



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

July 14, 2021

Jeanette Covert
Regional Regulatory Manager
UPL NA Inc.
630 Freedom Business Center, Ste. 402
King of Prussia, PA 19406

Subject: Registration Review Label Mitigation for Bifenthrin
Product Name: BIFENTHRIN 0.2%G PL
EPA Registration Number: 70506-471
Application Date: 03/08/2021
Decision Number: 571944

Dear Ms. Covert:

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.

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.

If you have any questions about this letter, please contact Quinn Gavin by phone at 703-347-0325, or via email at gavin.quinn@epa.gov.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Linda Arrington', with a stylized flourish at the end.

Linda Arrington, Branch Chief
Risk Management and Implementation Branch 4
Pesticide Re-Evaluation Division
Office of Pesticide Programs

Enclosure

BIFENTHRIN 0.2%G PL INSECTICIDE

For control of Insects, including mole crickets and imported fire ants, on lawns and perimeters around buildings (commercial, industrial, institutional, public and residential), parks and recreational areas, including athletic fields.

For sale, use and storage by commercial applicators only.

For outdoor use only.

ACTIVE INGREDIENT:	By Wt.
Bifenthrin*.....	0.2%
OTHER INGREDIENTS:	99.8%
TOTAL:	100.0%

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

KEEP OUT OF REACH OF CHILDREN CAUTION

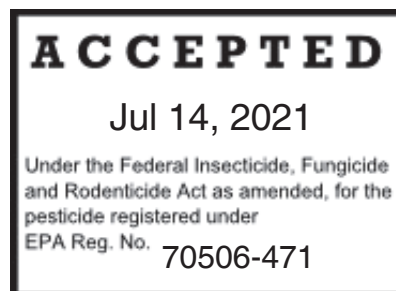
FIRST AID
IF ON SKIN OR CLOTHING Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
NOTE TO PHYSICIAN: This product is a pyrethroid. If large amounts have been ingested, the stomach and intestine should be evacuated. Treatment is symptomatic and supportive. Digestible fats, oils, or alcohol may increase absorption and so should be avoided.
HOTLINE NUMBER
EMERGENCY TELEPHONE NUMBERS: Have the product container or label with you when calling a poison control center or doctor or going for treatment.
FOR 24-HOUR EMERGENCY MEDICAL ASSISTANCE CALL ROCKY MOUNTAIN POISON AND DRUG SAFETY: 1-866-673-6671
FOR CHEMICAL EMERGENCY: Spill, leak, fire, exposure, or accident call CHEMTREC 1-800-424-9300

See other panels for additional precautionary information

EPA Reg. No. 70506-471

EPA Est. No. 51036-GA-001
NET CONTENTS:

Manufactured For:
UPL NA Inc.
630 Freedom Business Center, Suite 402
King of Prussia, PA 19406



PRECAUTIONARY STATEMENTS
Hazards to Humans and Domestic Animals

Caution: Harmful if absorbed through skin. Avoid contact with skin, eyes or clothing.

ENVIRONMENTAL HAZARDS

This pesticide 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. 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.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

All outdoor applications must be limited to spot or crack-and-crevice 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).

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.

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

Treat surfaces to ensure thorough coverage but avoid runoff.

To treat insects harbored in voids and cracks-and-crevices, applications must be made in such a manner to limit dripping and avoid runoff onto untreated structural surfaces and plants.

Do not use this product on plants grown for sale, for research purposes, for commercial seed production or for any other commercial use. This product is intended for use only on plants grown for aesthetics uses or for climatic alteration such as plants in interior landscapes, ornamental gardens, parks and lawns. This product is not intended for use for agricultural purposes, including private (non-commercial) greenhouses, etc.

This product may be used around residential structures such as apartments, condominiums, homes, outbuildings, and preschool and day care facilities. For each application at residential use sites, apply no more than 100 pounds of BIFENTHRIN 0.2%G PL (0.2 lb. active ingredient (a.i.)) per acre.

