**VISTASPRAY™ 440 SPRAY OIL**
For Organic Production

<table>
<thead>
<tr>
<th>Active Ingredient:</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Mineral Oil*</td>
<td>98.5%</td>
</tr>
<tr>
<td>Other Ingredients</td>
<td>1.5%</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td>100.0%</td>
</tr>
</tbody>
</table>

*Contains petroleum distillates.
Minimum Unsulfonated Residue .......... 92%

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION/PRECAUCIÓN**
Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalles.
(If you do not understand the label, find someone to explain it to you in detail.)
See inside booklet for additional Precautionary Statements and Directions for Use

See inside booklet for First Aid, additional Precautionary Statements and Directions for Use

Manufactured By                     Net Contents:
MarVista Resources®                 
745 North Avenue • Corcoran, CA 93212
## FIRST AID

<table>
<thead>
<tr>
<th>Condition</th>
<th>Instructions</th>
</tr>
</thead>
<tbody>
<tr>
<td>If Swallowed</td>
<td>* Call poison control center or doctor immediately for treatment advice.</td>
</tr>
<tr>
<td></td>
<td>* Do not induce vomiting unless told to by poison control center or doctor.</td>
</tr>
<tr>
<td></td>
<td>* Do not give any liquid to a person.</td>
</tr>
<tr>
<td></td>
<td>* Do not give anything to an unconscious person.</td>
</tr>
<tr>
<td>If in Eyes</td>
<td>* Hold eye open and rinse slowly and gently with plenty of water for 15-20 minutes.</td>
</tr>
<tr>
<td></td>
<td>* Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</td>
</tr>
<tr>
<td></td>
<td>* Call poison control center or doctor for treatment advice.</td>
</tr>
<tr>
<td>If on Skin</td>
<td>* Take off contaminated clothing.</td>
</tr>
<tr>
<td></td>
<td>* Rinse skin with plenty of water for 15-20 minutes.</td>
</tr>
<tr>
<td></td>
<td>* Call poison control center or doctor for treatment advice.</td>
</tr>
<tr>
<td>If Inhaled</td>
<td>* Move person to fresh air.</td>
</tr>
<tr>
<td></td>
<td>* If person is not breathing call 911 or an ambulance, then give artificial respiration by mouth to mouth if possible.</td>
</tr>
<tr>
<td></td>
<td>* Call poison control center or doctor for treatment advice.</td>
</tr>
</tbody>
</table>

*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.*

## 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.

### Physical or Chemical Hazards

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.

### Personal Protective Equipment (PPE)

- **Masks, hoods, eye wear, and respirators** are not compatible with this product. 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. Detergent clothing and other absorbent materials that have been drenched or heavily contaminated with the product’s concentrate. Do not reuse them.
Engineering Controls
Pilots must use an enclosed cockpit that meets the requirements listed in the WPS for agricultural pesticides (40 CFR 170.240(d)(4)).

User Safety Recommendations

**Users should:**

1. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.
2. Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
3. 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

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 washwater or runoff.

Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas.

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 State/tribal 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 intervals. 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 9 hours.

PPE required for 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:

1. Coveralls,
2. Chemical-resistant gloves made of barrier laminate, nitrile rubber = 14mil, neoprene rubber = 14mil, or Viton = 14mil,
3. Shoes plus socks.
Non-agricultural Use Requirements
The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard (WPS) for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Do not enter or allow others to enter until sprays have dried.

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, airborne) 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 Inversion: 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.

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

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

Aerial Applications: For aircraft application, use no outward pointing nozzles at rear 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 Applications: 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 wing span or 90% of the rotor blade diameter.

Swath Adjustment: When applications are made with a cross-wind, the swath will be displaced downward. The applicator must compensate for this displacement or the downwind edge of the application area by adjusting the path of the aircraft upward. Leave at least one swath unpatched at the downwind edge of the treated field.

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 wing span or 90% of the rotor blade diameter.
Swath Adjustments: 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 unapplied at the downwind edge of the treated field.

VistaSpray™ 440 Spray Oil is a non-miscible petroleum spray oil designed for use on stone fruits, nuts, crops, some fruits, citrus, tree crops, tropical fruits and ornamentals as listed on this label as a foliar or dormant/delayed dormant application. Total coverage of all parts of plants is required for optimum results. Application rates for dormant sprays (greater than 150 gallons spray solution per acre) are listed as gallons of spray oil per 100 gallons of water per acre. Concentrate applications (usually from 20 to 150 gallons per acre) are based upon dilute spray conversion of rate per acre to a highest volume applied per acre. Aerial applications are only when weather conditions do not allow ground application. Apply directly to application system in a minimum of 20 gallons per acre. Optimum spray oil change per acre is based upon tree or plant size, planting density, and stage of growth.

