



# Supreme Spray Oil

INSECTICIDE - MITICIDE

ACTIVE INGREDIENT:.....	By. Wt.
Mineral Oil .....	99.00%
INERT INGREDIENTS .....	1.00%
TOTAL .....	100.00%

Contains petroleum distillates.  
 Petroleum Oil Unsulfonated Residue – 95.9%  
 Petroleum Oil Classification – Light Medium  
 EPA REG. NO. 7001-7778 EPA EST. NO. 8917-CA-027

**KEEP OUT OF REACH OF CHILDREN**  
**CAUTION**

**PRECAUTIONARY STATEMENTS**  
**HAZARDS TO HUMANS & DOMESTIC ANIMALS**

CAUTION: Harmful if absorbed through the skin. Causes eye irritation.  
 Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling.

UNFOLD LABEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS, AND DIRECTIONS FOR USE.

**FIRST AID**

<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 to 20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If in eyes:</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15 to 20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If swallowed:</b>	<ul style="list-style-type: none"> <li>• Immediately call a poison control center or doctor.</li> <li>• Do not induce vomiting unless told to by a poison control center or doctor.</li> <li>• Do not give any liquid to the person. Do not give anything by mouth to an unconscious person.</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>

**HOT LINE NUMBER** Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact day or night, 1-800-424-9300

**NOTE TO PHYSICIANS** Contains petroleum distillate - vomiting may cause aspiration pneumonia.

NET CONTENTS: \_\_\_\_\_ GALLONS \_\_\_\_\_ LITERS



Manufactured in U.S.A. for:  
 J. R. Simplot Company • P.O. Box 198, Lathrop, CA 95330

## PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are barrier laminate, nitrile rubber, neoprene rubber or viton. 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:** long-sleeved shirt and long pants, shoes plus socks, and chemical resistant gloves. Follow manufacturer's instructions for cleaning/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 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 REQUIREMENTS

User 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. Users 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 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 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. READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS AND DIRECTIONS, AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.**

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, forest, 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 (PPE), 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 worker entry into treated areas during the restricted-entry interval (REI) 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 any waterproof material.

## **PRECAUTIONS AND RESTRICTIONS**

- 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.
- Do not apply this product through any type of irrigation system.
- Do not apply if this product will drift to food forage or other crops that might be damaged.
- For applications, the spray tank must be free of any sulfur residue before using PHT Supreme Spray Oil. Do not combine this product with any type of sulfur spray. Do not apply PHT Supreme Spray Oil after a sulfur application until sufficient time has passed for safety (at least 30 days). Do not apply sulfur after an application of PHT Supreme Spray Oil until sufficient time has passed for safety (at least 30 days). If doubts exist, spray a PHT 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 90°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.
- PHT Supreme Spray Oil must be diluted before an application is made.
- Air Application: USE ONLY AS EMERGENCY APPLICATION WHEN CONDITIONS DO NOT ALLOW GROUND RIG APPLICATION.
- Air Application: Apply rates for each listed crop in a minimum of 20 gallons per acre by air application.
- 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. 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 PHT Supreme Spray Oil. When the tank is one half full and with good agitation, add the proper amount of PHT Supreme Spray Oil, then fill to the desired volume. Constant agitation must be maintained during mixing and application. See your Simplot Fieldman of Agricultural Extension Service for recommendations on timing and combinations with PHT Supreme Spray Oil.

## **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, airblast, 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 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.**

**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.

### Airblast:

For airblast applications, turn off outward pointing nozzles at row ends and when spraying outer 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.

## AMOUNTS GIVEN ARE FOR 100 GALLONS OF DILUTED SPRAY.

**ALMONDS, PISTACHIO:** Summer Use - Brown Almonds Mite, European Red Mite and Two-Spotted Spider Mite - Concentrate Sprayers - Use 4 to 6 gallons in 60 to 150 gallons water per acre. Do not apply to trees lacking adequate moisture.

