

# INSECTICIDE



## IVC 440 SUPREME SPRAY OIL

For Use In Organic Crop Production

<b>ACTIVE INGREDIENT:</b>		<b>BY WT.</b>
Mineral Oil* .....		99.00%
<b>OTHER INGREDIENTS</b> .....		1.00%
<b>TOTAL</b> .....		<b>100.00%</b>

\*Contains petroleum distillates

Unsulfonated Residue ..... 95.00%

Aromatic Composition ASTM D2140 ..... 0.00%

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

FIRST AID	
Have the product container or label with you when calling a poison control center or doctor or going for treatment.	
<b>If swallowed:</b>	<ul style="list-style-type: none"><li>• Immediately call a poison control center or doctor.</li><li>• <b>DO NOT</b> induce vomiting unless told to do so by a poison control center or doctor.</li><li>• <b>DO NOT</b> give ANY liquid to the person.</li><li>• <b>DO NOT</b> give anything by mouth to an unconscious person.</li></ul>
<b>If in eyes:</b>	<ul style="list-style-type: none"><li>• Hold eyes open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, continue rinsing.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
<b>If on skin or clothing:</b>	<ul style="list-style-type: none"><li>• Take off contaminated clothing.</li><li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
<b>If inhaled:</b>	<ul style="list-style-type: none"><li>• Move person to fresh air.</li><li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.</li><li>• Call a poison control center or doctor for further treatment advice.</li></ul>
<b>NOTE TO PHYSICIAN: Contains petroleum distillates. Vomiting may pose aspiration pneumonia.</b>	
<b>FOR MEDICAL EMERGENCY INVOLVING THIS PRODUCT, CALL CHEMTREC Day or Night Within USA and Canada: 1-800-424-9300</b>	

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Distributed By:  
INNVICTIS ORGANIC ADVANCEMENTS  
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## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS & DOMESTIC ANIMALS

**CAUTION:** Harmful if swallowed or absorbed through skin or inhaled. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals. Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. Avoid breathing spray mist. Wash thoroughly with soap and water after handling.

### PERSONAL PROTECTIVE EQUIPMENT (PPE)

**Mixers, loaders, applicators, flaggers, and other handlers must wear:**

Long-sleeved shirt and long pants, chemical resistant gloves made of Barrier Laminate, Nitrile Rubber  $\geq$  14 mils, Neoprene Rubber  $\geq$  14 mils, or Viton  $\geq$  14 mils and shoes plus socks.

Follow manufacturer's instruction for cleaning/maintaining PPE. If no such instructions for washables exists, use detergent and hot water. Keep and wash PPE separately from other laundry.

Discard clothing and other absorbent material that have been drenched or heavily contaminated with the product's concentrate.

**DO NOT** reuse them.

**Engineering Controls Statements:** When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets with requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS. Pilots must use an enclosed cockpit that meets the requirements listed in the WPS for agricultural pesticide [40 CFR 170.240(d) (6)].

### USER SAFETY RECOMMENDATIONS

#### Users should:

Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.  
Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.  
User should remove PPE immediately after handling this product. Wash the outside of gloves before removing.  
As soon as possible, wash thoroughly and change into clean clothing.

### ENVIRONMENTAL HAZARDS

**DO NOT** discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. **DO NOT** discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

**DO NOT** apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark.

**DO NOT** contaminate water when disposing of equipment washwaters or rinsate. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas.

### PHYSICAL OR CHEMICAL HAZARDS

**DO NOT** weld, heat or drill this container. Residues may ignite with explosive violence if heated sufficiently.

### 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 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 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 workers entry into treated areas during the restricted entry interval of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as soil, or water, is: coveralls, shoes plus socks, and chemical-resistant gloves made of Barrier Laminate, Nitrile Rubber  $\geq$  14 mils, Neoprene Rubber  $\geq$  14 mils or Viton  $\geq$  14 mils.

### RESTRICTIONS

- DO NOT** apply this product in a way that will contact persons, either directly or through drift.
- Only protected handlers may be in the area during application.
- DO NOT** apply this product through any type of irrigation system.
- IVC 440 SUPREME SPRAY OIL** must be diluted before an application is made.

