



BIFENTHRIN

Nursery Granular Insecticide

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 Wt.
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 or see back panel pamphlet for additional precautionary information and complete directions for use.

FIRST AID

If on skin or clothing * 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.

HOTLINE NUMBER

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For emergency medical assistance, call the National Pesticide Information Center at 1-800-858-7378.

FOR CHEMICAL EMERGENCY:
Spill, leak, fire, exposure, or accident, call CHEMTREC 1-800-424-9300.

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals
CAUTION: Harmful if absorbed through skin. Avoid contact with skin, eyes or clothing.
Personal Protective Equipment (PPE):
Applicators and other handlers must wear:
- Long-sleeved shirt and long pants - Waterproof gloves - 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: - Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. - Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. - 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. Not for use on plants being grown for sale or other commercial use, or for commercial seed production, or for research purposes. For use on plants intended for aesthetic purposes or climate modification and being grown in interior landscapes, ornamental gardens or parks, or lawns or grounds. 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), notification to workers, 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.**

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: Coveralls, Waterproof gloves, Shoes plus socks.

STORAGE AND DISPOSAL

Prohibitions: 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.

SITE	USE PATTERN
Ornamentals – trees, shrubs, plants, flowers, conifers, Christmas trees, Non-bearing fruit and nut trees and bushes	Soil incorporation into potting media.
Herbs -- Angelica; balm; basil; borage; burnet; chamomile; catnip; chervil; chive; chive, Chinese; clary; coriander (leaf); costmary; cilantro (leaf); curry (leaf); dillweed; horehound; hyssop; lavender; lemongrass; lovage (leaf); marigold; marjoram; nasturtium; parsley; pennyroyal; rosemary; rue; sage; savory, summer and winter; sweet bay; tansy; tarragon; thyme; wintergreen; woodruff; and wormwood	Soil incorporation into potting media. Minimum preshipment interval is 70 days.

Application Directions for Potting Media

Measure the dry weight of a unit volume of the mix to determine its bulk density. Based on the length of control required, thoroughly mix the appropriate quantity (see chart below) of Bifenthrin Nursery Granular Insecticide using equipment which will provide uniform distribution in the potting media. For more even distribution, consider premixing Bifenthrin Nursery Granular with an appropriate amount of sand (1:10).

Bifenthrin Nursery Granular 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 obtain the length of control required for certification.

Pest	USDA/IFA Certification Period (mo)	App. Rate (ppm)	Potting Media Bulk Density* (lbs. Nursery Granular 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: Using the chart as a guide, incorporate the appropriate amount of Bifenthrin Nursery Granular Insecticide into one cubic yard of potting media based on the known bulk density.

For General Use on Ornamental Plants outside the scope of USDA guidelines - Use the higher rates for extended residual control.

Pest	App. Rate (ppm)	Potting Media Bulk Density* (lbs. Bifenthrin Granular per Cubic Yard)				
		200	300	400	500	600
Fungus Gnat Larvae	5	0.5	0.75	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: Using the chart as a guide, incorporate the appropriate amount of Bifenthrin Nursery Granular Insecticide into one cubic yard of potting media based on the known bulk density.

*lbs Bifenthrin Nursery Granular per cubic yard
= $\frac{\text{bulk density of potting media} \times \text{ppm}}{2000}$
** including Japanese Beetle, oriental beetle, European chafer larvae
(bulk density = laboratory determined dry weight of a unit volume of potting media)

Dealers Should Sell In Original Packages Only

IMPORTANT INFORMATION

READ BEFORE USING PRODUCT

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. The Directions for Use of this product reflect the opinion of experts based on field use and tests. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions, presence of other materials or other influencing factors in the use of the product, which are beyond the control of Southern Agricultural Insecticides, Inc. or Seller. Handling, storage, and use of the product by Buyer or User are beyond the control of Southern Agricultural Insecticides, Inc. and Seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold Southern Agricultural Insecticides, Inc. and Seller harmless for any claims relating to such factors.

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Net Weight:
50 lb. (22.68 kg)