

MAR 25 1991

Ms. Nancy E. H. Wright
Sun Refining and Marketing Company
P.O. Box 1135
Marcus Hook, Pennsylvania 19061-0835

Dear Ms. Wright:

Subject: Revised Labeling
Sunspray 11C
EPA Registration Number 862-22
Your Resubmission Dated December 20, 1990

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable provided that you make the labeling change given below before you release the product for shipment bearing the amended labeling.

1. On Page 4 delete the section, "Shade Tree and Ornamental Plant Restrictions." These crops were not included in the directions for use.

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

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

Sincerely yours,

Dennis H. Edwards, Jr.
Product Manager (12)
Insecticide Rodenticide Branch
Registration Division (H7505C)

Enclosure

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.

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

ACCEPTED
with **COMMENTS**
to EPA Letter **10/28/90**

MAR 25 1991

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

862-22

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

BEST AVAILABLE COPY

**SUN
SUNSPRAY 11C**

A superior horticultural spray oil to be applied only by chemigation.

ACTIVE INGREDIENT: Refined Petroleum Distillate*100%

- *Unsulfonated Residue of Petroleum Distillate.....92.0% MIN
- *50% Distillation Point of Petroleum Distillate.....468°F
- *Flash Point.....375F
- Weight per Gallon.....7.2 lbs.
- Net Contents (GAL) Drums/Railcar.....55/20,000

CAUTION: KEEP OUT OF REACH OF CHILDREN

PRECAUTIONARY STATEMENTS

Hazards to humans and domestic animals. Avoid Contact with eyes, skin and clothing. See side panel for additional precautionary statements.

- Harmful if swallowed.
- Avoid breathing of spray mists or vapors.
- Wash hands after using.
- Avoid contamination of food or food stuffs.

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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 on Eyes: Flush with water
- If Inhaled: Remove the victim to fresh air and supply artificial respiration if indicated.

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.

EPA EST
EPA REG. NO. 862-22

BULK U. S. STANDARD

**SUN
Sun Refining and Marketing Company**

TEN PENN CENTER, 1001 MARKET STREET, PHILADELPHIA, PA 19103

CHEMIGATION USE STATEMENTS

- A. "APPLY THIS PRODUCT ONLY THROUGH THE FOLLOWING TYPES OF SYSTEMS: SPRINKLER INCLUDING CENTER PIVOT, LATERAL 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."

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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.

CAUTION

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."

SHADE TREE AND ORNAMENTAL PLANT RESTRICTIONS

Oil removes the glaucous (blue) bloom from such evergreens as Colorado blue spruce and Koster spruce. Do not spray to walnut foliage. Use lower dosage on oil sensitive plants such as Chamaecyparis, Cryptomeria, Japanese Holly, Red Cedar and Smoke Tree.

TIMING THE TREATMENT

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

DO NOT EXCEED MAXIMUM RATES OR APPLY LATER THAN RECOMMENDED.

RE-ENTRY STATEMENT

Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons. Do not enter treated areas without protective clothing until sprays have dried. Because certain states may require more restrictive re-entry intervals for various crops treated with this product, consult your State Department of Agriculture for further information.

Written or oral warnings must be given to workers who are expected to be in treated areas or in an area about to be treated with this product. When oral warnings are given, warnings shall be given in a language customarily understood by workers. Written warnings must include the following information: **"CAUTION - Area treated with Superior Oil on (date). Do not enter without appropriate protective clothing until sprays have dried."** In case of accidental exposure refer to Statements of Practical Treatment found on this product label.

TERMS

Seller's guarantee shall be limited to the terms of the label and subject thereto the buyer/user accepts the product on these conditions. Timing and method of applications, weather and crop conditions, mixtures with other chemicals not specifically recommended, and other influencing factors in the use of this product are beyond the control of the seller.

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, leafhoppers, webworms, cankerworms, plant bugs, leafhoppers, and adelgids. Will kill other immature forms if spray covers the insect.