This product may be used at non-residential non-agricultural use sites, such as commercial, industrial, institutional or public buildings, parks and recreational areas, including athletic fields. For each application at non-residential use sites, apply no more than 200 pounds of BIFENTHRIN 0.2%G PL (0.4 lb. a.i.) per acre.

Per year, apply a maximum of no more than 200 lbs. BIFENTHRIN 0.2%G PL (0.4 lbs. a.i.) per acre.

Use of this product in commercial greenhouses or on golf courses, nurseries, sod farms or grass grown for seed is prohibited.

Application is prohibited directly into sewers or drains, or to any area like a gutter where drainage to sewers, storms drains, water bodies, or aquatic habitat can occur. Do not allow the product to enter any drain during or after application.

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.

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 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.

APPLICATION TO LAWNS AND PERIMETERS

LAWN APPLICATION: Use broadcast equipment designed to give consistent coverage of the area to be treated with BIFENTHRIN 0.2%G PL.

The following table provides recommended application rates of this product for control of the respective pests under normal conditions. However, for maximum control, this product can be applied at up to 0.4 lbs a.i./A (200 pounds per acre) to control the pests listed in the following table. When used on residential sites such as lawns, apply no more than 0.2 abs a.i./A (100 pounds per acre) per application.

PEST	ACTIVE INGREDIENT	APPLICATION RATE BIFENTHRIN 0.2%G PL	
Armyworm ¹ Cutworm ¹ Sod Webworm ¹	0.1 lbs. a.i./A	50 lbs. per acre	1.15 lbs. per 1000 sq.ft.
Annual Bluegrass Weevil (<i>Hyperodes</i>)(Adult) ² Billbugs (Adult) ³ Black Turfgrass Ataenius (Adult) ⁴ Leafhopper Mealybug	0.1 - 0.2 lbs. a.i./A	50 - 100 lbs. per acre	1.15 - 2.3 lbs. per 1000 sq.ft.
Ants Centipede Chinch Bug ⁵ Flea (Larvae) ⁶ Flea (Adults) Imported Fire Ant(Adult) ⁷ Imported Fire Ant (Mounds) ⁷ Millipede Mole Cricket (Adult) ⁸ Mole Cricket (Nymph) ⁹	0.2 - 0.4 lbs. a.i./A	100 - 200 lbs. per acre	2.3 - 4.6 lbs. per 1000 sq.ft.
Pillbug Sowbug	0.4 lbs. a.i./A	200 lbs. per acre	4.6 lbs. per 1000 sq.ft.

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 BIFENTHRIN 0.2%G PL if there are signs of renewed insect activity, but not sooner than two weeks after the first application.

¹**Armyworms, Cutworm, and Sod Webworm** – Immediately following application, irrigate with no more than 0.1 inches of water in order to activate the product.

²**Annual Bluegrass Weevil (*Hyperodes*) (adult)**: Time applications to control adult insects as they move from over-wintering sites and to grass areas. Movement generally starts when *Forsythia* is in full bloom and ends when flowering dogwood is in full bloom. Consult your State Cooperative Extension Service for more information.

³**Billbug (adult)**: Apply when adult insects are first observed (April and May). Degree-day models are available to determine best application timing. Spring applications will also control over-wintered chinch bugs in temperate regions. Consult your State Cooperative Extension Service for information.

⁴**Black Turfgrass Ataenius (adult)**: Apply during May and July for control of the first and second generation of insects. Apply in May when Vanhoutte spiraea and horse chestnut are blooming. Apply in July when Rose of Sharon is blooming.

⁵**Chinch Bug**: Immediately following application, irrigate treated area with no more than 0.25 inches of water in order to activate the product. Use higher application volume if the thatch layer is excessive or if grass height is relatively high. Chinch bugs are difficult pests to control in grasses; thus, higher application rates (up to 1 fluid oz. per 1000 sq. ft) may be required during the middle of the summer.

⁶**Flea larvae**: Use a higher application volume should be used when treating the soil of shaded areas that are accessible to pets and other animals to ensure penetration of the product into the soil. If the lawn area is being treated at the rate of 0.25 fl. oz. per 1000 sq. ft. for adult flea control, the larval application rate should be two- to four-fold of this application volume.

