

228-441

08/07/2006

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**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**

WASHINGTON, D.C. 20460

OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

August 7, 2006

George Meindl  
Registration Manager  
Nufarm Americas Inc.  
150 Harvester Drive Suite 200  
Burr Ridge, IL 60527

Subject: Label Amendment – Change in formulation  
Bifenthrin 0.086% Plus Fertilizer  
EPA Reg. No. 228-441  
Your Submission Dated: March 22, 2006

Dear Mr. Meindl:

We have now reviewed the data submitted in support of a change in formulation. The confidential Statement of Formula (CSF), dated March 5, 2006 is acceptable and has been inserted in the file for the subject product. This CSF replaces all previously accepted CSF's.

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable subject to the comments listed below. Two (2) copies of the finished labeling must be submitted prior to releasing the product for shipment. A stamped copy of the label is enclosed for your records.

1. You may delete "Causes minimal eye irritation" from Precautionary Statements. The acute toxicity category for primary eye irritation is IV. You may also delete the first aid, "If in eyes" statement.

2. Use of the word "New" in the Optional Marketing text below can be used on labeling produced within six months from the date of this accepted amendment:
- a. NEW! Summer Formula
  - b. New! Formula with Micro Max Micronutrients

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

Sincerely,

A handwritten signature in cursive script, appearing to read "George T. LaRocca".

George T. LaRocca  
Product Manager (13)  
Insecticide Branch  
Registration Division (7505P)

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# BIFENTHRIN 0.086% PLUS FERTILIZER

<b>ACTIVE INGREDIENT:</b>	
Bifenthrin* .....	0.086%
<b>OTHER INGREDIENTS:</b> .....	
TOTAL: .....	100.000%

\*Cis isomers 97% minimum, trans isomers 3% maximum.  
CAS 82657-04-3

REFER TO FERTILIZER TAG FOR ANALYSIS

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

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

EPA REG. NO. 228-441  
EPA EST. NO.

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



NET CONTENTS      LBS.

000228-00441.20060322.

ACCEPTED  
with COMMENTS  
In EPA Letter Dated  
AUG 7 2006  
Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
as amended, for the pesticide  
registered under EPA Reg. No.  
228-441

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

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

<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>IF IN EYES</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15 to 20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</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. Do not apply directly to water. Do not contaminate water by cleaning of equipment or disposal of equipment washwaters.

**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

Apply product to the entire lawn when insect activity or damage is first observed. Spread uniformly over your lawn using the suggested spreader settings. Apply to a dry lawn. Water in product after application. Do not use any other weed, disease or insect control products for at least one week after application

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).

Do make a single repeat application of this product if there are signs of renewed insect activity but not sooner than two weeks after first application.

**PESTS CONTROLLED**

This product controls (or kills) these lawn pests:

- |   |  |   |
|---|--|---|
| <ul style="list-style-type: none"> <li>Ants (black turf, carpenter, red harvester, odorous pyramid, argentine, and pharaoh (sugar)</li> <li>Armyworms (including fall armyworms)</li> <li>Billbugs (including Bluegrass billbugs)</li> <li>Black Turfgrass Ataenius</li> <li>Chiggers</li> <li>Chinch Bugs</li> <li>Crickets</li> </ul> | <ul style="list-style-type: none"> <li>Cutworms (including black cutworms)</li> <li>Earwigs</li> <li>European Crane Fly</li> <li>Fleas (including cat fleas)</li> <li>Grasshoppers</li> <li>Leafhoppers</li> <li>Mealybugs</li> <li>Mole Crickets (including tawny mole crickets)</li> </ul> | <ul style="list-style-type: none"> <li>Sod webworms (lawn moth)</li> <li>Spiders (including brown recluse spiders)</li> <li>Ticks (including ticks that may transmit Lyme Disease)</li> <li>Weevils (including annual bluegrass weevils)</li> </ul> |
|---|--|---|

**RECOMMENDED SPREADER SETTINGS**

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.

