

Reg # 862-23

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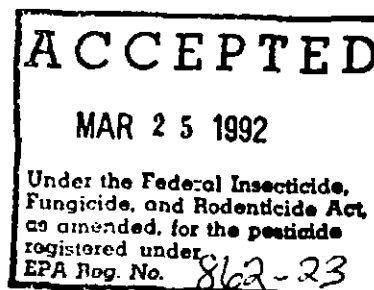
RETAIL

SUN  
SUNSPRAY 6E PLUS

A superior horticultural spray oil for insect and mite pest management.

Active Ingredient: Paraffinic Oil*	98.8 wt%
Inert Ingredient: Emulsifier	1.2 wt%
*Unsulfonated Residue of Paraffinic Oil	92.0% min
*50% Distillation Point of Paraffinic Oil	414F
*10%-90% Distillation Range of Paraffinic Oil	65F max
*Flash Point	345F
Weight Per Gallon	7.1 lbs

**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 feed and foodstuffs.

**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.

**ENVIRONMENTAL HAZARDS**

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

EPA Registration No. 862 23  
EPA Establishment No.

Net Contents: 1 Quart, 2 Quarts, 1 Gallon.

Sun Refining and Marketing Company  
Ten Penn Center  
1801 Market Street  
Philadelphia, PA 19103

## STORAGE AND DISPOSAL

**Prohibitions:** Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited.

**Storage:** Keep oil container lightly closed in storage to prevent the entry of water or other contaminants. Store in a cool, dry, locked area out of the reach of children. Do not store this product in direct sunlight for prolonged periods of time. This product should be stored in its original container only.

**Pesticide Disposal:** Securely wrap the original container in several layers of newspaper and discard in the trash.

**Container Disposal:** Do not reuse container (bottle, can, jar). Rinse thoroughly before discarding in the trash.

## USE PRECAUTIONS

Do not spray plants suffering from drought (moisture stress). Do not apply during periods of prolonged high temperature combined with high relative humidity. Do not use Sunspray 6E Plus with dimethoate, herbicides or fungicides such as Captan, Folpet, Dyrene, Karathene, Morestan or any product containing sulfur. Do not use with Sevin 50W formulation (carbaryl) on deciduous fruit trees. Keep spray equipment used for these other products separate from the equipment used for Sunspray 6E Plus, or make sure the sprayer is thoroughly cleaned so that no residue from these other products remain.

## 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.

## MIXING DIRECTIONS

Make sure the spray equipment to be used is clean, dry and odorfree.

1. Fill the spray tank or bottle 3/4 full with water.
2. SHAKE THE CONTAINER OF SUNSPRAY 6E PLUS VIGOROUSLY PRIOR TO MEASURING OUT THE DESIRED AMOUNT.

Add the appropriate amount of Sunspray 6E Plus to the water and shake.

3. Fill the remaining 1/4 of the spray tank or bottle with water and shake again. The solution should look milky, if it doesn't do not use it.
4. During application shake the solution frequently. Do not apply to plants if the solution has been sitting for more than 10 minutes without shaking it before resuming application.
5. Do not premix Sunspray 6E Plus and water. Mix just enough for the immediate use.
6. 2 tablespoons = 1 fluid ounce.  
4 tablespoons = 1/4 cup = 2 fluid ounces.

## APPLICATION INSTRUCTIONS

The target pest and plant should be completely covered with the spray solution to be effective. Do not exceed the maximum rates or apply more often than recommended. May be used up to day of harvest.

## 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.

Note: THIS PESTICIDE IS TO BE SOLD ONLY THIS ORIGINAL UNBROKEN CONTAINER.

TABLE 1A

CROP , PEST	APPLICATION RATE: DILUTE TABLESPOONS OF SunSpray PER 1 GALLON WATER	TIME OF APPLICATION (STAGE OF DEVELOPMENT)
<p>APPLES</p> <p>APHIDS (EGGS) BUGS (IMMATURE) INCLUDING APPLE RED BUG MITES (EGGS) INCLUDING EUROPEAN RED MITE SCALES (HARD AND SOFT) SCURFY SCALE FRUIT TREE LEAF ROLLER (EGGS)</p>	<p>5.0 5.0 5.0 5.0 7.5 7.5</p>	<p>DORMANT OR DELAYED DORMANT TO 1/2" GREEN</p>
<p>MITES SCALES (IMMATURE)</p>	<p>2.5 2.5-5.0</p>	<p>SUMMER (FOLIAR OR COVER) OR POST HARVEST. DO NOT APPLY OVER FRUIT AFTER WAXY BLOOM FORMS.</p>
<p>PEARS</p> <p>EUROPEAN RED MITE (EGGS) PEAR LEAF BLISTER MITE (EGGS) PEAR PSYLLA SCALES FRUIT TREE LEAF ROLLER (EGGS)</p>	<p>2.5-5.0 7.5 5.0 5.0 7.5</p>	<p>DORMANT OR DELAYED DORMANT. (UP TO AND INCLUDING PETAL FALL)</p>
<p>TWO-SPOTTED SPIDER MITE BROWN MITE PEAR RUST MITE PEAR LEAF BLISTER MITE PEAR PSYLLA THRIPS</p>	<p>2.5 2.5 2.5-5.0 4.0-5.0 4.0-5.0 4.0-5.0</p>	<p>SUMMER (FOLIAR OR COVER) OR POST HARVEST</p>

