Department of Agriculture
STATE OF HAWAII

LICENSED

PERIOD 2014-2016 LIC. NO. 9521.63

VALVE

WISDOM® 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 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

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.

EMERGENCY INFORMATION

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.
FOR THE FOLLOWING EMERGENCIES, PHONE 24 HOURS A DAY
For Medical Emergencies, phone:.....1-888-681-4261
For Transportation Emergencies, including spill, leak or fire, phone: CHEMTREC.....1-800-424-9300
For Product Use Information, phone: AMVAC.....1-888-462-6822

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.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

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

Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

PRINTING HEADS THIS WAY

PERSONAL PROTECTIVE EQUIPMENT (PPE)
Applicators and other handlers must wear:
- Long-sleeved shirt and long pants.
- Chemical resistant gloves made of any waterproof material.
- Shoes and socks.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for wash-ables, 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 when weather conditions favor drift from treated areas. Drift and run-off from treated areas may be hazardous to aquatic organisms in neighboring areas.

To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Sweeping any product that lands on a driveway, sidewalk, or street, back onto the treated area of the lawn or garden will help to prevent run off to water bodies or drainage systems.

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.

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.
- Chemical resistant gloves made of any waterproof material.
- Shoes and socks.

EPA Reg. No. 5481-522
EPA Est. No. 5481-AL-1

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 WISDOM NURSERY GRANULAR INSECTICIDE with equipment suitable to give uniform distribution in the potting media. WISDOM 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.

WISDOM 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 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. of WISDOM 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 WISDOM NURSERY GRANULAR INSECTICIDE in one cubic yard of potting media based on the known bulk density.

FOR 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), & 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. of WISDOM NURSERY GRANULAR INSECTICIDE 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 Imported Fire Ants European Crane Fly	25	2.5	3.75	5.0	6.25	7.5

Comments: Incorporate appropriate amount of WISDOM NURSERY GRANULAR INSECTICIDE in one cubic yard of potting media based on the known bulk density.

$$\text{*lbs. of WISDOM NURSERY GRANULAR INSECTICIDE per cubic yard} = \frac{\text{bulk density of potting media} \times \text{ppm}}{2000}$$

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

Dealers Must Sell in Original Packages Only.

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. Call Chemtrec 1-800-424-9300.

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: Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment. Offer for recycling if available. 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.

LIMITED WARRANTY AND DISCLAIMER

The manufacturer warrants (a) that this product conforms to the chemical description on the label; (b) that this product is reasonably fit for the purposes set forth in the directions for use, subject to the inherent risks referred to herein, when it is used in accordance with such directions; and (c) that the directions, warnings, and other statements on this label are based upon responsible experts' evaluations of reasonable tests of effectiveness, of toxicity to laboratory animals and to plants and residues on food crops, and upon reports of field experience. Tests have not been made on all varieties of food crops and plants, or in all states or under all conditions.

THERE ARE NO EXPRESS WARRANTIES OTHER THAN THOSE SET FORTH HEREIN. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW THE MANUFACTURER NEITHER MAKES NOR INTENDS, NOR DOES IT AUTHORIZE ANY AGENT OR REPRESENTATIVE, TO MAKE ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, AND IT EXPRESSLY EXCLUDES AND DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY OF FITNESS FOR A PARTICULAR PURPOSE, OR ANY WARRANTY OF QUALITY OR PERFORMANCE. THIS WARRANTY DOES NOT EXTEND TO, AND THE BUYER SHALL BE SOLELY RESPONSIBLE FOR, ANY AND ALL LOSS OR DAMAGE WHICH RESULTS FROM THE USE OF THIS PRODUCT IN ANY MANNER WHICH IS INCONSISTENT WITH THE LABEL DIRECTIONS, WARNINGS OR CAUTIONS.

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NET CONTENTS: 50 LBS

AMVAC

4100 E. Washington Boulevard
Los Angeles, CA 90023, U.S.A.
1-888-462-6822

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