



## OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

WASHINGTON, D.C. 20460

April 18, 2024

Lisa Adamson  
Regulatory Manager  
Control Solutions, Inc.  
5903 Genoa-Red Bluff  
Pasadena, TX 77507

Subject: Label Amendment – Add use for ornamentals and optional marketing statements  
Product Name: Bifen 0.096G Granular Insecticide with Fertilizer  
EPA Registration Number: 53883-337  
Application Date: 8/2/2023  
Case Number: 488198 & 473800

Dear Lisa Adamson:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. 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.

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

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

If you have any questions, please contact Elizabeth Andrews at 202-566-2467 or at [Andrews.Elizabeth@epa.gov](mailto:Andrews.Elizabeth@epa.gov).

Sincerely,

A handwritten signature in black ink, appearing to read "Scott Campbell", written in a cursive style.

Scott Campbell, Acting Product Manager 03  
Invertebrate and Vertebrate Branch I  
Registration Division (7505T)  
Office of Pesticide Programs

Enclosure

[Text in brackets and italics are notes to the label editor.]  
[Text in brackets alone are optional statements or alternative statements.]

BIFENTHRIN	GROUP	3A	INSECTICIDE
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# Bifen 0.096

## Granular Insecticide with Fertilizer

Only for use and storage by commercial applicators for use to control Ants (including Fire Ants), Mole Crickets, and other listed insect pests on lawns in landscaped areas, around residential, institutional, public, commercial, and industrial buildings, parks, recreational areas, and athletic fields. For Use as a Quarantine Treatment against Imported Fire Ants and for Balled and Containerized Nursery Stocks.

For outdoor use only.

### Active ingredient

Bifenthrin\*

### Other Ingredients

By Wt
0.096%
99.904%
100.000%

\*Cis isomers 97% minimum; trans isomers 3% maximum

**ACCEPTED**

04/18/2024

Under the Federal Insecticide, Fungicide  
and Rodenticide Act as amended, for the  
pesticide registered under  
EPA Reg. No. 53883-337

### Guaranteed Analysis XX X XX

Total Nitrogen (N)	XX XX
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X XX Ammoniacal Nitrogen	
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XX XX Urea Nitrogen	
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Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	XX XX
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Soluble Potash (K <sub>2</sub> O)	XX XX
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Sulfur (s) Total	XX XX
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X XX Free Sulfur (S)	
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X XX Combined Sulfur (S)	
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Iron (Fe) Total	X XX
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X XX Soluble Iron (Fe)	
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Manganese (Mn) Total	X XX
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X XX Water Soluble Manganese (Mn)	
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Derived From Poly Coated Sulfur Coated Urea

Ammonium Phosphate Sulfate of Potash Iron Sucrate

Manganese Sucrate

Chlorine (Cl) Max	X XX
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xx xx Slowly Available Urea Nitrogen from	
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Polymer Coated Sulfur Coated Urea	
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**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

See other panels for additional precautionary information.

*[Text in brackets and italics are notes to the label editor.]*  
[Text in brackets alone are optional statements or alternative statements.]

FIRST AID	
If on skin or clothing:	Take off contaminated clothing. Rinse skin immediately with plenty of water of 15-20 minutes. Call a poison control center or doctor for treatment advice.
HOTLINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor or going for treatment. . For information on this product, contact the National Pesticide Information Center, 1-800-858-7378, Monday-Friday, 7:30 AM-3:30 PM PST. You may also contact the National Poison Control Center, 1-800-222-1222, day or night, for emergency medical treatment information or SafetyCall® at (866) 897-8050.	
NOTE TO PHYSICIAN	
This product is a pyrethroid. If large amounts have been ingested milk cream or 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. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating drinking chewing gum using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

#### Environmental Hazards

This pesticide is extremely toxic to fish and aquatic invertebrates. Do not apply when weather conditions favor drift from treated areas. Drift and run off from treated areas may be hazardous to aquatic organisms in neighboring areas. 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.

## DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Not for use on turf being grown for sale or other commercial seed production, or for commercial seed production or for research purposes.

All outdoor applications must be limited to spot treatments only, except for the following permitted uses:

1. Application to pervious surfaces such as soil, lawn, turf, and other vegetation.
2. Perimeter band treatments of 7 feet wide or less from the base of a man-made structure to pervious surfaces (e.g., soil, mulch, or lawn).

#### USE RESTRICTIONS:

- Spot treatments must not exceed two square feet in size (for example, 2 ft. by 1 ft. or 4 ft. by 0.5 ft.)
- For soil or foliar applications, do not apply by ground within 25 feet of lakes, reservoirs, rivers, permanent streams, marshes or natural 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 or irrigate to the point of runoff.

*[Text in brackets and italics are notes to the label editor.]*  
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- Do not apply when the wind speed is greater than 15 mph.
- Do not apply more than 420 pounds of Bifen 0.096 Granular Insecticide with Fertilizer (0.4 lbs bifenthrin) per acre per year. For residential applications, do not apply more than 210 pounds of product per acre per year (0.2 lb ai/acre per year).
- For applications at rates above 0.34 lb ai/A (170 lbs product/A), users must water the treated area immediately after application.
- Do not water to the point of run-off.
- Do not make applications during rain. Avoid making applications when rainfall is expected before the product has sufficient time to dry (minimum 4 hours). Rainfall within 24 hours after application may cause unintended runoff of pesticide application.
- Do not allow to enter indoor or outdoor drains  
*No permita la entrada a desagües internos o externos.*



Follow proper disposal procedures on this label

*Siga las indicaciones del etiquetado para el desecho apropiado del producto.*

- Not for use on golf courses, sod farms, nurseries, commercial greenhouses, or grass grown for seed.
- **In New York State** this product may NOT be applied to any grass or turf area within 25 feet of a water body (lake, pond, river, stream, wetland, or drainage ditch).
- **In New York State** do make a single repeat application of Bifen 0.096 if there are signs of renewed insect activity but not sooner than two weeks after the first application.

#### FLORIDA APPLICATIONS:

- For commercial application to urban turf or lawns in FL we recommend you follow the Best Management Practices for Protection of Water Resources in Florida June 2002 Florida Green Industries available on the internet at  
[title //www.dep.state.fl.us/central/Home/MeetingsTrainings/FLGreen/BMP.Book.final.pdf](http://www.dep.state.fl.us/central/Home/MeetingsTrainings/FLGreen/BMP.Book.final.pdf)

**For lawn and landscape areas around residential, commercial, institutional, industrial buildings, parks, recreational lawns, and athletic fields.**

#### LAWN AND PERIMETER APPLICATIONS

**Perimeter Application:** Apply to ground area up to 7 feet wide around and adjacent to the structure using an application rate of 4.75 pounds per 1 000 square feet.

**Lawn Application:** Broadcast Bifen 0.096 with suitable application equipment to ensure uniform coverage over the treatment area. Apply 2.4 to 4.8 pounds per 1,000 square feet to control the following pests:

Annual Bluegrass Weevils (Hyperodes) (Adults)	Dear Ticks <sup>1</sup>
Ants	Fleas
Armyworms	Imported Fire Ants <sup>2</sup>
Billbugs (Adults)	Leafhoppers
Black Turfgrass Ataenius (Adults)	Mealybugs
Centipedes	Millipedes
Chinch Bugs	Mole Crickets
Clover mites	Sod Webworms
Cutworms	Ticks

**Note:**

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<sup>1</sup> Deer Ticks (*Ixodes* sp.) have a complicated life cycle that ranges over a two year period and involves four life stages. Applications should be made in mid to late spring to control larvae and nymphs that reside in the soil and leaf litter.

<sup>2</sup> Imported Fire Ants Control will be optimized by combining broadcast applications (of a suitable EPA approved product) that will control foraging workers and newly mated fly in queens with mound treatments that will control existing colonies.

The higher application rate may be required to control Ants, Centipedes, Chinch Bugs, Fleas, Imported Fire Ants, Millipedes, Mole Crickets, and Ticks.

