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862-11

File  
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**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**  
WASHINGTON, D.C. 20460

JAN 27 1994

Nancy E.H. Wright  
SUN COMPANY INC (R&M)  
1801 Market Street  
Philadelphia, PA 19103

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

**Subject: Label Amendment Submission of 09/15/93 in Response to PR Notice 93-7**  
EPA Reg. No. 862-11  
SUNSPRAY 6E

Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is accepted subject to the comments reflected on the enclosed sheet. A copy of your proposed labeling stamped "ACCEPTED WITH COMMENTS" is enclosed.

**WHAT THIS ACCEPTANCE MEANS:**

Based on your certification, the Agency has accepted the labeling changes that are necessary to comply with the Worker Protection Standard (WPS) labeling requirements of 40 CFR part 156, subpart K, described in PR Notices 93-7 and 93-11. Any other labeling changes submitted in connection with this amendment application but not directly related to compliance with the WPS have not been reviewed or accepted by the Agency. If you wish to make such changes, you must submit a separate amendment application proposing them. If your product is currently suspended, the acceptance of this labeling amendment does not affect the suspension in any way.

**WHAT YOU NEED TO DO NEXT:**

By the next label printing make all the specified changes to your labeling. Send to EPA one (1) copy of the final printed labeling:

- BEFORE selling or distributing any product bearing the final printed labeling
- AND
- WITHIN one year from date of this acceptance.



**Recycled/Recyclable**  
Printed with Soy/Canola Ink on paper that  
contains at least 50% recycled fiber

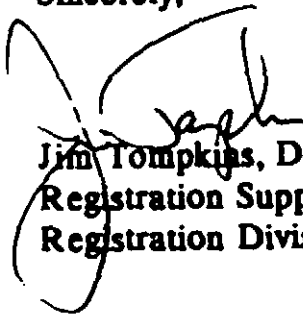
Submit the final printed labeling via the U.S. Postal Service to:

Document Processing Desk (FIN-LABEL)  
Office of Pesticide Programs (7505C)  
U.S. Environmental Protection Agency  
401 M Street, SW  
Washington, D.C. 20460-0001

Hand or courier deliveries of final printed labeling may be made to:

Document Processing Desk (FIN-LABEL)  
Office of Pesticide Programs  
Room 266A, Crystal Mall 2  
1921 Jefferson Davis Highway  
Arlington, VA 22202

Sincerely,



Jim Tompkins, Deputy Chief  
Registration Support Branch  
Registration Division (7505W)

Attachment

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**SUNSPRAY 6E**

**A Superior Horticultural Spray Oil for Insect  
and Mite Pest Management**

ACTIVE INGREDIENT: Refined Petroleum Distillate*	98.8 wt%
INERT INGREDIENT: Emulsifier	1.2 wt%
	100.0 wt%
*Unulfonated Residue of Petroleum Distillate	92.0% Min
*50% Distillation Point of Petroleum Distillate	414.0 F
*Flash Point	345.0 F
Weight per Gallon	7.1 lbs

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

**Statement of Practical Treatment**

If swallowed: Do not induce vomiting. Call a physician immediately.  
 If on skin: Wash with soap and water.  
 If in eyes: Flush with water.

Mfg by: Sun Company, Inc (R&M)  
 Ten Penn Center  
 1801 Market Street  
 Philadelphia PA 19103

EPA REG No: 862-11  
 EPA EST NO:

**ACCEPTED**  
 with **COMMENTS**  
 In EPA Letter Dated

**JAN 27 1994**  
 Under the Federal Insecticide,  
 Fungicide, and Rodenticide Act  
 as amended, for the pesticide  
 registered under EPA Reg. No.  
862-11

Net Contents: 55 Gal

## PRECAUTIONARY STATEMENTS

Hazards to humans  
(& domestic animals)

Avoid contact with eyes, skin and clothing. Harmful if swallowed. Avoid breathing of spray mists or vapors. Avoid contamination of food or food stuffs.