### PRECAUTIONS

- For applications (except for dormant sprays), the spray tank must be free of any sulfur residue before using **IVC 440 SUPREME SPRAY OIL**. **DO NOT** combine this product with any type of sulfur spray. **DO NOT** apply **IVC 440 SUPREME SPRAY OIL** after a sulfur application until sufficient time has passed for safety (at least 30 days). If doubts exist, spray **IVC 440 SUPREME SPRAY OIL** mixture on a portion of one tree that was treated with sulfur. If no burn is noted in several days, enough time has passed. **DO NOT** spray when temperatures are above 95 °F or when temperatures drop below 35 °F. **DO NOT** use on foliage closer than 60 days after or 90 days before using Captan or Folpet products. For dormant sprays, **DO NOT** combine this product with sulfur sprays unless the mixture has been tested on the crop and the mixture has been shown to be safe for the crop.
- DO NOT** apply if this product will drift to food forage or other crops that might be damaged.
- DO NOT** mix with insecticides or fungicides incompatible with oil. Consult your State Agricultural Extension Service or Fieldman for specific compatibilities.
- Application to trees weakened by disease, drought, drying winds or high nitrogen applications may result in injury to the trees.

### MIXING DIRECTIONS

Check to make sure this product will emulsify. If the mixture is not milky after agitation, **DO NOT** use this product. **DO NOT** use this material if it does not emulsify.

With the agitator running, start filling the spray tank with water. Add wettable powders or other products when the tank is one third full and always before adding **IVC 440 SUPREME SPRAY OIL**. When the tank is one half full and with good agitation, add the proper amount of **IVC 440 SUPREME SPRAY OIL**, then fill to the desired volume. Constant agitation must be maintained during mixing and application.

This product may be used as a carrier for appropriate insecticides and fungicides which are registered for use on deciduous fruits and nuts and which can be applied to give a uniform spray. For recommendations on timing and combinations with **IVC 440 SUPREME SPRAY OIL**, consult your local Agricultural Extension Service or Fieldman.

Use only in spray machines with powerful positive agitation. Keep agitator running at all times during spray operations.

This product is formulated as a "fast break" spray oil and will not stay in solution unless agitated constantly.

*It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.*

#### ORCHARD CONCENTRATE APPLICATION

Apply according to rates given in the table for each crop. All quantities of spray solution are for mature trees and vines with normal foliage cover. Reduce quantities proportionally for smaller immature trees and vines. Use only on crops listed on this label. Special concentrate spray equipment is necessary for this application.

**PRECAUTION:** Use efficient equipment of the proper type. **DO NOT** spray during or immediately prior to hot or freezing weather (over 95 °F or under 35 °F), hot dry wind, rain or other unsuitable conditions; avoid over spraying or double spraying. Spray plants only when in vigorous condition and when their moisture condition is suitable.

#### SPRAY DRIFT MANAGEMENT

A variety of factors including weather conditions (e.g., wind directions, wind speed, temperature, relative humidity) and method of application (e.g., ground, aerial, airstab, chemigation) can influence pesticide drift. The applicator and grower must evaluate all factors and make appropriate adjustments when applying this product.

##### **Ground:**

**Release Height:** Apply using a nozzle height of no more than 4 feet above the ground or crop canopy.

**Wind Speed: DO NOT** apply at wind speeds greater than 15 mph at the application site.

**Droplet Size:** Apply as a medium or coarser spray (ASAE standard 572), and the minimum volume mean diameter (VMD) for spinning atomizer nozzles.

##### **Aerial:**

**Release Height:** For aerial applications of agricultural products, **DO NOT** release spray at a height greater than 10 feet above the ground, top of crops, or above the orchard canopy. **Boom Length:** The boom length must not exceed 75% of the wingspan or 90% of the rotor blade diameter.

**Swath Adjustment:** When applications are made with a crosswind, the swath will be displaced downwind. The applicator must compensate for this displacement at the downwind edge of the application area by adjusting the path of the aircraft upwind. Leave at least one swath unsprayed at the downwind edge of the treated field.

