



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

July 17, 2023

Carrie M. Tackema
Sr. Regulatory Manager
Nufarm, Inc.
11901 S. Austin Ave.
Alsip, IL 60803

Subject: Registration Review Label Mitigation for Bifenthrin
Product Name: Bifenthrin 0.069% Plus Fertilizer
EPA Registration Number: 228-435
Application Date: 04-26-2021
Decision Number: 573411

Dear Carrie Tackema:

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 Samantha Thomas by phone at 202-566-2368, or via email at thomas.samantha@epa.gov.

Sincerely,



Cathryn Britton, Branch Chief
Risk Management and Implementation Branch 5
Pesticide Re-Evaluation Division
Office of Pesticide Programs

BIFENTHRIN 0.069% PLUS FERTILIZER

FOR USE TO CONTROL ANTS (INCLUDING IMPORTED FIRE ANTS), MOLE CRICKETS AND OTHER LISTED PESTS ON LAWNS IN LANDSCAPED AREAS AROUND RESIDENTIAL, INSTITUTIONAL, PUBLIC, COMMERCIAL AND INDUSTRIAL BUILDINGS, PARKS, RECREATIONAL AREAS AND ATHLETIC FIELDS.

ACTIVE INGREDIENT:

Bifenthrin*0.069%

OTHER INGREDIENTS:99.931%

TOTAL:100.000%

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

REFER TO FERTILIZER TAG FOR ANALYSIS

**KEEP OUT OF REACH OF CHILDREN
CAUTION / PRECAUCION**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.
(If you do not understand the label, find someone to explain it to you in detail.)

SEE SIDE PANELS FOR FIRST AID AND ADDITIONAL PRECAUTIONARY STATEMENTS

**For Chemical Spill, Leak, Fire, or Exposure, Call CHEMTREC (800) 424-9300
For Medical Emergencies Only, Call (877) 325-1840**

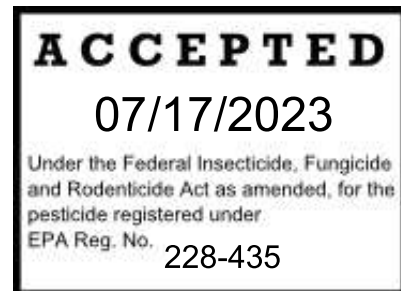
NOTE: Spanish language is optional

EPA REG. NO. 228-435
EPA EST. NO. _____

Manufactured [By] For
NUFARM AMERICAS INC.
11901 South Austin Avenue
Alsip, IL 60803



NET CONTENTS _____ Lbs. (_____ Kg)



**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION / PRECAUCION**

Harmful if absorbed through skin. Avoid contact with skin, eyes or clothing. Wash hands 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.

FIRST AID	
IF ON SKIN OR CLOTHING	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 to 20 minutes. • Call a poison control center or doctor for treatment advice.
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-877-325-1840 for emergency medical treatment information.	
NOTE TO PHYSICIAN	
This product is a pyrethroid. If large amounts have been ingested, milk, cream and other digestible fats and oils may increase absorption and so should be avoided.	

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 use as sod, or for commercial seed production or for research purposes. Granular product for outdoor use only.

DO NOT apply more than 580 pounds of this product per acre per year.

Not for use on golf courses, sod farms, nurseries, commercial greenhouses or grass grown for seed.

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.

For applications at rates above 0.34 lb. bifenthrin/Acre (170 lbs. of this product) in a single application, users must water the treated area immediately after application. Spot treatments must not exceed two square feet in size (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 this product 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** apply 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 allow the product to enter any drain during or after application.

DO NOT make applications during rain.

DO NOT apply when the wind speed is greater than 15 mph.

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 this product if there are signs of renewed insect activity, but not sooner than two weeks after the first application.

LAWN AND PERIMETER APPLICATIONS

Perimeter Application: Apply to lawn area 6 to 10 feet wide around and adjacent to the structure using an application rate of 3.33 to 6.66 pounds per 1,000 square feet.

Lawn Application: Broadcast this product with suitable application equipment to ensure uniform coverage over the treatment area. Apply 3.33 to 6.66 pounds per 1,000 square feet to control the following pests.