**TABLE 1B**

CROP	PEST	APPLICATION RATE: DILUTE. TABLESPOONS OF SunSpray PER 1 GALLON WATER	TIME OF APPLICATION (STAGE OF DEVELOPMENT)
ALMONDS APRICOTS CHERRIES	APHIDS (EGGS) BUGS (IMMATURE) FRUIT TREE LEAF ROLLER (EGGS) TENT CATERpillARS SAN JOSE SCALE	5.0-7.5  5.0	DORMANT OR DELAYED DORMANT.
	MITES & SCALES	2.5-4.0	SUMMER (FOLIAR OR COVER) OR POSTHARVEST. APPLICATION SHOULD NOT BE MADE ON OIL SENSITIVE VARIETIES. DO NOT APPLY TO TREES LACKING ADEQUATE MOISTURE.
PEACHES NECTARINES	APHIDS (EGGS) BUGS (IMMATURE) FRUIT TREE LEAF ROLLER (EGGS) MITES (EGGS) PEACH TWIG BORER (HIBERNACULAE) COTTONY PEACH SCALE SAN JOSE SCALE	7.5  5.0 5.0	DORMANT OR DELAYED DORMANT
	MITES SCALES (IMMATURE)	2.5-5.0	SUMMER. (FOLIAR OR COVER) OR POSTHARVEST.

TABLE 1B (CONTINUED)

CROP	PEST	APPLICATION RATE: DILUTE. TABLESPOONS OF SunSpray PER 1 GALLON WATER	TIME OF APPLICATION (STAGE OF DEVELOPMENT)
PLUMS PRUNES	APHIDS (EGGS) SCALES MITES (EGGS)  PEACH TWIG BORER (HIBERNACULAE)	4.0-5.0	DORMANT OR DELAYED DORMANT TO 1/2" GREEN TIP
	MITES SCALES	2.5-4.0	SUMMER (FOLIAR OR COVER) POST-HARVEST. DO NOT APPLY OVER CERTAIN FRESH MARKET FRUITS AFTER BLOOM STARTS TO FORM AS THE OIL SPRAY WILL REMOVE THE WAXY BLOOM. APPLICATION SHOULD NOT BE MADE OVER OIL SENSITIVE VARIETIES.
PECANS	APHIDS (EGGS) SCALES MITES (EGGS)	7.5	DORMANT
	APHIDS MITES	2.5-4.0	SUMMER (FOLIAR OR COVER) POSTHARVEST
WALNUTS	APHIDS (EGGS) MITES (EGGS) SCALES	10-15	DELAYED DORMANT USE ONLY ON TREES THAT HAVE NOT SUFFERED FROM LACK OF MOISTURE AT ANY TIME DURING THE GROWING SEASON. DO NOT APPLY TO ORCHARDS WHERE SOIL MOISTURE IS LOW. TREES MUST HAVE BEEN FULLY DORMANT.
	MITES	10-15 PER 2 GALS WATER	FOLIAR - LATE SPRING TO EARLY SUMMER - WHEN LEAVES ARE FULLY EXPANDED.

TABLE 1C

CROP	PEST	APPLICATION RATE: DILUTE  TABLESPOONS OF SunSpray PER 1 GALLON WATER.	COMMENTS
LEMON GRAPEFRUIT	MITES SCALES INCLUDING CAL. RED SCALE	2.5-4.0	FOR BEST RESULTS, SPRAY DURING FALL, EARLY WINTER & SPRING MONTHS WHEN RED SCALE ARE MORE EASILY CONTROLLED AND TREES ARE GENERALLY LESS REACTIVE TO OIL. FOR ALL CITRUS OIL SPRAYS ENSURE ADEQUATE MOISTURE: LEAVES SHOULD NOT WILT BEFORE NOON.
NAVEL & VALENCIA ORANGES, OTHER CITRUS VARIETIES INCLUDING NON BEARING	MITES INCLUDING RUST MITE SPIDER MITE SCALES INCLUDING BLACK SCALE CAL. RED SCALE WHITEFLY & BLACKFLY SOOTY MOLD	2.5-4.0	OILS APPLIED AFTER OCT. MAY INCREASE COLD DAMAGE TO TREES. OILS APPLIED IN AUG & SEPT MAY AFFECT SOLIDS CONTENT AND RETARD COLORING. THE ADDITION OF A TANK MIX PESTICIDE WILL IMPROVE PERFORMANCE AGAINST SCALES.

