



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 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 0.058% Plus Fertilizer  
EPA Registration Number: 228-436  
Application Date: 04-26-2021  
Decision Number: 573416

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.

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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](mailto:thomas.samantha@epa.gov).

Sincerely,

A handwritten signature in cursive script that reads "Cathryn Britton".

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

Enclosure

**BIFENTHRIN** | **GROUP** **3A** | **INSECTICIDE**

# BIFENTHRIN 0.058% PLUS FERTILIZER

**THIS PRODUCT IS DESIGNED TO CONTROL A VARIETY OF INSECTS ON RESIDENTIAL LAWNS.**

<b>ACTIVE INGREDIENT:</b>	
Bifenthrin* .....	0.058%
<b>OTHER INGREDIENTS:</b> .....	<u>99.942%</u>
<b>TOTAL:</b> .....	100.000%

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

**REFER TO FERTILIZER TAG FOR ANALYSIS**

**KEEP OUT OF REACH OF CHILDREN**  
**CAUTION - CAUCION**

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. 228-436  
EPA EST. NO.

NET CONTENTS      LBS.

000228-00436.20230320

MANUFACTURED [BY] FOR  
NUFARM AMERICAS INC.  
11901 South Austin Avenue  
Alsip, IL 60803



**ACCEPTED**  
**07/17/2023**

Under the Federal Insecticide, Fungicide  
and Rodenticide Act as amended, for the  
pesticide registered under  
EPA Reg. No. 228-436

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS  
CAUTION - CAUCION**

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.

<b>FIRST AID</b>	
<b>IF ON SKIN OR CLOTHING</b>	<ul style="list-style-type: none"><li>• Take off contaminated clothing.</li><li>• Rinse skin immediately with plenty of water for 15 to 20 minutes.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
<b>HOT LINE NUMBER</b>	
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.	
<b>NOTE TO PHYSICIAN</b>	
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. 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**

Read all directions prior to application of the product.

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Granular product for outdoor use only.

Not for use on turf being grown for sale or other commercial use as sod, or for commercial seed production, or for research purposes.

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

In New York State, this product may NOT be applied to turf within 100 feet of a coastal marsh or 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.

If product is watered in after application, do not allow children or pets to enter the area until dry.

Do not apply the product into fish pools, ponds, streams, or lakes. Do not apply directly into sewers or storm drains, or to any area like a 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.

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 runoff. For applications at rates above 0.34 lbs bifenthrin/A ([170 lbs product/A]), users must water the treated area immediately after application. Spot treatments must not exceed 2 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 or irrigate to the point of runoff.

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 apply when wind speed is greater than 15 mph.

## INSECTS CONTROLLED

This product can be used to control the following lawn insects:

PEST	USE RATE PER 1,000 SQ. FT.
Chiggers Chinch Bugs Sod Webworms (Lawn Moth)	2 pounds
Annual Bluegrass Weevils (Hyperodes) (Adult) Armyworms Billbugs (Adult) Black Turfgrass Ataenius (Adult) Centipedes Crickets Leafhoppers Mealybugs Millipedes Pavement Ants Pillbugs Red Ants Sowbugs Weevils	2 to 4 pounds
Ants Fire Ants Feas Imported Fire Ants Mole Crickets Ticks	4 to 8 pounds

Treat when insects first appear. Apply this product evenly over the turfgrass area at the use rate indicated in the above (provided) table, using a properly calibrated drop or rotary spreader. A more uniform application may be achieved by spreading half of the required amount of product over the area and then applying the remaining half in swaths at a right angle to the first. Best results will occur if the treated area is thoroughly irrigated with water immediately after application.

**American Dog Ticks:** These ticks tend to gather along paths or roadways where humans are likely to be found.

**Annual Bluegrass Weevil:** Treatment should be made to control the adult weevils as they migrate from their overwintering sites and move into grass areas. Contact your State Cooperative Extension Service for more specific information.

**Armyworms, Cutworms, and Sod Webworms:** For best results, the treated area should be irrigated immediately after application with up to 0.1 inches of water to activate the insecticide.

**Billbugs:** Apply when adult Billbugs are first observed during April and May. Consult your State Cooperative Extension Service for information on degree days and timing in your region.

