IAP 440 SPRAY OIL

FOR ORGANIC PRODUCTION

Active Ingredient:
Mineral Oil* .............................................................. 98.0 %
Other Ingredients: ...................................................... 2.0 %
TOTAL ..................................................................... 100.0 %
*Contains petroleum distillates
Minimum Unsulfonated Residue ....................... 98.0 %

EPA Reg. No. 71058-6
EPA Est. No. 534080-CR-001
EPA Est. No. 501609-CR-004
EPA Est. No. 064083-CR-001
EPA Est. No. 51886-CR-030
EPA Est. No. 51886-CR-050

KEEP OUT OF REACH OF CHILDREN
CAUTION
See Inside Booklet for First Aid, Precautionary Statements and Directions for Use, and Conditions of Sale and Warranty.

Formulated for:
Independent Agribusiness Professionals
7108 N Fresno St., Suite 150
Fresno, CA 93730

☐ Net 2.5 gal (9.5 L)
☐ Net 5.0 gal (18.9 L)
☐ Net 30 gal (114 L)
☐ Net 275 gal (1041 L)
☐ Bulk
**FIRST AID**

Have product container or label with you when calling a poison control center or doctor or going for treatment. In case of poisoning, contact your Poison Control Center at 1-800-222-1222.

| IF SWALLOWED | Call poison control center or doctor immediately for treatment advice.  
|             | - Do not induce vomiting unless told to by poison control center or doctor.  
|             | - Do not give any liquid to a person.  
|             | - Do not give anything to an unconscious person.  
| IF IN EYES   | - Hold eye open and rinse slowly and gently with plenty of water for 15-30 minutes.  
|             | - Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.  
|             | - Call poison control center or doctor for treatment advice.  
| IF ON SKIN   | - Take off contaminated clothing.  
|             | - Rinse skin with plenty of water for 15–20 minutes.  
|             | - Call poison control center or doctor for treatment advice.  
| IF INHALED  | - Move person to fresh air.  
|             | - If person is not breathing, call 911 or an ambulance, then give artificial respiration by mouth to mouth if possible.  
|             | - Call poison control center or doctor for treatment advice.  

**NOTE TO PHYSICIAN**

This product contains petroleum distillates and may pose an aspiration pneumonia hazard.

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

CAUTION: Harmful if absorbed through skin. Avoid contact with eyes, skin, or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

Do not store, use or spill near heat or open flame. Do not weld, heat or drill container. Residue may ignite with explosive violence if heated sufficiently.

**PHYSICAL OR CHEMICAL HAZARDS**

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category E on an EPA chemical-resistance category selection chart.

Mixers, loaders, applicators, flaggers, and other handlers must wear:
1. Long-sleeved shirt and long pants.
2. Chemical-resistant gloves made of barrier laminate or nitrile rubber or neoprene rubber or viton.
3. Shoes plus socks.

Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables exist, 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 concentrates. Do not reuse them.
SPRAY DRIFT MANAGEMENT

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

Wind Speed: Do not apply at wind speeds greater than 15 mph at the application site.

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.

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

Ground Application: Apply using a nozzle height of no more than 4 feet above the ground cover or crop canopy. Applications must be consistent with the limitations for wind speed, temperature inversions, and droplet size indicated above.

Airblast Application: For airblast application, turn off outward-pointing nozzles at row ends and when spraying outer rows. To minimize spray loss over the top in orchard applications, spray must be directed into the canopy. Applications must be consistent with the limitations for wind speed, temperature inversions, and droplet size indicated above.

Aerial Application: Applications must be consistent with the limitations for wind speed, temperature inversions, and droplet size indicated above.

Release Height: For aerial application of agricultural products, do not release spray at a height more than 10 feet above the ground, the tops 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 cross-wind, 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.

IAP 440 Spray Oil is narrow range petroleum spray oil designed for use on stone fruits, nuts, citrus, vines, and tomatoes as a tassel or dormant/delayed dormant application. Total coverage of all parts of plant is required for optimum results. Application rates for dilute sprays (greater than 150 gallons spray solution per acre) are based on gallons of spray oil per 100 gallons of water per acre. Concentrate applications (usually from 20 to 150 gallons per acre) are based on dilute spray conversion of rate per acre x highest volume applied per acre. Aerial applications are used only when weather conditions do not allow ground application. Aplly directed dose by air in a minimum of 20 gallons per acre. Optimum spray patternage per acre is based upon tree or plant size, planting density, and stage of growth.