<b>SHADE TREES* AND SHRUBS INCLUDING CONIFERS DECIDUOUS, BROADLEAF EVERGREENS &amp; WOODY ORNAMENTALS</b>	<b>APHIDS ADELGIDS BUGS (IMMATURE) CERTAIN CATERpillARS ERIOPHYID MITES GALL MITES LACE BUG LEAF BEETLE LARVAE</b>	<b>5-10</b>	<b>WINTER DORMANT PERIOD AS NEED</b>
<b>ORNAMENTAL TREES*, SHRUBS ALONG CITY STREETS AND OTHER RIGHTS OF WAY INCLUDING CONIFERS, DECIDUOUS AND BROADLEAF EVERGREENS</b>	<b>LEAFMINER MEALYBUG PSYLLIDS (IMMATURE) SAWFLY LARVAE SCALES (IMMATURE) SPIDER MITES THRIPS WHITEFLIES (IMMATURE)</b>	<b>2.5-7.5</b>	<b>SUMMER (FOLIAR OR COVER) AS NEEDED.</b>
<b>FLOWERING AND FOLIAGE PLANTS INCLUDING ROSES AND OTHER FLOWERING SHRUBS FOLIAGE ORNAMENTALS &amp; BEDDING PLANTS</b>		<b>5.0-7.5</b>  <b>2.5-5.0</b>	<b>WINTER DORMANT PERIOD AS NEEDED.</b>  <b>SUMMER (FOLIAR OR COVER) AS NEEDED.</b>
<b>CHRISTMAS TREES*</b>	<b>APHIDS ADELGIDS SCALES (SOFT + HARD) SPIDER MITES</b>	<b>5-10</b>  <b>2.5-7.5</b>	<b>WINTER</b>  <b>SUMMER</b>

\*OIL REMOVES THE GLAUCUS (BLUE) BLOOM FROM SUCH EVERGREENS AS COLORADO BLUE SPRUCE AND KOSTER SPRUCE. ALWAYS USE LOWER DOSAGE OR TEST SPRAY OIL SENSITIVE PLANTS SUCH AS CRYPTOMERIA, SMOKE TREE, CHAMAECYPRIS, JUNIPER, JAPANESE HOLLY AND SPRUCE. TENDENCY TOWARDS SENSITIVITY: RED CEDAR AND DOUGLAS FIR. DO NOT SPRAY WALNUT FOLIAGE.

**CAUTION: SPRAY NO MORE THAN 4 TIMES DURING THE GROWING SEASON: TWO WEEK MINIMUM APPLICATION INTERVAL. DO NOT SPRAY WHEN BUDS HAVE FULLY OPENED AND SHOOT ELONGATION IS OCCURING. DO NOT SPRAY WHEN THERE IS OBVIOUS MOISTURE DEFICIT IN LEAVES, OR THE PLANT IS UNDER STRESS. FALL DORMANT TREATMENTS ARE NOT RECOMMENDED. KEEP AWAY FROM OPEN BLOOMS - BLEACHING AND SPOTTING HAS BEEN OBSERVED WITH THE OPEN BLOOMS OF CERTAIN PLANTS.**



**TABLE 3**

**SMALL FRUITS**

CROPS	PESTS	APPLICATION RATE: DILUTE TABLESPOONS OF SunSpray PER 1 GALLONS WATER	TIME OF APPLICATION
CANE BERRIES	APHIDS LEAFHOPPER MITES WHITEFLY (IMMATURE) PSYLLID	5.0 2.5 5.0	DORMANT SPRING-SUMMER (FOLIAR) POST HARVEST
CRANBERRIES	LEAFHOPPER SCALES	2.5-5.0	AS NEEDED
BLUEBERRIES	THRIPS MITES SAWFLY (EGGS) SCALES	5.0 5.0 5.0 7.5	FOLIAGE FOLIAGE DORMANT
STRAWBERRIES	APHIDS MITES	2.5	DORMANT AND (FOLIAGE)
GRAPES	MEALYBUG	10-15 IN 2 3 GAL. WATER	DORMANT - A TANK MIX WITH AN INSECTICIDE IMPROVES CONTROL.

