FIRST AID
Have the product container or label with you when calling a poison control center or doctor for treatment.

IF SWALLOWED:
1. Do not induce vomiting unless told to by a poison control center or doctor.
2. Do not give any liquid to the person.
3. Do not give anything by mouth to an unconscious person.

IF ON SKIN OR CLOTHING:
1. Take off contaminated clothing.
2. Rinse skin immediately with plenty of water for 15 – 20 min.
3. Call a poison control center or doctor for treatment advice.

IF IN EYES:
1. Hold eye open and rinse slowly and gently with water for 15 – 20 min.
2. Remove contact lenses, if present, after the first 5 min, then continue rinsing eye.
3. Call a poison control center or doctor for treatment advice.

IF INHALATION:
1. Move person to fresh air.
2. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.
3. Call a poison control center or doctor for further treatment advice.

NOTE TO PHYSICIAN: Petroleum distillate poses aspiration pneumonia hazard. Only minor irritation should be expected from any type of exposure other than pulmonary aspiration. Ingestion may result in some gastrointestinal and mild diarrhea. Since systemic toxicity is not expected, the added risk of aspiration from attempts to induce vomiting or lavage are deemed not warranted.

FOR A MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL: 1-800-832-HELP or a poison control center.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

KEEP OUT OF REACH OF CHILDREN

CAUTION

ENVIRONMENTAL HAZARDS

This product is toxic to fish. 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 when disposing of equipment wash waters or rinsewater. Used product mixing equipment is prohibited.

ENGINEERING CONTROLS STATEMENTS: When handlers use closed systems or enclosed cabs in a manner that meets with requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 190.249(b) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

USER SAFETY RECOMMENDATIONS

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

ENGINEERING CONTROLS STATEMENTS: When handlers use closed systems or enclosed cabs in a manner that meets with requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 190.249(b) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

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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. Confinе spills. To confine spill: If liquid, direct surrounding area or absorb with sand, clay, or other commercial spill media. If dry material, cover to prevent dispersal. Place damaged package in a holding container. Identify contents.

PESTICIDE DISPOSAL: Waste resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL:
Rigid, nonrefillable containers < 5 gal: Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Triple rinse (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 sec after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 sec. Pour rinse into application equipment or a mix tank or store rinse for later use or disposal. Drain for 10 sec after the flow begins to drip. Repeat this procedure two more times. If recycling is unacceptable, puncture and dispose of in sanitary landfill, or incineration, or if allowed by state and local authorities, by burning. If burned, stay out smoke.

Rigid, nonrefillable containers > 5 gal: Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Triple rinse (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. To the container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 sec. 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 rinse into application equipment or a mix tank or store rinse for later use or disposal. Repeat this procedure two more times. If recycling is unacceptable, puncture and dispose of in sanitary landfill, or incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

MIXING DIRECTIONS

1. Use only in equipment with sufficient agitation to keep spray thoroughly mixed. Be sure tank is clean.
2. With agitator running, start filling tank with water.
3. Add oil when tank is about 1/2 full. Pump this mixture through the overflow and back into tank for about two minutes. If this mixture turns white, it indicates good emulsification.
4. Fill the tank with water, adding other desired materials as tank is filling. If wettable powders are used, add and thoroughly mix before adding oil.
5. Observe all cautions and limitations on labeling of all products used in mixtures. Keep agitator running all times. If an injector is used, first add 25 – 50 gal of water to tank with engine running to provide good pressure.
6. Put injector suction tube into the measured amount of spray oil, opening injector valve to allow the oil to be sucked into the tank, then fill the tank with water.

DO NOT USE THIS MATERIAL IF IT DOES NOT EMULSIFY.

NOTE: This specimen label is for informational purposes only. All uses may not be approved in all states. See labeling which accompanied product for Directions for Use or call 800-777-8570 for more information.
# Application Rate & Timing

To ensure the best coverage, dilute applications (greater than 150 gal of spray solution per acre) are recommended. Contact compounds (usually from 20 – 150 gal) of spray solution may reduce the coverage and thus the effectiveness. Application volumes depend on the crop type, crop size and target pest. Use the spray volume to obtain the best coverage without runoff. Extreme care should be taken when using contact sprays as the potential for enhanced crop phytotoxicity is increased. If a contact application is required, tank mix can provide satisfactory results as long as the spray tank is properly engineered, calibrated and operated.

