

OMNI SUPREME SPRAY

(INSECTICIDE-MITICIDE)
LIQUID

A SUPERIOR SPRAY OIL

ACTIVE INGREDIENT:

Petroleum oil 98.00%

INERT INGREDIENTS: 2.00%

TOTAL 100.00%

Petroleum Oil Min. Unsulfonated Residue - 92%

Petroleum Oil Classification - Unclassified

KEEP OUT OF REACH OF CHILDREN

CAUTION

See Other Cautions Inside Panel

EPA REG. NO. 5905-368

EPA EST. NO.

NET CONTENTS:

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ACCEPTED

MAR 6 1997

Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under
EPA Reg. No. 5905-368

MANUFACTURED BY
HELENA CHEMICAL COMPANY
MEMPHIS, TN. 38119

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

CAUTION

Harmful if swallowed. Avoid breathing of spray or vapors. Avoid contamination of food and foodstuffs.

STATEMENT OF PRACTICAL TREATMENT

If Swallowed: Do not induce vomiting

If on Skin: Wash with soap and water

If on Eyes: Flush with running water. If irritation persists see a physician.

PERSONAL PROTECTIVE EQUIPMENT

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.

Applicators and other handlers must wear:

Long-sleeved shirt and long pants

Chemical-resistant gloves, such as Barrier Laminate, Nitrile Rubber, Neoprene Rubber or Viton.

Shoes plus socks

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the 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 RECOMMENDATIONS

Wash hands before eating drinking, chewing gum, using tobacco or using the toilet.

ENVIRONMENTAL HAZARDS

This product is toxic to fish. For terrestrial uses, 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 by cleaning of equipment or disposal of washwaters.

PHYSICAL OR CHEMICAL HAZARDS

Do not use, pour spill or store near heat or open flame.

CHEMIGATION PROHIBITION

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

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

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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, 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 (PPE). 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 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 plants, soil, or water, is:

Coveralls

Chemical-resistant gloves, such as Barrier Laminate or Nitrile Rubber or Neoprene Rubber, or Viton.

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 Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forest, nurseries, or greenhouses. Keep unprotected persons out of treated areas until sprays have dried.

STORAGE AND DISPOSAL

STORAGE: Keep container well sealed. Protect from excessive heat.

PESTICIDE DISPOSAL: Do not contaminate water, food or feed by storage or disposal. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or, by other procedures approved by state and local authorities.

GENERAL INFORMATION

OMNI SUPREME SPRAY is an especially refined Phytonomic Oil Contact Insecticide. It is for use on plants in foliage or the dormant stage.

When using this product in combination with other pesticides as directed on this label, observe appropriate cautions, limitations for the products involved.

This product is intended for use by the commercial grower or commercial applicator in conventional hydraulic sprayers, concentrate application equipment, ground applicators or aerial. The rates of Omni Supreme

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are recommended on a per 100 gallons of dilute spray, except where indicated. When applying by ground equipment, either dilute or concentrate, use the recommended amount in sufficient water for thorough coverage. Application rates applied by concentrate methods should equal the total amount of OMNI SUPREME applied per acre on the per 100 gallon basis except where the actual concentrate rates are specified. (Example: If a dilute application is recommended at 1 gallon per 100 gallons and it requires 400 gallons per acre for proper coverage, the concentrate rate would contain 4 gallons per acre). The optimum spray gallonage is dependent on tree or crop size, density and growth stage. Typical spray gallonages per acre range from, but are not limited to 100-600 gallons for dilute spray, 20-100 gallons for concentrate and 5-25 gallons for aerial.

AIR APPLICATION: Apply the quantity of product indicated in sufficient water to make a minimum of 20 gallons of spray per acre except where indicated otherwise. Because air application is not as efficient as ground sprays for trees, they are recommended only if growing and/or soil conditions indicate a ground application to be infeasible.

MIXING INSTRUCTIONS

- (1) Add enough water to the mixing tank for proper agitation.
- (2) Add micronutrients and other desired pesticides. If dry pesticide products are used, mix the materials with water thoroughly so that they are completely dispersed in the mixing tank. **DO NOT** add **OMNI SUPREME SPRAY** before a uniform mixture of pesticide and water is obtained.
- (3) Maintain agitation of the mix until the spray is applied. Flush any spray mix remaining in hoses back into the tank if the solution stands for more than 20 minutes.
- (4) Ensure that spray equipment is thoroughly clean so that residues from other applications do not remain.