Table 4

## Vegetables

Crops	Pest	Application Rate: Dilute  Tablespoons of SunSpray per 1 Gallon Water	Time of Application
Asparagus Beans Beets Cabbage Cauliflower & other Cole Crops Celery Corn Cucurbit Eggplant Lettuce Melon Pepper Potato Radish Squash Tomato Tobacco	Aphids Mites Beetle Larvae Leafminers Certain Caterpillars Thrips Leafhopper Whitefly	2.5-5.0	As Needed

Table 5

## Field Crops

Crops	Pests	Application Rate: Dilute Tablespoons of SunSpray per 1 Gallon Water	Time of Application
Alfalfa Corn (sweet & field) Cotton Peanuts Soybeans Sugar Beets	Aphids Mites Leafminers Certain Caterpillars including Corn Earworm Rootworm & Armyworm Whitefly Bugs (immature)	5.0	As Needed

TABLE 6

## GREENHOUSE

CROP OR PLANT	PEST	APPLICATION RATE: DILUTE TABLESPOONS O'L IN 1 GALLON WATER	SPECIFIC COMMENTS
AZALEAS BEGONIAS CAMELLIAS CHRYSANTHEMUM CROWN OF THORN DIEFFENBACHIA* EASTER LILIES FERNS GARDENIAS GERANIUM HIBISCUS FOLIAGE JADE PLANT NEW GUINEA IMPATIENS PALMS PHILODENDRON POINSETTIAS** PORTULACA REIGOR BEGONIAS ZINNIAS	APHIDS FUNGUS GNAT BUGS LEAFMINERS MEALYBUGS SCALES (SOFT+ARMORED) SPIDER MITES THRIPS WHITEFLY (IMMATURE)	2.5-5.0 2.5-5.0 2.5-5.0 2.5-5.0 2.5-5.0 2.5 2.5-5.0 2.5-5.0 2.5-5.0 2.5-5.0 2.5-5.0 2.5-5.0 2.5-5.0 2.5 2.5-5.0 2.5-5.0 2.5 2.5-5.0 2.5-5.0 2.5-5.0	DO NOT USE ON COCONUT PALMS OR MAIDENHAIR FERNS.  CHRYSANTHEMUM AND GERANIUM BLOOMS HAVE SHOWN PHYTOTOXIC SYMPTOMS AT THE 5 TABLESPOON RATE. *ALTHOUGH NO PROBLEMS WITH PHYTOTOXICITY HAVE BEEN SEEN AT THE RECOMMENDED RATE, WE RECOMMEND THAT THE APPLICATOR CONDUCT A PHYTO- TOXICITY TEST ON 1 OR 2 OF THE SPECIFIC PLANTS THAT ARE TO BE TREATED. **NO PHYTOTOXIC EFFECTS HAVE BEEN SEEN WITH POINSETTIA BRACTS AT THE RECOMMENDED RATE.
LEAF POLISH FOR HARDY PLANTS.		2.5	

**FREQUENCY OF APPLICATION:** FOR THE GREENHOUSE PESTS LISTED, USE ONCE A WEEK INITIALLY, THEN AS THE PEST IS CONTROLLED, DECREASE THE FREQUENCY TO EVERY 2-3 WEEKS AS NEEDED. APPLICATION SAFETY DURING BLOOM PERIOD SHOULD BE DETERMINED FOR EACH INDIVIDUAL SPECIES OF PLANT TO BE TREATED BY CONDUCTING A SMALL TEST.

**TABLE 7**

**INTERIORSCAPES**

PLANTS	PESTS	APPLICATION RATE: DILUTE TABLESPOONS OF SunSpray IN 1 GALLON WATER	COMMENTS
<p>CHRYSANTHEMUM DIEFFENBACHIA DRACAENA FERNS FICUS GARDENIAS JADE PLANT PALMS PHILODENDRON PATHOS SCHEFFLERA</p>	<p>APHIDS LEAFMINERS MEALYBUGS SCALES SPIDER MITES WHITEFLY (IMMATURES)</p>	<p>2.5-5.0</p>	<p>DO NOT APPLY TO PLANTS IN DIRECT SUNLIGHT BEHIND GLASS.</p> <p>DO NOT USE ON COCONUT PALMS OR MAIDENHAIR FERNS. CHRYSANTHEMUM BLOOMS HAVE SHOWN PHYTOTOXIC SYMPTOMS AT THE HIGHER RATE.</p> <p>THE APPLICATOR SHOULD CONDUCT A TEST FOR PHYTOTOXICITY BY TREATING A FEW SPECIMENS BEFORE MAKING A LARGE SCALE APPLICATION.</p>

PROTECT FLOOR, FLOOR COVERINGS AND FURNISHINGS FROM OVERSPRAY.