## RECOMMENDED SPREADER SETTINGS

*[Note Following will be a list of application spreaders and appropriate settings.*

*The list will vary depending on market of spreaders (This note will not appear on final printed label.)]*

**Note:** These spreader settings were established using standard equipment available from the spreader manufacturer at swath widths and speeds typically used within the industry. It is recommended that all spreader equipment be calibrated at the time of application to achieve the desired application rate.

## ORNAMENTAL USE

(For soil incorporation into potting media used in containerized plantings of ornamental trees, shrubs, plants, flowers, conifers, Christmas trees, and non-bearing fruit and nut trees, and bushes.)

## HERB USE

For soil incorporation into potting media used in containerized plantings of the following herbs: Angelica; balm; basil; borage; burnet; camomile; catnip; chervil; chive; chive, chinese; clary; coriander (leaf); costmary; culantro (leaf); curry (leaf); dillweed; horehound; hyssop; lavender; lemongrass; lovage (leaf); marigold; marloram; nasturtium; parsley; pennyroyal; rosemary; rue; sage; savory, summer and winter; sweet bay; tansy; tarragon; thyme; wintergreen; woodruff; and wormwood. Minimum preshipment interval is 70 days for herbs listed above.

## Application Instructions for Potting Media

Determine bulk density of the potting media by measuring the dry weight of a unit volume of the mix. Based on the length of control required, thoroughly mix the appropriate quantity of the Bifen 0.096 with equipment suitable to give uniform distribution in the potting media. Bifen 0.096 may be pre-mixed with an appropriate amount of sand (1:10) to ensure adequate distribution of the product of the mix.

Bifen 0.096 is approved under the USDA Plant Protection Imported Fire Ant Quarantine Certification program when used in accordance with USDA guidelines. Use the application rates given in the table below to determine the length of control required for certification.							
Pest	USDA IFA Certification Period (mo)	App Rate (ppm)	Potting Media Bulk Density* (lbs. Bifen 0.096 Per Cubic Yard)				
			200	300	400	500	600
Imported Fire Ant	0-6	10	2.1	3.1	4.2	5.2	6.3
	7-12	12	2.5	3.8	5.0	6.3	7.5
	13-24	15	3.1	4.7	6.3	7.8	9.4
	Continuous	25	5.2	7.8	10.4	13.0	15.6
<b>Comments:</b> Incorporate appropriate amount of Bifen 0.096 in one cubic yard of potting media based on the known bulk density.							

**For General Use On Ornamental Plants outside the scope of USDA guidelines;**

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For Fungus Gnat larvae & Mealybugs use 5 to 10 ppm. For Black Vine Weevil larvae, Root Weevil larvae, White Grubs (including Japanese Beetle, oriental beetle and European chafer larvae) & Imported Fire Ants use 10 to 25 ppm. Use the higher rates for extended residual control.

Pest	App. Rate (ppm)	Potting Media Bulk Density* (lbs. Bifen 0.096 Per Cubic Yard)				
		200	300	400	500	600
Fungus Gnat larvae Mealybugs	5 10	1.0 2.1	1.6 3.1	2.1 4.2	2.6 5.2	3.1 6.3
Black Vine Weevil	10	2.1	3.1	4.2	5.2	
Root Weevil larvae	15	3.1	4.7	6.3	7.8	
White Grubs	25	5.2	7.8	10.4	13.0	
Imported Fire Ants						
<b>Comments:</b> Incorporate appropriate amount of Bifen 0.096 in one cubic yard of potting media based on the known bulk density.						

$$\begin{aligned} & \text{*lb. of Bifen 0.096 per cubic yard} \\ & = \frac{\text{bulk density of potting media} \times \text{ppm}}{960} \end{aligned}$$

(bulk density = laboratory determined dry weight of a unit volume of potting media.)

#### STORAGE AND DISPOSAL

Do not contaminate water food or feed by storage or disposal.