For foliage application, the spray tank must be free of any sulfur residue before using **OMNI SUPREME SPRAY**. Do not combine sulfur sprays with **OMNI SUPREME SPRAY** on foliage and do not follow a previous application of sulfur or apply sulfur following **OMNI SUPREME SPRAY** until sufficient time has elapsed for safety (at least 30 days) except in the Northwest (Oregon and Washington) where it may be used in combination on Pears as a Post Harvest (after all fruit is off the tree), Dormant, and Delayed Dormant (before the scales slip, or at, or prior to bud swell) treatment and on Apples prior to or up to the Delayed Dormant (1/2" green) period. If in doubt, spray a portion of one tree previously treated with sulfur, using 1 quart to 25 gallons water. If sufficient time has not elapsed, burn will show in several days. Do not use **OMNI SUPREME SPRAY** when temperatures are above 90° Fahrenheit. When temperatures drop below 32° F (usually nighttime lows), do not spray tree and vine crops until daytime temperatures have warmed to a point above 35° F and are free from moisture due to melting frost or heavy dews. Do not use in combination with or immediately before or after spraying with dinitro compounds, fungicides such as Captan, Folpet, Dyrene, Karathene, Morestan or any other product containing sulfur.

Application to trees weakened by disease, drought, driving winds or high nitrogen applications may result in oil injury.

ALFALFA (Seed Crop Only): Use 1 quart per acre in a minimum of 20 gallons of water per acre by ground or a minimum of 10 gallons per acre by air when used in combination with insecticides or miticides that recommend the use of oil. To increase the effectiveness of desiccants, apply 2 gallons per acre in a minimum of 10 gallons of spray by air. Use is limited to those herbicides/desiccants labeled for Alfalfa Seed desiccation.

ALMONDS, APRICOTS, CHERRIES, NECTARINES, PEACHES, PLUMS, PRUNES: Dormant or Delayed Dormant: Dilute spray: 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, other Scale Insects, Eggs of Aphids, Red Spider Mites, Brown Mites - 1.5 to 2 gallons in 300 to 600 gallons per acre. Concentrate spray: 4 to 6 gallons per acre in a minimum of 20 gallons of spray. Almonds and Apricots: for the European Red Mite, Brown Mite, San Jose Scale- 4 to 8 gallons per acre in a minimum of 20 gallons of spray. Spring or Summer Dilute Spray: Twospotted, Pacific, European Red and Brown Mites; 1 to 2 gallons in 300 to 600 gallons of water per acre. Spring or Summer Concentrate: 4 to 6 gallons per acre in a minimum of 20 gallons of spray. Application by air: Use no more than 4 - 6 gallons of product in a minimum of 20 gallons of spray. Plums and Prunes: for peach twig borer-1.5-2 gallons per 100 gallons of water. Concentrate spray: 6-8 gallons per 20-125 gallons of water. Application by air: 6-8 gallons in a minimum of 20 gallons of spray.

APPLES: Rust Mite: Delayed Dormant - 1-1/2 to 2 gallons. Summer Use - 1 to 1-1/2 gallons.

APPLES and PEARS: Dormant, Delayed Dormant - Dilute Spray - San Jose and Pear Scale, Aphid Eggs, Red Spider Mites, (Rust Mites, Apples only-delayed dormant) 1 to 2 gallons. Pears only: Delayed dormant Pear psylla - 2 gallons. Concentrate spray-use 4 to 6 gallons in a minimum of 20 gallons of spray per acre. Summer dilute spray: Twospotted Spider, Pacific and European Red Mites - 1 to 1.5 gallons dilute in 400 to 800 gallons of water. Concentrate spray: use no more than 4 gallons per acre in a minimum of 20 gallons of spray. Application by air: Use no more than 4 - 6 gallons of product in a minimum of 20 gallons of spray per acre.

Dormant: (Washington and Oregon only): Apples - Dilute spray for mites and San Jose scale, use 1 to 1 1/2 gallons of oil plus sulfur or lime sulfur at the label recommended rate. Concentrate spray - use 4 to 6 gallons of oil per acre plus the label recommended rate of sulfur or lime sulfur in 20 to 100 gallons of spray per acre. Pears - Dilute Spray - Pear psylla, use 1 to 1 1/2 gallons of oil plus sulfur or lime sulfur at the label recommended rate. Concentrate spray - use no more than five gallons of oil plus the label recommended rate of sulfur or lime sulfur in 20 to 100 gallons of spray per acre.

CAUTION: Oil plus sulfur or lime sulfur can cause severe foliage and fruit bud injury if applied after the dormant period.

ASPARAGUS, BEANS, BEETS, CORN, CUCURBITS, PEPPERS, SQUASH, & TOMATOES: Aphids, Mites, Beetle Larvae, Leafminers, and Certain Caterpillars - Use 1-2 gallons/100 gallons of water.

FIGS: Fig Scale - Dormant or Delayed Dormant: Dilute spray: Use 2 to 3 gallons per 100 gallons in 300 to 600 gpa water. Use 3 gallons for severe infestations. Concentrate spray, use 4 to 6 gallons in a minimum of 50 gallons of spray.