Annual Bluegrass Weevils (Hyperodes) (Adult)	Black Turfgrass Ataenius (Adult)	Fleas ²	Mole Crickets ²
Ants ²	Centipedes ²	Imported Fire Ants ^{1,2}	Sod Webworms
Armyworms	Chinch bugs ²	Leafhoppers	Ticks ²
Billbugs (Adult)	Cutworms	Mealybugs	
		Millipedes ²	

¹ **Imported fire ants:** Control will be optimized by combining broadcast applications that will control foraging workers and newly mated fly-in queens with mound treatments that will control existing colonies. Use an EPA registered product for treating individual mounds.

²The 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 approximate settings. This list will vary depending on market or spreader. 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.

Information regarding the contents and levels of metals in this product is available on the internet at <http://www.wa.gov/agr>.

Information regarding the contents and levels of metals in this product is available on the internet at <http://www.aapfco.org/metals>.

Information regarding the contents and levels of metals in this product is available on the internet at <http://www.regulatory-info-xx.com>.

INSECT RESISTANCE MANAGEMENT

For resistance management, this product contains bifenthrin, a Group 3A pyrethroid insecticide. Repeated and exclusive use of this product or other Group 3A insecticides may lead to the buildup of resistant strains of insects in some crops.

Some insects are known to develop resistance to products used repeatedly for control. Because the development of resistance cannot be predicted, this product may be used as part of a resistance management strategy established for the use area. These strategies may include incorporation of cultural and biological control practices, alternation of mode-of-action classes of insecticides on succeeding generations and targeting the most susceptible life stage. Consult your local or state agricultural authorities for details.

Unless directed otherwise in the specific crop/pest sections of this label, the best practices are to follow these instructions to delay the development of insecticide resistance:

- Avoid using the same mode of action (IRAC group number) on consecutive generations of insect pests.
- Apply this product using a "treatment window" approach to avoid exposure of successive insect pest generations to the same mode of action.
- A "treatment window" is defined as the period of residual activity provided by single or sequential applications of products with the same mode of action. This "treatment window" should not exceed approximately the length of one generation of the target pest.
- Within the "treatment window", make no more than 2 applications of this product or other product that contains a Group 3A insecticide within a single generation of the target pest on a crop or within a 30-day period to the same insect species on a crop.
- Following a "treatment window", rotate to a treatment window of effective products with a different mode of action. This window should approximate the duration of one generation of the target pest.
- Target the most susceptible insect life stages, whenever possible.
- Do not use less than the labeled rates of this product when applied alone or in tank mixtures.
- Monitor insect populations for product effectiveness.

If resistance to this product develops in your area, this product or other products with a similar mode of action, may not provide adequate control. If poor performance cannot be attributed to improper application or extreme weather conditions, a resistant strain of insect may be present. If you experience difficulty with control and resistance is a reasonable cause, immediately consult your local

Nufarm representative or agricultural advisor for the best alternate method of control for your area. For additional information on insect resistance monitoring, visit the Insecticide Resistance Action Committee (IRAC) on the web at <http://www.ircac-online.org>.

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. Call ChemTrec (800) 424-9300. To confine spill: Cover to prevent dispersal. Place damaged package in a holding container. Identify contents.

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

CONTAINER HANDLING: Nonrefillable Container. **DO NOT** reuse or refill this container. After completely emptying container into application equipment, offer for recycling, if available, or reconditioning, if appropriate, or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities.