Mixing Instructions
Fill spray tank with 1/4 the required amount of water. Add surfactants 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. VistaSpray™ 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.

Use Restrictions
• Do not apply this product through any type of irrigation system.

Summer Sprays
• Do not apply before 6000 plant injury or delayed bud development. Do not make double applications on the ends of crop rows where tanking application equipment.
• Applications made in Texas and Florida must not exceed 1500 gallons of spray mix (based on Through Coverage Spray, with 1.5 gallons of product mixed in 100 gallons of water).
• Applications made in California must not exceed 2000 gallons of spray mix (based on Through Coverage Spray, with 1.5 gallons of product mixed in 100 gallons of water).
• For applications made by air, do not release spray at a height greater than 10 feet above the ground, top of crops, or above the orchard canopy.
Dormant Sprays
- **DO NOT** combine dormant spray oil with SULFUR or LIME SULFUR unless the mixture has been tested on the crop and the mixture has been shown to be safe. Oil and Sulfur or lime sulfur combinations SHOULDN'T be used on DORMANT CROPS.
- **DO NOT** use Vinclozolin 440 Spray Oil when temperatures are below 32°F (usually nighttime lows). Apply to crops when temperatures have warmed above 35°F and crop is free of moisture of melting frost or heavy dew.
- **DO NOT** mix with insecticides or fungicides incompatible with oil. Consult your State Agricultural Extension Service for specific compatibilities.
- **DO NOT** apply to young weakened by disease, drought, drying winds, or high nitrogen applications.
- **AVOID** constant vigorous agitation during mixing and application to keep spray oil and water in solution.
- **CONCENTRATE APPLICATIONS** can delay bud development.

**Sprayer — Sticker on all Citrus Varieties**
This product may be used as a sprayer — sticker with a suitable insecticide or miticide at a rate not to exceed 1.0%. Do not use when freezing temperatures are expected. Care should be taken in combining oil sprays with certain miticides and insecticides due to possible increased phytotoxicity when applied on foliage. See Agricultural Extension Service for recommendations on special combinations.

**FRUIT, VINE AND NUT CROPS**

<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, Cherries, Nectarines, Grapes, Peaches, Pears, Pistachios, Pecans, Plums</td>
<td>Citrus, Walnuts</td>
<td>Zulene: Apply 100 - 200 gallons of spray solution per acre using 0.5 - 1.5 gallons of oil per 100 gallons of water. Concentrate: 5 - 6 gallons per acre in minimum 50 gallons of water per case.</td>
<td>Zulene: Apply 100 - 200 gallons of spray solution per acre using 1 - 1.5 gallons of oil per 100 gallons of water. For apples and pears, apply from 2 - 4 gallons of oil per 100 gallons of water. Concentrate: 5 - 6 gallons per acre in minimum 50 gallons of water per case.</td>
<td>Do not apply to all sensitive crops due to leaf vacuolization or phytotoxicity to plant foliage or wood. For use on plaches, apply as a dormant and/or post harvest treatment. Apply at the rate of 100 to 400 gallons of leaf blast spray mix per acre. For pacholas in A, apply 4 gallons of all per case. For A, apply up to 6 gallons of all per case. Work on — check with local State advisors operating all applications to market.</td>
</tr>
</tbody>
</table>