**MISCELLANEOUS**

FIGS DORMANT OR DELAYED DORMANT: FIG SCALE - USE 7.5 TBLS IN 1 GAL WATER. AS A FOLIAR SPRAY: MITES, MEALYBUG, SCALE - USE 5.0 TBLS IN 1 GAL WATER

OLIVES POSTBLOOM THROUGH AUGUST AND POSTHARVEST: SCALES - USE 4.0 TBLS IN 1 GAL WATER

BANANA, PLANTAINS USE AS NEEDED TO CONTROL YELLOW SIGATOKA DISEASE - USE 2.5-4.0 TBLS OF SunSpray IN 1 GAL WATER. THIS APPLICATION IS ALSO EFFECTIVE IN LOOSENING SOOTY MOLD FUNGUS AND PREVENTS IT'S FORMATION BY CONTROLLING APHIDS, MEALYBUGS, SCALES AND WHITEFLY.

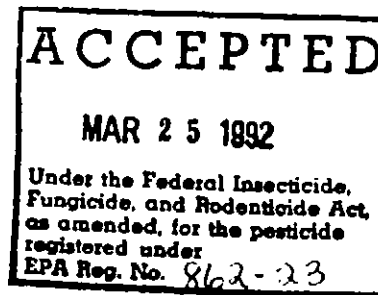
AVOCADO (HAAS VAR. ONLY) AND MANGOS USE 2.5-4.0 TBLS IN 1 GAL WATER TO CONTROL APHIDS, MEALYBUGS, SCALE AND WHITEFLY

*Unsulfonated Residue of Paraffinic Oil . . . . .	92.0% Min.
*50% Distillation Point of Paraffinic Oil . . . . .	414° F
*10%-90% Distillation Range of Paraffinic Oil . . . . .	65° F Max
*Flash Point . . . . .	345° F
Weight Per Gallon . . . . .	7.1 lbs

**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 feed and foodstuffs.



**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.

**ENVIRONMENTAL HAZARDS**

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

EPA Registration No. 862-23

EPA Est. No.

Net Contents: 1 Quart, 2 Quarts, 1 Gallon, 2.5 Gallons, 5 Gallons, 30 Gallons,  
55 Gallons (Also Bulk)

Sun Refining and Marketing Company  
Ten Funn Center, 1801 Market Street, Philadelphia, PA 19103

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**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: **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. **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.

**USE PRECAUTIONS**

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 this product with dimethoate (Cygon), or fungicides such as captan (Captan), anilazine (Dyrene), folpet (Folpet), dinocap (Karathane), oxythioquinox (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 dimethoate or Sevin 50W formulation (carbaryl) on deciduous fruit trees.

**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.

**MIXING INSTRUCTIONS**

- 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 has been thoroughly mixed.
- 3. Add oil under agitation when tank is 3/4 full. Top 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.

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**GENERAL INFORMATION**

This product controls adelgids, aphids, lace bugs, leafhoppers, leafminers (larvae), mealybugs, mites, plant bugs, psyllids, sawfly larvae, scales, whitefly and eggs of aphids, mites and certain caterpillars on vegetables, fruits, tree nuts, certain field crops, shrubs, trees, greenhouse plants, ornamental foliage plants and flowers. This product can be applied up to harvest.

**APPLICATION INSTRUCTIONS**

The target pest must be completely covered with spray. Oil residue on the plant surface often acts as a feeding and oviposition deterrent. However, the primary target is the pest itself as oil is a contact pesticide.

**DILUTE APPLICATIONS** (greater than 150 gallons spray per acre) in most cases, ensure the best coverage.

**CONCENTRATE APPLICATIONS** (usually from 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.

**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**

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

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

**MAY BE USED UP TO DAY OF HARVEST.**

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**USES**

**TANK MIXES:** SunSpray 6E Plus may be mixed with with other pesticides to improve the level of kill or enhance coverage. Products with which SunSpray may be tank mixed include, but are not limited to, Bacillus thuringiensis, pyrethrum, malathion, and avermectin. Users should read and follow all directions and restrictions on the labels of the proposed tank mix products.

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**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 reentry 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, warning shall be given in a language customarily understood by workers. Written warnings must include the following information: "CAUTION-Area treated with Sunspray 6E Plus on (date). Do not enter without appropriate protective clothing until sprays have dried." In case of accidental exposure, refer to Statement 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.