**Wind Speed: DO NOT** apply at wind speeds greater than 15 mph at the application site.

**Droplet Size:** Apply as a medium or coarser spray (ASAE standard 572), and the minimum volume mean diameter (VMD) for spinning atomizer nozzles.

##### **Airstab:**

For airstab applications, turn off outward pointing nozzles at row ends and when spraying over row. To minimize spray loss over the top in orchard applications, spray must be directed into the canopy.

##### **Temperature Inversions:**

If applying at wind speeds less than 3 mph, the applicator must determine if a) conditions of temperature inversion exist, or b) stable atmospheric conditions exist at or below nozzle height. **DO NOT** make applications into areas of temperature inversions or stable atmospheric conditions.

#### ALMONDS, APRICOTS, CHERRIES, NECTARINES, PISTACHIOS, PEACHES, PLUMS AND PRUNES:

*(Directions for use on plums and prunes in California's Sacramento Valley can be found in the table following this one):*

PEST	APPLICATION RATE & TIMING	COMMENTS
Black Scale, Brown Soft Scale, European Fruit Lecanium Scale, Frosted Scale, Olive Scale, San Jose Scale, European Red Mite Eggs, Aphid Eggs, Brown Mite Eggs, Fruittree Leafroller Eggs	<b>DORMANT AND DELAYED DORMANT:</b> Use 1 to 2 gallons per 100 gallons of water at 300 to 500 gallons per acre. (Concentrate Spray: Use 5 to 7 gallons per acre in a minimum of 20 gallons by air or 100 gallons by ground of water per acre).	Preferred timing of application for European Fruit Lecanium Scale and European Red Mite Eggs is green tip to Delayed Dormant and for San Jose Scale is Dormant, Green tip to delayed dormant.
Terrapin Scale	<b>DELAYED DORMANT:</b> Use 2 to 3 gallons per 100 gallons of water at 300 to 600 gallons per acre. (Concentrate Spray: Use 4 to 6 gallons per acre in a minimum of 20 gallons by air or 100 gallons by ground of water per acre).	
Cottony Peach Scale	<b>DORMANT:</b> Use 2 to 3 gallons per 100 gallons of water at 300 to 600 gallons per acre. (Concentrate Spray: Use 4 to 7 gallons per acre in a minimum of 20 gallons by air or 100 gallons by ground of water per acre).	
Two Spotted Spider Mites, Pacific Mite, European Red Mite, Brown Mite	<b>FOLIAR SPRAY:</b> Use 1/2 to 1 1/2 gallons per 100gallons of water at 300 to 600 gallons per acre. (Concentrate Spray: <b>DO NOT</b> use more than 4 gallons per acre in a minimum of 20 gallons by air or 100 gals by ground of water per acre).	Certain varieties of plums and prunes may be injured by all sprays, check for tolerance prior to treatment.
White Peach Scale on Peaches: Only for use in Georgia, Florida, South Carolina, North Carolina and Alabama.	<b>DORMANT:</b> Use 1 1/2 to 2 gallons per 100 gallons of water at 300 to 600 gallons per acre. (Concentrate Spray: Use 5 to 7 gallons per acre in a minimum of 20 gallons by air or 100 gallons by ground of water per acre).	Apply before buds begin to swell in the spring. Make 2 applications 7 to 14 days apart, according to local recommendations, during the dormant period.

**PLUMS AND PRUNES:** *(Sacramento Valley of California Only):***Restriction: For Aerial Application - Apply by air only when soil conditions DO NOT permit regular ground application.**

PEST	APPLICATION RATE & TIMING	COMMENTS
Black Scale, European Fruit Lecanium Scale, San Jose Scale, Olive Scale, Frosted Scale, Mealy Plum Aphid Eggs, Leaf Curl Plum Aphid Eggs, Brown Mite Eggs, European Red Mite Eggs	<b>PRE-BLOOM WHEN FRUIT BUDS SHOW GREEN TIPS:</b> Use 1 1/2 to 2 gallons per 100gallons of water at 300 to 600 gallons per acre. (Concentrate Spray: Use 4 to 6 gallons per acre in a minimum of 20 gallons by air or 100 gallons by ground of water per acre).	Application at this time is preferred.
Two Spotted Spider, Pacific Spider, European Red Mite, Brown Mite	<b>FOLIAR SPRAY:</b> Use 1/2 to 1 gallon per 100gallons water at 300 to 600 gallons per acre. (Concentrate Spray: Use 4 gallons maximum per acre in a minimum of 20 gallons by air or 100 gallons by ground of water per acre).	Oil sprays may injure certain varieties of plums and prunes, check for tolerance prior to treatment.