**ALMONDS, APRICOTS, APPLES, CHERRIES, NECTARINES, PEACHES, PEARS, PISTACHIO, PLUMS AND PRUNES:** (Dormant, delayed dormant): Brown Apricot Scale, Black Scale, San Jose Scale, Olive Scale (Parlatoria Scale), Oleander Scale, Frosted Scale, Italian Pear Scale, European Fruit Lecanium, Putnam Scale, Parlatoria, Soft Brown Scale, Certain other Scale Insects, Eggs of Aphids, Red Spider Mites - 2 to 2½ gallons. Summer Use - Red Spider Mites - 3 to 4 quarts; Summer stages of Brown Apricot Scale, San Jose Scale - 1 gallon.

**APPLES:** Rust Mite - Delayed Dormant - 1½ to 2 gallons, Summer Use - 1 to 1½ gallons.

**APPLES, PEARS:** Dormant or Delayed Dormant: San Jose Scale, Italian Pear Scale, Eggs of Aphids, Red Spider Mites - 1½ to 2 gallons. Summer Use: Red Spider Mites - 3 to 4 quarts (Concentrated Sprayers – Pears (California Only) - 4 to 6 gallons in 90 to 120 gallons of water per acre). Summer Forms of San Jose and Italian Pear Scale - 1 to 1½ gallons.

**FIGS:** Fig Scale - Dormant or Delayed Dormant - Use 1½ to 3 gallons. Do not apply to water stressed trees. Apply when temperature is above 40°F.

**GRAPES:** Mealybugs - Dormant - Use 4 to 6 gallons in 200 to 300 gallons of water per acre.

**ORANGES, LEMONS, GRAPEFRUIT:** Citrus Red Mite - Concentrate Spray Applications (mist sprayer) - Use 5 to 15 gallons in 50 to 100 gallons water per acre. Apply to Valencia oranges only during the period from mid-July through August. Do not apply to lemons within 60 days of harvest. Concentrate spray applications require that the spray droplets be discharged into an air stream pattern of at least 100 mph and with sufficient volume to carry the spray into the tree canopy. Ground speed must not exceed 1½ mph. Maximum of 159 pounds active ingredient per acre (maximum of 1500 gallons of spray mix per acre) in Texas and Florida, and 212 pounds of active ingredient per acre (maximum of 2000 gallons of spray mix per acre) in California (based on thorough coverage spray, with 1.5 gallons of product mixed in 100 gallons of water).

**GRAPEFRUIT, LEMONS:** Red Scale, Yellow Scale, Purple Scale, Black Scale, Red Spider Mites - 1 to 1¼ gallons Spray during winter and spring months when Red Scale are more easily controlled. Do not spray within 60 days of harvest for lemons. Maximum of 159 pounds active ingredient per acre (maximum of 1500 gallons of spray mix per acre) in Texas and Florida, and 212 pounds of active ingredient per acre (maximum of 2000 gallons of spray mix per acre) in California (based on thorough coverage spray, with 1.5 gallons of product mixed in 100 gallons of water).

**OLIVES:** Olive Scale, Spider Mites, Oleander Scale, Black Scale - Use 1½ to 2 gallons per 100 gallons of water. Apply prebloom or postbloom up to buckshot. Black Scale (California only) - Use 1½ to 2 gallons per 100 gallons of water. Apply 400 to 800 gallons of dilute spray per acre. Make applications between July 1<sup>st</sup> and August 1<sup>st</sup>.

**NAVAL ORANGES:** Red Scale, Black Scale, Yellow Scale, Purple Scale, Red Spider Mites - 3 quarts. Do not use after September 1st on Naval Oranges. Maximum of 159 pounds active ingredient per acre (maximum of 1500 gallons of spray mix per acre) in Texas and Florida, and 212 pounds of active ingredient per acre (maximum of 2000 gallons of spray mix per acre) in California (based on thorough coverage spray, with 1.5 gallons of product mixed in 100 gallons of water).