GRAPES: Dormant: Dilute Spray: Mealybug - Use 1 to 2 gallons plus the appropriate labeled rate of an insecticide registered for use on grapes for mealybug control in 200 to 300 gallons water per acre. Concentrate spray: use 1 to 2 gallons plus the appropriate labeled rate of an insecticide registered for use on grapes for mealybug control per acre in enough water for thorough coverage. Suppression of Grape and Variegated leafhopper nymphs: use 1 to 1.5 gallons per 100 gallons dilute or 1 to 3 gallons per acre concentrate. Mite suppression: 1 - 2 gallons per acre concentrate. Narrow range oils such as OMNI SUPREME SPRAY can temporarily affect surface bloom appearance but will not cause subsurface injury. When applied for leafhopper or mite suppression near harvest (within 2 days) OMNI SUPREME SPRAY should not be applied to grapes for fresh market.

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OLIVES: Dilute spray: Parlatoria, Oleander, Olive and Black Scales, Spider Mites - use 1.5 gallons in 400 to 500 gpa water. May be used post bloom. (Late May through June when crawlers are present) Summer (July 15 through August) and Post-Harvest (October through November).

STRAWBERRIES: Two Spotted Spider Mites - Use 1.0% - 2.0% volume to volume in 60 gallons of water/acre with air assisted low volume ground applicators or 200 gallons of water/acre with standard ground spray equipment. Application may be made during the winter months when plants are semi-dormant. Do not use oil from peak bloom through peak fruiting period. Application should be made when mites are at no more than a moderate infestation level. Higher levels of mite infestations will require treatment with more effective miticides. Make applications at no less than 14 days between applications. Consult your local Extension Office for more specific local mite threshold density recommendations for this type of treatment. When using refined petroleum oils on strawberries there will be a danger of phytotoxicity. To minimize the problem, do not apply this product when warm temperatures, 75 degrees F and higher, are expected for several days after application. In California, do not apply this product from:

January 16 to May 30 in Orange and San Diego counties and the Oxnard Plains

February 1 to June 15 in the Santa Maria Valley

March 1 to June 30 in Monterey and Santa Cruz counties.

CITRUS (Citrus spp., Fortunella spp.)

ORANGES (NAVEL AND VALENCIA), GRAPEFRUIT, MANDARINS, CITRON, and OTHER CITRUS spp.: Red, Yellow, Citricola, Purple and Black Scales, Red Spider Mites - Dilute spray: apply 1.2 to 1.4 gallons in late Summer through October. For Southern California make application to Grapefruit from July through October. (Navels, July and August; Valencias, July through September.) Oxnard Plains; follow application directions for Southern California except applications can be made throughout the year. On navels do not apply during or after color break. Make applications in enough water for thorough coverage. Concentrate Spray: Apply in a minimum of 20 gallons per acre. **LEMONS, LIMES:** Dilute spray: Red, Yellow, Purple and Black Scales; Red Spider Mites, Bud Mites, Flat Mites - apply 1.2 to 1.4 gallons. Apply in late spring and late summer through December. For California; Central California - apply 1.2 to 1.4 gallons in August and September only. Southern California (Coastal) apply .5 to 1.4 gallons in May and June and/or September through December, (Interior) apply .5 to 1.4 gallons in April and May and/or September through November. Oxnard Plains; follow application directions for Southern California except applications can be made throughout the year, no timing restrictions. Make applications in enough water for thorough coverage. Concentrate Spray: Apply in a minimum of 20 gallons per acre.

ALL CITRUS VARIETIES: All citrus varieties - use as an sticker adjuvant: This product may be used as a sticker adjuvant with Kelthane. Do not exceed 0.4% v/v concentration. Do not use oil when freezing temperatures are expected within 24 hours of the application.

WALNUTS: Delayed dormant: Black, San Jose, Olive, Frosted, Calico, European Fruit, Lecanium Scales, Red Spider Mite Eggs and Walnut Aphid Eggs - Dilute Spray - use 2 gallons in 300 to 500 gallons. Foliar (Fully expanded leaves): Spider Mites - use 4 gallons per acre in 200 to 400 gallons of water. Concentrate Spray: for delayed dormant and foliar sprays, apply in a minimum of 40 gallons of water per acre. Use oil only on trees that have not suffered from lack of moisture or other stressing factors during the growing season. Do not apply when soil moisture is low. Do not apply after husk split. As an adjuvant for neutral copper compounds for control of Walnut Blight in pre and post-bloom sprays: Use 1 quart per 100 gallons of water as a dilute spray. Follow dosages and timings on the copper product label.