**CITRUS:** *(California Only):***Lemons, Grapefruit, and Oranges (Navel and Valencia), Limes, Tangerines, Tangelos, and other citrus varieties.****PRECAUTION**

- **DO NOT** apply oil sprays when trees show stress.
- **DO NOT** apply prior to or during a period of excessively high temperatures above 95 °F. (85 °F to 95 °F on the coast)
- Low volume spray (LV): Apply with droplet depositions achieved on all interior and exterior parts of the tree using 20 to 100 gallons of spray solution per acre.
- Thorough coverage spray (TC): Applications should achieve a uniform film wetting of all portions of the tree at 250 to 2000 gallons of spray solution per acre. The total volume is dependent of the size of the trees.
- Consult with your local University of California Cooperative Extension Specialist or Fieldman for proper timing and spray volumes.

PEST	APPLICATION RATE & TIMING	COMMENTS
Mites - Citrus Bud, Citrus Flat, Citrus Red, Citrus Rust  Scales - Black, Brown, Soft, California Red, Citricola Purple, Yellow, Red	Central California: Apply 0.5 to 1.4 gallons per 100 gallons of water as thorough coverage spray (TC).  Alternately, use a low volume spray (LV) to apply 2.5 to 15 gallons per acre.	<b>DO NOT</b> apply to lemons within 60 days of harvest if lemons are to be sweated. For lemons and limes, make applications in June through September. For grapefruits make applications in August through September. For oranges, make applications on navels and Valencias - July through August and on tangelos, tangerines, and other citrus varieties - July through August. For navels and Valencias, treatment can be made from Feb 15 to 50% bloom, to avoid injury, use low concentration (1.0%). On navel oranges, <b>DO NOT</b> apply during or after color break.
Mites - Citrus Bud, Citrus Flat, Citrus Red, Citrus Rust  Scales - Black, Brown, Soft, California Red, Citricola Purple, Yellow, Red	Oxnard Plains Area: Apply 0.5 to 1.4 gallons per 100 gallons of water as thorough coverage spray (TC).  Alternately, use a low volume spray (LV) to apply 1 to 10 gallons per acre.	For lemon, grapefruits, oranges (navels and Valencias), limes, tangelos, tangerines, and other citrus varieties, make applications as needed throughout the year.  On navels, <b>DO NOT</b> apply during or after color break. <b>DO NOT</b> apply to lemons within 60 days of harvest.
Maximum of 212 pounds active ingredient per acre (maximum 2000 gallons of spray mix per acre) in California.		

**APPLES & PEARS**

PEST	APPLICATION RATE & TIMING	COMMENTS
San Jose Scale, Italian Pear Scale	<b>DORMANT AND DELAYED DORMANT:</b> Apply 1 1/2 to 2 gallons per 100 gallons of water in a minimum of 250 gallons per acre. (Concentrate Sprays: <b>DO NOT</b> use more than 6 gallons per acre in a minimum of 20 gallons by air or 100 gallons by ground of water per acre).	An application of an insecticide labeled for use on apples and pears will improve scale control.
Leaf Roller Eggs	<b>DELAYED DORMANT:</b> Apply 2 gallons per 100 gallons of water at 300 to 500 gallons per acre. (Concentrate Spray: Apply 5 to 6 gallons per acre in a minimum of 20 gallons by air or 100 gallons by ground of water per acre).	
Pear Psylla	Apply 1 gallon per 100 gallons of water at 300 to 600 gallons per acre. (Concentrate Spray: Apply 3 to 6 gallons per acre in a minimum of 20 gallons by air or 100 gallons by ground of water per acre).	An application of an insecticide labeled for use on apples and pears will improve summer scale control.
Red Mites, San Jose Scale, Italian Pear Scale (immature summer stage of scales)	<b>Summer Application (post harvest):</b> Apply 1 gallon per 100 gallons of water at 300 to 600 gallons per acre.	

