ENSTAR® AQ
INSECT Growth Regulator

For Control of Whiteflies, Thrips, Aphids, Soft-bodied and Armored Scales, Mealybugs, Leafminers, Glassy-Winged Sharpshooters, and Fungus Gnats

For Use on Ornamental Plants in Greenhouses, Shadehouses, Lath Houses, and Interiorscapes (i.e., Atriums)

ACTIVE INGREDIENT:
S-2-isopropyl-2-methyl-1,3-oxazolidine-4-carboxylic acid .................. 18.4%
OTHER INGREDIENTS .................................................. 81.6%
TOTAL ................................................................. 100.0%

KEEP OUT OF REACH OF CHILDREN
CAUTION
See back panels for additional Precautionary Statements/First Aid

For Indoor Use Only

NET CONTENTS: 1 QT (32 FL OZ) 946 ml
**EFFECTS ON PLANTS:** ENSTAR® AQ has been tested on many varieties of flowering and other plant species without signs of phytotoxicity. However, growing conditions and cultural practices vary and it is advisable to test on a small sample prior to treating an entire crop to observe for potential crop injury.

**DIRECTIONS THROUGH SPRINKLER IRRIGATION SYSTEMS:** Apply this product only through sprinkler irrigation systems including drop, microjet, and overhead irrigation. Do not apply this product through any other type of irrigation system.

**UTION:** DO NOT USE IRRIGATION SYSTEMS THAT DO NOT PENETRATE TO PESI ON THE UNDERSIDE OF LEAVES AS ERRATIC RESULTS CAN OCCUR. DO NOT USE CHEMISTRY WHEN TREATING FOR RAIN MEALYBUGS.

**SPRAY PREPARATION:** Remove scale, pesticide residues, and other foreign matter 3 from the chemical tank and entire injection system. Flush with clean water.

**APPLICATION INSTRUCTIONS:** First prepare a suspension of ENSTAR® AQ in a mix tank. Fill tank with 1/2 to 3/4 the desired amount of water. Start mechanical or hydraulic agitation. Add the required amount of ENSTAR® AQ and then the 3 remaining volume of water. Then set irrigation equipment to deliver the appropriate amount of ENSTAR® AQ per 20,000 sq ft. Use sufficient irrigation to provide adequate coverage of leaves. For control of soil-dwelling pests the rate is 1.5-2.0 kg/ha. For control of foliar pests the rate is 0.9-1.5 kg/ha. Spray the ENSTAR® AQ solution as previously described and deliver the appropriate amount of ENSTAR® AQ in an equivalent to 1/4 inch of water per 30,000 square feet. Start sprinkler and uniformly inject the suspension of ENSTAR® AQ into the irrigation water line so as to deliver the desired rate. The suspension of ENSTAR® AQ should be injected with a positive displacement pump into the mainline. Use a high velocity nozzle to ensure adequate mixing. Allow foliage to dry prior to resuming normal irrigation. If you have questions about rainfall, you should contact State Extension Service, pesticide, equipment manufacturer, or other experts.

**GENERAL PRECAUTIONS FOR APPLICATIONS THROUGH SPRINKLER IRRIGATION SYSTEMS:** Maintain continuous agitation in mix tank during mixing and application. Do not inject the suspension of ENSTAR® AQ into the irrigation water line so as to deliver the desired rate. The suspension of ENSTAR® AQ should be injected with a positive displacement pump into the mainline. Use a high velocity nozzle to ensure adequate mixing. Allow foliage to dry prior to resuming normal irrigation. If you have questions about rainfall, you should contact State Extension Service, pesticide, equipment manufacturer, or other experts.

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

**HAZARDOUS if swallowed.** Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

**FIRST AID:** Call a poison control center or doctor immediately for treatment advice.

If swallowed: Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything to an unconscious person.

If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-248-7763 for emergency medical treatment information (24 hrs).

EPA Reg No. 2724-799
EPA Est. No. 2724-TX-1
Personal Protective Equipment (PPE): Applicators and other handlers must wear:
• Long-sleeved shirt and long pants
• Shoes plus socks
• Follow manufacturer’s instructions for cleaning/maintaining PPE. If no such instructions are available, use detergent and hot water. Keep and wash PPE separately from other laundry.

Engineering Controls Statements: When handlers use closed systems or enclosed tanks in a manner that meets the exposure limits listed in the Worker Protection Standard (WPS) for agricultural pesticides (40 CFR 170.240(d)(4-6)), the handler PPE requirements may be reduced or modified as specified in the WPS.