**Sulfur**: Do not apply sulfur within 10 days of an oil application. On some very fine micrometerized sulfur dusts, the penetration of an oil application and do not apply within 14 days of an application of wettable or dusting sulfur.

**Tank Mixes**: This product may be mixed with other pesticides to improve the level of pest control. Users should read and follow all directions and restrictions on the labels of the proposed tank mix products. The combination of this product with more than one pesticide is not recommended. Use caution and read all labels thoroughly when using any insecticide or miticide in combination with this product. Always run a test spray on a small plant before making a full-scale application. Do not use chlorothalonil (Bravo) or dimethoate (Cygon) in a spray application.

**Fruit and Nut Crops**

###アプリケーションレート及びタイミング

この製品は、その田園で使用されるものを含め、使用される特定の条件下で効果を最大化するための推奨量を提供しています。これには、天候の変化、植栽の成長度、およびその他の要因が含まれます。最適な保護を実現するためには、適切な濃度、時間、および方法が含まれます。製品の使用、および適切な調整は、この製品とその他の製品との組み合わせに影響されます。また、湿度の変化、または気温の変化にも影響される場合があります。使用される条件下により、異なる結果が得られる可能性があります。なお、これらの指針は、使用される環境に応じて適切に調整することが推奨されます。

<table>
<thead>
<tr>
<th>PESTS</th>
<th>APPLICATION RATE &amp; TIMING</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>APPLES AND PEARS</strong>: European Citrus Fruitleaf Scale, Olive Scale, San Jose Scale, European Red Mite Eggs</td>
<td>DORMANT OR DELAYED DORMANT: Use 1 – 2 gal per 100 gal of oil at 100 – 800 gal per acre. (Concentrate Spray: Use 3 – 8 gal per acre in a minimum of 20 – 100 gal water per acre.)</td>
</tr>
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<td><strong>APPLES ONLY</strong>: Apple Red Restaurants, Apple Rust, Apple Blight, European Red Mite Eggs</td>
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**NOTE**: Chart continues in next column.
Ultra-Pure™ Oil Horticultural Insecticide, Miticide and Fungicide

CITRUS: (Florida and Texas) - Grapefruit, Lemons, Limes, Oranges, Tangelos and Tangerines and other Citrus Hybrids.

**PESTS:**
- **Citrus Rust Mite:** 0.6 – 10 gal of oil per acre. Apply as a dilute spray.
- **Spider Mites:** 5 – 10 gal of oil per acre. Apply as a dilute spray.
- **Scale Insects: Black Soft, Black Soft, Chaff, Glover, Purple, Red, Yellow:** 5 – 10 gal of oil per acre. Apply as a dilute spray.
- **Scale Insects:** Black Soft, Black Soft, Chaff, Glover, Purple, Red, Yellow: 5 – 10 gal of oil per acre. Apply as a dilute spray.
- **Whitefly:** 5 gal of oil per acre. Apply as a dilute spray.
- **Gossy Spot (Grapefruit):** 5 gal of oil per acre. Apply as a dilute spray.
- **Gossy Spot (all other varieties):** 5 – 10 gal of oil per acre. Apply as a dilute spray.
- **Loosening Sooty Mold:** 5 – 10 gal of oil per acre. Apply as a dilute spray.

**COMMENTS:**
- Use higher rate when disease pressure is heavy.

**TROPICAL FRUIT:** Kiwi, Mango, Papaya and Pineapple.

**PESTS:**
- **Mites, Powdery Mildew:** 6 – 8 gal of oil per 100 gal of water. Apply as a high pressure spray (TC). Alternately, use a low volume spray (LV) at 1 – 2 gal of oil per acre. Apply up to 10 gal of oil per acre on level of disease pressure. Use high rate when disease conditions are severe. Use dormant rate when disease is severe.
- **Figs:** Apply 1 – 2 gal of oil per acre.