**AVOCADOS**

PEST	APPLICATION RATE & TIMING	COMMENTS
Avocado Brown Mite, Thrips	Use 1 to 4 gallons per 100 gallons of water for thorough coverage in 400 to 3,000 gallons per acre. (Concentrate Spray: Use 4 to 15 gallons per acre in 50 to 100 gallons of water per acre). <b>DO NOT</b> exceed 30 gallons of oil per acre per application.	Apply through late fall. Consult with your local University of California Cooperative Extension Service or Fieldman for proper timing and application parameters. When an application of oil is more than 2% v/v, apply to a small test area and observe.

**GRAPES (Dormant)**

PEST	APPLICATION RATE & TIMING	COMMENTS
Mealybugs	<b>DORMANT:</b> Use 1 to 2 gallons per 100 gallons of water per acre with thorough coverage. <b>DO NOT</b> exceed 300 gallons per acre per application.	For improved control tank mix with a registered insecticide.

**KIWI**

PEST	APPLICATION RATE & TIMING	COMMENTS
Latonía Scale, Oleander Scale, San Jose Scale	<b>DORMANT:</b> Apply 4 to 6 gallons per treated acre. Apply in a minimum 100 gallons of water per acre.	<b>DO NOT</b> apply after bud break. Use the higher rate when scale populations are high.

**OLIVES**

PEST	APPLICATION RATE & TIMING	COMMENTS
Pariatoría Scale, Oleander Scale, Black Scale	Apply 1 1/2 gallons per 100 gallons of water as a dilute spray in 400 to 800 gallons of water per acre.	Apply prebloom or post bloom up to buckshot. <b>DO NOT</b> apply any oil between Aug 20 and harvest to Olives used for Spanish or green-ripe processing because of the risk of fruit spotting.

**PECANS**

PEST	APPLICATION RATE & TIMING	COMMENTS
Scales, Aphid Eggs, Mite Eggs	Apply 2 to 3 gallons in 100 gallons of water using minimum of 200 gallons water per acre. (Concentrate Spray: Apply 6 to 8 gallons per acre in a minimum of 20 gallons by air or 100 gallons by ground of water per acre).	Apply from late February up to bud break.

## WALNUTS

PEST	APPLICATION RATE & TIMING	COMMENTS
Brown Apricot Scale, San Jose Scale, Olive Scale, Oleander Scale, Frosted Scale, Italian Pear Scale, European Fruit Lecanium, Putnam Scale, Brown Soft Scale, Red Spider Mites, Aphid Eggs	<b>DELAYED DORMANT</b> (as buds begin to swell): Apply 1 gallon per 100 gallons of water. Apply as a dilute spray in 400 to 3,000 gallons per acre. (As a concentrate spray: Use 4 to 6 gallons in a minimum of 100 gallons of water per acre).	Oils must not be used on walnuts during the dormant season between bud break and shoot elongation, or on drought stressed trees.
Red Spider Mites	<b>Summer Use:</b> Apply 1 1/2 to 2 gallons per 100 gallons of water. Apply as a dilute spray in 400 to 3,000 gallons per acre. (As a concentrate spray: Use 4 to 6 gallons in a minimum of 100 gallons of water per acre).	Use only on trees that have not suffered from lack of moisture during the growing season. <b>DO NOT</b> apply if the temperature will exceed 90 °F at or following application.
Brown Apricot Scale, San Jose Scale (summer stage)	<b>Summer Use:</b> Apply 1 gallon per 100 gallons of water. Apply as a dilute spray in 400 to 3,000 gallons per acre.	<b>DO NOT</b> apply after husk split. <b>DO NOT</b> apply if the temperature will exceed 90 °F at or following application.

