



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

EPA Reg. Number:
228-494

Date of Issuance:
SEP 7 2006

Term of Issuance:
Conditional

Name of Pesticide Product:
Bifenthrin 0.1% 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. 228-494 ."
 - 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

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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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d) Add, "Do not allow children or pets to enter the area until dry", to Directions For Use section.

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 3/9
 SEP 7 2006
 Under the Federal Insecticide,
 Fungicide, and Rodenticide Act,
 as amended, for the pesticide
 registered under EPA Reg. No.
 228-494

BIFENTHRIN 0.1% GRANULE

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

ACTIVE INGREDIENT:	By Wt.
Bifenthrin*	0.1%
OTHER INGREDIENTS:	99.9%
TOTAL:	100.0%

*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

000228-00000.20060222.

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

Harmful if absorbed through skin. Avoid contact with skin or clothing. Wash thoroughly with soap and water after handling, and before eating, drinking, chewing gum or using tobacco.

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 directly to water. Do not contaminate water when disposing of equipment washwaters or rinsate.

DIRECTIONS FOR USE

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

This product is a high-performance product and is:

- Virtually Odor-free.
- Fast Acting.
- Easy-to-Use.
- Broad Spectrum.
- Kills Ants, Fleas, Spiders, Ticks & Other Insects.
- Not harmful to grasses.
- For use on lawns, home perimeter, ornamental & flower gardens.
- For Outdoor Multi-insect control.
- Kills Lawn & Garden pests/insects/bugs.
- Kills/controls pests/insects/bugs in lawns & landscapes.

This product is designed for use as a ready-to-use granular insecticide to control various insects and spiders on lawns, home perimeter, ornamental & flower gardens. See specific pests for recommended level. Irrigating or watering by 0.1 to 0.5 inches immediately after application generally improves the effectiveness of this product. Please read the following "Directions for Use" carefully and fully before applying this product.

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, 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, HOME PERIMETER, ORNAMENTAL & FLOWER GARDENS
SURFACE-FEEDING INSECTS**

Use this product for the control of ants, including Carpenter, Red Harvester, Odorous Pyramid, Pharaoh (Sugar) and Fire Ants*, Foraging Fire Ants, Armyworms (including Fall Armyworms), Billbug (including Bluegrass Billbug), Chiggers, Chinch Bugs, Crickets, Cutworms (including Black Cutworms), Earwigs, Grasshoppers, Mealybugs, Sod Webworms (Lawn Moth), and Weevils (including Hyperodes and Bluegrass). Uniformly apply 1.2 to 2.4 pounds over a 1,000 square feet area by using any hand- or power-operated gravity or rotary type spreader designed for the application of granular materials. A 12-pound bag will treat a 5,000 to 10,000 square feet area. *Optional language.* [XX pound bag should treat XX,XXX square feet. This would be used for a bag size other than 12 pounds. The rate of application i.e. 1.2 to 2.4 pounds of product over 1,000 square feet will remain the same.] Treat when insects first appear and retreat as necessary. Repeat application is necessary only if there are signs of renewed insect activity. Repeat application should be limited to no more than once per seven days.

*Aids in control

Argentine Ants, Black Turf Ants, Black Turfgrass Ataenius, Fleas (including Cat Fleas), Leafhoppers, Spiders (including Brown Recluse spiders) and Ticks (including Brown Dog Ticks)

Uniformly apply 2.4 pounds over a 1,000 sq. ft. area. Best results are obtained if the treated area is thoroughly watered immediately after application.

Centipedes, Millipedes, Pavement Ants

Uniformly apply 4.8 pounds over a 1,000 sq. ft. area. Best results are obtained if the treated area is thoroughly watered immediately after application.

Mole Crickets (including Tawny Mole Crickets)

Uniformly apply 2.4 to 4.8 pounds over a 1,000 sq. ft. area. For best results, treat in late spring, and water the treated area immediately after application.

For Fire Ant Mounds

To control Fire ants, uniformly apply 1 tablespoon or 3 teaspoons** of this product to the surface of each mound. For best results, 1) apply in cool weather, 65 to 80°F, or in early morning or late evening hours. 2) avoid disturbing ants, 3) treat new mounds as they appear and 4) thoroughly water the treated area immediately after application.

