

For Control of Whiteflies, Aphids, Soft and Armored Scales, and Mealybugs in Greenhouses on Ornamental Plants and Vegetable Seed Crops

ACTIVE INGREDIENTS	
Linoprene [2-propynyl (E)-3,7,11-trimethyl-2,4-dodecenoate]*	65.3%
INERT INGREDIENTS	34.7%
Formulation contains 0.625 lb. active ingredient per pint	TOTAL 100.0%

ENSTAR is a registered trademark of Zoccon Corporation U.S. Pat. # 021 461
EPA Reg. No. 20954-4 EPA Est. No. 20954-CA-3

KEEP OUT OF REACH OF CHILDREN

CAUTION

See side panel for additional precautionary statements

NET CONTENTS 1 PINT

DIRECTIONS FOR USE GENERAL CLASSIFICATION

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

STORAGE: Store in a cool place.

DISPOSAL: Bury empty container or discard according to local regulations. Never reuse empty container.

INSTRUCTIONS FOR USE

1. Partially fill spray tank with water, then add the recommended amount of ENSTAR SE, agitate and complete filling.
2. Diluted spray solution should be used within 24 hours; always agitate before using.

WARRANTY AND CONDITIONS OF SALE

Zoccon warrants that this product conforms to the chemical description on the label and is useful for the control of greenhouse pests as described herein. Neither Zoccon nor the seller make any other warranty, express or implied.

RECOMMENDED GREENHOUSE APPLICATIONS RATES OF APPLICATION

Preventative Maintenance Program: Before insect populations reach damaging levels, mix ENSTAR SE at the rate of 6 to 10 oz. per 100 gallons of water (1 tsp 2 gal) and apply to runoff every two weeks. Generally, 1 oz. of ENSTAR SE per 2,000 sq. ft. every two weeks is required for Preventative Maintenance.

Heavy Population Control Program: To a heavy population of adult insects, make 2 applications 7 days apart. Use ENSTAR SE at a rate of 20 oz. per 100 gallons of water (1 tsp/gal). Two weeks later begin the Preventative Maintenance Program.

For Root (Ground) Mealybug Control: When infestations of root mealybug are observed, the entire pot containing the infested plant should be drenched by submersion in a solution of ENSTAR SE at a rate of 1 oz. per 5 gal. of water. Submersion should continue until no more air bubbles are seen escaping from the fluid surface. This insures that the root system surface is saturated, and the container is thoroughly treated. Repair, if necessary.

METHODS OF APPLICATION

Complete coverage of foliage is essential for control of whiteflies, aphids, mealybugs, and scales. For conventional spray equipment, mix the recommended amount of ENSTAR SE and water and spray both top and bottom surfaces of leaves until runoff. For other applications, follow the equipment manufacturer's specifications.

EFFECTS ON GREENHOUSE PLANTS

Slight to moderate injury has occasionally been noted on blooms under certain conditions. For insect control, it is suggested that applications be made in the pre-bloom stage. Before making large scale application to any crop, a grower should test spray small numbers of plants to determine plant safety under his own cultural conditions.

Applications of ENSTAR SE have been made to greenhouse plants (Azalea, Chrysanthemum, Dianthus, Fuchsia, Geranium, Hydrangea, Marigold, Pelargonium, Petunia, Snapdragon) and vegetable seed crops in greenhouses (Fava Bean, Green Bean, Spinach, Sugar Beet, Tomato) without adverse effects.

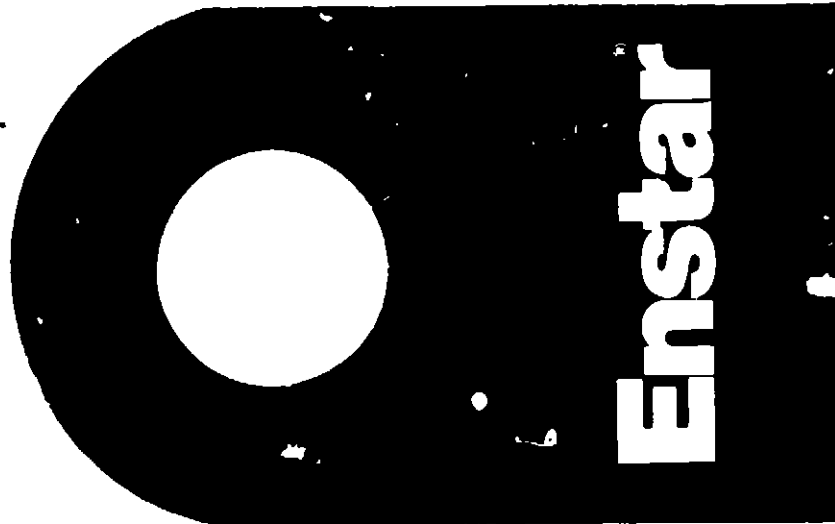
Application of ENSTAR SE to poinsettia has produced bract damage of most varieties and foliar damage of some varieties. Some varieties of roses show delayed damage.

Seeds from treated vegetable seed crops must be used only for subsequent planting. Portions of treated plants other than seeds must be disposed of according to local regulations and must not be used for food or feedstuffs.



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What is ENSTAR SE insect growth regulator?

ENSTAR SE insect growth regulator (IGR) is a chemical analog of a natural insect hormone. Unlike traditional pesticides, the presence of ENSTAR SE does not produce an immediate insect kill, but rather, it interferes with the normal process of insect development. Because ENSTAR SE is specific for insects of the order Homoptera, it is recommended for control of whiteflies, aphids, scales, and mealybugs in greenhouses.

What does ENSTAR SE IGR do?

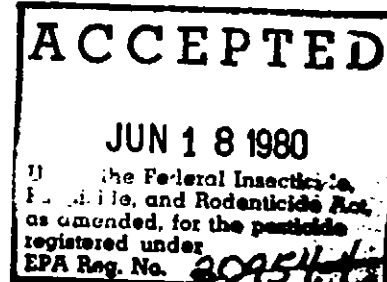
At the preventative maintenance rate, ENSTAR SE causes more prolegitic, ovidual, and sterilizing effects which result in a gradual reduction of insect populations to below damaging levels. Evaluation methods should allow sufficient time (two weeks) after application for the full control potential of ENSTAR SE to be realized. At the higher rate for heavy populations, ENSTAR SE kills adult whiteflies and aphids, and controls the population of crease of scales and mealybugs.

How should ENSTAR SE IGR be used?

A preventative spray schedule along with good management practices, such as keeping doors closed and not introducing newly infested plants into the greenhouse(s), will provide effective insect control. In the case of heavy adult populations, ENSTAR SE should be used at the higher rate to quickly reduce the insect population.



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