

228-496

09/07/2006

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U.S. ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Registration Division (H7505C)  
1200 Pennsylvania Avenue, N.W.  
Washington, D.C. 20460

EPA Reg. Number:  
228-496

Date of Issuance:  
SEP 7 2006

Term of Issuance:  
Conditional

Name of Pesticide Product:  
Bifenthrin 0.115% Granule  
Insecticide

# NOTICE OF PESTICIDE:

☒ Registration  
☐ Reregistration

(Under FIFRA as amended)

Name and Address of Registrant (include ZIP Code):

Nufarm Americas, Inc.  
133 Burr Ridge Parkway Suite 125A  
Burr Ridge, IL 60527

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product, always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

1. You will submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.
2. You will make the following label changes before you release the product for shipment:

a) Revise the EPA Registration Number to read "EPA Reg. No. 228-496 ."

b) The acute toxicity profile for this product is as follows:

Acute oral toxicity	IV
Acute dermal toxicity	III
Acute inhalation toxicity	IV
Primary eye irritation	III
Primary skin irritation	IV
Dermal sensitization	Neg

Base on the toxicity profile above revise the Precautionary Statements as follows:

"Harmful if absorbed through skin. Causes moderate eye irritation. 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 and wash contaminated clothing before reuse

Signature of Approving Official:

*George T. LaRocca*  
George T. LaRocca, Product Manager (13), RD/IB (7505C)

Date:

*September 7, 2006*

c) Add the following to First Aid statement:

If in eyes	-Hold eye open and rinse slowly and gently with water for 15- 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
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3. Please submit an one year storage stability study for the proposed product along with a corrosion characteristics study. We recommend that observation be made at 0, 3, 6, 9 and 12 months intervals in the storage stability study
4. Please submit three (3) copies of your final printed labeling before releasing the product for shipment. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product bearing amended labeling constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records.

If you have any questions regarding this action, please contact BeWanda Alexander of my team at (703) 305-7460.

ACCEPTED  
with COMMENTS  
In EPA Letter Dated  
SEP 7 2006  
Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
as amended, for the pesticide  
registered under EPA Reg. No.  
228-496

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# BIFENTHRIN 0.115% GRANULE INSECTICIDE

FOR RESIDENTIAL LAWN, HOME PERIMETER, ORNAMENTAL &  
FLOWER GARDEN, AND HOME GARDEN USE

**ACTIVE INGREDIENT:**

Bifenthrin ..... 0.115%

**OTHER INGREDIENTS:** ..... 99.885%

**TOTAL:** ..... 100.000%

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

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

SEE ADDITIONAL PRECAUTIONARY STATEMENTS ON BACK OF BAG.

OR

SEE (BACK PANEL, BOOKLET, SIDE PANEL) FOR ADDITIONAL PRECAUTIONARY STATEMENTS.

For Chemical Spill, Leak, Fire, or Exposure, Call CHEMTREC (800) 424-9300

For Medical Emergencies Only, Call (877) 325-1840

EPA REG. NO. 228-  
EPA EST. NO.

MANUFACTURED BY  
NUFARM AMERICAS INC.  
BURR RIDGE, IL 60527-0866



NET WEIGHT 10 lbs / 4.54 kg

000228-00000.20060222.

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS (AND DOMESTIC ANIMALS)  
CAUTION**

Harmful if absorbed through the skin. Avoid contact with skin or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco. 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 or 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 directly to water. Do not contaminate water when disposing of equipment washwaters or rinsate.

**OPTION IB. (Use on Lawns, Home Foundations/Perimeter Treatment, Ornamental and Flower Gardens,  
Vegetable Gardens)**

**DIRECTIONS FOR USE**

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

In New York State, this product may NOT be applied to any grass or turf area (lawns) within 100 feet of a water body (lake, pond, river, stream, wetland, 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.

