VISTASPRAY™ 470 SPRAY OIL

Active Ingredients:
Mineral Oil* ................................................................. 98.5%
Other Ingredients ......................................................... 1.5%
TOTAL ................................................................. 100.0%
*Contains petroleum distillates.
Minimum Unsulfonated Residue ..................................... 98%

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 detalle.
(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

EPA Reg. No. 90784-3
EPA Est. No. 041696-Ca-004

Net Contents:

Manufactured By
MarVista Resources
P.O. Box 218 • Corcoran, CA 93212
**FIRST AID**

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

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**NOTE TO PHYSICIAN**

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

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**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)**

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

1. Long-sleeved shirt and long pants.
2. Chemical-resistant gloves made of butyl laminate, nitri rubber > 14mil, neoprene rubber > 14mil, or Viton > 14mil.
3. Shoes plus socks.

Follow manufacturer’s instructions for cleaning and maintaining PPE. If no such instructions exist, use detergent and hot water. Keep and wash PPE separate 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
Plots must use an enclosed cockpit that meets the requirements listed in the WPS for agricultural pesticides [40 CFR 170.440(d)(6)].

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 intermittent areas below the mean high water mark. Do not contaminate water when disseminating 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 handles 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 in uniform, 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 4 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 ≥ 14 mils, neoprene rubber ≥ 14 mils, or Viton ≥ 14 mils.
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, blower) 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 application site.

Temperature Inversions: If applying at wind speeds less than 5 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 (MMD) 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.

Airblast Applications: For airblast application, turn off central 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 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 wingspan or 90% of the rotor diameter.

Swath Adjustment: When applications are made with a crosswind, the swath will be displaced downward. The applicator must compensate for this displacement at the downwind edge of the application area by adjusting the path of the aircraft upward. Leave at least one swath unplied at the downwind edge of the treated field.
**VistoSpray™ 470 Spray Oil** is narrow range petroleum spray oil designed for use on stone fruits, nut crops, pome fruits, citrus, vine crops, tropical fruits and ornamentals as listed on the label as a foliar or dormant/early dormant application. Total coverage of all parts of plants is required for optimum results. Application rates for dilute 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 highest volume applied per acre. Aerial applications are used only when weather conditions do not allow ground application. Apply diluted solutions by air in a minimum of 20 gallons per acre. Optimum spray gallonage 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, stir agitation and mix thoroughly with water before adding oil to the spray tank. Add spray oil and continue with vigorous agitation. VistoSpray™ 470 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 COMBINE WITH SULFUR SPREDS and DO NOT APPLY spray oil within 30 days before or after an application of sulfur. Application during foliation stage within 30 days of a sulfur application will result in phytotoxicity.
  - **DO NOT** use on foliage closer than 60 days after or 90 days before using captan products.
  - **DO NOT** mix with insecticides or fungicides incompatible with oil. Consult your State Agricultural Extension Service for specific compatibilities.
  - **DO NOT** apply to trees weakened by disease, drought, drying winds, or high nitrogen applications.
  - **DO NOT** apply VistoSpray™ 470 Spray Oil prior to or during a period of excessively hot temperatures (> 90°F).
  - **MAINTAIN VIGOROUS AGITATION** during application to keep spray oil and water in solution.
- **MULTIPLE CONCENTRATE APPLICATIONS** may cause plant injury or delayed bud development. Do not make double applications on the same or on adjacent rows when turning application equipment.
- **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 SHOULD ONLY be used on EGGNUT CRSPS.**
  - **DO NOT USE VistoSpray™ 470 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 trees weakened by disease, drought, drying winds, or high nitrogen applications.
  - **MAINTAIN VIGOROUS AGITATION** during mixing and application to keep spray oil and water in solution.
  - **CONCENTRATE APPLICATIONS** can delay bud development.
**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>
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<tbody>
<tr>
<td><strong>APRICOTS</strong></td>
<td><strong>SCALE</strong></td>
<td><strong>Spray: Apply 700 - 800 gallons of spray solution per acre using</strong></td>
<td><strong>Spray: Apply 700 - 800 gallons of spray solution per acre using</strong></td>
<td>Do not apply to all sensitive varieties due to herbicidal or phytotoxicity to plant foliage or wood.</td>
</tr>
<tr>
<td><strong>PEACHES, PEARS, ORANGES, GRAPEFRUITS, POMEGRANATES, PLUMS, PRUNES, MANDARINS</strong></td>
<td><strong>Scale</strong></td>
<td>0.5 - 1.5 gallons of oil per 100 gallons of water. Concentrate: 5 - 8 gallons per row in minimum 50 gallons of water per acre</td>
<td>1 - 1.5 gallons of oil per 100 gallons of water. For aphids and mites, apply from 2 - 4 gallons of oil per 100 gallons of water. Concentrate: 5 - 9 gallons per row in minimum 50 gallons per acre</td>
<td>For use on peaches, apply as a dormant or dormant treatment. Apply at the rate of 100 to 400 gallons of refined spray mix per acre. For peaches in CA, apply 4 gallons of oil per acre. In CA, apply up to 6 gallons of oil per acre. In late August - check with local farm advisor regarding all applications to various.</td>
</tr>
<tr>
<td><strong>CITRUS</strong></td>
<td><strong>SCALE</strong></td>
<td><strong>Dilute: Apply 200 - 2000 gallons of spray solution per acre using 1 - 1.5 gallons of oil per 100 gallons of water (in 2% and 4% maximum 1500 gallons of spray mix per acre)</strong></td>
<td><strong>Dilute: Apply 200 - 2000 gallons of spray solution per acre using 1 - 1.5 gallons of oil per 100 gallons of water (in 2% and 4% maximum 1500 gallons of spray mix per acre)</strong></td>
<td>For peaches, apply as a dormant or dormant treatment. Apply at the rate of 100 to 400 gallons of refined spray mix per acre. For peaches in CA, apply 4 gallons of oil per acre. In CA, apply up to 6 gallons of oil per acre. In late August - check with local farm advisor regarding all applications to various.</td>
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**Spreaders — Sticker on all Citrus Varieties**

