pesticide use, crop rotation, record keeping, and which considers cultural, biological and other chemical control practices.
- Monitor after application for unexpected pest survival. If the level of survival suggests the presence of resistance, consult with your local university specialist or certified pest control advisor.
- Contact your local extension specialist or certified crop advisors for any additional pesticide resistance-management and/or IPM recommendations for the specific site and pest problems in your area.
- For further information or to report suspected resistance, consult an Albaugh LLC representative at 1-800-247-8013.

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 such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber or natural rubber.
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.

PRODUCT INFORMATION

APPLICATION TO TURFGRASS

The use of this product will provide plant nutrients as well as providing control of selected insect pests. IMID-BIFEN 0.15 GC + FERTILIZER 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>Otiorhynchus sulcatus</i>
European chafer	<i>Rhizotrogus 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>Euethola</i> , <i>humilis 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 0.15 GC + FERTILIZER can be used as directed on turfgrass on golf courses and sod farms.

The active ingredients IMID-BIFEN 0.15 GC + 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 IMID-BIFEN 0.15 GC + 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.

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 600 lb (0.5 lb of imidacloprid, 0.4 lb of bifenthrin) per acre per

year.

APPLICATION EQUIPMENT

Apply IMID-BIFEN 0.15 GC + 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 IMID-BIFEN 0.15 GC + 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 IMID-BIFEN 0.15 GC + FERTILIZER
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 Phyllophaga spp. Southern masked chafer	240 to 300 lb per acre (5.5 to 6.9 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	192 to 300 lb per acre (4.4 to 6.9 lb per 1,000 ft sq) or for heavy infestations, a single annual application of 480 to 600 lb per acre (11.1 to 13.8 lb per 1000 sq ft)
	Adults and/or larvae of surface feeders: Annual bluegrass weevil Billbugs Chinch bugs Frit fly Leafhoppers Mealybugs Nuisance ants	192 to 300 lb per acre (4.4 to 6.9 lb per 1,000 ft sq)
	Larvae of surface feeders: Armyworm Cutworm Sod webworms	120 to 300 lb per acre (2.75 to 6.9 lb per 1,000 ft sq)

¹Imported Fire ants: IMID-BIFEN 0.15 GC + FERTILIZER may be applied as a broadcast treatment up to 13.8 lb. per 1000 sq. ft. and/or as a mound treatment by applying 1 1/4 cup of IMID-BIFEN 0.15 GC + 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.

²Mole crickets: For maximum effectiveness, apply IMID-BIFEN 0.15 GC + FERTILIZER as a broadcast treatment at 6.9 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 6.9 lb. per 1000 sq. ft. Rainfall or additional irrigation within 24 hours after application will improve effectiveness of IMID-BIFEN 0.15 GC + FERTILIZER. For heavily infested mole cricket areas, use a single seasonal application rate of 480 to 600 lb. per acre.

³Pillbugs and sowbugs: For heavy infestation use 600 lbs per acre (13.8 lbs per 1,000 sq. ft.) of IMID-BIFEN 0.15 GC + FERTILIZER.

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 600 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 0.15 GC + FERTILIZER if there are signs of renewed insect activity, but not sooner than two weeks after the first application.

SPREADER SETTINGS FOR IMID-BIFEN 0.15 GC + FERTILIZER

The following chart can be used as a guide in establishing an accurate rate of IMID-BIFEN 0.15 GC + 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	
		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 0.15 GC + 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 600 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.

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.

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. Albaugh disclaims any liability whatsoever for special, incidental or consequential damages, resulting from the use or handling of this product.

LIMITATIONS OF LIABILITY: TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, 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 ALBAUGH'S ELECTION, THE REPLACEMENT OF PRODUCT.

021621

{LABEL HISTORY

Not Part of Final printed Label

File Name	Version Mark	Comment
042750-00157.20210216.DRAFT	021621	EPA Reg Review

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