**PRODUCT FACTS**

**INSECTS CONTROLLED**

**Use this product to kill and control:**

Ants (including Carpenter, Red Harvester, Pavement, Odorous, Pyramid, Argentine, Pharaoh, Black Turf)	Earwigs	winged Mole Cricket)
Armyworms (including Lawn Armyworm, Fall Armyworm)	European Crane Fly	Pillbugs
Billbugs (including Bluegrass Billbug, Hunting Billbug)	Fiery Skipper	Seed Maggots
Black Turfgrass Ataenius (adults)	Fire Ants	Ticks (including ticks that may transmit Lyme Disease)
Bristletail	Firebrat	Spiders
Centipedes	Fleas	Springtails
Chiggers	Fruitfly	Striped Grassworm
Chinch Bugs	Grasshoppers	Two-lined Spittlebugs
Crickets	Greenbug	Webworms (including Sod Webworm, Grass Webworm, Tropical Sod Webworm)
Cutworms (including Black Cutworm, Bronzed Cutworm, Granulate Cutworm, Variegated Cutworm)	Ground Beetles	Weevils (including Hyperodes and Bluegrass)
Dichondra Flea Beetle	Ground pearl	Wireworms
	Leafhoppers	
	Lucerne Moth	
	Mealybugs	
	Millipedes	
	Mole Crickets (including Tawny Mole Cricket, Southern Mole Cricket, Short-	

**WHERE TO APPLY:** Lawns, Around Home Foundations (Perimeter Treatment), Ornamental and Flower Gardens, and Vegetable Gardens.

**WHEN TO APPLY:** Apply early/proactively (in the spring/summer/fall) to prevent infestation. Otherwise, apply at the first sign of insect activity or damage.

**HOW TO APPLY:** See the specific pests for a recommended level. Irrigating or watering by 0.1 to 0.5 inches immediately after application improves the effectiveness of this product.

**On Lawns**

- Using a spreader designed for application of granular materials, uniformly apply 1 to 2 lbs over 1,000 sq. ft.
- For mole cricket control, apply 2 to 4 lbs over 1,000 sq. ft. area

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- For 3 month/season-long control, apply 4 lbs of product for every 1,000 sq. ft.\*
- A 10- (20-) pound bag will treat up to 10,000 (20,000) sq. ft. area of lawn. (XX pound bag should treat XXXXX square feet.)

#### On Ornamentals & Flowers

- Apply 0.5 to 1 lb. evenly over each 500 sq. ft. area. Repeat if there are signs of renewed insect activity.
- Product can be applied just before planting or after plants emerge.

#### Vegetable Gardens

- A single application may be applied just prior to planting or after plants emerge and worked into the top 4 to 6 inches of soil. Use 1.0 lb of product for a 500 sq. ft. area.

#### Home Foundation/Barrier Treatment

Evenly apply a 2-foot wide band next to the house/home foundation. Use 0.5 to 1.0 lb for each 500 sq. ft. (2 ft. x 250 ft.).

**\*\*Food utensils such as tablespoons/teaspoons must not be used for food purposes after use in measuring pesticides.**

This product can be applied to the vegetables listed below:

CROP	DAYS TO WAIT TO HARVEST
Tomatoes, sweet corn	1
Green peas, sugar snap peas, snow peas, green beans (wax beans, snap beans), dry beans (black-eyed peas, cow pea), cucumber, gourds, muskmelon, pumpkin, squash, and watermelon	3
Artichoke	5
Broccoli, Chinese broccoli, cabbage, cauliflower, kohlrabi, Chinese mustard, eggplant, head lettuce, peppers (bell and non-bell)	7

SPREADER TIPS				
SPREADER	SPREADER SETTINGS Pounds of Product / 1,000 sq. ft.			DIRECTIONS
	1 lb*	2 lbs	4 lbs	
Scotts Drop Spreader	XX	XX	XX	Mow lawn first if grass is tall enough to touch the bottom of the spreader. First apply two header strips. Operate spreader the longest way of the lawn. Overlap wheel marks to ensure uniform coverage. Shut off spreader when you have reach the header strips or stopped
Scotts EasyGreen® Rotary	XX	XX	XX	Slide shut-off lever to the right; application automatically starts and stops when you do. For complete coverage make each pass about 30 inches from the previous one, so some overlapping occurs.
Scotts SpeedyGreen® or Edgeguard® Rotary	XX	XX	XX	Shut off speader anytime you stop. For complete coverage make each pass about five feet from the previous one, so some overlapping occurs.