### Personal Protective Equipment

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

### 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 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.

### Environmental Hazards

This product is toxic to fish. Do not apply directly to water. Do not contaminate water by cleaning of equipment or disposal of wastes. Do not contaminate water when disposing of equipment washwaters. Apply this product only as specified on this label.

### Storage and Disposal

1. Prohibitions: Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited.
2. Storage: Store in a cool, dry, locked area out of the reach of children. Keep oil container tightly closed in storage to prevent entry of water.
3. Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.
4. Container Disposal: Metal: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities. Plastic: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

## 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 through any type of irrigation system. 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 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.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 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
- waterproof gloves
- shoes plus socks

<b>CROP</b>	<b>INSECT CONTROL AID</b>	<b>or Gallons of 6E per 100 Gallons of Water</b>	<b>Application (Stage of Development)</b>
<b>APPLES</b>	Apple Red Bug	2	Dormant
	European Fruit Lecanium Scale	2	Dormant
	Fruit Tree Leaf Roller	3	Dormant
	European Red Mite	2	Green Tip to Delayed Dormant
	San Jose Scale	2	1/2" Green Delayed Dormant
	Scurfy Scale	3	1/2" Green Delayed Dormant
<b>PEARS</b>	Fruit Tree Leaf Roller	3	Dormant
	Pear Leaf Blister Mite	3	Dormant
	Pear Psylla	2	Late Dormant
<b>PECANS</b>	Obscure Scale	3	Dormant
<b>PEACHES</b>	Cottony Peach Scale	3	Dormant
<b>PLUMS &amp; PRUNES</b>	European Red Mite	2	Dormant to Delayed Dormant
	European Fruit Lecanium Scale	2	1/2" Green
<b>SWEET CORN</b> <b>FIELD CORN</b>	Ear Worms Fall Army Worm Corn Root Worm	2	Summer Spring-Early Spring-Early
<b>SUGAR BEETS</b>	Mites Leaf Miner	2 gal/acre	As Needed
<b>BLUEBERRIES</b>	Scales	3	Dormant
	Mites	2	Summer
<b>GRAPES</b>	Mealybugs	1 gal/acre	Dormant
<b>FIGS</b>	Scale (Severe)	3 gal/acre or 2 gal/100 gal water	Dormant/Delayed Dormant Dormant/Delayed Dormant
<b>OLIVES</b>	Scales	1.5 gal/100 gal water	Prebloom or post-bloom to buckshot
<b>ALMONDS</b>	Aphid Eggs	1	Summer
	Scales		
	Spider Mites	1-1.5	Dormant

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<b>CROP</b>	<b>PEST</b>	<b>DILUTE GALS/100 GALS</b>	<b>CONCENTRATE* GAL/ACRE</b>
<b>CITRUS</b>	Citrus Rust Mite Scale Insects Greasy Spot Disease	1.5	15
	Spider Mites Whitefly Loosens Sooty Mold	0.75	7.5

\*Apply in sufficient water and manner to assure thorough distribution.

<b>CROP</b>	<b>INSECT CONTROL AID</b>	<b>DILUTION RATE: % OR GALLONS OF 6E PER 100 GALS OF WATER</b>	<b>TIME OF APPLICATION</b>
<b>SHADE TREES &amp; SHRUBS</b>	Aphids Adelgids Certain Caterpillars Gall Mites Lace Bugs Leaf Beetle Larvae	2-3	Summer
	Mealybugs Plant Bugs (Immature) Psyllids (Immature) Sawfly Larvae Scales (Immature) Spider Mites Whiteflies (Immature)	3	Dormant
<b>FLOWER &amp; FOLIAGE PLANTS</b>	Aphids Certain Caterpillars Mealybugs Scales (Immature) Spider Mites Whiteflies (Immature)	2	

(Use a lower concentration for more sensitive plants)

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**CAUTION**

Keep oil container tightly closed in storage to prevent entry of water. All horticultural oils interfere with or slow plant transpiration and respiration during the period of evaporation. Phytotoxicity may result if sprayed to plants during periods of prolonged high temperature and high relative humidity. Do not spray to plants under moisture stress. Do not use in combination with or immediately before or after spraying with dinitro compounds, fungicides such as Captan, Folpet, Dyrene, Karathene, Morestan or any other product containing sulfur. If possible, either keep the spray equipment used for these compounds separate from the equipment used for oil, or make sure that the sprayer is thoroughly cleaned so that no residue from these compounds remain. Do not use with Sevin brand 50W carbaryl on deciduous fruit trees. Also, do not use with dimethoate.

