



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

JAN 31 1994

Nancy E. H. Wright
SUN COMPNAY, 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. 862-22
SUNSPRAY 11C

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 SoyCanada Ink on paper that
contains at least 50% recycled fiber

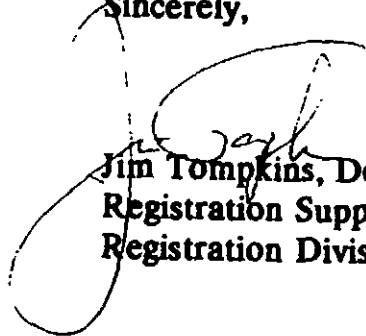
Submit the final printed labeling via the U.S. Postal Service to:

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

SUNSPRAY 11C

**A Superior Horticultural Spray Oil to be
Applied Only by Chemigation**

ACTIVE INGREDIENT: Refined Petroleum Distillate*	100.0%
*Unulfonated Residue of Petroleum Distillate	92.0% Min
*50% Distillation Point of Petroleum Distillate	468.0 F
*Flash Point	375.0 F
Weight per Gallon	7.2 lbs

KEEP OUT OF REACH OF CHILDREN

CAUTION

Statement of Practical Treatment

- If swallowed: Do not induce vomiting. Vomiting may cause aspiration hazard. Call a physician immediately.
- If on skin: Wash with soap and water.
- If in eyes: Flush with water.
- If inhaled: Remove the victim to fresh air and supply artificial respiration if indicated.

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

EPA REG No: 862-22
 EPA EST NO:

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Net Contents (Gal) Drums/Railcar: 55/20,000

ACCEPTED
 with COMMENTS
 In EPA Letter Dated

JAN 31 1994
 Under the Federal Insecticide,
 Fungicide, and Rodenticide Act
 as amended, for the pesticide
 registered under EPA Reg. No.
862-22

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 LPA 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.

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Directions for Use**When Sunspray 11C is Applied as a Pesticide**

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 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

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SUNSPRAY 11C at an application rate of 2 - 3 gallons per acre in 0.1" to 0.3" of water can control the immature stages of scale insects, aphids and thrips in addition to depressing the mite population when used on the following crops:

- Apples
- Broccoli
- Cabbage
- Cauliflower
- Cantaloupe
- Citrus
- Corn
- Collards
- Cotton
- Cucumber
- Eggplant
- Lima Beans
- Mustard
- Onions
- Peaches
- Peanuts
- Pepper (sweet + Jalopina)
- Potatoes
- Snap Beans
- Sorghum
- Southern Peas
- Soybeans
- Spinach
- Tobacco
- Tomatoes
- Turnips
- Yellow Squash
- Watermelon

SUNSPRAY 11C can be tank mixed with the following pesticides provided these pesticides were purchased having an approved chemigation label.

Alachlor, Atrazine, Azinphos-methyl, Bacillus thuringiensis, Bifenthrin, Butylate, Chlorpyrifos, Chlorothalonil, Cyfluthrin, Cypermethrin, Diazinon, Disulfoton, Endosulfan, Esfenvalerate, Fenamiphos, Isofenphos, Malathion, Mancozeb, Metam, Methamidophos, Metolachlor, Metribuzin, Oxydemeton-methyl, Pendimethalin, Permethrin, Phosphamidon, Piperonyl butoxide, Prometryne, Simazine, Sulprofos, Trichlorfon, Tridiphane, Trifluralin.

Always consult the label of the specific formulation of the pesticide that is used for the amount of Sunspray 11C and water to be used in the chemigation system, the precise rate and the specific pests it controls.

LEFT SIDE OF LABEL

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CHEMIGATION USE STATEMENTS

- A. "Apply this product only through the following types of systems: Sprinkler including center pivot, latera' move, end tow, side (wheel) roll, traveler, and big gun. Do not apply this product through any other type of irrigation system."
In all irrigation systems listed, the water must be flowing in excess of 4'/second past the injection point of the oil.
- B. "Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from nonuniform distribution of treated water."
- C. "If you have questions about calibration, you should contact State Extension Service Specialist, equipment manufacturers or other experts."
- D. "Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label prescribed safety devices for public water systems are in place."
- E. "A person knowledgeable of the chemigation system and responsible for its operation or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise."
- F. "The check valve or back flow prevention valve must be designed so the internal parts can be inspected."
- G. "A low pressure drain shall be placed between the check valve and the water source."

FOR SPRINKLER CHEMIGATION

- 1. "The system must contain a functional check valve, vacuum relief valve and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow."
- 2. "The pesticide injection pipeline must contain a functional automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump."
- 3. "The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down."
- 4. "The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops."
- 5. "The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected."
- 6. "Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock."
- 7. "Do not apply when wind speed favors drift beyond the area intended for treatment."

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

RIGHT SIDE OF LABEL

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CAUTION

8 of 8

Keep oil container tightly closed in storage to prevent entry of water or other contaminants. This product should be applied when temperature is above 40F and there is no danger of freezing.

DO NOT APPLY THIS PRODUCT IN A CHEMIGATION SYSTEM THAT IS CONNECTED TO A PUBLIC WATER SYSTEM.

DO NOT USE IN A DRIP (TRICKLE) CHEMIGATION SYSTEM.

GENERAL

Do not apply when plants are in or near wilting. Observe all cautions and limitations on labels of products recommended for mixture with oil that can be applied through an irrigation system.

"DO NOT MIX THIS PRODUCT IN A SUPPLY TANK WITH WATER SOLUTIONS OF CHEMICALS SUCH AS FLUID FERTILIZERS. FOLLOW DIRECTIONS ON THE PESTICIDE CONTAINER."

"IF THIS PRODUCT IS GOING TO BE USED AS A CARRIER FOR OTHER PESTICIDES, CONSULT THE INSTRUCTIONS FOR THAT SPECIFIC PESTICIDE AS TO COMPATIBILITY AND DIRECTIONS FOR MIXING."

"DO NOT MIX THIS PRODUCT WITH WATER FOR CHEMIGATION."

"THIS PRODUCT SHOULD BE METERED CONTINUOUSLY AND IS TO BE APPLIED FOR THE ENTIRE DURATION OF THE WATER APPLICATION."

TIMING THE TREATMENT

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

DO NOT EXCEED MAXIMUM RATES OR APPLY LATER 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.

EFFICACY

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

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