

JAN 07 1997

Ms. Nancy E. H. Wright
Sun Company Inc. (R&M)
Ten Penn Center
1801 Market Street
Philadelphia, Pennsylvania 19103

Subject: Revised Labeling--Aerial Application, General Updating
Sunspray 7E
EPA Registration Number 862-8
Your Amendment Application Dated August 9, 1996
and Additional Material Submitted December 23, 1996

Dear Ms. Wright:

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), sec. 3(c)(7)(A), is acceptable provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data.

2. Submit five (5) copies of your final printed labeling before you release the product for shipment.

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 bearing the amended labeling constitutes acceptance of these conditions.

A stamped copy of the labeling is enclosed for your records.

Sincerely yours,

DHE

Dennis H. Edwards, Jr.
Product Manager (19)
Insecticide Rodenticide Branch
Registration Division (7505C)

Enclosure

2 7 8



SUNSPRAY® 7E

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%
*Unsulphonated Residue of Petroleum Distillate	92.0% Min
*50% Distillation Point of Petroleum Distillate	435.0°F
*Flash Point	345.0°F
Weight per Gallon	7.2 lbs.

CAUTION: KEEP OUT OF REACH OF CHILDREN

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.
If inhaled: Move to fresh air.
See additional Precautionary Statements inside booklet.

EPA Registration No. 862-8



Sun Company, Inc. (R&M)
Ten Penn Center
1801 Market Street
Philadelphia, PA 19103-1699

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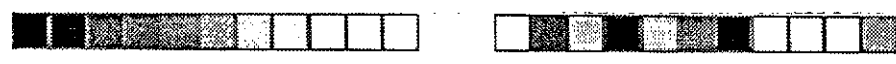
ACCEPTED
with COMMENTS
in EPA Letter Dated

JAN 07 1997

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
862-8

96 SEP 12 P12:00

RECD EPA/OPP/DPD1



PRECAUTIONARY STATEMENTS

Hazards to humans & domestic animals

Caution. 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

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. For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. 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 by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

CAUTION

Keep oil container tightly closed in storage to prevent entry of water. Store drum on its side. Roll drum before use. 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 Chloropropylate, Dinitro Compounds, Mordants and Omite or fungicides such as Captan, Folpet, Dichloro, Dikar, Dyrene, Karathene, Moreslan 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.

TANK MIXES

It is important for users to read and follow all directions and restrictions on the labels of the proposed tank mix products. Check tank mixture for physical and chemical compatibility. Mix only enough material to do the job.



4 7 8



CITRUS

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

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 toping 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 and ovipositioning deterrent. However, the primary target is the pest itself as oil is a contact pesticide. Spray only when the temperature is above 40°F and there is no danger of freezing.

Dilute Applications (greater than 150 gallons spray per acre) in most cases, ensure the best coverage.

Concentrate Applications (usually 45 to 125 gallons spray per acre) may reduce coverage and effectiveness. Concentrate application includes the use of low volume (from 10 to 100 gallons spray per acre) air-blast or air-carrier sprayers. A concentrate application can provide satisfactory results as long as the spray unit is properly engineered, calibrated and operated. Speed of travel for ground application is extremely important. Tractor speed from 1 M.P.H. to 4 M.P.H. is recommended depending on crop, crop size and target pest. Low volume applications of Sunspray 7E will require the same amount of oil per acre as dilute sprays but applied with much less water. Spray oil calculations should be based on no run off of the oil phase of the mixture.

Aerial Applications Use only as an emergency application when soil conditions do not permit regular ground application. Helicopter only. Apply quantity of product shown for each listed crop for control of listed insects in sufficient water to make a minimum of 20 gals. dilute spray per acre.

TIMING THE TREATMENT

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

DO NOT EXCEED MAXIMUM RATES OR APPLY MORE OFTEN THAN RECOMMENDED

NOTE: This Pesticide is to be sold ONLY in this original unopened 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 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, and 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.

**Note: Supracide is a "Restricted Use Pesticide."*

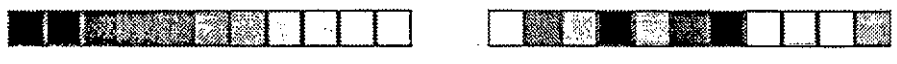
CONTROLS

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.

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 those 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.





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. 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

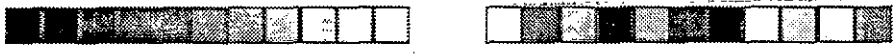
Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements 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
- waterproof gloves
- shoes plus socks





Crops	Insect Control Aid	Application Rate - Gallons Oil			Time of Application (Stage of Development)
		Dikute Spray per 100 Gal. Water	Concentrate per 20-125 Gal. Water	Aerial* Min. 20 Gal. Spray	
Apples	Apple Red Bug	2	6-8	6-8	Dormant
	European Fruit Lecanium Scale	2	6-8	6-8	Dormant
	Fruit Tree Leaf Roller	3	6-8	6-8	Dormant
	European Red Mite	2	6-8	6-8	Green Tip to Delayed Dormant 1/2" Green
	San Jose Scale	2	6-8	6-8	Delayed Dormant 1/2" Green
	Scurfy Scale	3	6-8	6-8	Delayed Dormant 1/2" Green
	Pears	Fruit Tree Leaf Roller	3	4-6	4-6
	Pear Leaf Blister Mite	3	4-6	4-6	Dormant
	Pear Psylla	2	4-6	4-6	Late Dormant
Pecans	Obscure Scale	3	6-8	6-8	Dormant
Peaches	Cottony Peach Scale	3	4-6	6-8	Dormant
Sweet Corn Field Corn	Ear Worms Fall Army Worm Corn Root Worm	2			Summer Spring-Early
Sugar Beets	Mites Leaf Miner	2 gal/acre			As Needed

* Aerial application should be used only as emergency application when soil conditions do not permit regular ground application (helicopter only)

Crops	Insect Control Aid	Dikute Gals./100 Gals.	Concentrate* Gal./Acre
Citrus	Citrus Rust Mite Scale Insects Greasy Soot Disease	1	10
	Spider Mites Whitefly Loosens Sooty Mold	0.5	5

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



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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	435.0°F
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Weight per Gallon	7.2 lbs.

CAUTION: KEEP OUT OF REACH OF CHILDREN

PRECAUTIONARY STATEMENTS

Hazards to humans & domestic animals
Caution. Avoid contact with eyes, skin and clothing. Harmful if swallowed. Avoid breathing of spray mists or vapors. Avoid contamination of food or food stuffs.

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.
If inhaled: Move to fresh air.

PERSONAL PROTECTIVE EQUIPMENT

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

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EPA Registration No. 862-8



Sun Company, Inc. (R&M)
Ten Penn Center
1801 Market Street
Philadelphia, PA 19103-1699

EPA Establishment No. 862-PA-1

Net Contents: 55 Gallons

AI-1870 12/96