



Bifenthrin Pro

0.2% Nursery Granular Insecticide

SPECIMEN

For Agricultural or Commercial Use Only

For Use as a Quarantine Treatment Against Imported Fire Ants and for Balled and Containerized Nursery Stocks

| Active Ingredient: | By Weight: |
|---------------------------|-------------------|
| Bifenthrin* | .0.2% |
| Inert Ingredients: | 99.8% |
| Total | 100.0% |

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

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

See other panels for additional precautionary information.

FOR PRODUCT USE INFORMATION, CALL
1-800-545-9525

FOR MEDICAL AND TRANSPORTATION EMERGENCIES ONLY, CALL 24 HOURS A DAY
1-800-832-HELP (1-800-832-4357)

FOR MORE INFORMATION, PLEASE VISIT OUR WEB SITE
www.turfacts.com

EPA REG. NO. 51036-396
AD 071603

EPA EST. NO.

NET CONTENTS: _____

**Manufactured By:
MICRO FLO COMPANY LLC
P.O. BOX 772099
MEMPHIS, TN 38117**

| 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 15-20 minutes. • Call a poison control center or doctor for treatment advice. |
| 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. |
| Have the product container or label with you when calling a poison control center or doctor or going for treatment. | |

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS (AND DOMESTIC ANIMALS)

Caution. Harmful if absorbed through skin. Avoid contact with skin, eyes or clothing.

EMERGENCY NUMBERS:

- Transportation or spill:
call CHEMTREC 800-424-9300.
- Human health:
call 1-800-832-HELP (1-800-832-4357).
- Animal health:
call ASPCA at 800-345-4735.

PERSONAL PROTECTIVE EQUIPMENT

Applicators and other handlers must wear:

1. Long sleeved shirt and long pants
2. Waterproof gloves
3. Shoes and socks

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS

Users Should:

1. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
2. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
3. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

This pesticide is extremely toxic to fish and aquatic invertebrates. Do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply when weather conditions favor drift from treated areas. Drift and run-off from treated areas may be hazardous to aquatic organisms in neighboring areas. 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.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry to treated areas during the restricted entry interval (REI) of 12 hours. EXCEPTION: If the product is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

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PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil or water, is:

1. Coveralls.
2. Waterproof gloves.
3. Shoes plus socks.

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 close tightly. In case of spill, avoid contact, isolate area and keep out animals and unprotected persons. Confine spills.

TO CONFINE SPILL: Cover to prevent dispersal. Place damaged package in a holding container. Identify contents.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Paper and plastic bags: Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

ORNAMENTAL USE

(For soil incorporation into potting media used in containerized plantings of ornamental trees, shrubs, plants, flowers, conifers, Christmas trees, and nonbearing fruit and nut trees, and bushes.)

APPLICATION INSTRUCTIONS FOR POTTING MEDIA: Determine bulk density of the potting media by measuring the dry weight of a unit volume of the mix. Based on the length of control required, thoroughly mix the appropriate quantity of the **BIFENTHRIN PRO 0.2% Nursery Granular Insecticide** with equipment suitable to give uniform distribution in the potting media. **BIFENTHRIN PRO 0.2% Nursery Granular Insecticide** may be pre-mixed with an appropriate amount of sand (1:10) to ensure adequate distribution of the product of the mix.

BIFENTHRIN PRO 0.2% Nursery Granular Insecticide is approved under the USDA Plant Protection Imported Fire Ant Quarantine Certification program when used in accordance with USDA guidelines. Use the recommended application rates given in the table below to determine the length of control required for certification.

| Pest | USDA IFA Certification Period (months) | App. Rate (ppm) | Potting Media Bulk Density* (lbs. BIFENTHRIN PRO 0.2% Nursery Granular Insecticide Per Cubic Yard) | | | | |
|-------------------|--|-----------------|--|------|-----|------|-----|
| | | | 200 | 300 | 400 | 500 | 600 |
| Imported Fire Ant | 0 - 6 | 10 | 1.0 | 1.5 | 2.0 | 2.5 | 3.0 |
| | 7 - 12 | 12 | 1.2 | 1.8 | 2.4 | 3.0 | 3.6 |
| | 13 - 24 | 15 | 1.5 | 2.25 | 3.0 | 3.75 | 4.5 |
| | Continuous | 25 | 2.5 | 3.75 | 5.0 | 6.25 | 7.5 |

Comments: Incorporate appropriate amount of **BIFENTHRIN PRO 0.2% Nursery Granular Insecticide** in one cubic yard of potting media based on the known bulk density.

FOR GENERAL USE ON ORNAMENTAL PLANTS OUTSIDE THE SCOPE OF USDA GUIDELINES

For Fungus Gnat larvae & Mealybugs use 5 to 10 ppm. For Black Vine Weevil larvae, Root Weevil larvae, White Grubs (including Japanese Beetle, oriental beetle and European chafer larvae), and Imported Fire Ants use 10 to 25 ppm. Use the higher rates for extended residual control.

| Pest | App Rate (ppm) | Potting Media Bulk Density* (lbs. BIFENTHRIN PRO 0.2% Nursery Granular Insecticide Per Cubic Yard) | | | | |
|--------------------|----------------|--|------|-----|------|-----|
| | | 200 | 300 | 400 | 500 | 600 |
| Fungus Gnat Larvae | 5 | 0.5 | .75 | 1.0 | 1.25 | 1.5 |
| Mealybugs | 10 | 1.0 | 1.5 | 2.0 | 2.5 | 3.0 |
| Black Vine Weevil | 10 | 1.0 | 1.5 | 2.0 | 2.5 | 3.0 |
| Root weevil larvae | 15 | 1.5 | 2.25 | 3.0 | 3.75 | 4.5 |
| White Grubs | 25 | 2.5 | 3.75 | 5.0 | 6.25 | 7.5 |
| Imported Fire Ants | | | | | | |

Comments: Incorporate appropriate amount of **BIFENTHRIN PRO 0.2% Nursery Granular Insecticide** in one cubic yard of potting media based on the known bulk density.

$$\text{*lbs. of BIFENTHRIN PRO 0.2\% Nursery Granular Insecticide per cubic yard} = \frac{\text{bulk density of potting media} \times \text{ppm}}{2000}$$

(bulk density = laboratory-determined dry weight of a unit volume of potting media.)

Dealers should sell in original packages only.

TERMS OF SALE OR USE

On purchase of this product, buyer and user agree to the following conditions:

WARRANTY: MICRO FLO COMPANY makes no warranty, expressed or implied, concerning the use of this product other than indicated on the label. Except as so warranted, the product is sold as is. Buyer and user assume all risk of use and/or handling and/or storage of this material when such use and/or handling and/or storage is contrary to label instructions.

DIRECTIONS AND RECOMMENDATIONS: Follow directions carefully. Timing, method of application and weather conditions, mixture with other chemicals not specifically recommended, and other influencing factors in the use of this product are beyond the control of the seller and are assumed by the buyer at his own risk.

USE OF PRODUCT: MICRO FLO COMPANY's recommendations for the use of this product are based upon tests believed to be reliable. The use of this product being beyond the control of the manufacturer, no guarantee, expressed or implied, is made as to the effects of such or the results to be obtained if not used in accordance with directions or established safe practice.

DAMAGES: Buyer's or user's exclusive remedy for damages for breach of warranty or negligence shall be limited to direct damages not exceeding the purchase price paid and shall not include incidental or consequential damages.