

Please read instructions on reverse before completing form.

Form Approved, OMB No. 2070-0060



United States  
Environmental Protection Agency  
Washington, DC 20460

<input type="checkbox"/>	Registration
<input type="checkbox"/>	Amendment
<input type="checkbox"/>	Other

OPP Identifier Number  
263474

Application for Pesticide - Section I

1. Company/Product Number 6218-71	2. EPA Product Manager AKIVA ABRAMOVITCH	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product Name YEAR ROUND SPRAY OIL	PM# 4	
5. Name and Address of Applicant (Include ZIP Code) SUMMIT CHEMICAL CO. 7657 MANTON CENTER DR. BALTIMORE, MD 21224 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3)(b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____	<b>NOTIFICATION</b>  MAR 16 2001
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.	
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.	

Explanation: Use additional page(s) if necessary. (For section I and Section II.)  
UNDER DIRECTIONS FOR USE HOSE END SPRAYER MIXING DIRECTIONS -  
We want to change 1 to 50 dilution to 1 to 100 dilution in the sentence. The attached sprayer is calibrated to deliver a 1 to 50 dilution.

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Metal	<input type="checkbox"/> Plastic
* Certification must be submitted		If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt	No. per container
				<input type="checkbox"/> Glass	<input type="checkbox"/> Paper
				<input type="checkbox"/> Other (Specify) _____	
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product		<input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled		<input type="checkbox"/> Other _____	

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name JONATHAN S. COHEN	Title VICE PRESIDENT	Telephone No. (Include Area Code) 410-282-5200
2. Signature <i>Jonathan S. Cohen</i>		3. Title VICE PRESIDENT
4. Typed Name JONATHAN S. COHEN		5. Date 2/07/01
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamped)

2 715

**YEAR-ROUND® SPRAY OIL**

**NOTIFICATION**

MAR 16 2001

Contains 3 Sub Labels of Different Application Instructions.

1. Directions for use Hose end sprayer.
2. Directions for use Dilution by ounces.
3. Directions for use dilution by tablespoon.

# Year-Round® Spray Oil

## Kills Garden Insects

**Without Synthetic Chemicals  
right through Harvest Day**

**KILLS: Whitefly, Aphids, Spider Mites,  
Mealybug, Scale, Mites, Thrips,  
Fungus Gnats & more.**

**USE ON: Fruits, Vegetables, Flowers,  
Ornamentals, Trees & Shrubs.**

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

See booklet for additional precautions.  
EPA Reg. No. 6218-71 EPA Est. No. 6218-MU-0  
ACTIVE INGREDIENT: Paraffinic Oil 98.8%  
INERT INGREDIENT: Emulsifier 1.2%  
\*Unlabeled Residue of Paraffinic Oil 92.0% M



**Summit®**  
...responsible solutions

**CAUTION: KEEP OUT OF REACH OF CHILDREN PRECAUTIONARY STATEMENTS**

**HAZARD TO HUMANS AND DOMESTIC ANIMALS.** Avoid contact with eyes, skin, and clothing. Additional precautionary statements are contained in this booklet. Harmful if swallowed. Avoid breathing of spray mists or vapors. Wash hand after using. Avoid contamination of feed or foodstuffs.

**FIRST AID**

- If Inhaled**
  - Move person to fresh air.
  - If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.
  - Call a poison control center or doctor for further treatment advice.
- If on skin or clothing**
  - Take off contaminated clothing.
  - Rinse skin immediately with plenty of water for 15-20 minutes.
  - Call poison control center or doctor for treatment advice.
- If in eyes**
  - Hold eye open and rinse slowly and gently with water for 15-20 minutes.
  - Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
  - Call a poison control center or doctor for treatment advice.
- If swallowed**
  - Call poison control center or doctor immediately for treatment advice.
  - Do not induce vomiting unless told to do so by the poison control center or doctor.
  - Do not give anything by mouth to an unconscious person.

**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 1-800-227-8664 for emergency medical treatment information.

**NOTE TO PHYSICIAN:** May pose an Aspiration pneumonia hazard.

**ENVIRONMENTAL HAZARDS:** This product is toxic to fish. Do not apply directly to water do not contaminate water when disposing of equipment washwaters. Apply this product only as specified on the label.