⁷**Imported Fire Ant**: For best results, combine broadcast applications (to control foraging workers and newly mated fly-in queens) with mound drenches (to eliminate existing colonies). If the soil is dry, water before application or use a high volume application. For broadcast treatments, apply up to 0.4 lbs. a.i./A. Treat mounds by diluting 1 teaspoon of BIFENTHRIN 7.9% FL TC (EPA Reg. No. 51036-392) formulation per gallon of water and applying 1 to 2 gallons of finished spray per mound. Spray with sufficient force to break the mound apex and allow the insecticide solution to flow into the ant tunnels. In addition, treat the four foot diameter circle surrounding each mound. For optimal control, treat in cool weather (65 - 80°F) or in early morning or late evening hours.

⁸**Mole Cricket (adult)**: Apply as late in the day as possible. If the soil is dry, irrigate before application to bring the insects closer to the soil surface (maximizing contact with the product). Immediately after application, water in with up to 0.5 inches of water. Treat grassy areas that receive pressure from adult mole crickets at peak egg hatch for best control of subsequent nymph populations (see below).

⁹**Mole Cricket Nymph**: Apply as late in the day as possible. If the soil is dry, irrigate before application to bring the insects closer to the soil surface (maximizing contact with the product). Immediately after application, water in with up to 0.5 inches of water. Treat grassy areas that received intense adult mole cricket pressure in the spring immediately prior to peak egg hatch. Higher application rates and more frequent applications may be required to control larger nymphs later in the year.

PERIMETER APPLICATIONS

When treating perimeters of structures, apply to the ground in a band of 5-10 feet width around the structure.

Boundary Applications: Apply to ornamental gardens as well as the following areas: soil areas, pavement crevices, fencelines, planter areas, vegetation areas and mulch areas.

Appl. Rate: Pounds Per 1,000 sq.ft.	Band Width In Feet	Pounds of BIFENTHRIN 0.2%G PL for Perimeter Applications Linear Distance (Feet) Around Structure							
		100	150	200	250	300	400	500	1,000
2.3	5	1.3	1.9	2.5	3.0	3.6	4.8	5.9	11.7
2.3	10	3.0	4.2	5.3	6.5	7.6	9.9	12.2	23.7
3.0	5	1.7	2.5	3.3	3.9	4.7	6.3	7.7	15.2
3.0	10	3.9	5.4	6.9	8.5	9.9	12.9	15.9	30.9
3.5	5	2.0	2.9	3.8	4.5	5.4	7.2	8.9	17.5
3.5	10	4.5	6.3	8.0	9.8	11.4	14.9	18.3	35.5
4.6	5	2.6	3.8	5.0	6.0	7.2	9.6	11.8	23.4
4.6	10	6.0	8.4	10.6	13.0	15.2	19.8	24.4	47.4

PLEASE NOTE: In using the above chart, the listed amounts of BIFENTHRIN 0.2%G PL correspond to the total treatment area. This area includes (1) the area of a circle whose radius is the bandwidth (this corresponds to the area treated at the four corners of the structure) plus (2) the bandwidth multiplied by the linear distance treated.

FIRE ANT MOUND TREATMENT: To each mound apply ½ cup of Bifenthrin 0.2 %G PL. Following the application, drench with 1-2 gallons of water with sufficient force to break the mound apex and allow the insecticide solution to flow into the ant tunnels. For optimal control, treat in cool weather (65 - 80°F) or in early morning or late evening hours. Never use food utensils for food purposes after use with insecticide.

APPLICATION TO INDUSTRIAL NON-AGRICULTURAL SITES

This product may be applied to industrial non-agricultural sites, such as Ball Fields, Cemeteries, Industrial Sites, and Parks.

BROADCAST SPOT APPLICATIONS: Use a consistent broadcast application of 0.2 to 0.4 lbs. a.i./Acre (2.3 to 4.6 lbs. per 1000 sq. ft.) of this product for effective control of foraging ants, such as Imported Fire Ants. Additional recommendations for application rates can be found in the footnotes to the Lawn Application Section.