\* 1 lb/1,000 sq. ft. is equivalent to 0.5 lb/500 sq. ft.

Use this product for the control of:

Ants (including Carpenter, Red Harvester, Pavement, Odorous, Pyramid, Argentine, Pharaoh, Fire Ants and Foraging Fire Ants)  
Armyworms  
Billbugs  
Centipedes  
Chinch Bugs

Crickets  
Cutworms  
Earwigs  
European Crane Fly  
Fleas  
Grasshoppers  
Leafhoppers  
Mealybugs

Millipedes  
Mole Crickets  
Sod Webworms (Lawn Moth)  
Spiders  
Ticks (including ticks that transmit Lyme Disease)  
Weevils (including Hyperodes)

**HOW TO USE**

**Insects (listed above):** Uniformly apply 1 to 2 pounds over a 1,000 sq. ft. area of lawn using a spreader designed for the application of granular materials. A 10-pound bag will treat a 5,000 sq. ft. to 10,000 sq. ft. area of lawn. [A 20-pound bag will treat a 10,000 sq. ft. to 20,000 sq. ft. area of lawn.] Best results are obtained if the treated area is thoroughly water immediately after application.

**For Centipedes, Millipedes, Pavement Ants:** Uniformly apply 4 pounds over a 1,000 sq. ft. area of lawn. Best results are obtained if the treated area is thoroughly water immediately after application.

**For Mole Crickets:** Uniformly apply 2 to 4 pounds over a 1,000 sq. ft. area of lawn. For best results, treat in late spring and water thoroughly immediately after application.

**For Fire Ant Mounds:** Uniformly apply 1 tablespoon or 3 teaspoons\*\* of granules to the surface of each mound. For best results: 1) Apply in cool weather, 65 to 80° F, in early morning or late evening hours. 2) Avoid disturbing ants. 3) Treat new mounds as they appear. 4) Thoroughly water the treated area after application.

**\*\*Food utensils such as tablespoons/teaspoons must not be used for food purposes after use in measuring pesticides.**

<b>SPREADER TIPS</b>				
<b>SPREADER</b>	<b>SPREADER SETTINGS</b> Pounds of Product / 1,000 sq. ft.			<b>DIRECTIONS</b>
	1 lb*	2 lbs	4 lbs	
<b>Scotts Drop Spreader</b>	XX	XX	XX	Mow lawn first if grass is tall enough to touch the bottom of the spreader. First apply two header strips. Operate spreader the longest way of the lawn. Overlap wheel marks to ensure uniform coverage. Shut off spreader when you have reach the header strips or stopped.
<b>Scotts EasyGreen® Rotary</b>	XX	XX	XX	Slide shut-off lever to the right; application automatically starts and stops when you do. For complete coverage make each pass about 30 inches from the previous one, so some overlapping occurs.
<b>Scotts SpeedyGreen® or Edgeguard® Rotary</b>	XX	XX	XX	Shut off speader anytime you stop. For complete coverage make each pass about five feet from the previous one, so some overlapping occurs. Avoid applying this product on flower, vegetable and shrub plantings.

When using other spreaders, calibrate the spreader settings based on the manufacturer's recommendations.

**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. For rigid containers after partial use, replace lids and close tightly. For bags after partial use, reseal opened bag by folding top down and securing.

**PESTICIDE CONTAINER DISPOSAL:**

**If empty:** Do not reuse this container. Place in trash or offer for recycling if available.

**If partly filled:** Call your local solid waste agency or 1-800-CLEANUP for disposal instructions. Never place unused product down any indoor or outdoor drain.

**Conditions of Sale and Limitation of Warranty and Liability:**

**NOTICE:** Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product should be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Desirable plant injury, ineffectiveness, or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions beyond the control of Nufarm or Seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold Nufarm and Seller harmless for any claims relating to such factors.