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

Home Vegetable Gardens

How to Apply

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 5 cups (1.2 lbs.) of product for a 500 sq. ft. area

Vegetables	Days to wait to harvest	Pests
Green Peas, Edible Pods (Sugar Snap Peas, Snow Peas) Green Beans (Wax Beans, Snap Beans) Dry Beans (Black-eyed Peas, Cowpea)	3 Days	Ants, cutworms, crickets, earwigs, grasshoppers, grubs, seed maggots, weevils and wireworms.
Sweet Corn	1 Day	Ants, armyworm, cutworms, crickets, earwigs, European corn borer, fall armyworm, grasshoppers, southwestern corn borer and weevils.
Broccoli, Brussels Sprouts, Cabbage, Cauliflower, Cavalo Broccoli, Chinese Broccoli, Chinese Cabbage, Kohlrabi	7 Days	Ants, cutworms, crickets, earwigs, grasshoppers, grubs, seed maggots, weevils and wireworms.
Cucurbit Vegetables Chayote, Citron melon, Cucumber, Edible Gourd Muskmelon (Cantaloupe, casaba, Crenshaw melon, Golden melon, Honeydew Melon, Pineapple melon, Santa Claus melon, Snake melon) Pumpkin, Summer squash (Crookneck, Scallop, Straightneck, Zucchini) Winter squash (Butternut, Calabaza, Hubbard including Acorn and Spaghetti) Watermelon	3 Days	Ants, cutworms, crickets, earwigs, grasshoppers, grubs, seed maggots, weevils and wireworms.
Peppers	7 Days	Ants, cutworms, crickets, earwigs, grasshoppers, grubs, seed maggots, weevils and wireworms.
Eggplant	7 Days	Ants, cutworms, crickets, earwigs, grasshoppers, grubs, seed maggots, weevils and wireworms.
Head Lettuce	7 Days	Ants, cutworms, crickets, earwigs, grasshoppers, grubs, seed maggots, weevils and wireworms.

Home Vegetable Garden Spreader Tips		
Spreader	5 cups (1.2 lbs.) of product for 500 sq. ft.	Directions
Scotts AccuGreen® Drop Spreader	3-1/4	Operate spreader the longest way of the garden area. Overlap wheel marks to ensure uniform feeding. Shut off spreader when you have reached the header strips or stopped.
Scotts SpeedyGreen® Rotary	2	Shut off spreader anytime you stop. For complete coverage make each pass about five feet from the previous one, so some overlapping occurs

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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. After partial use replace lids and close tightly. For bags after partial use, reseal open 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 Text]

This product is a high-performance product and is:

- [Virtually Odor-free]
- [Fast Acting]
- [Easy-to-Use]
- [Not harmful to grasses]
- For use on lawns, ornamentals, home perimeter and flower gardens.
- For Outdoor Multi-insect control.
- Kills/controls pests/insects/bugs in lawns & landscapes.
- *Kills Ants, Fleas, Ticks and other pests/insects/bugs.*
- Controls/kills lawn-destroying/lawn-invading pests/insects/bugs.
- Covers/Treats up to 8,300 sq. ft. per 10 lbs.
- Covers up to 16,600 sq. ft. per 20 lbs.
- Covers up to 5,000 sq. ft. per 6 lbs.
- *Creates a pest/insect/bug barrier around your home.*
- Exceptional Value!
- Kills Chinch Bugs, Mole Crickets and Cutworms, plus other listed insects.
- Kills surface and sub-surface pests/insects/bugs that ruin your lawn.
- Ready-to-use.
- Easy to spread.
- Soil-penetrating formula reaches deep below ground.
- Deep-reaching formula that kills lawn-destroying insects.
- Provides a barrier of protection around your home.
- Guaranteed to work or your money back.
- Satisfaction Guaranteed.
- The smart solutions to pest/insect/bug problems.
- Solves your pest/insect/bug problems fast.
- Outdoor use only (icon).
- Keeps [Lawn] Insects Away for Up to 2 Months [8 weeks].
- Kills Tough Lawn Insects [and Keeps Them Away for Up to 2 Months [8 weeks]]

Ornamental Flower Beds (Outdoors)

Pests Controlled: Ants, crickets, earwigs, grasshoppers, spiders and ticks.