WARRANTY DISCLAIMER

The directions for use of this product must be followed carefully. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, (1) THE GOODS DELIVERED TO YOU ARE FURNISHED "AS IS" BY MANUFACTURER OR SELLER AND (2) MANUFACTURER AND SELLER MAKE NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND TO BUYER OR USER, EITHER EXPRESS 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. UNINTENDED CONSEQUENCES, INCLUDING BUT NOT LIMITED TO INEFFECTIVENESS, MAY RESULT BECAUSE OF SUCH FACTORS AS THE PRESENCE OR ABSENCE OF OTHER MATERIALS USED IN COMBINATION WITH THE GOODS, OR THE MANNER OF USE OR APPLICATION, INCLUDING WEATHER, ALL OF WHICH ARE BEYOND THE CONTROL OF MANUFACTURER OR SELLER AND ASSUMED BY BUYER OR USER. THIS WRITING CONTAINS ALL OF THE REPRESENTATIONS AND AGREEMENTS BETWEEN BUYER, MANUFACTURER AND SELLER, AND NO PERSON OR AGENT OF MANUFACTURER OR SELLER HAS ANY AUTHORITY TO MAKE ANY REPRESENTATION OR WARRANTY OR AGREEMENT RELATING IN ANY WAY TO THESE GOODS.

LIMITATION OF LIABILITY

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, IN NO EVENT SHALL MANUFACTURER OR SELLER BE LIABLE FOR SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, OR FOR DAMAGES IN THEIR NATURE OF PENALTIES RELATING TO THE GOODS SOLD, INCLUDING USE, APPLICATION, HANDLING, AND DISPOSAL. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, MANUFACTURER OR SELLER SHALL NOT BE LIABLE TO BUYER OR USER BY WAY OF INDEMNIFICATION TO BUYER OR TO CUSTOMERS OF BUYER, IF ANY, OR FOR ANY DAMAGES OR SUMS OF MONEY, CLAIMS OR DEMANDS WHATSOEVER, RESULTING FROM OR BY REASON OF, OR ARISING OUT OF THE MISUSE, OR FAILURE TO FOLLOW LABEL WARNINGS OR INSTRUCTIONS FOR USE, OF THE GOODS SOLD BY MANUFACTURER OR SELLER TO BUYER. ALL SUCH RISKS SHALL BE ASSUMED BY THE BUYER, USER, OR ITS CUSTOMERS. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BUYER'S OR USER'S EXCLUSIVE REMEDY, AND MANUFACTURER'S OR SELLER'S TOTAL LIABILITY SHALL BE FOR DAMAGES NOT EXCEEDING THE COST OF THE PRODUCT.

If you do not agree with or do not accept any of the directions for use, the warranty disclaimers, or limitations on liability, do not use the product, and return it unopened to the Seller, and the purchase price will be refunded.

(RV_____)

[Optional Spreader Instructions]:

[CALIBRATION INSTRUCTIONS: To provide proper distribution, calibrate spreader before application. For 4.0 pounds of product (or x pound of product) per 1,000 square feet (or per acre) of turfgrass: Check your spreader on 250 square feet (or x square feet) and adjust to apply at the rate of 1 pound of product (or x pounds of product) per 250 square feet (or x square feet).]

[OPTIONAL FERTILIZER STATEMENTS]:

[(Optional state-specific fertilizer information, statement or restrictions, such as the following example, to be updated based on current state requirement(s))]:

[For Fertilizer Mixtures Containing Nitrogen]: It is a violation of law in [list State(s)] to apply this product to turf at a rate that results in greater than [X] lb per 1,000 sq.ft. of readily available nitrogen, or more than [X] lb per 1,000 sq.ft. of total nitrogen with a least [X]% of which shall consist of slow release nitrogen [per application] [during any given 30-day period]. Other state and local restrictions may apply.]

[For Fertilizer Mixtures Containing Phosphorous]: [For levels of phosphorus 5% or below]: This fertilizer contains phosphorus and may not be used on turf in [list State(s)] except when 1) providing nutrients to specific soils and target vegetation as determined to be necessary in accordance with a soil test that was conducted by a laboratory identified under [list specific state article code], performed no more than [x] years before the application; 2) establishing vegetation for the first time, such as after land disturbance, provided the application is conducted in accordance with the application rates established by the State; or 3) reestablishing or repairing a turf area. [Not for use on established lawns or grass in [list State(s)]].

[Do not apply near water, storm drains, or drainage ditches. Do not apply if heavy rain is expected. Apply this product only to [your lawn/garden][the targeted treatment area] and sweep any product that lands on the driveway, sidewalk, or street back onto [your lawn][the targeted treatment area].