**Pesticide Storage:** Keep out of reach of children and animals. Store in original containers only. Store in a cool dry place and avoid excess heat. Carefully open containers. After partial use close tightly. In case of spill avoid contact isolate area and keep out animals and unprotected persons. Confine spills.

To confine spill: Cover to prevent dispersal. Place damaged package in a holding container. Identify contents.

**Pesticide Disposal:** Do not pour or dispose down-the-drain or sewer. Call your local solid waste agency for local disposal options. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**Container Handling:** Non refillable container. Do not reuse or refill this container. Paper and plastic bags: Completely empty bag into application equipment. Then offer for recycling if available or dispose of empty bag in a sanitary landfill or by incineration or by burning. Do not burn unless allowed by state or local authorities. If burned stay out of smoke.

#### WARRANTY STATEMENT

CONTROL SOLUTIONS, INC. warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for purposes stated on such label only when used in accordance with directions under normal use conditions. It is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness, or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of CONTROL SOLUTIONS, INC. All such risks shall be assumed by the Buyer. To the extent consistent with applicable law, except as expressly provided herein, CONTROL SOLUTIONS, INC. makes no warranties, guarantees, or representations of any kind, either expressed or implied, or by usage of trade, statutory or otherwise, with regard to the product sold, including, but not limited to merchantability, fitness for a particular purpose, use or eligibility of the product for any particular trade usage. To the extent consistent with applicable law, the exclusive remedy of any buyer or user of this product for any and all losses, injuries, or damages resulting from or in any way arising from the use, handling, or application of this product, whether in contract, warranty, tort, negligence, strict liability, or otherwise, shall be damages not exceeding the purchase price paid for this product or, at CONTROL SOLUTIONS, INC. election, the replacement of this product.



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EPA Reg. No. 53883-337

EPA Est. No. XXXXX-XX-XXX

Control Solutions, Inc.  
5903 Genoa-Red Bluff  
Pasadena, TX 77507

Net Weight

Optional marketing statements:

- 50 lbs Covers from 10 500 to 21 000 SQ FT
- XX lbs Covers from X XXX to XXXX SQ Ft
- XX lb. Covers from XXXX to XXXX CU. YD.{Note to EPA Reviewer: "XX" lbs will be filled in as a specific numerical weight that represents the weight of the fertilizer blend (NPK specific, hence the XX) in pounds to be in 1 CU YD of media}
- Controls/Kills Fire Ants while feeding your lawn Controls/Kills Ants, Fleas and Ticks while feeding your lawn
- Controls/Kills Fire Ants
- Controls/Kills Fire Ants and many other listed insects
- Controls/Kills Ants, Fleas, Ticks
- Controls/Kills Ants, Fleas, Ticks and many other listed insects
- Dual Action Feeds your lawn and kills fire ants in one application
- Dual Action Feeds your lawn and kills listed insects in one application
- Feeds your lawn for up to 3 months
- Lawn Fertilizer + Insect control
- Controls 18 Listed Insects
- Provides listed insect control in the lawn while feeding desirable grasses
- Controlled-release nitrogen keeps grass green longer
- Use for perimeter insect control applications
- Bifenthrin provides control of surface feeding insects including chinch bugs, sod webworm, mole crickets, ticks, imported fire ants, as well as other listed pests. For lawn and landscape areas around residential, commercial, institutional, industrial buildings, parks, recreational lawns, and athletic fields.
- Ideal where zero phosphorous is desired] (If marketed with fertilizer containing no Phosphorous)
- Kills listed insects
- Kills listed insects and fertilizes the lawn
- Slow-release nitrogen-helps provide extended feeding
- Fertilizer [Osmocote] Longevity Up To 3-4 Months at 70F
- Fertilizer [Osmocote] Longevity Up To 5-6 Months at 70F
- Fertilizer [Osmocote] Longevity Up To 8-9 Months at 70F
- Fertilizer [Osmocote] Longevity Up To 12-14 Months at 70F
- Fertilizer [Osmocote] Longevity Up To 14-16 Months at 70F





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