**COMMENTS:**
- Use high pressure sprayer.
- Do not apply to Navel oranges.

**VEGETABLES CROPS OUTDOOR AND GREENHOUSE ASPARAGUS, BEANS, BEETS, CABBAGE, CAULIFLOWER and other Cole crops, CELERY, CURCUBITS, EGGPLANT, LETTUCE, MELON, PEPPER, POTATO, PUMPKIN, RADISH, SQUASH, SWEET POTATO, TOMATO, HERBS AND SPICES (Curly Leaf Basil, Lemon Balm, Mexican Oregano, Mint), ORIENTAL VEGETABLES (Acerola, Atey, Balsam pear (Bitter melon), Carambola, Chinese broccoli (Gai Lon), Chinese cabbage (Gai Choy), Chinese spinach, Chinese waxgourd, Cilantro, Citron melon, Dasheen, Ginger, Ginseng, Mexican Oregano, Mint), ORIENTAL VEGETABLES (Acerola, Atey, Balsam pear (Bitter melon), Carambola, Chinese broccoli (Gai Lon), Chinese cabbage (Gai Choy), Chinese spinach, Chinese waxgourd, Cilantro, Citron melon, Dasheen, Ginger, Ginseng, Japanese artichoke, Japanese radish (Bokchoi), Rambutan):

**PESTS:**
- **Aphids:** 5 – 10 gal of oil per acre. Apply as a dilute spray. Apply the spray oil application rate in up to 1,500 gal of water per acre, or 10 – 2 gal per tree, to over 15 gal per tree for large trees. Best results can be obtained when the oil is added to a partially wetting of all portions of the tree at 250 – 2,000 gal of spray solution per acre. The total volume is dependent on the size of the trees. Do not exceed a maximum of 212 lb of active ingredient (in a maximum volume of 2,000 gal of spray mix) per acre when treating citrus in California (based on thor temperature at the time of application). Using ground equipment, spray for optimum coverage of leaf surfaces. Repeat spraying 10 – 14 days. For powdery mildew: Make first application immediately before bloom and continue every 10 – 14 days. Do not apply over 300 gal of oil per acre.

**COMMENTS:**
- Do not apply over 300 gal of oil per acre.
- Do not apply to Navel oranges.
- Use only on trees that have not suffered from lack of moisture at anytime during the growing season.
- Do not apply to Navel oranges.
- Do not apply as soon as trees are wilting. Do not apply oil and sulfur within 3 weeks of each other.

**COMMENTS:**
- Use high pressure sprayer.
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Ultra-Pure™ Oil Horticultural Insecticide, Miticide and Fungicide

SHADE TREES** AND SHRUBS INCLUDING CONFERS, DECIDUOUS BROADLEAF EVERGREENS & WOODY ORNAMENTALS, ORNAMENTAL TREES**, SHRUBS ALONG CITY STREETS, OTHER RIGHTS-OF-WAY INCLUDING CONFERS, DECIDUOUS AND BROADLEAF EVERGREENS:

PESTS APPLICATION RATE & TIMING (ounces of oil per gallon of water)

Aphids, Adelgids, Eriophyid Mites, Gaf Mites, Honey Locust Plant Bug, Lace Bug, Leaf Beetle Larvae, Leathmin, Leathifers, Mealybugs, Psylids (immature), Red Mites, Saafly (larvae), Scales (immature), Spider Mites, Webworms, Whiteflies

Winter Dormant Period: 2.5 – 4 oz/gal Summer (Foliar or Cover): 1 – 2.5 oz/gal

COMMENTS: Do not spray more than 1 time per week. Do not apply when there is obvious moisture deficit in leaves or the plant is under stress. For fall dormant applications, reduce rate to 2 gal oil per 100 gal water and limit use only to: American Red Oak, Japanese Black Pine, Dogwood, Weeping Cherry, Camellia Cherry, Crabapple, Norway Maple, Purple Plum.

NOTE: May cause discoloration of Blue Spruce. Do not use on conifers or ferns not tolerant to oil sprays. Use enough spray solution to completely penetrate the leaf canopy and cover both top and bottom of all the leaves and stems until wet but without significant runoff.