<p>| Citrus, Grapes, Almonds, Lemons, Limes, and Other Citrus Varieties |                                        | Zulene: Apply 500 - 2000 gallons of spray solution per acre using 1.2 - 1.4 gallons of oil per 100 gallons of water (in TX and FL maximum 1500 gallons of spray mix per acre). |                                        | For Citrus, Grapes, Almonds, and other citrus in Central California and in Southern California and Orchard Plains — Apply May through September. Do not use on larvae emerging after September 1. For Lemons in Southern California — apply in April and May and/or September through December. In Central counties apply March through early November. |</p>
<table>
<thead>
<tr>
<th>Fruits</th>
<th>Application Details</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Young Non-Bearing Citrus</td>
<td>Concentrate: Apply 10 - 20 gallons per acre at a minimum of 50 gallons of water per acre. Spray drift should be discharged into an on-stream pattern of high velocity (70 mph) with sufficient volume to carry spray through the tree canopy. Ground speed should not exceed 3 mph.</td>
<td>The higher spreader-drifters should be used for heavier infestations in early fall. To aid in control of Red, Black, White, or Purple Scale and several leaffooted insect species. Care should be taken in combining all sprays with certain medicines and insecticides due to possible increased phytotoxicity when applied over foliage. Do not exceed 1.5% pounds of active ingredient per acre (in a maximum of 1500 gallons of spray mix per acre) in applications to citrus in Florida or Texas. Do not exceed 212 pounds of active ingredient per acre (in a maximum of 2000 gallons of spray mix per acre) in applications to citrus in California.</td>
</tr>
<tr>
<td>Grapes (except in CA)</td>
<td>Methyl: Apply 100 - 400 gallons of spray solution per acre using 1.5 gallons of oil per 100 gallons of water.</td>
<td>Apply during spring, late summer, and fall months.</td>
</tr>
<tr>
<td>Grapes (CA)</td>
<td>Methyl: Apply using 100 - 200 gallons of spray solution per acre using 1.5 - 1.5 gallons per 100 gallons of water. Concentrate: 1 gallon to a maximum of 3 gallons per acre to a maximum of 50 gallons of water per acre.</td>
<td>Apply with ground equipment only. Oil can temporarily affect fruit color appearance but will not cause surface injury. Oil should not be applied within two days of harvesting grapes for fresh market. Do not apply Propargite (Gemtis) within 40 days following any application. Do not apply oil within 30 days of a Propargite (Gemtis) application. Do not combine with sulfur spray applied after dormant stage. Applications made within 30 days before or after sulfur application will result in phytotoxicity.</td>
</tr>
<tr>
<td>CROPS</td>
<td>PESTS</td>
<td>FOLIAR APPLICATION</td>
</tr>
<tr>
<td>-------</td>
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</tr>
<tr>
<td>CARNABIES &amp; SMOKE VIBES: Coffee, Holly, Poinsettia, Snowflakes, Hawthorn, Flowering Peach, Flowering Cherry, Apple, Rosaceae, Magnolia, Dogwood, Oak, Poplar, Birch</td>
<td>Black Scale, Brown Armored Scale, Dusty Shell Scale, San Jose Scale, Soft Scale, Red Spider Mites and Eggs, Japanese Beetle, Longhorn Beetle, Spider Mites, Mealybugs, Pygmys, Thrips, Whiteflies (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>
</tr>
</tbody>
</table>

<p>| Chestnut Trees | Aphids, adelgids, Scale (soft and hard invasive), Spider Mites | Apply using 50 - 150 gallons of spray solution per acre using 1 - 3 gallons per 100 gallons of water. | Apply using 50 - 150 gallons of spray solution per acre using 2 - 4 gallons per 100 gallons of water. |</p>
<table>
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<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>HOPS (except in CA)</td>
<td>Hay Borer, Mildew</td>
<td>Apply using 50 - 150 gallons of spray solution per acre using 1 - 2 gallons per 100 gallons of water.</td>
<td>Use 50 - 150 gallons of spray per acre dispersed by an insecticide in a volume through coverage. Apply with ground equipment only. Note: DO NOT use a propylene (oxirane) binder within 40 days of an oil application. DO NOT apply oil within 30 days of a propylene (oxirane) application. DO NOT combine with sulfur sprays. Applications made within 30 days later or earlier than the application will result in phytotoxicity.</td>
<td></td>
</tr>
<tr>
<td>Figs</td>
<td>Fig Scale</td>
<td>Dilute: apply using 100 - 300 gallons of spray solution per acre using 0.5 gallons per 100 gallons of water. Concentrate: Apply 3 gallons per acre.</td>
<td>For dormant or delayed dormant only.</td>
<td></td>
</tr>
<tr>
<td>Ripefruit (California only)</td>
<td>Tanneria Scale, Creasy Scale, Alligator Scale, San Jose Scale</td>
<td>Concentrate: Apply 4 - 6 gallons per acre in a minimum of 100 gallons of water per acre.</td>
<td>Use the 4-gallon rate where scale populations are high. Do not apply after fruitbreak. Do not use on weak or stressed trees, or where soil moisture is inadequate.</td>
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</tbody>
</table>

**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 rinse into application equipment or a mix tank or store rinse 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.

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. Repeat 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. Empty the rinse into application equipment or a mix tank or store rinse 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.

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 2 minutes. Pour or pump rinse into application equipment or rinse 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.

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

NOTICE

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