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.

**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, well ventilated place and avoid excess heat. For bags after partial use, reseal opened bag by folding top down and securing.

**CONTAINER DISPOSAL:** Do not reuse empty bag. Discard bag in trash.

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

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>

**WARRANTY**

Seller warrants that this insecticide conforms to the chemical description on its label. When used in accordance with label directions under normal conditions, this insecticide is reasonably fit to its intended purposes. Since timing, method of application, weather, plant and soil conditions, mixtures with other chemicals, and factors affecting the use of this product are beyond our control, no warranty is given concerning the use of this product contrary to label directions or under conditions which are abnormal or not reasonably foreseeable. The user assumes all risks of any such use. (RV060905)

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#### OPTIONAL MARKETING TEXT FOR BIFENTHRIN 0.086% PLUS FERTILIZER

- Treats and Feeds 5,000 Square Feet (13.35 lb or 6.05 kg bag)
- Available only at authorized Scotts® Lawn Pro® Retailers
- Controls Many Lawn Insect Problems
- For Best Results, Apply a Scotts Annual Program
- For Best Results, Apply a Scotts Annual Lawn Care Program
- For Best Results, Apply a Scotts Annual Lawn Care Program and allow two months between applications.
- Thicker, Greener Turf
- Satisfaction Guaranteed
- For grub control, apply Scotts GrubEx season-long grub control between late April and mid-August
- Builds Thick, Green Lawns
- Builds thick, green turf from the roots up without burning your lawn
- Kills insects that cause your lawn to thin and turn brown
- Kills surface insects that cause your lawn to thin and turn brown
- Heat-friendly formula won't burn your lawn – GUARANTEED!
- Kills insects
- Corrects many lawn insect problems
- Corrects most lawn insect problems (for grub control, use Scotts GrubEx®)
- All-in-One Particles™ provide even insect control and feeding!
- All-in-One Particles deep feed and protect every square inch of your lawn
- Apply in Summer: June – August
- Scotts Best Annual Program for a Picture Perfect Lawn
- Specially formulated with Scotts Poly S timed-release fertilizer, used by Landscape Professionals
- Controls chinch bugs, sod webworms (lawn moths), fleas, ticks (including ticks that may transmit Lyme Disease) and other lawn pests listed on the back.
- Contains both readily available nitrogen for quick green-up and controlled release nitrogen for uniform growth and extended feeding.
- NEW! Summer Formula\*
- New! Formula with MicroMax Micronutrients\*
- MicroMax Micronutrients help strengthen lawn against heat, drought, and wear and tear
- More greening power than Turf Builder with SummerGuard
- Summer Application
- Feeds your lawn and controls ants, fleas and many lawn damaging insects
- (A 13.35 lb bag) Treats and Feeds 5,000 square feet
- (A 13.35 lb bag) This package should cover 5,000 square feet (for example 50 feet x 100 feet)
- (A 40.05 lb bag) Treats and Feeds 15,000 square feet
- (A 40.45 lb bag) Treats and Feeds 15,150 square feet
- For best results use a Scotts spreader.
- Dedicated to a Beautiful World – Trusted by generations of homeowners, Scotts is dedicated to helping you enhance and protect the natural beauty of your home environment.
- Scotts – the Lawn people – Marysville, Ohio 43041
- US Patent Information and Number
- Product of the USA

\* Per EPA approval letter, the claim "New" can only be used on labeling produced within six months from the Notice of Registration date

#### • Scotts No-Quibble Guarantee

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.

If for any reason, you, the consumer, are not satisfied 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.

#### • This product is a high performance product specially designed to be used in very low concentrations and is:

- o Virtually odor free
- o Fast acting
- o Easy-to-use
- o Broad Spectrum
- o Kills Insects, Spiders and Ticks

#### • The Scotts Advantage. All-in-One Particles

All-in-One Particles contain plant nutrients and Scotts exclusive insect control ingredient. Scotts provides consistent feeding and insect control to every square inch of turf for a thick, green lawn. Guaranteed!