## BUSHBERRIES AND CANEBERRIES, INCLUDING BLACKBERRY, BLUEBERRY, BOYSENBERRY, RED AND BLACK RASPBERRY, EVERGREEN BLACKBERRY, KOTATA BLACKBERRY

PEST	APPLICATION RATE & TIMING	COMMENTS
Mites, Powdery Mildew, Rust, Scale	<b>FOLIAR APPLICATION - DILUTE SPRAY</b> ½ to 1 ½ gallons. per 100 gallons water.	Using ground equipment, apply spray for optimum coverage and thorough leaf wetness. For use on fungal diseases, use spray pressures (psi) sufficient to penetrate the canopy. <b>DO NOT</b> exceed 1.5 gallons of this product per acre. Use a minimum spray volume of 100 gallons / acre.
Mites, Powdery Mildew, Rust	<b>DELAYED DORMANT* - CONCENTRATE SPRAYS</b> 1 to 2 gallons per acre.  * California Only – Delayed dormant is defined as the growth stage up to the first presence of green tissue.	Use a minimum of 50 gallons. water per acre. <b>DO NOT</b> exceed 2% v/v solution.

## FIGS

PEST	APPLICATION RATE & TIMING	COMMENTS
Mealybug, Mites, Scale	<b>FOLIAR APPLICATION - DILUTE SPRAY</b> 1 to 2 gallons per 100 gallons of water.	<b>DO NOT</b> exceed 4 gallons of this product per acre. Use a minimum spray volume of 100 gallons / acre.
Mealybug, Mites, Scale	<b>DELAYED DORMANT* - DILUTE SPRAYS</b> 1 to 3 gallons per 100 gallons of water.  * California Only – Delayed dormant is defined as the growth stage up to the first presence of green tissue.	<b>DO NOT</b> exceed 6 gallons of this product per acre. Use a minimum of spray volume of 100 gallons / acre.

## HOPS (Not registered for use in California)

PEST	APPLICATION RATE & TIMING	COMMENTS
Mites	<b>FOLIAR APPLICATION - DILUTE SPRAY</b> 1 to 5 gallons per 100 gallons of water.	Apply this product with ground equipment only. Thorough coverage is essential. <b>DO NOT</b> exceed 5 gallons of this product per acre. Use 100 to 200 gallons of dilute spray per acre depending upon plant size. Use a minimum spray volume of 100 gallons / acre.
Powdery Mildew	1 to 5 gallons per 100 gallons of water.	Apply this product with ground equipment only. Thorough coverage is essential. <b>DO NOT</b> exceed 5 gallons of this product per acre. Use 50 to 200 gallons of dilute spray per acre depending upon plant size. Make first application at early leaf stage. Repeat every 7 to 14 days depending upon new growth. Use 7day application interval and /or 5 gallons of product per 100 gallons of water when the conditions for infection are more severe.
<b>DO NOT</b> use propargite with or following an oil spray. <b>DO NOT</b> spray wet foliage or if temperature is above 90 °F or if plants are under heat or moisture stress.		

**ORNAMENTALS AND SHADE TREES: APPLE, BIRCH, CONIFERS (See Note), DOGWOOD, FLOWERING PEACH, FLOWERING CHERRY, HAWTHORN, HOLLY, MAGNOLIA, MAPLE, OAK, PRIVET, PYRACANTHA, SYCAMORE**

PEST	APPLICATION RATE & TIMING	COMMENTS
Mites (Spider), Mites (Eggs of), Scale (Black, Brown Apricot, Oyster Shell, San Jose, Soft Brown)	<b>FOLIAR APPLICATION - DILUTE SPRAY</b> 1 gallon per 100 gallons of water.	<b>NOTE:</b> Application to Blue Spruce may cause discoloration. <b>DO NOT</b> use on conifers or ferns not tolerant to oil sprays. For the listed crops, make a test application on a small number of plants to test for oil sensitivity prior to making a commercial application to the entire crop. Allow sufficient rain event to precede or follow either an herbicide or propargite application before applying this product. <b>DO NOT</b> exceed 6 gallons of this product per acre. Use a minimum spray volume of 100 gallons / acre.
Mites (Spider), Mites (Eggs of), Scale (Black, Brown Apricot, Oyster Shell, San Jose <sup>1</sup> , Soft Brown)	<b>DELAYED DORMANT* - CONCENTRATE SPRAYS</b> 1 to 2 gallons per acre.  * California Only – Delayed dormant is defined as the growth stage up to the first presence of green tissue.	Use 1 gallon of this product per acre for non-deciduous trees. <b>NOTE:</b> Application to Blue Spruce may cause discoloration. <b>DO NOT</b> use on conifers or ferns not tolerant to oil sprays. For the listed crops, make a test application on a small number of plants to test for oil sensitivity prior to making a commercial application to the entire crop. Allow sufficient rain event to precede or follow either an herbicide or propargite application before applying this product. <b>DO NOT</b> spray freshly sheared or pruned needles, foliage or plant materials. For aerial application, use 1 to 2 gallons of this product per acre in a minimum of 10 gallons of water per acre.  <sup>1</sup> If San Jose Scale is a moderate to severe problem, use dilute application.