How to Apply: Evenly apply 1.2 lb. of product for every 500 sq. ft. area. Repeat application as necessary only if there are signs of renewed insect activity. Repeat application should be limited to no more than once per seven days.

Home Invading insects: Barrier Treatment Around House Foundation (Outdoors)

Pests Controlled: Ants, chiggers, crickets, earwigs, grasshoppers, spiders and ticks.

How to Apply: Evenly apply a 2-foot band of granules next to the house foundation Use 1.2 lb. for each 500 sq. ft. (2 ft. X 250 ft.) If necessary, repeat applications every 2 weeks only if there are signs of renewed insect activity.

SPREADER TIPS		
Spreader	Spreader Settings covers x,xxx sq. ft.	Directions
Scotts Drop Spreaders	?	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 feeding. Shut off spreader when you have reached the header strips or stopped.
Scotts Easy Green® Rotary	??	Side 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® Rotary	?	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.

(Bag Size specific)

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SPREADER TIPS		
Spreader	Spreader Settings Pounds of Product per 500/1,000 sq. ft. 0.5/1.2 1.2/2.4 2.4/4.8	Directions
Scotts AccuGreen® Drop Spreader	3-1/4 4-1/2 6	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 feeding. Shut off spreader when you have reached the header strips or stopped.
Scotts SpeedyGreen® Rotary	2 2-3/4 4-1/2	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.

This product is a high-performance product, and is:

- The smart solutions to pest/insect/bug problems.
- Solves your pest/insect/bug problems fast.
- Keeps [Lawn] Insects Away for Up to 2 Months [8 weeks].
- Kills Tough Lawn Insects [and Keeps Them Away for Up to 2 Months [8 Weeks]].

Vegetable Garden Insect Control

How to Apply

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 5 cups (1.2 lbs.) of product for a 500 sq. ft. area.

Vegetables	Days to wait to harvest	Pests
Green Peas, Edible Pods (Sugar Snap Peas, Snow Peas) Green Beans (Wax Beans, Snap Beans) Dry Beans (Black-eyed Peas, Cowpea)	3 Days	Ants, cutworms, crickets, earwigs, grasshoppers, grubs, seed maggots, weevils and wireworms.
Sweet Corn	1 Day	Ants, armyworm, cutworms, crickets, earwigs, European corn borer, fall armyworm, grasshoppers, southwestern corn borer and weevils.
Broccoli, Brussels Sprouts, Cabbage, Cauliflower, Cavalo Broccoli, Chinese Broccoli, Chinese Cabbage, Kohlrabi	7 Days	Ants, cutworms, crickets, earwigs, grasshoppers, grubs, seed maggots, weevils and wireworms.
Cucurbit Vegetables Chayote, Citron melon, Cucumber, Edible Gourd Muskmelon (Cantaloupe, casaba, Crenshaw melon, Golden melon, Honeydew Melon, Pineapple melon, Santa Claus melon, Snake melon) Pumpkin, Summer squash (Crookneck, Scallop, Straightneck, Zucchini) Winter squash (Butternut, Calabaza, Hubbard including Acorn and Spaghetti) Watermelon	3 Days	Ants, cutworms, crickets, earwigs, grasshoppers, grubs, seed maggots, weevils and wireworms.
Peppers	7 Days	Ants, cutworms, crickets, earwigs, grasshoppers, grubs, seed maggots, weevils and wireworms.
Eggplant	7 Days	Ants, cutworms, crickets, earwigs, grasshoppers, grubs, seed maggots, weevils and wireworms.
Head Lettuce	7 Days	Ants, cutworms, crickets, earwigs, grasshoppers, grubs, seed maggots, weevils and wireworms.

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HOME VEGETABLE GARDEN SPREADER TIPS		
Spreader	5 cups (1.2 lbs.) of product for 500 sq. ft.	Directions
Scotts AccuGreen® Drop Spreader	3-1/4	Operate spreader the longest way of the garden area. Overlap wheel marks to ensure uniform feeding. Shut off spreader when you have reached the header strips or stopped.
Scotts SpeedyGreen® Rotary	2	Shut off spreader anytime you stop. For complete coverage make each pass about five feet from the previous one, so some overlapping occurs.

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