ELECTRICAL SITES (Pad Mounted): Apply 1.0-1.5 Tbsp. BIFENTHRIN 0.2%G PL per 4 sq. ft of pad for best control of ant mounds. Care must be taken to ensure that the product is evenly dispersed. If the electrical site is filled with soil previously excavated by ants, this soil must be removed prior to application. Once the soil has been removed, and prior to application, relevel the soil. For optimum control, make applications in the early Spring or Fall.

BROADCAST APPLICATIONS: RECOMMENDED SPREADER SETTINGS

SPREADER TYPE	GROUND SPEED (MPH)	SPREADER SETTING			
		APPL. RATE: 100 lbs./A		APPL. RATE: 200 lbs./A	
		ONCE OVER	TWICE OVER	ONCE OVER	TWICE OVER
Hand-Pushed					
LESCO Rotary	3	B + ¼	A + ½	C + ½	B + ¼
Gandy Models (42,36,30,24)	3	12	10.5	16	12
Scotts R-8A-1 Rotary	3	G	E	Not Rec.	G
Spyker (all Models)	3	2.6	2	3.1	2.6
Equipment Drawn (PTO=540 RPM)					
Gandy Models (42,36,30,24)	4.5	14	11.5	19	14
Gandy 6500 Series	4.5	15	11	20	15
Gandy 10T Series	5.0	16.5	12	24	16.5
Herd GT-77	4.0	-	-	8-H	-
Herd GT-77	8.0	8-H	-	-	8-H
Lely 2.3202.000.1	4.5	2	1	3.5	2
Lely Model L-400	4.5	Not Rec.	Not Rec.	2	Not Rec.
Vicon PS402	4.5	10	7	16	10
Vicon PS1002T	4.5	13	9	21	13

Always calibrate equipment prior to application. The settings recommended above represent initial settings for final calibration. In order to insure continuous delivery of the correct amount of a BIFENTHRIN 0.2%G PL, make further adjustments to the settings from time to time during application. Consult the Owner's Manual of the equipment being used for calibration instructions.

Resistance: Repeated use of certain insecticides may create resistance in some insects. Use BIFENTHRIN 0.2%G PL in accordance with treatment area-appropriate strategies for resistance management. For further information regarding resistance management strategies for your treatment area, consult local or state pest management authorities.

Adequate control will not be attained if resistance to this or similar products arises in the treatment area. If you are unable to attain adequate control and this result cannot be explained by misapplication or weather extremes, it is possible that a resistant type of insect has developed. Discuss alternative control techniques with your pest management advisor or company representative if it appears that a resistant insect type is present.

Dealers must sell in original packages only.

STORAGE AND DISPOSAL

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

Pesticide Storage: Do not store this product near fertilizers, seeds, or other pesticides.

Keep this product out of reach of children and animals at all times. Store this product in a cool, dry place in its original container only. Do not expose the product to excessive heat. Open the product container carefully and, after use, seal tightly.

To Contain a Spill: Cover the spilled product to prevent the material from spreading. If the product container is damaged, place the entire container along with the product in a secure receptacle and clearly label the contents.

Pesticide Disposal: Open dumping is prohibited. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Container Disposal:

Paper and plastic bags: Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment. Offer for recycling, if available or dispose of in a sanitary landfill, or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Warranty and Disclaimer Statement

The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Such risks may arise from weather conditions, soil factors, off-target movement, unconventional farming techniques, the presence of other materials, the manner of use or application, or other unknown factors, all of which are beyond the control of UPL NA Inc. ("UPL"), and can cause crop injury, injury to non-target crops or plants, ineffectiveness of the product, or other unintended consequences. All such risks shall be assumed by the user or buyer. UPL warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks described above, when used in accordance with the Directions for Use under normal conditions. This warranty does not extend to the use of this product contrary to label instructions or under conditions not reasonably foreseeable to UPL, and is subject to the inherent risks described above.

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