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

Table 1A

Crop	Pest	Application Rate- Gals Oil			Time of Application (Stage of Development)
		Dilute Spray Per 100 Gal. Water	Concentrate Per 20-125 Gal. Water	Aerial* Min. 20 Gal Spray	
Apples	Aphids (eggs)	2	6-8	6-8	Dormant or Delayed L to 1/2" Green
	Bugs (immature) Including Apple Red Bug	2	6-8	6-8	
	Mites (eggs) Including European Red Mite	2	6-8	6-8	
	Scales (hard, soft)	2	6-8	6-8	
	Scurfy Scale	3	6-8	6-8	
	Fruit Tree Leaf Roller (eggs)	3	6-8	6-8	
	Mites Scales	1 1-2	4 4	4 4	
Pears	European Red Mite (eggs)	1-2	4-6	4-6	Dormant or Delayed L (Up To And Including Fall).
	Pear Leaf Blister Mite (eggs)	3	4-6	4-6	
	Pear Psylla	2	4-6	4-6	
	Scales	2	4-6	4-6	
	Fruit Tree Leaf Roller (eggs)	3			
	Two-Spotted Spider Mite	1	4	4-6	
	Brown Mite	1	4	4-6	
	Pear Rust Mite	1-2	4-6	4-6	
	Pear Leaf Blister M	1.5-2	4-6	4-6	
	Pear Psylla	1.5-2	4-6	4-6	
Thrips	1.5-2	4-6	4-6		

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

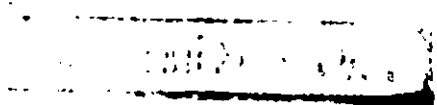


Table 1B

Crop	Pest	Application Rate- Gals Oil			Time of Application (Stage of Development)
		Dilute Spray Per 100 Gal. Water	Concentrate Per 20-125 Gal. Water	Aerial* Min. 20 Gal. Spray	
Almonds Apricots Cherries	Aphids (eggs) Bugs (immature) Tent Caterpillars Fruit Tree Leaf Roller (eggs) San Jose Scale	2-3    2	6-8    4-6	6-8	Dormant or Delayed Dormant    Dormant
	Mites and Scales	1-1.5	4-6	4-6	Summer (Foliar or Cover) or Post Harvest. -Application Should Not Be Made Over Oil Sensitive Varieties -Do Not Apply To Trees Lacking Adequate Moisture.
Peach Nectarine	Aphids (eggs) Bugs (immature) Fruit Tree Leaf Roller (eggs) Mites (eggs) Peach Twig Borer (hibernaculae)	3	6-8	6-8	Dormant or Delayed Dormant
	Cottony Peach Scale San Jose Scale	2	4-6		Dormant
	Mites and Scales	1-2	4-6	4-6	Summer (Foliar or Cover) or Post Harvest.

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

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Table 1B (cont.)

Crop	Pest	Application Rate- Gals Oil			Time of Application (Stage of Development)
		Dilute Spray Per 100 Gal. Water	Concentrate Per 20-125 Gal. Water	Aerial* Min. 20 Gal. Spray	
Plums Prunes	Aphids (eggs) Scales Mites (eggs) Peach Twig Borer (Hibernaculae)	1.5-2	6-8	6-8	Dormant or Delayed Dormant to 1/2" green Tip
	Mites Scales	1-1.5	4-6	4-6	Summer (Foliar or Cover) or Post Harvest. - Do Not Apply Over Certain Fresh Market Fruits After Bloom Starts To Form As The Oil Spray Will Remove The Waxy Bloom - Application Should Not Be Made Over Oil Sensitive Varieties
Pecans	Aphids (eggs) Scales Mites (eggs)	3	6-8	6-8	Dormant
	Aphids Mites	1-1.5	4-6	4-6	Summer (Foliar or Cover) or Post Harvest.
Walnuts	Aphids (eggs) Scales Mites (eggs)	4-6	- 0 -	- 0 -	Delayed Dormant - Use Only On Trees That Have Not Suffered From Lack Of Moisture At Any Time During The Growing Season - Do Not Apply To Orchards Where Soil Moisture Is Low. Trees Must Have Been Fully Dormant
	Mites	4-6 (200 Gal Water/Acre)	- 0 -	- 0 -	Foliar- Late Spring To Early Summer-When Leaves Are Fully Expanded.