**SHADE TREE AND ORNAMENTAL PLANT  
RESTRICTIONS**

Oil removes the glaucous (blue) bloom from such evergreens as Colorado blue spruce and Koster spruce. Spray no more than 4 times during the growing season; 2 week minimum application interval. Do not spray to walnut foliage. Use lower dosage on oil sensitive plants such as Chamaecyparis, Cryptomeria, Japanese Holly, Red Cedar and Smoke Tree.

**CITRUS**

Oils applied after October may increase cold damage to trees; applied in August and September may affect solid contents, retard color.

**MIXING DIRECTIONS**

1. Add sufficient water to the mixing tank to allow proper agitation by pump or paddles.
2. Add other desired pesticides, if wettable powder formulation, mix the water and powder thoroughly so that the powder is totally suspended in the water before the oil is added. If other pesticide to be added is an emulsifiable formulation, do so after the oil and water have been thoroughly mixed.
3. Add oil under agitation, when 3/4 full topping off with water to form milky solution.
4. Maintain agitation until solution is used.
5. In small equipment lacking agitators, stir or shake diluted spray frequently during application.
6. It is important for users to read and follow all directions and restrictions on the labels of the proposed tank mix products.
7. Flush fluid in sprayer hose lines back into tank reservoir if fluid is allowed to stand for more than 20 minutes.

**APPLICATION INSTRUCTIONS**

The target pest must be completely covered with spray. Oil residue on the plant surface often acts as a feeding deterrent, however, the primary target is the pest animal.



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### TIMING THE TREATMENT

You must determine the precise timing to fit local growth and climatic conditions.

**DO NOT EXCEED MAXIMUM RATES OR APPLY MORE OFTEN THAN RECOMMENDED**

### LIMITED WARRANTY AND LIABILITY

This product conforms to the description and is suitable for the uses set forth on this label but is strictly limited to these uses solely as directed under the specified label conditions, and only if purchased in the original unopened container. SELLER DISCLAIMS ANY AND ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THOSE RELATING TO MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSE. Buyer and all users shall assume all risk, liability and damage if this product is used, stored, handled or applied other than as specifically set forth on this label. SELLER'S LIABILITY AND BUYER'S OR USER'S REMEDIES SHALL BE LIMITED TO REFUND OF THE PURCHASE PRICE OR REPLACEMENT OF THE SPECIFIC QUANTITY INVOLVED. IN NO EVENT SHALL SELLER BE LIABLE FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES.

NOTE: This pesticide is to be sold **ONLY** in this original unbroken container.

### USES

1. For use as a carrier for *Bacillus thuringiensis* when applied through a mist blower or cold fog machine.
2. May be used with Ethion and Parathion\* to obtain two modes of insecticidal action.
3. May be used with Permethrin on cotton only.
4. May be used in a tank mix with Lorsban on apples, pears, plums, prunes, peaches, sweet corn and field corn.
5. May be used in a tank mix with Supracide\* on apples, pears, plums, prunes, pecans, peaches, ornamentals including shade trees and shrubs, citrus (oranges, grapefruit, lemons).
6. May be used as a spreader or carrier for certain synthetic organic insecticides applied for pest control in/on habitable buildings.
7. May be used with ethyl parathion on figs, grapes and walnuts.

\*Note: Supracide and Parathion are "Restricted Use Pesticides."

### EFFICACY

A wide range of mite and insect pests in the egg stage such as: spider and eriophyid mites, armored and soft scales, mealy-bugs, psyllids, whiteflies, aphids, leafrollers, leaf tiers, webworms, cankerworms, plant bugs, leafhoppers, and adelgids. Will kill other immature forms if spray covers the insect.