**VALENCIA ORANGES:** Red Scale, Black Scale, Yellow Scale, Purple Scale, Red Spider Mites - 1 gallon. Do not apply later than September 1<sup>st</sup>. Maximum of 159 pounds active ingredient per acre (maximum of 1500 gallons of spray mix per acre) in Texas and Florida, and 212 pounds of active ingredient per acre (maximum of 2000 gallons of spray mix per acre) in California (based on thorough coverage spray, with 1.5 gallons of product mixed in 100 gallons of water).

**PEARS:** Pear Psylla - Delayed Dormant: 1½ gallons. Summer Use: 1 to 1½ gallons. Blister Mite - Delayed Dormant and Fall Spray - 1½ gallons.

**WALNUTS:** Late Spring to Mid-Summer Only: Summer Stages of Frosted Scale, European Fruit Scale, San Jose and other Soft-Shell Scale, Red Spider Mites - 2 to 4 quarts. Do not apply after husk split.

## CONCENTRATE APPLICATION

Crop	Growth Stage	Gallons Oil per acre	Gallons Spray per acre	Pest
Apples, Pears	Dormant Delayed Dormant	4 - 6	40 - 125	San Jose Scale, Pear Psylla, European Red Mite Eggs
Almonds, Apricots, Cherries, Nectarines, Peaches, Pistachio	Dormant Delayed Dormant	4 - 6	40 - 125	San Jose Scale, Brown Apricot Scale, Walnut Scale, Parlartoria Scale, Peach Twig Borer, Mite Eggs
Prunes, Plums	Dormant Delayed Dormant	3 - 5	40 - 125	Parlatoria (Olive) Scale, San Jose Scale, European Red Mite Eggs, Brown Mite Eggs, Brown Apricot Scale, Black Scale, Mealy Plum Aphid Eggs, Plum Aphid Eggs

**RESTRICTION:** Concentrate applications may reduce coverage and effectiveness. Concentrate spraying is more exact and requires more exacting calibration and operation. Phytotoxicity studies have not been made on all fruit varieties, or in all growing areas in California for concentrate applications. Multiple concentrate applications may cause wood injury or delay bud development. Turn off the sprayer to avoid multiple applications while turning at the end of the row. If San Jose Scale is a moderate to severe problem, use a dilute application. Do not apply PHT Supreme Spray Oil concentrate to Queen Ann variety or to oil sensitive varieties as phytotoxicity to twigs, buds, or leaves will occur.

## STORAGE AND DISPOSAL

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

**PESTICIDE STORAGE** Keep pesticide in original container. Do not put concentrate into food or drink containers. Protect from water contamination during storage and transfer. Contamination with water may make this product unfit for its intended use. Always check emulsification before using. For help with any spill, leak, fire or exposure involving this material, call day or night Chemtrec 1-800-424-9300.

**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 DISPOSAL** Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. 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. If recycling is not available, puncture container and dispose of it in a sanitary landfill or by other procedures approved by State and local authorities.

## CONDITIONS OF SALE AND WARRANTY

1. J.R. Simplot Company warrants that this material conforms to the chemical description on the label and is reasonably fit for use as directed hereon. To the extent consistent with applicable laws, J.R. SIMPLOT COMPANY neither makes, nor authorizes any agent or representative to make, any other warranty of FITNESS or of MERCHANTABILITY, guarantee or representation, expressed or implied concerning this material.

2. Critical and unforeseeable factors beyond the control of J.R. Simplot Company prevent it from eliminating all risk in connection with the use of chemicals. Such risks include, but are not limited to, damage to plants and crops to which the material is applied, lack of complete control and damage caused by drift to other plants or crops. Such risks occur even though the product is reasonably fit for the uses stated hereon and even though label directions are followed. Buyer and user acknowledge and assume all risks and liability (except those assumed by J.R. Simplot Company under 1 above) resulting from handling, storage, and the use of this material.