



(New 2/2/2012)

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# 415 Supreme Spray Oil

## Insecticide - Miticide 415 Type Oil

### ACTIVE INGREDIENT:

Mineral Oil..... 99.70%

INERT INGREDIENTS..... 0.30%

TOTAL..... 100.00%

By Weight:

Contains petroleum distillates

Petroleum Oil Unsulfonated Residue – 92%

Petroleum Oil Classification – Light Medium

EPA REG. NO. 10951-15-7001

EPA EST. NO.

### KEEP OUT OF REACH OF CHILDREN

# CAUTION

See Below For Additional Precautionary Statements

## FIRST AID

<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 do so by a poison control center or doctor.</li> <li>• Do not give any liquid to a person.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<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 15-20 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 - 20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</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>

### HOTLINE NUMBER

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. Call Chemtrec 1-800-424-9300.

### NOTE TO PHYSICIAN

Contains petroleum distillate - vomiting may cause aspiration pneumonia.

## PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if swallowed. Avoid breathing spray mist. Avoid contact with skin, eyes, or clothing.

## 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, and other handlers must wear:** long-sleeved shirt and long pants, shoes plus socks, and chemical resistance 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 or enclosed cabs 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.

## USER SAFETY REQUIREMENTS

Users 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 rinse. 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.

## 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 415 Supreme Spray Oil**. When the tank is one half full and with good agitation, add the proper amount of **PHT 415 Supreme Spray Oil**, then fill to the desired volume. Maintain agitation during mixing and application.

## 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 by aerial application.
- 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 415 Supreme Spray Oil. Do not combine this product with any type of sulfur spray and do not follow a previous application of sulfur or apply sulfur after PHT 415 Supreme Spray Oil until sufficient time has passed for safety (at least 60 days). If doubts exist, spray a PHT 415 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 415 Supreme Spray Oil must be diluted before an application is made.
- Follow all precautions and instructions on all pesticide labels being tank mixed.
- All rates are for mature trees; rates must be proportionately adjusted downward for smaller or immature trees.
- Apply by ground application from a sprayer that provides thorough coverage for best efficacy. For dilute sprays, spray for thorough coverage without significant runoff.
- Application to trees weakened by disease, drought, drying winds or high nitrogen applications may result in injury to the trees.
- See your Simplot Fieldman or Agricultural Extension Service for recommendations on timing and combinations with PHT 415 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.

### 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.

## FOLIAR APPLICATION - DILUTE SPRAY

**ALMONDS, APRICOTS, CHERRIES, NECTARINES, PEACHES, PLUMS PRUNES:** Brown Apricot Scale, San Jose Scale, Red Spider Mites - Use 1 to 1½ gallons per 100 gallons of water at 300 to 600 gallons per acre. CAUTION: Certain varieties of Plums and Prunes may be injured by oil sprays, check for tolerance to oil before treatment

**APPLES:** Rust Mites, Red Spider Mites, San Jose Scale - Use 1 gallon per 100 gallons of water at 400 to 800 gallons per acre.

**AVOCADOS:** Avocado Brown Mite, Persea Mite - Use 1 gallon per 100 gallons of water with thorough coverage through late fall. Do Not exceed 30 gallons of oil per acre per application.

**GRAPES:** Mealy Bugs - Post Harvest spray only. Use 4 to 6 gallons in 200 to 300 gallons of water per acre.

**ORANGES, LEMONS, GRAPEFRUIT, AND OTHER CITRUS VARIETIES:** Red Scale, Yellow Scale, Citriola Scale, Brown Soft Scale, Purple Scale, Black Scale, Citrus Red Mite, Pacific Spider Mite, Two Spotted Spider Mite - Use 1 to 1½ gallons per 100 gallons of water at 400 to 2000 gallons per acre. Do not use within 8 weeks 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.

**OLIVES:** Olive Scale, Spider Mites, and Oleander Scale - Use 1½ gal. per 100 gal. of water at 400 to 1200 gal. per acre. Apply prebloom or postbloom up to buckshot. Black Scale (Calif. Only) - Use 1 to 1½ gal. per 100 gal. of water at 400 to 1200 gal. per acre. Make applications between July 1<sup>st</sup> and August 31<sup>st</sup>. Phytotoxicity can occur at high concentrations on stressed trees or at high temperatures.

**PEARS:** Red Spider Mites, San Jose Scale, Italian Pear Scale, Pear Psylla - Use 1 to 1½ gallons per 100 gallons water at 400 to 800 gallons per acre. Blister Mite - Use 1 to 1½ gallons per 100 gallons water at 400 to 800 gallons per acre as a fall spray after harvest only.

**WALNUTS:** European Fruit Scale, Frosted Scale, San Jose Scale, Soft Shelled Scales, Red Spider Mites - Use 4 to 6 gallons in 200 gallons of water per acre. Apply at late spring to mid summer. Do not apply after husk split.

