

 <p>U.S. ENVIRONMENTAL PROTECTION AGENCY Office of Pesticide Programs Registration Division (7505C) 1200 Pennsylvania Ave., N.W. Washington, D.C. 20460</p> <p><b>NOTICE OF PESTICIDE:</b> <u>  x  </u> Registration <u>      </u> Reregistration</p> <p>(under FIFRA, as amended)</p>	EPA Reg. Number: <b>228-482</b>	Date of Issuance: <b>NOV - 9 2005</b>
	Term of Issuance: <b>Conditional</b>	
	Name of Pesticide Product: <b>Bifenthrin 0.115% Granular Insecticide</b>	
Name and Address of Registrant (include ZIP Code):  <b>Nufarms America, Inc. 1333 Burr Ridge Parkway, Suite 125A Burr Ridge, IL 60527</b>		
<p><b>Note:</b> 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.</p> <p>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.</p> <p>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.</p> <p><b>This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:</b></p> <ol style="list-style-type: none"> <li><b>1. Submit and/or cite all data required for registration/ reregistration of your product when the Agency requires all registrants of similar products to submit data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.</b></li> <li><b>2. Make the labeling changes listed below before you release the product for shipment:</b> <ol style="list-style-type: none"> <li><b>a. Add the phrase "EPA Registration No. 228-482".</b></li> <li><b>b. In the Note to Physician, change "the milk" to "milk".</b></li> </ol> </li> </ol>		
Signature of Approving Official:	Date: <b>NOV - 9 2005</b>	

3. Submit two (2) copies of your final printed labeling before you release 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 constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

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# BIFENTHRIN 0.115% GRANULAR

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 BACK 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

**ACCEPTED  
with COMMENTS  
In EPA Letter Dated:  
NOV - 9 2005**

*Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
as amended, for the pesticide  
registered under EPA Reg. No.  
249674-402*

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

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



NET WEIGHT 10 lbs (4.54 kg)

000228-00000.20050831

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

**CAUTION**

Harmful if absorbed through the skin. 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.

<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, the 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. Directions for Use for the ORTHO Group of The Scotts Company (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 not 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 LAWN INSECT CONTROL to kill and control:**

- |            |         |  |
|------------|---------|--|
| Fire Ants  | Fleas   | Ticks (including ticks that may transmit Lyme Disease) |
| Centipedes | Spiders |  |
| Chiggers   |         |  |

**Use LAWN INSECT CONTROL to kill and provide residual control of:**

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

For grub control, apply GrubEx® Season-Long Grub Control anytime from late-April to mid-August.

**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:** For best results, treated area should be thoroughly watered immediately after application.

**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.
- 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.**

**LAWN INSECT CONTROL 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				
For best results, use a Scotts® spreader.				
SPREADER	SPREADER SETTINGS			DIRECTIONS
	Pounds of Product / 1,000 sq. ft.			
	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 spreader 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.

**OPTION IA. Directions for Use for the ORTHO Group of The Scotts Company (Lawn Use Only)**

**PRODUCT FACTS**

**SURFACE-FEEDING LAWN INSECTS**

Use **LAWN INSECT CONTROL** for the control of:

- |   |                    |  |
|---|--------------------|--|
| Ants (including Carpenter, Red Harvester, Pavement, Odorous, Pyramid, Argentine, Pharaoh, Fire Ants and Foraging Fire Ants) | Crickets           | Millipedes   |
| Armyworms   | Cutworms           | Mole Crickets                                      |
| Billbugs  | Earwigs            | Sod Webworms (Lawn Moth)                           |
| Centipedes  | European Crane Fly | Spiders  |
| Chinch Bugs   | Fleas              | Ticks (including ticks that transmit Lyme Disease) |
|   | Grasshoppers       | Weevils (including Hyperodes)                      |
|   | Leafhoppers        |  |
|   | Mealybugs          |  |

**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>				
For best results, use a Scotts® spreader.				
SPREADER	SPREADER SETTINGS			DIRECTIONS
	Pounds of Product / 1,000 sq. ft.			
	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 spreader 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.

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### 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.