**Black Turfgrass Ataenius:** Apply treatments during May and July to control both generations of adults. The May application should be made at the same time as the full bloom stage of Vanhoutte spiraea and the Horse chestnut. The July application should coincide with the blooming of Rose of Sharon.

**Chinch Bugs:** These bugs infest the base of the plant and are usually found in the thatch layer. Watering the treated area with up to 0.25 inches immediately after application will result in quicker control.

**Deer Ticks:** These ticks have a life cycle that ranges over a two year period and involves four life stages. Treatments should be applied in mid-to-late spring to control larvae and nymphs that are present on the soil.

**Flea Larvae:** These larvae develop in the soil and shady areas. Irrigate the treated area with up to 0.5 inches of water immediately after application.

**Imported Fire Ants:** The best control will be reached by a combination of broadcast applications and mound drenching. Irrigation should be performed prior to application if the soil is not moist. To mound drench, apply 2 cups of this product per mound. Then drench the mound with 1 to 2 gallons of water, with sufficient force to break the apex and allow the water and product to flow into the tunnels. Also treat a four foot diameter circle around each mound. For best results, apply in cool weather (65-80°). The early morning or late evening hours should suffice. Food utensils such as teaspoons and measuring cups, used for pesticide application must not be used for food purposes.

**Mole Cricket Adults:** These adults can be difficult to control because of their extremely active stage in the early spring. Applications should be made as late in the day as possible and be watered up to 0.5 inches immediately after treatment. If the soil is not moist prior to application, it should be irrigated to ensure best control.

**Mole Cricket Nymphs:** Optimum control can be reached by treating young nymphs because they are more susceptible to the insecticide. Irrigate soil if it is not moist before application. Treatment should be made as late in day as possible. Water the treated area with up to 0.5 inches directly after application.

**TICKS:** Do not make spot applications. Treat the entire area where ticks may occur. The higher application rate might be needed if heavy leaf litter or dense ground cover exists.

### SPREADER SETTINGS

**Broadcast Spreaders:** For best results, apply in a circular path starting on the outside and working toward the center. A little overlap of product will ensure complete coverage.

**Drop Spreaders:** First, apply 2 border strips along the edge of each end of the lawn. Then apply product along the length of the lawn, overlapping slightly and shutting off the spreader before turning as you reach the edge of the border strips.

**Important:** It is important to follow the directions as indicated on this quality lawn care product as over-application may cause injury to the lawn. Measure the size of the area to be treated and do not over or under apply. Spreader settings are approximate. Differences may occur due to condition of spreader, speed at which applied, and roughness of area treated. Calibrate spreader prior to use according to the manufacturer's directions. Check frequently to be sure equipment is working properly and distributing uniformly. Close spreader when filling, stopping or turning. Do not hand spread.

**Note:** *Following will be a list of application spreaders and approximate settings. This list will vary dependent on market of spreaders. (This note will not appear on final printed label.)*

Spreader	2 lbs./1,000 sq.ft.	4 lbs./1,000 sq.ft.	6 lbs./1,000 sq.ft.	8 lbs./1,000 sq.ft.
aa	XX	XX	XX	XX
bb	XX	XX	XX	XX
cc	XX	XX	XX	XX

### 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.irac-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 container only. Store in a cool, dry, well-ventilated place and avoid excess heat. For bags after partial use, reseal opened bag by folding top down and securing.

**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 DISPOSAL: If empty:** Nonrefillable Container. DO NOT reuse or refill this container. Offer for recycling if available, or wrap in several layers of newspaper and place in trash. Never place unused product down any indoor or outdoor drain.

## **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, MANUFACTURER AND SELLER SHALL NOT 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. 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. 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 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[mmdyy])

Information regarding the contents and levels of metals in this product is available on the internet at:

<http://www.wa.gov/agr>

<http://www.aapfco.org/metals>

<http://www.regulatory-info-xx.com>

*Optional performance guarantees:*

**PERFORMANCE GUARANTEE:** If, for any reason you are not satisfied with the results of this quality product, return the bag with proof-of-purchase for a full refund.

If for any reason, you are not completely satisfied with the results after applying this product, you are entitled to product replacement or your money back simply by presenting evidence of purchase to your local *{store name}*.

