



LICENSED

PERIOD 2015-2017 LIC. NO. 8026.29



LICENSED

PERIOD 2012-2014 LIC. NO.

LICENSED HAWAII DEPT. OF AGRICULTURE Period 2006-2008 No. 8026.29



LICENSED

PERIOD 2009-2011 LIC. NO.

UP-Star 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

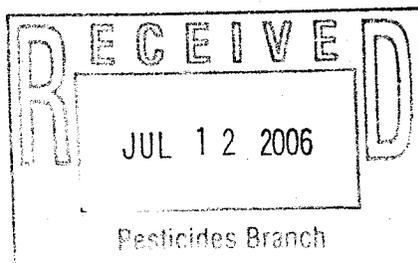
See other panels for additional precautionary information or see back panel pamphlet for additional precautionary information and complete directions for use.

| FIRST AID | |
|--|---|
| If on skin or clothing | <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. | |
| 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.

Manufactured for:
United Phosphorus, Inc.
423 Riverview Plaza • Trenton, NJ 08611
1-800-247-1557 • www.upi-usa.com

EPA Reg. No. 70506-75
EPA Est. No. 44616-MO-01
Net Contents: 25 lbs.



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 plantscapes, 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 UP-Star Nursery Granular Insecticide using equipment which will provide uniform distribution in the potting media. For more even distribution, consider premixing UP-Star Nursery Granular with an appropriate amount of sand (1:10).

| UP-Star 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. UP-Star Nursery Granular per Cubic Yard) | | | | |
| | | | 200 | 300 | 400 | 500 | 600 |
| Imported Fire | 0-6 | 10 | 1.0 | 1.5 | 2.0 | 2.5 | 3.0 |

| | | | | | | | |
|-----|------------|----|-----|------|-----|------|-----|
| Ant | 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 UP-Star 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. UP-Star Nursery 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 UP-Star Nursery Granular Insecticide into one cubic yard of potting media based on the known bulk density.

*lbs UP-Star Nursery Granular Insecticide 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 United Phosphorus, Inc. or Seller. Handling, storage, and use of the product by Buyer or User are beyond the control of United Phosphorus, Inc. and Seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold United Phosphorus, Inc. and Seller harmless for any claims relating to such factors.

United Phosphorus, Inc. warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. This warranty does not extend to the use of this product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of Seller or United Phosphorus, Inc., and

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