

2724-476

07/14/1998

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

JUL 14 1998

Ms. Eileen Valenta  
Wellmark International  
Tower Lane, Suite 245  
Bensenville, Illinois 60106

Dear Ms. Valenta,

Subject: Wellmark International Instar II (Labeling CSF Amendments)  
EPA Reg. No. 2724-476  
Your submission of January 30, 1998

The amendment referred to above, submitted in connection with registration under FIFRA section 3(c)(7)(A) requesting the following changes is **acceptable** provided that you agree to comply with the requirements as listed below:

1. Submit an/or cite all data required for registration/reregistration of your product under FIFRA section 3(c)(5) when the Agency requires all registrants of similar products to submit such data.
2. Submit five (5) copies of your printed labeling before you release the product for shipment.

The changes requested by Wellmark International, and approved by the Agency are as follows:

1. Ingredient Statement - Per PRN97-5 - Drop chemical name of a.i., add CAS #  
Per PRN 97-6 - Change "Inert" to "Other"  
Added asterisk for "petroleum distillates"  
Remove Patent reference
2. Changed name/address/ownership - Sandoz to Wellmark
3. Direction for Use - deleted "General Classification"

*K. NOPTUNE*

*WNEISON: 07/09/98: 2724-476*      CONCURRENCES *DELETED*

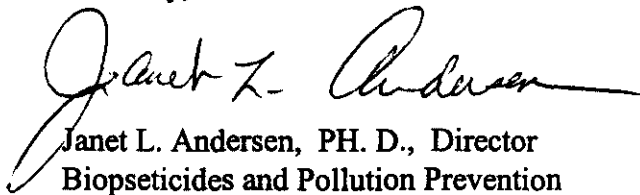
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- 4. Storage and Disposal - Updated Pesticide Disposal Statement per 12/96 Label Review Manual
- 5. Precautionary Statements - Updated per 12/96 Label Review Manual  
Added First/Aid/Note to Physician sections
- 6. Added acronym for Personal Protective equipment (PPE)
- 7. Methods of Application section - removed Pentac Aquaflow as mixing partner
- 8. Included trademark information
- 9. Per - PRN 97- 4 - added information telephone number
- 10. Changed Reg. No. (Sandoz 55947-82 to Wellmark 2724-476)

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your record.

Sincerely,



Janet L. Andersen, PH. D., Director  
Biopesticides and Pollution Prevention  
Division (7511W)

CONCURRENCES

SYMBOL								
SURNAME								
DATE								

### ENSTAR® II INSECT GROWTH REGULATOR

For Control of Whiteflies, Aphids, Soft-bodied and Armored Scales, Mealybugs, and Fungus Gnats in Greenhouses and Interiorscapes (i.e., Atriums) on Ornamental Plants

**ACTIVE INGREDIENT**

~~S-Kinoprene [2-propynyl(2E,4E)-(7S)-3,7,11-trimethyl-2,4-dodecadienoate]\*~~

(CAS # 65733-20-2) ..... 85.1%

INERT OTHER INGREDIENTS\* ..... 34.9%

TOTAL ..... 100.0%

\* Contains petroleum distillates

Contains 0.625 lb active ingredient per pint

\*U.S. Patent 4024461

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

JUL 14 1998

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act as  
amended, for the pesticide  
registered under EPA Reg. No.

2724-476

Net Contents:

**KEEP OUT OF REACH OF CHILDREN**

**WARNING**

**AVISO**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

See Booklet For Additional Precautionary Statements

(For use on 5 oz bottle)

**AGRICULTURAL USE REQUIREMENTS**

See booklet.

Wellmark International  
Bensenville, IL 60106  
Sandoz Agro, Inc.  
1300 East Touhy Avenue  
Des Plaines, Illinois 60018

**DIRECTIONS FOR USE****GENERAL CLASSIFICATION**

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 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 plants, soil, or water is:

- Coveralls
- Chemical-resistant gloves, such as barrier laminate, butyl rubber, nitrile rubber, or viton
- Shoes plus socks
- Protective eyewear

**STORAGE AND DISPOSAL**

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

**Pesticide Disposal:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. ~~Pesticide, spray mixture, or rinse water that cannot be used according to label instructions must be disposed of according to federal, state, or local procedures.~~

**Container Disposal (Plastic):** Triple rinse or equivalent, then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

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**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS - WARNING**

May cause substantial but temporary eye irritation/injury. Harmful if swallowed or absorbed through skin. Do not get in eyes, on skin or clothing. Harmful if inhaled, avoid breathing spray mist. May also cause skin sensitization reactions in certain individuals. Wash thoroughly with soap and water after handling. Avoid contact with skin, eyes, or clothing. In case of contact, immediately flush eyes or skin with plenty of water. Get medical attention if irritation persists. Do not store near or contaminate food or feedstuffs.

**FIRST AID:** If in eyes, hold eyelids open and flush with a steady gentle stream of water for 15 minutes. Get medical attention. If swallowed, Call a doctor or get medical attention. Do not induce vomiting or give anything by mouth to an unconscious person. Drink promptly a large quantity of milk, egg whites, gelatin solution, or if these are not available, drink large quantities of water. Avoid alcohol. If inhaled, remove individual to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention. If on skin, Wash with plenty of soap and water. Get medical attention if irritation persists.