**CHRISTMAS TREES**

CROP	PEST	APPLICATION RATES & TIMING	COMMENTS
Christmas Trees** (For Winter Use Only)	Mites (Spider) Scale (Hard, Immature Stage) Scale (Soft, Immature Stage)	¼ to ¾ gallon per acre	Use ¼ gallon (1 qt) of product per 100 gallons of water for more sensitive plants. For concentrate spray, apply this product within the specified range of rates in 40 to 100 gallons of water per acre. For dilute spray, apply this product within the specified range of rates in 100 to 400 gallons of water per acre. <b>DO NOT</b> exceed ¾ gallons of this product per acre. <b>DO NOT</b> spray when freeze is anticipated. <b>DO NOT</b> apply this product within 15 days of any sulfur application.
** This product removes the glaucous (blue) bloom from evergreens such as Colorado Blue Spruce and Koster Spruce. Before using this product on certain plants, a test spray to determine the effects should be performed on sensitive varieties, such as Chamaecyparis, Cryptomeria, Douglas Fir, Japanese Holly, Juniper, Red Cedar, Spruce and some true fir species.			

**SEED CROP USES**

CROP	PEST	APPLICATION RATES & TIMING	COMMENTS
Alfalfa (Seed Alfalfa Only)	Mites (Spider)	¼ gallon per acre.	Apply this product in 20 to 30 gallons of water by ground application or 10 to 15 gallons of water by air with a registered acaricide/miticide for seed alfalfa.
Grasses grown for seed	Powdery Mildew	¼ to ¾ gallon per acre.	Apply this product in 20 to 30 gallons of water by ground application or 10 to 15 gallons of water by aerial application.

## STORAGE AND DISPOSAL

**DO NOT** contaminate water, food, or feed by storage or disposal.

**PESTICIDE STORAGE:** Keep out of reach of children and animals. Store in original containers only. Store in a cool, dry place and avoid excess heat. Carefully open containers. After partial use, replace lids and close tightly. **DO NOT** put concentrate or dilute material into food or drink containers. **DO NOT** contaminate other pesticides, fertilizers, water, food, or feed by storage or disposal.

In case of spill, avoid contact, isolate area and keep out animals and unprotected persons. Confine spills. Call collect: CHEMTREC 1-800-424-9300

To confine spill: If liquid, dike surrounding area or absorb with sand, cat litter or commercial clay. If dry material, cover to prevent dispersal. Place damaged package in a holding container. Identify contents.

**PESTICIDE DISPOSAL:** To avoid wastes, use all material in this container by application according to label directions. If wastes cannot be avoided, offer remaining product to a waste disposal facility or pesticide disposal program (often such programs are run by state or local governments or by industry).

### CONTAINER HANDLING:

**(For containers less than or equal to 5 gallons)** Nonrefillable container. **DO NOT** reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill or by other procedures approved by State and local authorities.

**(For containers larger than 5 gallons)** Nonrefillable container. **DO NOT** reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill or by other procedures approved by State and local authorities.

**(Bulk and trailer tank containers greater than 30 gallons).** Refillable. Refill this container with pesticide only. **DO NOT** reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then offer for recycling if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill or by other procedures approved by State and local authorities.

### CONDITION OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

**NOTICE:** Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

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