

# MONTEREY HORTICULTURAL OIL

Fungicide, Insecticide and Miticide



FOR ORGANIC PRODUCTION



ORNAMENTALS • ROSES • VEGETABLES • CITRUS  
• SMALL FRUITS • TREE FRUITS & NUTS

Controls Aphids, Mites, Scales, Whiteflies and  
Other Soft-Bodied Insects

Year-Round Usage — Dormant and Growing Season

For use only in Home Fruit and Vegetable Gardens, Home  
Greenhouses, Interior Plantscapes & Ornamental Gardens



Active Ingredient:	
Mineral Oil*	80.0%
Other Ingredients:	20.0%
Total:	100.0%

\*Contains petroleum distillates.  
Unulfonated Residue of Mineral Oil 92.0% min.

EPA Reg. No. 48813-1-54705 EPA Est. No. 48498-CA-1

**NET CONTENTS: 1 Pint, 1 Quart, or 1 Gallon**

Manufactured For:  
**LAWN AND GARDEN PRODUCTS, INC.**  
P.O. Box 35000 • Fresno, CA 93745 • (559) 499-2100  
info@montereylawnngarden.com

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

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 15-20 minutes.</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 for treatment advice.</li> <li>Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>Do not give ANY liquid to the person.</li> <li>Do not give anything by mouth to an unconscious person.</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> </ul>

	<ul style="list-style-type: none"> <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>
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 the National Pesticide Information Center at 1-800-858-7378 for emergency medical treatment information.	
NOTE TO PHYSICIAN	
Contains petroleum distillate – do not induce vomiting since vomiting may pose aspiration pneumonia hazard.	

## PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION:** Harmful if absorbed through skin. Avoid contact with eyes, skin, or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wear long-sleeved shirt, long pants; shoes, socks and chemical-resistant gloves made of barrier laminate or viton. Wash thoroughly with soap and water after handling. Remove contaminated clothes and wash them before reuse. Keep all persons (other than applicator) and pets out of treated areas until sprays have dried.

## ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Rinsing application equipment over the treated area will help avoid run off to water bodies or drainage systems.

## DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Apply this product only as specified on the label.

Do not allow people (other than applicator) or pets on treatment areas during application. Do not enter treatment areas until spray has dried.

## PRODUCT INFORMATION

This insecticide's mode of action is through suffocation of eggs, larvae and nymphs of insects and mites and adults of soft-bodied insects. This mode of action necessitates total spray coverage. As a fungicide this product interferes with the attachment of the pathogen to the host and acts as a suffocant.

This product may be used to control mite and insect pests in the egg stage, including: spider mites, eriophyid mites, armored scale, soft scale, mealybugs, psyllids, whiteflies, aphids, leafrollers, leaf tiers, webworms, cankerworms, plant bugs, leafhoppers and adelgids. This product will kill other immature forms if spray covers the insect. See APPLICATION RATES tables for species claimed to be controlled on specific types of plants. Use this product only on the types of plants identified in the APPLICATION RATES tables.

## USE PRECAUTIONS:

All horticultural oils interfere with or slow plant transpiration and respiration during periods of evaporation. DO NOT apply during periods of drought or when plants exhibit moisture stress.

## TIMING THE TREATMENT:

You must determine the precise timing to fit local growth and climatic conditions. This product can be applied up to day of harvest.

## MIXING DIRECTIONS:

This product mixes readily with water. A pump up sprayer or trigger sprayer may be used. If this product comes packaged in a ready-to-spray container, see the "Ready-To-Spray Container Directions" below. CAUTION: The ready-to-use sprayer is for outdoor uses only.

**Pump-up or Trigger Sprayer Mixing Directions:** Fill the sprayer half full with water, add the appropriate rate of this product and continue filling the sprayer. Spray formulation should be mixed well and often.

## How To Use The Ready-To-Spray System

### CONNECT

1. Shake well before using.
2. Connect sprayer to hose.
3. Turn on water.

### SPRAY

1. Before spraying, point nozzle in the direction you want to spray.
2. Bend small plastic tab back and turn knob clockwise to ON position.
3. Begin spraying.

### FINISH

1. To stop spraying, turn knob counter clockwise to OFF position.
2. Turn off water.
3. Relieve water pressure by bending plastic tab back and turning knob to ON position until water slows to a drip. Then turn knob back to OFF position.
4. Disconnect sprayer from hose.

## APPLICATION INSTRUCTIONS

Use enough spray solution to completely penetrate the leaf canopy and cover both top and bottom of all of the leaves until wet without significant runoff. Most mature standard trees will require 3 to 4 gallons of spray solution per tree although citrus trees may require 8 to 15 gallons of spray solution per tree. Fruits, vegetables, and ornamentals generally require 1 to 2 gallons of spray solution per 1,000 sq. ft.

## APPLICATION RATES

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

USE SITES	PEST	APPLICATION RATE	TIME OF APPLICATION
Conifers Flower, Foliage and Bedding Plants Ornamentals* Shade Trees Shrubs	Aphids Black Spot Leaf Miners Mites Plant Bugs Powdery Mildew Psyllids Rust Sawfly Scales Whiteflies	2.5-5.0 Tablespoons per Gallon of Water	As Needed

\*ORNAMENTAL PLANTS — Oil might remove the glaucous (blue) bloom from such evergreens as Colorado Blue Spruce and Koster Spruce. Use with caution and reduced dosage for summer application on Japanese Red Maple, Amur Maple and Black Walnut. Use with caution and reduced dosage for dormant application on Sugar Maple and Redbud.