## FOLIAR APPLICATION - CONCENTRATE SPRAY

**NOTE:** Concentrate sprays using 50 to 100 gallons of Spray Solution per acre is preferred but not required depending on the performance of the sprayer. PHT 415 Supreme Spray Oil must be diluted before an application is made.

**ALMONDS, APRICOTS, CHERRIES, NECTARINES, PEACHES, PLUMS PRUNES:** Red Spider Mite, Brown Spider Mite, Pacific Spider Mite, Two Spotted Spider Mite - Use 4 to 6 gallons per acre in a minimum of 20 gallons of water. PEACHES, NECTARINES, ALMONDS and PLUMS - At least 2 days before harvest, use the lower concentrate rate of 4 gallons per acre. For PRUNES and APRICOTS - At least one week before harvest, use the lower concentrate rate of 2 gallons per acre in a minimum of 20 gallons per acre.

**APPLES, PEARS:** Two Spotted Spider Mites, Red Spider Mites - Use not more than 4 gallons per acre in a minimum of 20

gallons of water per acre. At least one week before harvest, use the lower concentrate rate of 2 gallons per acre in a minimum of 20 gallons per acre.

**AVOCADOS:** Avocado Brown Mite, Persea Mite - Use 1 to 18 gallons per 100 gallons of water per acre.

**ORANGES, LEMONS, GRAPEFRUIT, AND OTHER CITRUS VARIETIES:** Red Scale, Yellow Scale, Citrola Scale, Brown Soft Scale, Purple Scale, Black Scale, Citrus Red Mite, Pacific Spider Mite, Two Spotted Spider Mite - Use 5 to 15 gallons per acre in a minimum of 50 gallons of water per acre. Do not use within 8 weeks 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.

## **DORMANT OR DELAYED DORMANT - DILUTE SPRAY**

**ALMONDS, APRICOTS, CHERRIES, NECTARINES, PEACHES, PLUMS PRUNES:** Brown Apricot Scale, Black Scale, San Jose Scale, Olive Scale, Oleander Scale, Frosted Scale, Italian Pear Scale, European Fruit Lecanium, Putnam Scale, Soft Brown Scale, Eggs of Aphids, and Spider Mites - Use 1½ to 2 gallons per 100 gallons of water at 300 to 600 gallons per acre. **CAUTION:** Spray Plums and Prunes during the delayed dormant period only. Oil sensitive varieties may develop dead limbs and scaffolds that will reduce yields.

**APPLES:** San Jose Scale, Eggs of Aphids, Red Spider Mites - Use 1½ to 2 gallons per 100 gallons of water at 400 to 800 gallons per acre. Rust Mites - Use 1½ to 2 gallons per 100 gallons of water at 400 to 800 gallons per acre for delay dormant spray only.

**FIGS:** Fig Scale - Use 3 gallons per 100 gallons of water at 300 to 600 gallons per acre.

**GRAPES:** Mealy Bugs - Use 4 to 6 gallons in 200 to 300 gallons of water per acre as a dormant spray only.

**PEARS:** San Jose Scale, Italian Pear Scale, Eggs of Aphids, and Red Spider Mites - Use 1½ to 2 gal. in 100 gallons of water at 400 to 800 gallons per acre. Pear Psylla and Blister Mite - Use 1½ to 2 gal. in 100 gallons of water at 400 to 800 per acre as a delayed dormant spray only.

## **DORMANT OR DELAYED DORMANT - CONCENTRATE SPRAY**

**NOTE** - Concentrate sprays using 50 to 100 gal. of spray solution per acre is preferred but not required depending on the performance of the sprayer. PHT 415 Supreme Spray Oil must be diluted before an application is made.

**ALMONDS, APRICOTS, CHERRIES, NECTARINES, PEACHES, PLUMS PRUNES:** Brown Apricot Scale, Black Scale, San Jose Scale, Olive Scale, Oleander Scale, Frosted Scale, Italian Pear Scale, European Fruit Lecanium, Putnam Scale, Soft Brown Scale, Eggs of Aphids, and Spider Mites - Use 6 to 8 gallons per acre in a minimum of 20 gallons of water.

**PLUMS, PRUNES:** Black Scale, Brown Apricot Scale, Olive Scale, San Jose Scale, Brown Mite Eggs, Eggs of European Red Mites, Eggs of Mealy Plum Aphids, Plum Aphid Eggs - Use 3 to 5 gallons per acre in a minimum of 20 gallons of water. **CAUTION:** Spray Plums and Prunes during the delayed dormant period only. Oil sensitive varieties may develop dead limbs and scaffolds that will reduce yields.

**APPLES, PEARS:** San Jose Scale, Red Spider Mite Eggs, Pear Psylla - Use 4 to 8 gallons per acre in minimum of 20 gallons of water. **DO NOT** apply to oil sensitive varieties as phytotoxicity to buds and new wood may result.

## 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 waste, use all material in this container by application according to label directions. If waste 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.

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 law, 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.

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



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