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

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Table 1C

Crop	Pest	Application Rate- Gals. Oil		Comments
		Dilute Spray Per 100 Gal. Water	Low Volume* Spray Per 80- 125 Gal. Water	
Lemons and Grapefruit	Mites Scales Including Calif. Red Scale	1.0-1.4 1.0-1.6	10-20	For Best Results, Spray During Fall, Early Winter & Spring Months When Red Scale Are More Easily Controlled And Trees Generally Less Reactive To Oils. For All Citrus Oil Sprays, Ensure Adequate Soil Moisture; Leaves Should Not Wilt Before Noon.
Navel* & Valencia Oranges, Other Citrus Varieties Including Non-Bearing	Mites Including Rust Mite Spider Mite Scales Including Black Scale Calif. Red Scale Whitefly & Blackfly Sooty Mold	1.0-1.4  1.0-1.3 1.3-1.6 1.0-1.3 1.0-1.3	10-20	For Low Volume Oil Spray Treatment During The Spring, Application Should be Discontinued As Soon As Temperatures Go Above 90 F During The Day Or Relative Humidity Is Expected To Go Down To 20 Percent Or Below. Oils Applied After Oct. May Increase Cold Damage To Trees. Oils Applied In Aug. & Sept. May Affect Solids Content And Retard Coloring. The Addition Of A Tank Mix Pesticide Will Improve Performance Against Scales.

\*Low volume applications require a minimum of 10 gallons of oil per acre for trees up to 10 feet in height plus 1 gallon per acre for each additional foot of average tree height. For navels, with the development of bloom, the amount of spray oil added to the 10 gallon-per-acre dosage for trees taller than 10 feet, in gallons per acre additional foot of average tree height, should be reduced to 3/4 gallon and then to 1/2 gallon at petal fall and postbloom through the June drop period

Table 2

**Shade Trees, Shrubs, Ornamentals, Flower & Foliage Plants, Christmas Trees**

Crop or Plant	Pest	Gal. Oil Per 100 Gal. Water	Time of Application
Shade Trees* And Shrubs Including Conifers, Deciduous Broadleaf Evergreens And Woody Ornamentals	Aphids Adelgids Bugs (immature) Certain Caterpillars Eriophyid Mites	2-4	Winter Dormant Period As Needed
Ornamental Trees* Shrubs Along City Streets, Other Rights-Of-Way Including Conifers, Deciduous and Broadleaf Evergreens	Gall Mites Lace Bug Leaf Beetle Larvae Leaf Miner Mealybug	1-3	Summer (Foliar Or Cover) As Needed
Flowers & Foliage Plants Including Roses And Other Flowering Shrubs. Foliage Ornamentals And Bedding Plants.	Psyllids (immature) Sawfly (larvae) Scales (immature) Spider Mites Thrips Whiteflies (immature)	2-3	Winter Dormant Period As Needed
Christmas Trees*	Aphids Adelgids Scale (soft & hard) (immature) Spider Mites	2-4 Gals. 1-3 Gals.	Winter Summer

\*Oil removes the glaucous (blue) bloom from such evergreens as Colorado Blue Spruce and Koster Spruce. Always use lower dosage or test spray oil sensitive plants such as crytomeria, smoke tree, chamaecypris, juniper, japanese holly and spruce. Tendency toward sensitivity: red cedar and douglas fir. Do not spray walnut foliage.

Caution: Spray no more than 4 times during the growing season; two week minimum application interval. Do not spray when buds have fully opened and shoot elongation is occurring. Do not spray when there is obvious moisture deficit in leaves, or the plant is under stress. Fall dormant treatments are not recommended. Keep away from open blooms- bleaching and spotting has been observed with the open blooms of certain plants.

Table 3

Small fruits

Crops	Pest	Gal. Oil Per 100 Gal Water	Time of Application
Caneberries	Aphids	2	Dormant
	Leafhopper	1	Spring-Summer (Foliar)
	Mites	2	Post Harvest
	Whitefly (immature)		
	Psyllid		
Cranberries	Leafhopper	1 - 2	As Needed
	Scale		
Blueberries	Thrips	2	Foliage
	Mites	2	Foliage
	Sawfly (eggs)	2	
	Scales	3	Dormant
Strawberries	Aphids	1	Dormant and Foliage
	Mites		

Table 3 (cont)

Crop	Pest	Application Rate- Gallons of Oil		Timing Of Application
		Dilute Spray	Concentrate Spray* (40-100 Gals. Spray Per Acre)	
Grapes	Mealybug	4-6 Gal. With 200 To 300 Gal. Water/ Acre	Not Recommended	Dormant- A Tank Mix Using An Insecticide Improves Control
	Mealybug	Not Recommended	4	Spray When Crawlers Are Active and Exposed Usually Around Early Summer (Around July 1)
	Leafhopper	Not Recommended	4	Best Results Will Occur When Sprayed During First Brood. Sprays After Grapes Are More Than 1/4" Diameter May Affect Bloom.
	Mites	Not Recommended	4	Apply Before Mites Reach High Populations. Vineyard Should Be Vigorous And Amply Supplied With Moisture. Do Not Allow Excessive Webbing Or Burning.