## HOME GREENHOUSE ORNAMENTALS

USE SITES	PEST	APPLICATION RATE Tbsp. of MONTEREY HORTICULTURAL OIL Per 1 Gallon of Water	TIME OF APPLICATION
Azalea Camellia Carnation Fuchsia Gladiola Hibiscus Iris Lily Mums Orchids Poinsettia Rhododendron Rose Vines	Aphids Fungus Gnat Leaf Miners Mealy Bugs Mites Powdery Mildew Rust Scales Thrips Whiteflies	2.5-5.0	As Needed

## VEGETABLES (GARDEN AND HOME GREENHOUSE)

CROP	PEST	APPLICATION RATE Tbsp. of MONTEREY HORTICULTURAL OIL Per 1 Gallon of Water	TIME OF APPLICATION
Asparagus Bean Cucumber Eggplant Melon Peanut Pepper Pumpkin Radish Squash Tomato	Aphids Beetle larvae Leafhoppers Leaf Miners Mites Thrips Whiteflies	2.5-5.0	As Needed
Cabbage Cauliflower Celery Cole Crops Lettuce Onion	Aphids Leafhoppers Leaf Miners Loopers Mites Plant Bugs Thrips Whiteflies	2.5-5.0	As Needed
Corn (Sweet) Popcorn	Aphids Leaf Miners Mites Whiteflies	2.5-5.0	As Needed
Potato Sweet Potato	Aphids Leaf Miners Mites Whiteflies	2.5-5.0	As Needed

### TREE FRUITS & NUTS

CROP	PEST	APPLICATION RATE Tbsp. of MONTEREY HORTICULTURAL OIL Per 1 Gallon of Water	TIME OF APPLICATION
Almond Apricot Cherry Plum Prune	Aphids Fruit Tree Leaf Roller Mites Scales Whiteflies	2.5-5.0	As Needed
Apple (all varieties)	Aphids Bugs (including Apple Red Bug) Fruit Tree Leaf Roller Mites (including European Red Mite) Powdery Mildew Scales (Hard, Soft, Scurfy) Whiteflies	2.5-5.0	As Needed
Avocado Bananas Cocoa Coffee Macadamia Papaya	Bugs Leafhoppers Scales Sigatoka Leafroller Thrips	2.5-5.0	As Needed
Citrus *	Blackfly Greasy Spot Mites Scales (Glover, Chaff, Purple, Yellow, Red, Snow, Brown and California) Sooty Mold Whiteflies	2.5-5.0	As Needed
Nectarines Peach Pecan	Aphids Fruit Tree Leaf Roller Mites Scales Whiteflies	2.5-5.0	As Needed
Pear (all varieties)	Aphids Fruit Tree Leaf Roller Mites (including Pear Leaf Blister Mite) Pear Psylla Powdery Mildew Scales Whiteflies	2.5-5.0	As Needed
Pineapple	Aphids Mealybugs Mites Scales	2.5-5.0	As Needed
Fig Kiwi Olive Pistachio Walnut **	Aphids Mites Scales	2.5 – 5.0	As Needed

\* Citrus — Oils applied after October may increase cold damage to trees; applied in August and September may affect solids content, retard color.

\*\* Walnut — Apply late spring to mid-summer only. Do not apply after husk split.

### SMALL FRUITS

CROP	PEST	APPLICATION RATE Tbsp. of MONTEREY HORTICULTURAL OIL Per 1 Gallon of Water	TIME OF APPLICATION
Bushberries (Blueberry, Currant, Elderberry, Gooseberry, Huckleberry) Caneberries (Blackberry, Loganberry, Raspberry) Strawberry	Aphids Mites Powdery Mildew Rust Sawfly Scales Whiteflies	2.5-5.0	As Needed
Grape	Botrytis Leafhoppers Leaf Miners Mealybugs Mites Powdery Mildew Scales Whiteflies	2.5-5.0	As Needed

### STORAGE AND DISPOSAL

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

**PESTICIDE STORAGE:** Store in a secure locked area away from pets and out of the reach of children. Store only in original container and place in a locked storage area.

**CONTAINER/PESTICIDE DISPOSAL:** **If Empty:** Nonrefillable container. Do not reuse or refill this container. Place in trash or offer for recycling if available. **If Partly Filled:** Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

### IMPORTANT: READ BEFORE USE

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

**CONDITIONS:** The Directions for Use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of the product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use of application, all of which are beyond the control of Lawn and Garden Products, Inc. To the extent permitted by applicable law, all such risks shall be assumed by the user or buyer.

**DISCLAIMER OF WARRANTIES:** To the extent consistent with applicable law, Lawn and Garden Products, Inc. makes no other warranties, express or implied, of merchantability or of fitness for a particular purpose or otherwise, that extend beyond the statements made on this label. No agent of Lawn and Garden Products, Inc. is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. To the extent consistent with applicable law, Lawn and Garden Products, Inc. disclaims any liability whatsoever for special, incidental or consequential damages resulting from the use or handling of this product.

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