FLOWERING AND FOLIAGE PLANTS INCLUDING ROSES AND OTHER FLOWERING SHRUBS DURING WINTER AND DORMANT PERIODS:

PESTS APPLICATION RATE & TIMING (ounces of oil per gallon of water)

Same as above Winter Dormant Period: 2.5 – 4 oz/gal

CHRISTMAS TREES**: APPLICATION RATE & TIMING (ounces of oil per gallon of water)

Scale (soft & hard) (immature), Spider Mites, Adelgids, Aphids

Winter: 0.75 – 2 Summer: 1 – 2

COMMENTS:Winter

NOTE: Use a lower concentration for more sensitive plants.

** This product removes the glaucous (blue) bloom from such evergreens as Colorado Blue Spruce and Koster Spruce. Always use lower dosage as indicated on this label. 

AGRATN, CROWN OF THORNS, DIEFENBACHIA, FERN, FICUS, LISANTHUS, ORCHID, PALMS, PETUNIA, PONSETTIA, SCHEFFLERA, SUNFLOWER:

PESTS APPLICATION RATE & TIMING (gallons of oil per 100 gal of water)

Aphids, Fungus Gnats, Leathminers, Mealybugs, Scales (soft & hard), Spider Mites, Thrips, Whitefly, Powdery Mildew

0.5 – 1

COMMENTS: Due to varietal differences in response to a treatment of this product at the specified rate, we recommend conducting a small test on 1 or 2 plants of the specific variety to be treated.

LEAF POLISH FOR HARDY PLANTS:

PESTS APPLICATION RATE & TIMING (ounces of oil per gallon of water)

Aphids, Fungus Gnats, Leathminers, Mealybugs, Scales (soft & hard), Spider Mites, Thrips, Whitefly, Powdery Mildew

1 – 2

COMMENTS: Due to varietal differences in response to a treatment of this product at the specified rate, we recommend conducting a small test on 1 or 2 plants of the specific variety to be treated.

AGLONEME, ASTER, AZALÉE, BEGONIAS, BROWALLIA, CAMELLIAS, CARNATION, CELOSIA, CHRYSANTHEMUM, COLEUS, COSMOS, DUSTY MILLER, EASTER LILIES, GERBERA, HELLICHRYSUM, HIBISCUS FOLIAGE, HYDRANGEA, JADE PLANT, MARIGOLD, NEW GUINEA IMPATIENS, NICOTIA, PHILEDELOPHON, PORTULACA, REIGE BEGONIAS, SNAPDRAGON, ZINNIA:

PESTS APPLICATION RATE & TIMING (gallons of oil per 100 gal of water)

0.5 – 1

LEAF POLISH FOR Hardy Plants:

PESTS APPLICATION RATE & TIMING (ounces of oil per gallon of water)

Aphids, Fungus Gnats, Leathminers, Mealybugs, Scales (soft & hard), Spider Mites, Thrips, Whitefly

1 – 2

COMMENTS: Due to varietal differences in response to a treatment of this product at the specified rate, we recommend conducting a small test on 1 or 2 plants of the specific variety to be treated.

SOME PLANTS ARE MORE SENSITIVE TO OIL TREATMENTS IF ANY OF THE FOLLOWING CONDITIONS ARE PRESENT WHEN APPLICATION IS MADE:

- High humidity (74%), an overcast or cloudy day, inadequate air flow, a small greenhouse where the sunlight is magnified causing a fast build-up of temperature and light intensity.

- Due to varietal differences, other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Whitmire, the Manufacturer or Seller. To the extent consistent with applicable law, all such risks shall be assumed by the Buyer. To the extent consistent with applicable law neither Whitmire, the Manufacturer or Seller shall be liable for consequential, special or indirect damages resulting from the use or handling of this product. Except as warranted by this label, Whitmire, the Manufacturer or Seller makes no warranties, guarantees, or representations of any kind, either express or implied, or by usage of trade, statutory or otherwise, with regard to the product sold, including, but not limited to, merchantability, fitness for a particular purpose, use or eligibility of the product for any particular trade usage. Except as provided by applicable law, buyer’s or user’s exclusive remedy and Whitmire’s, the Manufacturer’s or Seller’s total liability, shall be for damages not exceeding the cost of the product.

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St. Louis, MO  63122-6682
Questions? Call 1-800-777-8570
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