

PM 19 862-23

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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.

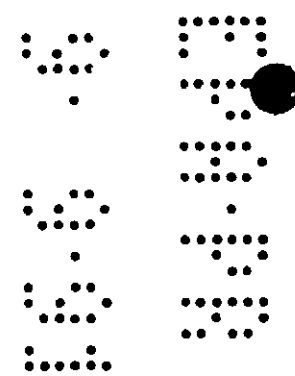
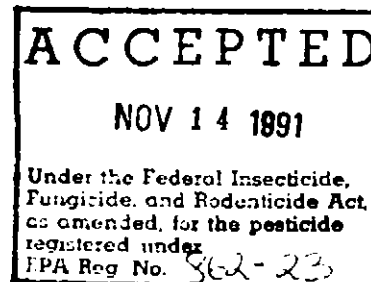
ENVIRONMENTAL HAZARDS

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



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STORAGE AND DISPOSAL

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

Storage: Keep oil container tightly 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 it's original container only.

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

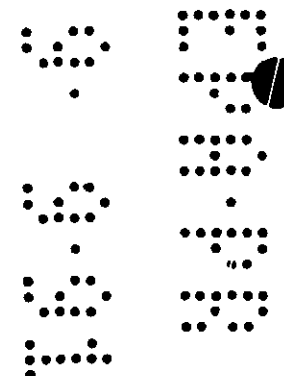
Container Disposal: Do not reuse container (bottle, can, jar). Rinse thoroughly before discarding in the trash.

USE PRECAUTIONS

Do not spray plant 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 it's 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.

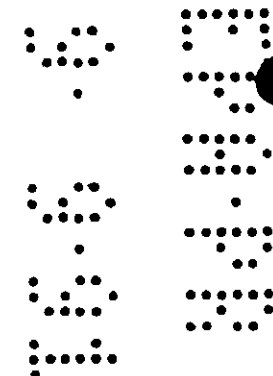
APPLICATION INSTRUCTIONS

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.

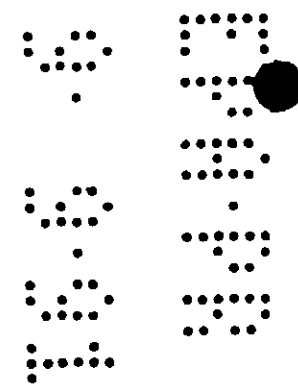
Note: THIS PESTICIDE IS TO BE SOLD ONLY THIS ORIGINAL UNBROKEN CONTAINER.



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TABLE 1A

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



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TABLE 1B

CROP	PEST	APPLICATION RATE: SUNSPRAY 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	
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.

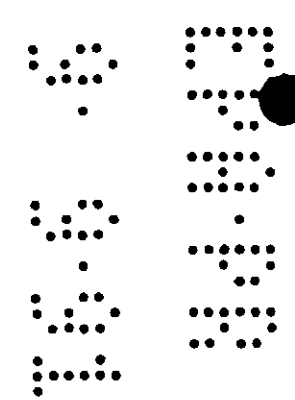
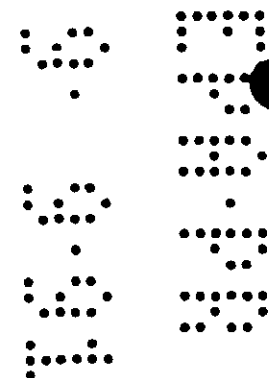


TABLE 1B (CONTINUED)

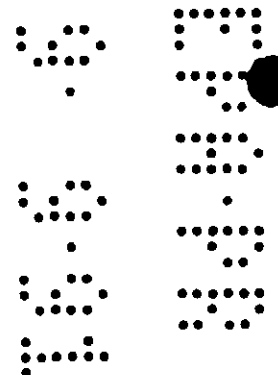
CROP	PEST	APPLICATION RATE: TABLESPOONS TABLESPOONS OF SunSpray PER 1 GALLON WATER	TIME OF APPLICATION (STAGE OF DEVELOPMENT)
PLUMS PRUNES	APHIDS (EGGS) SCALES MITES (EGGS) PEACH TWIG BORER (HIBERNACULAE)	4.0-5.0	DORMANT OR DELAYED DORMANT TO 1/2" GREEN TIP
	MITES SCALES	2.5-4.0	SUMMER (FOLIAR OR COVER) 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.



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TABLE 1C

CROP	PEST	APPLICATION RATE: TABLESPOONS 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.