Mixing Instructions
Fill spray tank with 1/3 the required amount of water. Add micronutrients and other compatible pesticides. If dry products are used, start agitation and mix thoroughly with water before adding oil to the spray tank. Add spray oil and continue with vigorous agitation. IAP 440 Spray Oil is formulated as a "fast break" spray oil, and will not stay in solution unless agitated constantly. Maintain agitation of the spray mixture until it has been applied. DO NOT USE THIS MATERIAL IF IT DOES NOT EMULSIFY.
<table>
<thead>
<tr>
<th>CROPS</th>
<th>PESTS</th>
<th>FOLIAR APPLICATION</th>
<th>DORMANT OR DELAYED DORMANT APPLICATION</th>
<th>FURTHER USE INSTRUCTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>APPLES, ALMONDS, APRICOTS,</td>
<td>San Jose Scale, Brown</td>
<td>Dilute: Apply 200 – 800 gallons of spray solution</td>
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<td>Do not apply to oil sensitive varieties due to fruit russetting or phytotoxic to plant</td>
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<td>CHERRIES, NECTARINES,</td>
<td>Apricot Scale, Italian Peel</td>
<td>per acre using 0.5 – 1.5 gallons of oil per 100 gallons</td>
<td>gallons of oil per 100 gallons of</td>
<td>foliage or wood. For use on pistachios, apply as a dormant and/or post harvest treatment.</td>
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<td>OLIVES, PEACHES, PEAR,</td>
<td>Scale, Leptraria Scale,</td>
<td>of water. Concentrate: 6 – 8 gallons per acre in</td>
<td>water. For apples and pears, apply</td>
<td>Apply at the rate of 100 to 400 gallons of finished spray mix per acre.</td>
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<td>PISTACHIOS, PLUMS, PRUNES,</td>
<td>Pear Psylla, Aphis, Miles</td>
<td>minimum 50 gallons of water per acre</td>
<td>from 2-4 gallons of oil per 100</td>
<td>For pistachios in AZ, apply 4 gallons of oil per acre. In CA, apply up to 6 gallons of</td>
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<td>WALNUTS</td>
<td>Panthenofacaneous</td>
<td></td>
<td>gallons of water. Concentrate: 6 – 8</td>
<td>oil per acre. Walnuts – check with local farm advisor regarding all applications to</td>
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<td></td>
<td>Soft Scale on platechloes</td>
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<td>gallons per acre in</td>
<td>walnuts.</td>
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<td>minimum 50 gallons per acre</td>
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<td>YOUNG NON-BEARING CITRUS</td>
<td>Mites</td>
<td>Dilute: Apply 100 – 400 gallons of spray solution per acre using 1.2 gallons of oil per 100 gallons of water.</td>
<td>Apply during spring, late summer, and fall months.</td>
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<td>GRAPESS (except in CA)</td>
<td>Mealybug</td>
<td>Apply using 100 – 200 gallons of spray solution per acre using 1 – 1.5 gallons per 100 gallons of water. Concentrate: 1 gallon to a maximum of 3 gallons oil per acre in a minimum of 50 gallons of water per acre.</td>
<td>Apply with ground equipment only. Oil can temporarily affect surface bloom appearance but will not cause subsurface injury. Oil should not be applied within two days of harvest grape grown for fresh market. DO NOT use Propargite (Omite) within 40 days following oil application. DO NOT apply oil within 30 days of a Propargite (Omite) application. DO NOT combine with sulfur sprays past dormant stage. Applications made within 30 days before or after sulfur application will result in phytotoxicity.</td>
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<td>ORNAMENTALS &amp; SHADE TREES</td>
<td>Black Scale, Brown Apricot Scale, Cyster Shell Scale, San Jose Scale, Soft Brown Scale, Red Spider Mites and Eggs, Aphids, Aedegds, Eriophyid Mites, Gall Mites, Lace Bug, Leaf Beetle larvae, Leafminers, Mealybug, Paylids (immature), Sawfly, Whites (immature)</td>
<td>Apply 100 – 250 gallons of spray solution per acre using 0.5 – 1.0 gallons of oil per 100 gallons of water.</td>
<td>2 – 3 gallons</td>
<td>Conifer applications to Blue Spruce and Blue Juniper varieties may cause discoloration. May cause injury to Arctostaphylos and other cedars. Do not use on conifers or other ornamental plants not tolerant to oil sprays. Do not use dormant sprays on broadleaf evergreens such as Rhododendron, Mixy Laurel, Holly, Ivy, Azaleas or Oregon Grape. In colder climates Cololease, Barberry and Yews may be sensitive. Do not spray dormant sprays below 35°F. If tankgun has not been used for twenty minutes or longer, recirculate back into tank until hose is flushed. Dormant Spray: Allow at least a 2-week interval between applications of dormant sprays. Do not spray dormant sprays when buds have fully formed, and shoot elongation is occurring. Do not spray dormant sprays when leaves are in oxidative moisture deficit or plants are under stress. Reduce rate to 2 gallons/100 gallons of water for Fall dormant applications to only: American Red Oak, Japanese Black Pine, Dogwood, Weeping Cherry, Cornelia Cherry, Crab Apple, Norway Maple, Pve-Leaf Plum. Keep away from open blooms – spotting has been observed with oil use on open blooms of certain varieties.</td>
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STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

PESTICIDE STORAGE: Keep container closed when not in use. Protect from freezing. Keep in shade. In case of spill or leak on floor or paved surfaces, soak up with sand, earth, or synthetic absorbent.

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

CONTAINER HANDLING:
Nonrefillable Container (five gallons or less): Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinseate into application equipment or a mix tank or store rinseate 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 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.

Nonrefillable Container (greater than five gallons): Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container 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 rinseate into application equipment or a mix tank or store rinseate for later use or disposal. Repeat this procedure two more times. 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.

Refillable Container: Refillable container. 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 5 minutes. Pour rinseate into application equipment or rinseate collection system. Repeat this rinsing procedure two more times. 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.

FOR 24-HOUR EMERGENCY ASSISTANCE (SPILL, LEAK, OR FIRE), CALL INFOTRAC AT 1-800-535-5053.