(083105)

### OPTIONAL MARKETING TEXT FOR BIFENTHRIN 0.015% GRANULAR

#### OPTION IA. Directions for Use for the ORTHO Group of The Scotts Company (Lawn Use Only)

- Insect Protection
- Lawn Insect Protection
- Treats 5,000 Square Feet for insect control
- Kills Insects, Fleas & Ticks
- Ortho's patented technology
- 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

**[\*\*SATISFACTION GUARANTEED OR YOUR MONEY BACK]**

**LAWN INSECT CONTROL** is a high-performance product and is:

- o Virtually Odor-free
- o Fast Acting
- o Easy-To-Use
- o Not harmful to grasses

**NOTICE:** Buyer assumes all responsibility for safety and use not in accordance with directions.

**Questions, Comments or Medical Information**  
 call 1-800-225-2883  
[www.ortho.com](http://www.ortho.com)

**\*\* THE ORTHO GUARANTEE**

If you are not satisfied with the results after using this product, return the original proof-of-purchase and original receipt to your ORTHO Dealer or send to: The ORTHO Group, Consumer Affairs Dept., P.O. Box 1749, Columbus, OH 43216.

**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 [Guaranteed]
- 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]

**OPTION II: Directions for Use for the Consumer Lawns Business Group of The Scotts Company**

**[BOTTOM FRONT]**

**Treats XXXX Square Feet**

**[Above will be inverted on back of bag]**

Scotts Lawn Insect Control (XXXX - stock number)

**[LEFT GUSSET]**

[UPC Code]

Treats XX,XXX Square Feet

Scotts Lawn Insect Control (XXXX - stock number)

**[RIGHT GUSSET]**

[UPC Code]

Treats XX,XXX Square Feet

Scotts Lawn Insect Control (XXXX - stock number)

**[BACK PANEL]**

**[DIAGONAL LINE - SCISSORS ART]**

----- CUT HERE TO OPEN -----

**Optional Back Panel Claims**

Kills lawn-damaging insects, spiders, fleas and ticks. For grub control, apply Scotts GrubEx season-long grub control anytime from late-April to mid-August.

OR

Insect Control – controls chinch bugs, sod webworms (lawn moths) and other lawn insects. For grub control, apply Scotts GrubEx anytime from late-April to mid-August.

OR

LAWN INSECT CONTROL is a high-performance product and is:

- o Virtually Odor-free
- o Fast acting
- o Easy-To-Use
- o Broad Spectrum
- o Effective in killing Insects, Spiders, Fleas, and Ticks

**WHAT TO EXPECT**

LAWN INSECT CONTROL kills these lawn pests:

Ants (including carpenter, red harvester, pavement, odorous, pyramid, argentine, and pharaoh)  
Armyworms  
Billbugs  
Centipedes  
Chinch Bugs  
Crickets

Cutworms  
Earwigs  
European Crane Fly  
Fire Ants  
Fleas  
Foraging Fire Ants  
Grasshoppers  
Leafhoppers

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

**KEY PRODUCT FACTS**

**HOW AND WHEN TO APPLY**

**Directions for Use**

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

- Apply product to the entire lawn when insect activity or damage is first observed.
- Spread uniformly over your lawn using the suggested spreader settings. For best results, use a Scotts spreader.
- Water-in product after application.
- Do not use any other weed, disease, or insect control products for at least one week after application.
- For grub control, apply Scotts GrubEx between late-April and mid-August.

**OPTION II: The Consumer Lawns Group**

[Phone Art]

**Questions/Information**

**Consumer Helpline:**  
**1-800-543-TURF (8873)**

[Computer Art]

**Visit our website:**  
[www.scottslawn.com](http://www.scottslawn.com)

Scotts No-Quibble Guarantee\* (XXXX - stock number)  
If for any reason you are not satisfied with results after using this product, you are entitled to get your money back. Simply send us evidence of purchase, and we will mail you a refund check promptly.

Product of U.S.A.

©2001, The Scotts Company  
World rights reserved.

[UPC Code]

[BOTTOM BACK]

**Treats XX,XXX Square Feet**

[Above copy will be inverted]