All-in-One Particles contain nutrients and Scotts exclusive insect control ingredient for a thick, green lawn – guaranteed!

All-in-One = nitrogen, phosphorous, potassium and the insect control ingredient contained in every particle.

#### • Scotts Value Priced Annual Program\*

To improve your lawn, apply the Scotts Lawn Pro® Value-Priced Annual Program. Start anytime, just check the month and apply products at two month intervals

Early spring

February – April

Prevents crabgrass and other weeds while feeding your lawn. (In the Pacific Northwest substitute Turf Builder® with Moss Control. For St. Augustinegrass, substitute Super Bonus® S. For dormant bermudagrass substitute Halts®.)

Late spring

April – June

Kills dandelions and other broadleaf weeds while feeding your lawn (For St. Augustinegrass substitute Super Turf Builder®.)

Summer

June – August

Kills lawn damaging insects, fleas and ticks while feeding your lawn. For grub control, apply Scotts® GrubEx® anytime from April to mid-August.

Early fall

August – November

The best time to feed for a greener, thicker lawn.

Late fall

September – November

4-6 weeks after Early Fall Lawn Fertilizer feeding. Apply as last feeding in fall to help prepare your lawn for winter.

For an even better lawn, consider Scotts Best Annual Program which provides more feeding and weed control. Your Lawn Pro retailer can help you with the selection.

• Scotts Turf Builder with SummerGuard

The Scotts Advantage: All-in-One Particles deep feed and protect every square inch of your lawn. Harsh summer elements such as heat and drought can make your lawn thin, brown, and weak, leaving it vulnerable to insect attacks. When used with a regular watering program, Turf Builder with SummerGuard strengthens and protects your lawn against these warm weather problems. Its unique summer formula deep feeds your turf so that it can grow thicker and greener in hot weather, while at the same time controlling both nuisance and lawn-damaging insects. Plus, every particle in Turf Builder with SummerGuard contains both fertilizer and insect control – giving every square inch of your lawn the nourishment and protection it needs.

Before/After Photo

Heat drought and insect damage, as seen in the photo can be controlled by using Turf Builder with SummerGuard.

• Scotts Lawn Pro Annual Program.

Now it's easy for you to have a better lawn!

Start Anytime. You can begin the Annual Program anytime of the year. Just check the month and select the appropriate STEP listed. Apply the remaining STEPs at two-month intervals.

Simple and Easy. No more guesswork! You simply apply the right product – one STEP at a time.

Guaranteed Results. Each STEP is designed for the specific season to help give you a greener lawn.

(Illustration of the 4-STEP products listed below)

STEP 1, Early Spring, February – April

Crabgrass Preventer plus Fertilizer – prevents crabgrass, foxtail, spurge, oxalis, chickweed and other annual grassy weeds, while providing deep, thick greening for up to 2 months. In the Pacific Northwest, STEP 1 is Turf Builder with Moss Control. For St. Augustinegrass, STEP 1 is Super Bonus S.

STEP 2, Late Spring, April – June

Weed Control Plus Fertilizer – controls dandelion, clover, chickweed and other broadleaf weeds while greening your lawn for up to 2 months. For St. Augustinegrass, STEP 2 is Super Turf Builder.

STEP 3, summer, June – August

Insect Control with Fertilizer – controls chinch bugs, sod webworms (lawn moths) and other lawn insects while greening your lawn through the summer. For grub control, apply Scotts GrubEx anytime from late April to mid-August.

STEP 4, fall, August – November

Lawn Fertilizer – specially formulated for the fall – the best time to develop a stronger root system for a more vigorous, thicker lawn.

