

1/7/97

PM 19

862-9

PS 1/9



# SUNSPRAY<sup>®</sup> 11E

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%
*Unsulfonated 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.

**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. 862-9**



**Sun Company, Inc. (R&M)**

Ten Penn Center  
1801 Market Street  
Philadelphia, PA 19103-1699

FOLD11Emac.pm6

1

8/30/96, 11:11 AM

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.

862-9

96 SEP 12 P12:03

RECD EPA/OPP/OPD1

279

**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, Morocide and Omite or fungicides such as Captan, Folpet, Dichlone, Dikar, Dyrene, Karathene, 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 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.



**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, Juniper, Spruce, and Smoke Tree. Tendency toward sensitivity: Red cedar and Douglas Fir. Use with caution and reduced dosage for dormant application on Sugar Maple and Redbud.

**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 topping 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 11E 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.*

489



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

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.

**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.

**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)
		Dikate Spray per 100 Gal. Water	Concentrate per 20-125 Gal. Water	Aerial* Min. 20 Gal. Spray	
Apples	Apple Red Bug	2	6	6	Dormant
	European Fruit Lecanium Scale	2	6	6	Dormant
	Fruit Tree Leaf Roller	3	6	6	Dormant
	European Red Mite	2	6	6	Green Tip to Delayed Dormant 1/2" Green
	San Jose Scale	2	6	6	Delayed Dormant 1/2" Green
	Sourly Scale	3	6	6	Delayed Dormant 1/2" Green
	Pears	Fruit Tree Leaf Roller	3	4	4
	Pear Leaf Blister Mite Pear Psylla	3 2	4 4	4 4	Dormant Late Dormant
Pecans	Obscure Scale	3	6	6	Dormant
Peaches	Cottony Peach Scale	3	4	6	Dormant
Plums & Prunes	European Red Mite	2	6	6	Dormant to Delayed
	European Fruit Lecanium Scale	2	6	6	Dormant 1/2" Green
Nectarines	San Jose Scale	2	4	6	Dormant
Cherries (sweet & tart)	San Jose Scale	2	4	6	Dormant
Blueberries	San Jose Scale	2			Dormant
	Putnam Scale	3			Dormant
Azalea	Azalea Bark Scale European Red Mite	2			Dormant to Bud Break
Flower Crab	As Above	2			As Above
Flowering Cherry	As Above	2			As Above

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



Crop	Insect Control Aid	Application Rate 11E Gals. per 100 Gal. Dilute Spray	Time of Application (Stage of Development)
<b>Dogwood</b>	Dogwood Scale San Jose Scale	2	Dormant to Bud Break
<b>Euonymus</b>	San Jose Scale Euonymus Scale	2	As Above
<b>Holly</b>	Holly Scale	2	As Above
<b>Hawthorn</b>	San Jose Scale	2	As Above
<b>Juniper</b>	Juniper Scale	2	As Above
<b>Lilac</b>	San Jose Scale	2	As Above
<b>Pines</b>	Pine Needle Scale	2	As Above
<b>Privet</b>	White Peach Scale	3	As Above
<b>Rhododendron</b>	Azalea Bark Scale	2	As Above
<b>Rose</b>	Rose Scale	2	Dormant
<b>Spirea</b>	San Jose Scale	2	Dormant to Bud Break



7/9



# SUNSPRAY® 11E

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%
*Unsulfonated 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.

## 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**  
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.

EPA Registration No. 862-9



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

EPA Establishment No. 862-OK-1

Net Contents: 5 Gallons

AI-1875 12/96



# SUNSPRAY® 11E

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	468.0°F
*Flash Point	375.0°F
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

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 burning is prohibited.
2. Storage: Store in a cool, dry, locked area out of the reach of children. Keep 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.

EPA Registration No. 862-9



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

EPA Establishment No. 862-OK-1

Net Contents: 55 Gallons

AI-1874 12/96





# SUNSPRAY® 11E

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%
*Un sulfonated 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.

## 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

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: Three times 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: Three times 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.

EPA Registration No. 862-9



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



AI-1873 12/CS

PM-19

Reg # 862-9

197

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 11E  
EPA Registration Number 862-9  
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

297

# SUNSPRAY® 11E

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 .....	468.0°F
*Flash Point .....	375.0°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. 862-9**



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

FOLD11Emac.pm6

8/30/96, 11:11 AM

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.  
862-9

REC'D EPA/OPP/DPD1  
 96 SEP 12 P12:03



**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, Morocide, and Omite or fungicides such as Captan, Folpet, Dichlone, Dikar, Dyrene, Karathene, 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 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.



497



**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, Juniper, Spruce, and Smoke Tree. Tendency toward sensitivity: Red cedar and Douglas Fir. Use with caution and reduced dosage for dormant application on Sugar Maple and Redbud.

**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 topping 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 11E 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.*



597



**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, leafhoppers, 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



4



697

Crops	Insect Control Aid	Application Rate - Gallons 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	Apple Red Bug	2	6	6	Dormant
	European Fruit Lecanium Scale	2	6	6	Dormant
	Fruit Tree Leaf Roller	3	6	6	Dormant
	European Red Mite	2	6	6	Green Tip to Delayed Dormant 1/2" Green
	San Jose Scale	2	6	6	Delayed Dormant 1/2" Green
	Scurfy Scale	3	6	6	Delayed Dormant 1/2" Green
Pears	Fruit Tree Leaf Roller	3	4	4	Dormant
	Pear Leaf Blister Mite	3	4	4	Dormant
	Pear Psylla	2	4	4	Late Dormant
Pecans	Obscure Scale	3	6	6	Dormant
Peaches	Cottony Peach Scale	3	4	6	Dormant
Plums & Prunes	European Red Mite	2	6	6	Dormant to Delayed Dormant 1/2" Green
	European Fruit Lecanium Scale	2	6	6	
Nectarines	San Jose Scale	2	4	6	Dormant
Cherries (sweet & tart)	San Jose Scale	2	4	6	Dormant
Blueberries	San Jose Scale	2			Dormant
	Pulnam Scale	3			Dormant
Azalea	Azalea Bark Scale	2			Dormant to Bud Break
	European Red Mite				
Flower Crab	As Above	2			As Above
Flowering Cherry	As Above	2			As Above

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

727



<b>Crop</b>	<b>Insect Control Aid</b>	<b>Application Rate 11E Gals. per 100 Gal. Dilute Spray</b>	<b>Time of Application (Stage of Development)</b>
<b>Dogwood</b>	Dogwood Scale San Jose Scale	2	Dormant to Bud Break
<b>Euonymus</b>	San Jose Scale Euonymus Scale	2	As Above
<b>Holly</b>	Holly Scale	2	As Above
<b>Hawthorn</b>	San Jose Scale	2	As Above
<b>Juniper</b>	Juniper Scale	2	As Above
<b>Lilac</b>	San Jose Scale	2	As Above
<b>Pines</b>	Pine Needle Scale	2	As Above
<b>Privet</b>	White Peach Scale	3	As Above
<b>Rhododendron</b>	Azalea Bark Scale	2	As Above
<b>Rose</b>	Rose Scale	2	Dormant
<b>Spirea</b>	San Jose Scale	2	Dormant to Bud Break