**Seller warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the Directions for Use when used in accordance with the directions under normal conditions of use. NUFARM MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE, NOR ANY OTHER EXPRESS OR IMPLIED WARRANTIES WITH RESPECT TO THE SELECTION, PURCHASE OR USE OF THIS PRODUCT. Any warranties, express or implied, having been made are inapplicable if this product has been used contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to (or beyond the control of) Seller or Nufarm, and Buyer assumes the risk of any such use.**

To the extent allowed by law, Nufarm or Seller shall not be liable for any incidental, consequential or special damages resulting from the use or handling of this product. THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF NUFARM AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR AT THE ELECTION OF NUFARM OR SELLER, THE REPLACEMENT OF PRODUCT.

This Conditions of Sale and Limitation of Warranty and Liability may not be amended by any oral or written agreement.

(022206)

#### OPTIONAL MARKETING TEXT

- Insect Protection
- Lawn Insect Protection
- Treats 5,000 Square Feet for insect control
- Kills Insects, Fleas & Ticks
- Treats up to 5,000 Square Feet for insect control
- Specially formulated for lawns
- Protects against listed damaging insects
- Low odor formula
- Fast Acting against insects, spiders and ticks
- Easy-to-use granules
- Ready-to-spread granules
- Easy to apply
- Fire Ant Killer
- Kills fire ants fast
- Kills mole crickets
- Kills most outdoor pests in lawns and around homes
- Broad-spectrum
- Multi-Purpose Insect Killer
- Kills pests on contact
- Not harmful to lawn grasses
- Kills insects that cause your lawn to thin and turn brown
- Kills lawn-damaging insects that cause your lawn to thin and turn brown
- Kills fleas and ticks
- Kills ticks that may transmit Lyme Disease
- Corrects most lawn insect problems (for grub control, use Scotts GrubEx)
- Controls many lawn insect problems
- Apply at first signs of insect damage or activity
- Corrects many lawn insect problems
- Controls chinch bugs, sod webworms (lawn moth), fleas, ticks (including ticks that may transmit Lyme Disease), and other lawn pests listed on the back
- A 10-lb bag treats up to 10,000 sq. ft.
- Treats up to 10,000 sq. ft. – 100%/twice more than 5,000 sq. ft. bags (for 10# bag)
- 2 X More Coverage\* – vs Standard 5,000 sq. ft. Bags
- Treats up to 20,000 sq. ft. – 100%/twice more than 10,000 sq. ft. bags (for 20# bag)
- Kills [insects/pests] above and/& below the [lawn] surface
- Kills insects in/& under the lawn
- Guaranteed kill or your money back

**OPTION IB. Directions for Use for the ORTHO Group of The Scotts Company (Use on Lawns, Home Foundations/Perimeter Treatment, Ornamental and Flower Gardens, Vegetable Gardens)**

- Kills in 24 hours
- Kills overnight
- Kills over 50 insects
- Kills [insects] on contact
- Use on residential lawns, home perimeters, ornamental & flower gardens, and vegetables
- Use on lawns, [ornamentals, vegetables] [&] as a barrier treatment around home foundations
- Kills [nuisance] pests/insects around home foundations
- Use around outside of homes, porches and/& patios
- One application kills/controls for up to 3 months
- Long-lasting! [Up to] 3-month control
- Up to 3-month control
- Kills insects on contact [and keeps on killing] for [up to] 3 months
- Kills above and below the surface for [up to] 3 months
- Kills and/& prevents/protects for [up to] 3 months
- Keeps [on] killing for [up to] 3 months
- One application controls insects/bugs/pests for the entire season
- One application provides season-long control
- One application...season-long control
- Apply once for season-long control
- Season-Long Control
- Fast Acting
- Easy-To-Use
- For use on lawns, ornamentals, home perimeter/foundation, vegetables, and flower beds/gardens
- Kills chinch bugs, mole crickets, cutworms, billbugs, European crane fly, [and other listed lawn damaging/destroying] insects/pests [on contact]