This product may be used as a spreader — sticker with a suitable insecticide or miticide at a rate not to exceed 1% TBP. Do not use when freezing temperatures are expected. Care should be taken in combining oils with certain miticides and insecticides due to possible increased phytotoxicity when applied on foliage. See Agricultural Extension Service for recommendations on special combinations.
<p>| Concentrator: Apply 10 - 20 gallons per acre as a minimum of 50 gallons of water per acre. Sprays should be directed into an air stream pattern of high velocity (above 100 mph) with sufficient volume to wet spray through the tree canopy. Ground speed should not exceed 3.5 mph. |
|---|---|
| | The higher applied dosage should be used for heavier infestations or early fall. To aid in control of Red, Black, Yellow, and Purple Scale and other labeled species. Care should be taken in combining or spraying with certain miticides and insecticides due to possible increased phytotoxicity when applied over foliage. Do not exceed 150 gallons of spray mix per acre in applications to citrus in Florida or Texas. Do not exceed 215 gallons of active ingredient per acre (in a maximum of 2500 gallons of spray mix per acre) in applications to citrus in California. |
| Young Non-Bearing Citrus | Citrus: Apply 100 - 400 gallons of spray solution per acre using 1.2 gallons of oil per 100 gallons of water. |
| | Apply during flowering, early summer, and fall months. |
| Grapes (except in CA) | Harvest: Apply using 100 - 300 gallons of spray solution per acre using 1 - 3.5 gallons per 100 gallons of water. Concentrate: 1 gallon to a maximum of 2 gallons oil per acre is a minimum of 50 gallons of water per acre. |
| | Apply with ground equipment only. Do not temporarily affect surface appearance but will not cause surface injury. Do not be applied within two days of harvest to grapes grown for fresh market. DO NOT use Pyrinate (Methyl) within 40 days following oil application. DO NOT apply oil within 20 days of a fungicide or insecticide application. DO NOT combine with other sprays past dormant stage. Applications made within 35 days before or after a sulfur application will result in phytotoxicity. |
| Grapes (CA) | Harvest: Apply using 100 - 300 gallons of spray solution per acre using 1 - 6 gallons of oil per 100 gallons of water. (For post harvest fall spray use only) |
| | Apply using 100 - 200 gallons of spray solution per acre using 1 - 6 gallons of oil per 100 gallons of water plus the appropriate label rates of miticide registered for use on grapes. |</p>
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<tr>
<td>Ornamental &amp; Shade Trees&lt;br&gt;Conifer, Holly, Pyracantha, Symcraea, Forsythia, Hawthorn, Peach, Flowering Cherry, Apple, Roses, Magnolia, Baywood, Oak, Potato, Birch</td>
<td>Black Scales, Brown Aphid Scales, Cider Scale Scales, Sap, Slug Scales, Soft Brown Scale, Red Spider Mites and Eggs, Aphids, Arachnids, Encephalitozoon, Oak Aphis, Curr Ants, Fruit Borer, Hawthorn, Psyllids (Brevicoryne), Spotted, Yellowlines (Honshi)</td>
<td>Apply 100 - 250 gallons of spray solution per acre using 0.5 - 1.0 gallons of oil per 100 gallons of water. 2 - 3 gallons</td>