		GALLON WATER	
SHADE TREES* AND SHRUBS INCLUDING CONIFERS DECIDUOUS, BROADLEAF EVERGREENS & WOODY ORNAMENTALS	APHIDS ADELGIDS BUGS (IMMATURE) CERTAIN CATERPILLARS ERIOPHYID MITES GALL MITES LACE BUG LEAF BEETLE LARVAE LEAFMINER MEALYBUG PSYLLIDS (IMMATURE) SAWFLY LARVAE SCALES (IMMATURE) SPIDER MITES THRIPS WHITEFLIES (IMMATURE)	5-10 2.5-7.5	WINTER DORMANT PERIOD AS NEEDED SUMMER (FOLIAR OR COVER) AS NEEDED.
ORNAMENTAL TREES*, SHRUBS ALONG CITY STREETS AND OTHER RIGHTS OF WAY INCLUDING CONIFERS, DECIDUOUS AND BROADLEAF EVERGREENS		5.0-7.5	WINTER DORMANT PERIOD AS NEEDED.
FLOWERING AND FOLIAGE PLANTS INCLUDING ROSES AND OTHER FLOWERING SHRUBS FOLIAGE ORNAMENTALS & BEDDING PLANTS		2.5-5.0	SUMMER (FOLIAR OR COVER) AS NEEDED.
CHRISTMAS TREES*	APHIDS ADELGIDS SCALES (SOFT + HARD) SPIDER MITES	5-10 2.5-7.5	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 CRYPTOMERIA, SMOKE TREE, CHAMAECYPRIIS, 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 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	PESTS	APPLICATION RATE: TABLET TABLESPOONS OF SunSpray PER 1 GALLONS WATER	TIME OF APPLICATION
CANEBERRIES	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.

10.4.13

TABLE 4

VEGETABLES

CROPS	PESTS	APPLICATION RATE: 4.0-5.0 TABLESPOONS OF SunSpray PER 1 GALLON WATER	TIME OF APPLICATION
ASPARAGUS BEANS BEETS CORN CUCURBITS PEPPERS RADISHES SQUASH TOMATOES	APHIDS MITES BEETLE LARVAE LEAFMINERS CERTAIN CATERPILLARS LEAFHOPPERS WHITEFLY THRIPS	2.5-5.0	AS NEEDED

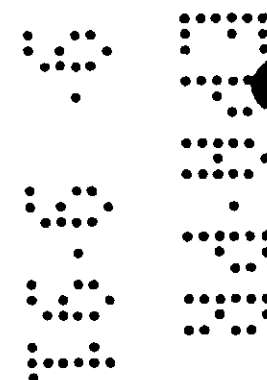
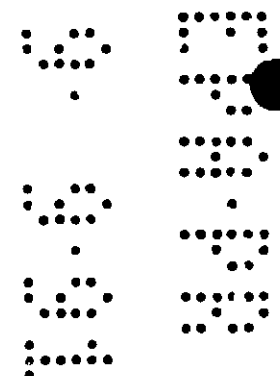


TABLE 5

FIELD CROPS

CROPS	PESTS	APPLICATION RATE: REDACTED TABLESPOONS OF SunSpray PER 1 GALLON WATER	TIME OF APPLICATION
ALFALFA CORN (SWEET + FIELD) SUGAR BEETS	APHIDS MITES LEAFMINER CERTAIN CATERPILLARS INCLUDING CORN EARWORM, ROOTWORM AND ARMYWORM BUGS (IMMATURE) WHITEFLY	5.0	AS NEEDED



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TABLE 6

GREENHOUSE

CROP OR PLANT	PEST	APPLICATION RATE: TABLESPOONS OIL 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 2.5-5.0 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.

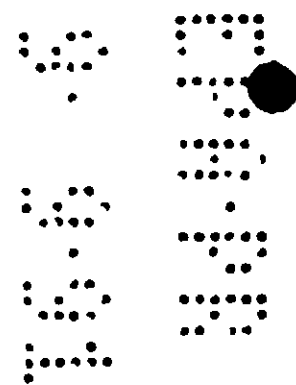


TABLE 7
INTERIORSCAPES

PLANTS	PESTS	APPLICATION RATE: XXXX TABLESPOONS OF SunSpray IN 1 GALLON WATER	COMMENTS
CHRYSANTHEMUM DIEFFENBACHIA DRACAENA FERNS FICUS GARDENIAS JADE PLANT PALMS PHILODENDRON PATHOS SCHEFFLERA	APHIDS LEAFMINERS MEALYBUGS SCALES SPIDER MITES WHITEFLY (IMMATURES)	2.5-5.0	DO NOT APPLY TO PLANTS IN DIRECT SUNLIGHT BEHIND GLASS. DO NOT USE ON COCONUT PALMS OR MAIDENHAIR FERNS. CHRYSANTHEMUM BLOOMS HAVE SHOWN PHYTOTOXIC SYMPTOMS AT THE HIGHER RATE. THE 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 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