**NOTE TO PHYSICIAN:** If ingested, do not induce vomiting. May present aspiration hazard.

**Personal Protective Equipment (PPE):**

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category F on an EPA chemical resistance category section chart.

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves, such as barrier laminate, butyl rubber, nitrile rubber, or viton
- Shoes plus socks
- Protective eyewear

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. 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.

**PHYSICAL OR CHEMICAL HAZARDS**

Do not use or store near heat or open flame.

**INSTRUCTIONS FOR USE**

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

**RECOMMENDED GREENHOUSE APPLICATIONS****RATE OF APPLICATION****For Whiteflies, Aphids, Soft-bodied and Armored Scales:**

- **Preventative Program:** Before insect populations reach damaging levels, mix ENSTAR II at the rate of 5 ounces per 100 gallons of water ( $\frac{1}{2}$  tsp/1 gal) and apply to runoff every 2 weeks.
- **Curative Program:** For an existing population of adult insects, make 2 applications 7 days apart of ENSTAR II to runoff at a rate of 10 ounces per 100 gallons of water (1 tsp/gal). Two weeks later, begin the Preventative Program. 100 gallons of mixture should be sprayed over 15,000 to 20,000 square feet.

**For Fungus Gnat Control:** For the control of larvae and adult fungus gnat, apply ENSTAR II at 5 oz per 100 gallons of water (1.5 tsp/5 gal/1,000 sq ft) for moderate infestations to 10 oz (3 tsp/5 gal/1,000 sq ft) for heavy infestations. Complete coverage of soil is essential for fungus gnat control. Water as a drench after spraying to insure ENSTAR II contact with larvae and eggs. ENSTAR II may be applied for fungus gnat control before or after emergence of seedlings or on established production. Make 2 applications 7 to 10 days apart. Monitor fungus gnat population and make additional applications if necessary.

**For Root (Ground) Mealybug:** When infestations of root mealybugs are observed, the entire pot containing the infested plant should be drenched by submersion in a solution of ENSTAR II at a rate of one-half ( $\frac{1}{2}$ ) ounce per five (5) gal of water [3 tsp/5 gal]. Submersion should continue until no more air bubbles are seen escaping from the fluid surface. This insures that the root system is saturated and the container is thoroughly treated. Repeat as necessary.

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**Square Footage:** When using 5 oz of ENSTAR II for Preventative Program or 10 oz for a Curative Program, refer to table below for square footage calculations:

Water to be Used*	100 gal	50 gal	25 gal	12.5 gal	5 gal
Square Ft	20,000	10,000	5,000	2,500	1,000
Preventative	5 oz	2½ oz	6½ tsp	3¼ tsp	1½ tsp
Curative	10 oz	5 oz	12 tsp	6 tsp	3 tsp

\*When using Electro Static Spraying System (ESS®) or Puls-fog® equipment, apply the recommended amount of ENSTAR II over the square footage with the manufacturer's requirement of water. Follow manufacturer's calibration procedures.

#### METHODS OF APPLICATION

Do not apply ENSTAR II through any type of irrigation system.

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

ENSTAR II is compatible with other commonly used insecticides and miticides, such as MAVRIK AQUAFLOW® and PENTAC AQUAFLOW®. Before mixing in spray tank; however, it is advisable to test physical compatibility by mixing all components in a small container in proportionate quantities. Read and follow all precautionary statements, mixing instructions, and label directions on tank mix products.

#### EFFECTS ON GREENHOUSE PLANTS

Slight to moderate injury has occasionally been noted on some 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 II have been made to greenhouse plants (aluminum plant, azalea, Boston fern, bromeliad, chrysanthemum, devil's ivy, dianthus, dracaena compacta, emerald gem nephthylis, English ivy, epipremnum aureum, exotica perfection dumbcane, false aralia, fluffy ruffles fern, fuchsia, geranium, gerbera, gloxinia, heartleaf philodendron, hydrangea, kalanchoë, lantana, lily, marigold, pelargonium, petunia, purple passion plant, red-veined prayer plant, Sanders dracaena, snapdragon, table fern, variegated oval leaf peperomia, wax plant, weeping fig), foliage plants (areca palm, aucubifolium [cotton], coleus varieties, commutatum evergreen, coral ardisia, grape ivy, neanthe belle palm, sprengeri fern, zebra plant) without adverse effects.

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Application of ENSTAR II should be made to poinsettia prior to bract formation. Foliar damage on some sensitive varieties can result; therefore, test on a small area before large-scale use. Some varieties of roses, such as yellow blooded roses, show delayed damage.

Seller makes no warranty, express or implied, concerning the use of this product other than indicated on the label. Buyer assumes all risk of use and handling of this material when such use and handling are contrary to label instructions.

ENSTAR® II Insect Growth Regulator and MAVRIK AQUAFLOW® is are registered trademarks of Wellmark International.

ESS® is a registered trademark of Electrostatic Spraying Systems.

Puls-Fog® is a registered trademark of Dramm International.

For information or in case of an emergency, call [phone number]

EPA Reg. No. 55947-822724-476  
Made in USA.

EPA Est. No.