Additional Super Winterizing Feeding, Super Winterizing, Late Fall, September – November

Apply 4 to 6 weeks after the Early Fall application. This last feeding in fall will help prepare your lawn for winter and will help your lawn green-up quicker next spring.

[Optional text: 4 to 6 weeks after early fall lawn fertilizer feeding. Apply as last feeding in fall to help prepare your lawn for winter.]

• Scotts Lawn Pro Annual Program.

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Now it's easy for you to have a better lawn! Start anytime. You can begin the Annual Program anytime of the year. Just check the month and select the appropriate STEP listed. Apply the remaining STEPs at two-month intervals.

Simple and Easy. No more guesswork! You simply apply the right product – one STEP at a time.

Guaranteed Results. Each STEP is designed for the specific season to help give you a greener lawn.

(Illustration of the "Super" products listed below)

*Super Turf Builder with Halts Crabgrass Preventer*

Early spring, February – April

Crabgrass Preventer plus Fertilizer – prevents crabgrass, foxtail, spurge, oxalis, chickweed, and other annual grassy weeds while providing deep, thick greening for up to 2 months. In the Pacific Northwest, STEP 1 is TurfBuilder with Moss Control. For St. Augustinegrass, STEP 1 is Super Bonus.

*Super Turf Builder with Plus 2 Weed Control*

Late spring, April – June

Weed Control Plus Fertilizer – controls dandelion, clover, chickweed and other broadleaf weeds while greening your lawn for up to 2 months. For St. Augustinegrass, STEP 2 is Super Turf Builder.

*Super Turf Builder with Insect Control*

Summer, June – August

Insect Control with Fertilizer – controls chinch bugs, sod webworms (lawn moths) and other lawn insects while greening your lawn through the summer. For grub control, apply Scotts GrubEx anytime from late-April to mid-August.

*Super Turf Builder*

Fall, August – November

Lawn Fertilizer – specially formulated for the fall – the best time to develop a stronger root system for a more vigorous, thicker lawn.

*Super Winterizer*

Late Fall, September – November

Apply 4 to 6 weeks after the Early Fall application. This last feeding in fall will help prepare your lawn for winter and will help your lawn green-up quicker next spring.

**OTHER OPTIONAL LANGUAGE/ICONS**

- Icon of human and dog (in precautionary statement)
- Icon of trash can (in storage and disposal statement)
- First Aid icon (by first aid section)
- Phone icon (by emergency or informational phone numbers)
- Computer icon (by website)
- Call Scotts toll-free
- Lawn Success Made Easy™
- Visit Website at [www.xxxxxx](http://www.xxxxxx)
- Your Do-It-Yourself Lawn Care Headquarters
- Photo of Lawn
- Photo of Insects
- Photo of Grass
- Scotts Lawn Pro Retailers can provide you with the do-it-yourself expertise and products to have a beautiful Scotts lawn simply and easily...for less money than hiring a lawn care service. That's why we call them Lawn Pros!
- For additional questions, comments and information, contact the Scotts Lawn Pro retailer where you bought this product or you can contact Scotts directly!
- Lawn Pro® Available only at Authorized Scotts Lawn Pro® Retailers
- Annual Scotts Best Program (icon of seal)
- Step 3™ of 4 Easy Steps to a Better Lawn
- Lawn Pro®
- Turf Builder® with SummerGuard™
- Super Turf Builder® with SummerGuard™
- Photo/Illustration of: ants, chinch bug, fleas, sod webworm, ticks, lawn moth
- Before/After Treatment photos
- Photo/Illustration of Scissors
- Watering in Icon

**OPTIONAL PRODUCT DESCRIPTORS**

- Summer Lawn Fertilizer and Insect Control
- Summerizer® Fertilizer and Insect Control
- Insect Protection and Summer Fertilizer
- Insect Protection and Fertilization
- Insect Control with Fertilizer
- Insect Control with Lawn Fertilizer
- Insect Control plus Lawn Fertilizer