SHADE TREES, SHRUBS, ORNAMENTALS, FLOWER AND FOLIAGE PLANTS, CHRISTMAS TREES

Shade Trees* and Shrubs including Conifers, Deciduous Broadleaf Evergreens & Woody Ornamentals: Aphids, Adelgids, Bugs (immature), Certain Caterpillar, Eriophyid Mites, Gall Mites, Lace Bug, Leaf Beetle Larvae, Leafminer, Mealybug, Psyllids (immature), Sawfly (larvae), Scales (immature), Spider Mites, Whiteflies (immature): Winter Dormant Period as needed - 2-4 gallons oil per 100 gallons water. Summer (Foliar or Cover) as needed - 1-3 gallons oil per 100 gallons water.

Ornamental Trees*, Shrubs along city streets, other rights-of-way including Conifers, Deciduous and Broadleaf Evergreens: Aphids, Adelgids, Bugs (immature), Certain Caterpillar, Eriophyid Mites, Gall Mites, Lace Bug, Leaf Beetle Larvae, Leafminer, Mealybug, Psyllids (immature), Sawfly (larvae), Scales (immature), Spider Mites, Whiteflies (immature): Winter Dormant Period as needed - 2-4 gallons oil per 100 gallons water. Summer (Foliar or Cover) as needed - 1-3 gallons oil per 100 gallons water.

Flowering and Foliage plants including Roses and other Flowering Shrubs: Aphids, Adelgids, Bugs (immature), Certain Caterpillar, Eriophyid Mites, Gall Mites, Lace Bug, Leaf Beetle Larvae, Leafminer, Mealybug, Psyllids (immature), Sawfly (larvae), Scales (immature), Spider Mites, Whiteflies (immature): Winter Dormant Period as needed - 2-3 gallons oil per 100 gallons water. Summer (Foliar or Cover) as needed - 1-2 gallons oil per 100 gallons water.

Foliage Ornamentals & Bedding Plants: Aphids, Adelgids, Bugs (immature), Certain Caterpillar, Eriophyid Mites, Gall Mites, Lace Bug, Leaf Beetle Larvae, Leafminer, Mealybug, Psyllids (immature), Sawfly (larvae), Scales (immature), Spider Mites, Whiteflies (immature): Winter Dormant Period as needed - 2-3 gallons oil per 100 gallons water. Summer (Foliar or Cover) as needed - 1-2 gallons oil per 100 gallons water.

Christmas Trees: Aphids, Adelgids, Scale (soft & hard) (immature), Spider Mites: Winter 2-4 gallons oil per 100 gallons water, Summer 1-3 gallons oil per 100 gallons water.

*Oil removes the glaucous (blue) bloom from such evergreens as Colorado Blue Spruce and Koster Spruce. Always use lower dosage or test spray oil sensitive plants such as Cryptomeria, Smoke Tree, Chamaecyparis, Juniper, Japanese Holly and Spruce. Tendency toward sensitivity: Red Cedar and Douglas Fir. Do not spray Walnut foliage.

Caution: Spray no more than 4 times during the growing season; use a 2 week minimum application interval. Do not spray when buds have fully opened and shoot elongation is occurring. Do not spray when there is obvious moisture deficit in leaves, or the plant is under stress. For fall dormant applications, reduce rate to 2 gallons oil per 100 gallons water and limit use only to: American Red Oak, Japanese Black Pine, Dogwood, Weeping Cherry, Cornelian Cherry, Crabapple, Norway Maple, Purple Leaf Plum. Keep away from open blooms-bleaching and spotting has been observed with the open blooms of certain plants.

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**CONDITIONS OF SALE - LIMITED WARRANTY
AND LIMITATIONS OF LIABILITY AND REMEDIES**

The directions on this label are believed to be reliable and should be followed carefully. Insufficient control of pests and/or injury to the crop to which the product is applied may result from the occurrence of extraordinary or unusual weather conditions, the failure to follow the label directions, or good application practices, all of which are beyond the control of Helena Chemical Company (the "Company") or seller. In addition, failure to follow label directions may cause injury to crops, animals, man, or the environment. The Company warrants that this product conforms to the chemical description on the label and is reasonably fit for the purpose referred to in the directions for use subject to the factors noted above which are beyond the control of the Company. The Company makes no other warranties or representations of any kind, express or implied, concerning the product, including no implied warranty of merchantability or fitness for any particular purpose, and no such warranty shall be implied by law.

The exclusive remedy against the Company for any cause of action relating to the handling or use of this product is a claim for damage and in no event shall damages or any other recovery of any kind against the Company exceed the price of the product which causes the alleged loss, damage, injury, or other claim. The Company shall not be liable and any and all claims against the Company are waived for special, indirect, incidental, or consequential damages or expense of any nature, including, but not limited to, loss of profits or income.

The Company and the seller offer this product and the buyer and user accept it, subject to the foregoing conditions of sale and limitation of warranty, liability, and remedies.

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