IMPORTANT: When reduced PPE is worn because a closed system is being used, handlers must provide all PPE specified above for "applicators other than handlers" and have such PPE immediately available for use in an emergency, such as a spill or equipment breakdown.

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.

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 (REI). The requirements in this box only apply to use of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 4 hours.

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 trees, plants, soil, or water can include:
• General use・Chemical-resistant gloves made of any waterproof material・Shoes plus socks

MIXING INSTRUCTIONS:
1. Partially fill spray tank with water, then add labeled amount of ENSTAR® AG insect Growth Regulator (ENSTAR® AG) and water, and complete filling.
2. Use diluted spray solution within 24 hours; always agitate before using.

APPLICATIONS FOR GREENHOUSE, SHADEHOUSE, AND LATH HOUSE GROWN PLANTS:
RATE OF APPLICATION

For Whiteflies, Thrips, Aphids, Soft-bodied and Armored Scales, Leafminers, and Glassy-Winged Sharpshooters:
PREVENTIVE PROGRAM: Before insect populations reach damaging levels, mix ENSTAR® AG at the rate of 16 fl oz per 100 gallons of water and apply to run off every 2 weeks.

CURATIVE PROGRAM: For an existing population of adult insects, mix ENSTAR® AG at the rate of 32 fl oz per 100 gallons of water and apply every 2 weeks until run off.

FOR FUNGUS Gnat and Leafminer Control For the control of larvae and adult fungus gnats/leafminers in moderate infestations, apply ENSTAR® AG at 16 fl oz per 100 gallons of water per 20,000 sq ft or 24 ml in 5 gallons per 1,000 sq ft; increase rate to 32 fl oz per 20,000 sq ft or 48 ml (3.5 teaspoons) per 5 gallons water per 1,000 sq ft for heavy infestations. Complete coverage of soil is essential for fungus gnat/leafminer control. Waiting is a drastic step recommended to reduce ENSTAR® AG contact with larvae and eggs. Apply ENSTAR® AG for fungus gnat/leafminer control before or after emergence of seedlings or on established foliage. Make 2 applications 7 to 10 days apart. Monitor fungus gnat/leafminer population and make additional applications if necessary.

For Root (Ground) Mealybug: When infestations of root mealybugs are observed, drench the entire pot containing the infected plant by submersion in a solution of ENSTAR® AG at a rate of 3.5 teaspoons (46 ml) per 5 gallons of water. Continue submersion until no more air bubbles are seen escaping from the fluid surface. This ensures that the root system is saturated and the container is thoroughly treated. Repeat as necessary.

Square Footage: When using 16 fl oz of ENSTAR® AG for Preventive Program or 32 fl oz for a Curative Program, refer to the table below for square footage calculations.

<table>
<thead>
<tr>
<th>Water to be Used</th>
<th>100 gal</th>
<th>50 gal</th>
<th>25 gal</th>
<th>12.5 gal</th>
<th>5 gal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Square Feet</td>
<td>20,000</td>
<td>10,000</td>
<td>5,000</td>
<td>2,500</td>
<td>1,000</td>
</tr>
<tr>
<td>Preventive</td>
<td>16 fl oz</td>
<td>8 fl oz</td>
<td>4 fl oz</td>
<td>2 fl oz</td>
<td>1 fl oz</td>
</tr>
<tr>
<td>Curative</td>
<td>32 fl oz</td>
<td>16 fl oz</td>
<td>8 fl oz</td>
<td>4 fl oz</td>
<td>2 fl oz</td>
</tr>
</tbody>
</table>

*When using Electrostatic Spraying System (ESS) or pulse/GDP equipment, apply the labeled amount of ENSTAR® AG over the square footage with the manufacturer’s requirement of water. Follow manufacturer’s calibration procedures.

METHODS OF APPLICATION: Complete coverage of foliage is essential for control of whiteflies, thrips, aphids, mealybugs, fungus gnats, leafminers, glassy-winged sharpshooters, and scales. For conventional spray equipment, mix the labeled amount of ENSTAR® AG and water and spray both top and bottom surfaces of leaves until run off. For other applications, follow the equipment manufacturer’s specifications.

ENSTAR® AG is compatible with other commonly used insecticides and miticides, such as MAVRIK AG/ACH quần. Before mixing in spray tank, however, it is advisable to test physical compatibility by mixing all components in a small container in