\*Air-carrier or air-blast type sprayers strongly recommended to avoid plant injury and reduce effect on bloom of table grapes.



TABLE 4

## Vegetables

Crops	Pest	Gal oil per 100 gal water	Time of Application
Asparagus Beans Beets Cabbage Cauliflower & other cole crops Celery Corn Cucurbit Eggplant Lettuce Melon Pepper Potato Radish Squash Tomato Tobacco	Aphids Mites Beetle Larvae Leafminers Certain Caterpillars Thrips Leafhopper Whitefly	1-2	As Needed

Table 5

## Field Crops

Crops	Pest	Gal Oil per 100 gal water	Time of Application
Alfalfa Corn (sweet & field) Cotton Peanuts Soybeans Sugar Beets	Aphids Mites Leafminers Certain Caterpillars including Corn Earworm Rootworm & Armyworm Whitefly Bugs (immature)	2	As Needed

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Table 6

**Greenhouse**

Crop Or Plant	Pest	Tablespoons Oil In 1 Gal. Water	Gals. Oil Per 100 Gal. Water	Specific Comments
Azaleas	Aphids	2.5-5.0	1-2	Do Not Use On Coconut Palms Or Maidenhair Ferns
Begonias	Fungus Gnats	2.5-5.0	1-2	
Camellias	Bugs	2.5-5.0	1-2	Chrysanthemum and Geranium Blooms Have Shown Phytotoxic Symptoms At The 2 Gallon Rate. *Although No Problems With Phytotoxicity Have Been Seen At Recommended Rates, We Recommend That The Applicator Conduct A Phytotoxicity Test On 1 Or 2 Of The Specific Plants That Are To Be Treated **No Phytotoxic Effects Have Been Seen With Poinsettia Bracts At The Recommended Rate.
Chrysanthemum	Leafminers	2.5-5.0	1-2	
Crown of Thorns	Mealybugs	2.5-5.0	1-2	
Diffenbachia*	Scales (soft & hard)	2.5	1	
Easter Lilies		2.5-5.0	1-2	
Ferns	Spider Mites	2.5-5.0	1-2	
Gardenias	Thrips	2.5-5.0	1-2	
Geranium	Whitelly (immature)	2.5-5.0	1-2	
Hibiscus Foliage		2.5-5.0	1-2	
Jade Plant		2.5-5.0	1-2	
New Guinea Impatiens		2.5-5.0	1-2	
Palms		2.5-5.0	1-2	
Philodendron		2.5-5.0	1-2	
Poinsettias**		2.5	1	
Portulaca		2.5-5.0	1-2	
Reiger Begonias		2.5-5.0	1-2	
Zinnias		2.5-5.0	1-2	
Leaf Polish For Hardy Plants		2.5	1	

Frequency of Application: For the greenhouse pests listed, use once a week initially, then as the pest is controlled decrease the frequency to every 2-3 weeks as needed.

Application safety during bloom period should be determined for each individual species of plant to be treated by conducting a small test.

**Interiorscapes\***

Plants	Pest	Gals. Oil Per 100 Gal Water	Tablespoons Oil in 1 Gal. Water	Comments
Chrysanthemum Diffenbachia Dracaena Ferns Ficus Gardenias Jade Plant Palms Philodendron Pothos Schefflera	Aphids Leafminers Mealybugs Scales Spider Mites Whitefly (immature)	1 - 2	2.5-5.0	Do Not Apply To Plants In Direct Sunlight Behind Glass. Do Not Use On Coconut Palms And Maidenhair Ferns. Chrysanthemum Blooms Have Shown Phytotoxic Symptoms At The Higher Rate Applicator Should Conduct A Test For Phytotoxicity By Treating A Few Specimens Before Making A Large-Scale Application.

\*Protect floor, floor coverings and furnishings from overspray.

**Miscellaneous:**

**Figs:** Dormant Or Delayed Dormant: Fig Scale- Use 3 Gals. In 100 Gal. Water As A Foliar Spray: Mites, Mealybug, Scale- Use 2 Gals. Per 100 Gals. Water.

**Olives:** Postbloom through August And Postharvest: Scales- Use 1.5 Gals Per 100 Gal. Water. Apply At 400 to 800 Gal. Per Acre.

**Banana, Plantains:** Use As Needed To Control Yellow Sigatoka Disease- Use 1-1.5 Gal Per 100 Gal. Water. This Application Is Also Effective In Loosening Sooty Mold Fungus And In Preventing It's Formation By The Control Of Aphids, Mealybugs, Scales and Whitefly.

**Avocado (Haas Only) and Mangos:** Use 1-1.5 Gals. Per 100 Gal. Water As Needed To Control Aphids, Mealybugs, Scales and Whitefly.