**Optional program:**

*{brand}* Year round Lawn Care Program

Early Spring: Crabgrass Preventer plus Lawn Food

Late Spring: Lawn Food or Weed & Feed

Summer: Summer Lawn Food and/or Lawn Insect Control

Fall: Fall Lawn Food or Fall Weed & Feed

Visit our website at *{address}*

**Optional Language:**

#### FOR HOMEOWNER USE ONLY

##### **OPTIONAL STATEMENTS:**

- Controls a variety of lawn insects
- For Lawns
- Turf Insect Control
- Controls the following insects: Ants, Armyworms, Billbugs (Adult), Ticks, Chiggers, Chinch Bugs, Crickets, Fleas, Millipedes, Mole Crickets, Sod Webworms (Lawn Moth) and many others as listed.
- Contains Bifenthrin
- Kills bugs
- 100% Satisfaction Guaranteed or your money back
- Kills Lawn Insects

##### **OPTIONAL FERTILIZER CLAIMS:**

- Builds Healthy (Healthier) Lawns
- Slow-Release Nitrogen Feeds Your Lawn Over 2 Months!
- Methylene Urea is a proven controlled-release homogeneous technology. It releases nitrogen gradually through hydrolysis and microbial action in the soil for a safe, sustained feeding.
- Methylene Urea is unlike most other nitrogen sources that depend on coatings, particle size, and temperature for their nitrogen release.



**OPTIONAL LABEL LANGUAGE FOR DIFFERENT BAG SIZES:**

**XX pound bag should treat XXXXX square feet**

**Optional Spreader Text:**

**Keep this product off sidewalks, patios, driveways, etc. This fertilizer contains iron which will stain concrete and painted surfaces. If it comes in contact with concrete surface, sweep off immediately before flushing with water. If concrete is wet when contact occurs, staining may be impossible to prevent. Be careful when using rotary spreaders which scatter fertilizer beyond lawn edge and onto concrete.**

**CALIBRATION INSTRUCTIONS:** To provide proper distribution, calibrate spreader before application. For 3.4 pounds of product per 1,000 square feet of turfgrass: Check your spreader on 300 square feet and adjust to apply at the rate of 1 pound of product per 300 square feet.

**IMPORTANT:** It is important to follow the directions as indicated on this quality lawn care product as over-application may cause injury to the lawn. Measure the size of the area to be treated and do not over or under apply. Spreader settings are approximate. Differences may occur due to condition of spreader, speed at which applied, and roughness of area treated. Calibrate spreader prior to use according to the manufacturer's directions. Check frequently to be sure equipment is working properly and distributing uniformly. Close spreader when filling, stopping or turning. Do not hand spread.

**Spreading Instructions:** Follow Application Directions in the table below. Calibrate the spreader settings based on the manufacturer's recommendations.

**Calculating Total Lawn Area:**

LENGTH x WIDTH = TOTAL SQ. FT. then subtract NON-LAWN AREAS (House, Garden, Driveway)

**Spreading Patterns:**

First spread the borders of your lawn. Then spread the center by spreading in straight line passes. Spread at a uniform walking speed to insure even coverage.

**Coverage**

To determine the square footage of the application area, multiply the length of the lawn by its width. This equals your total square footage. Deduct any non-lawn areas (driveway, sidewalk, house, etc.) One 17 pound bag covers between 2,125 square feet and 8,500 square feet.

<p>_____ Length  <b>X</b> _____ Width                  = _____ Total Sq. Ft.                  - _____ Non Lawn Areas                  = _____ Total Sq. Ft. Coverage needed</p>	<p>ILLUSTRATION</p>	<p>To determine how much you need, multiply the length of your lawn by its width. This equals your total square footage. Deduct any non-lawn areas (house, garden, etc.). One bag cover up to XXX square feet.</p>
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**CALIBRATION INSTRUCTIONS:**

To provide proper distribution, calibrate spreader before application. For X pound(s) of product per X square feet of turfgrass: Check your spreader on X square feet and adjust to apply at the rate of X pound(s) of product per X square feet.

**Spreading Patterns:**

First spread the borders of your lawn. Then spread the center by spreading in straight line passes. Spread at a uniform walking speed to insure even coverage.

**Step 3**

**Apply: June -September  
 Menards Premium 4-Step Program**

**Optional Marketing Hype:**

**Promotes Thick, Deep, Green Lawns  
 Builds Healthy Lawns  
 Kills Lawn Insects!**