<td>Center applications to Blue Space and Blue Jovian werepas may cause discoloration. They cause injury to leaves and other crops. Do not use on currants or other ornamental plants not tolerant to oil sprays. Do not use dormant sprays or liquid fat sprays. Avoid excessive concentrations such as Hydrodolone, Cherry Laurel, Bald, Hyla, Azalea or Oregon Grape. In colder climates Ceratocystis, Botrytis and mildew may be controlled. Do not spray dormant sprays below 35° F.</td>
<td>It has been used for twenty minutes or longer, calculate back to tank with hose in turbine. Dormant Sprays: Allow at least a 2-week interval between applications of dormant sprays. Do not spray dormant sprays when the air is cool, and direct water or spray droplets are excessive; reduce to 2 gallons/100 gallons of water for Full dormant applications to only: American Red Oak, Japanese Black Pine, Dogwood, Willow, Cherry, Camellia, Cherry, Cistus, Apple, Quercus Illoca, Pur Leaf Plum. Keep away from open doors - spotting has been observed with cistus on open doors of certain varieties.</td>
</tr>
<tr>
<td>Christmas Trees&lt;br&gt;Aphids, adelgids, Scales (both soft and hard form), Spider Mites</td>
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<tr>
<td>CROPS (except in CA)</td>
<td>PESTS</td>
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<tr>
<td>Tree Fruit (California only)</td>
<td>White Scale, Greasy Scale, Diaper 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 fine 6-gallon mist where scale populations are high. Do not apply after hatch. Do not use on weak or stressed trees, or where still moisture is trapped.</td>
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</tr>
<tr>
<td>Foliage</td>
<td>Fly Scale</td>
<td>Duster: Apply using 100 - 300 gallons of spray solution per acre using 2 - 3 gallons per 100 gallons of water. Concentrate: Apply 2 gallons per acre.</td>
<td>For dormant or delayed dormant only.</td>
<td></td>
</tr>
<tr>
<td>Foliage</td>
<td>Hop Granny Dwarf</td>
<td>Applying 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 depending on plant size to achieve thorough coverage. Apply with ground equipment only. Note: Do NOT use Propargite (Dimilin) within 40 days following an all application. Do NOT apply within 30 days of a Propargite (Dimilin) application. Do NOT combine with sulfur sprays. Applications made within 20 days before or after sulfur applications will result in phytotoxicity.</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 recop. 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 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. 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 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 refrilling 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 rinseate into application equipment or rinseate 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**

MAX WEA RESERVES THE RIGHT TO MAKE CHANGES IN THE INSTRUCTIONS, MODES OF USE, AND ANY PART OF THE PRODUCT AT ANY TIME. MAX WEA MAKES NO WARRANTIES OR REPRESENTATIONS OF ANY KIND, EITHER EXPRESS OR IMPLIED, AS TO THE PRODUCT'S CAPABILITY, PERFORMANCE, OR SUITABILITY FOR ANY PARTICULAR PURPOSE, USE, OR ENVIRONMENT.