**STORAGE AND DISPOSAL**

Do not contaminate water, food, or feed by storage or disposal. **Storage:** Keep container tightly closed in storage to prevent entry of water or other contaminant's. Store in a cool, dry, locked area out of the reach of children. Do not store this product in direct sunlight for prolonged periods of time. This product should be stored in its original container only.

**Pesticide Disposal:** Security wrap original container in several layers of newspaper and discard in trash.

**Container Disposal:** Do not reuse container. Rinse thoroughly before discarding in trash.

**USE PRECAUTIONS**

Do not spray plants suffering from drought (moisture stress). Do not apply during periods of prolonged high temperature combined with high relative humidity. do not use this insecticide with dimethoate, herbicides or fungicides such as Captan Folpet, Dyrene Karathene, Morestan or any product containing sulfur. Do not use with Sevin 50W formulation (carbaryl) on deciduous fruit trees. Keep spray equipment used for these other products separate from the equipment used for this insecticide or make sure the sprayer is thoroughly cleaned so that no residue from these other products remain.

**DIRECTIONS FOR USE**

It is a violation of federal law to use this product in a manner inconsistent with it's labeling. Do not apply this product through any type of irrigation system.

**SUB LABEL 1 - DIRECTIONS FOR USE HOSE END SPRAYER**

**MIXING DIRECTIONS**

Make sure the spray equipment to be used is clean, dry and odor free. The attached sprayer is calibrated to deliver a 1 to 100 dilution.

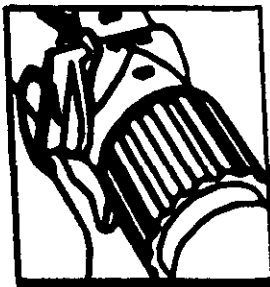
Hose-end convenient!  
Automatically mixes with water!  
No measuring or separate applicator!



1. Attached garden hose to spray nozzle and turn on water supply.



3. Point nozzle toward item to be sprayed and turn water control knob to "On" to automatically mix with water.



2. Ben safely tab down and turn control to "Water". Clear water will spray.



4. Hold bottle level. Use with average water pressure When finished spraying turn knob to off/closed position.

**APPLICATION INSTRUCTIONS**

- The best times to spray are early evening and early morning.
- The target pest and plant should be completely covered with the spray solution to be effective.
- Spray until leaves are wet to the point of run-off.
- Do not exceed the maximum rates or apply more often than recommended.
- Certain plants may be sensitive to oil. A small number of plants should be test sprayed prior to general spraying.
- Use caution on open blooms-bleaching and spotting have been observed on the open bloom of certain plants.
- May be used up to day of harvest.

Note: THIS PESTICIDE IS TO BE SOLD ONLY IN THIS ORIGINAL UNBROKEN CONTAINER.

**LIMITED WARRANTY AND LIABILITY**

This product conforms to the description and is suitable for the uses set forth on this label but is strictly limited to these uses solely as directed under the specified label condition, and only if purchased in the original unopened container. Seller disclaims any and all other warranties, express or implied, including but not limited to those relating to merchantability and fitness for particular purpose. Buyer and all users shall assume all risk, liability and damage if this product is used, stored, handled or applied other than as specifically set forth on this label. Seller's liability and buyer's or users remedies shall be limited to refund of the purchase price or replacement of the specific quantity involved. In no event shall seller be liable for special, incidental or consequential damages.

**TABLES 1A- FRUIT TREES**

CROP	PEST	TIME OF APPLICATION (Stage of Development)
Apples	Aphids (egg) / Apple Red Bug / Lites (eggs) including European Red Mse / Scale (hard, soft) Sourly Scale Fruit Tree Leaf Toller (eggs)	Dormant or Delayed Dormant to 1/2" Green.
	Mines	Summer (follar or cover) or Postharvest. Do not apply over fruit after waxy bloom forms.
Pears	European Red Mie (eggs) Pear Leaf Blister Mite (eggs) / Pear Psylla / Scale / Fruit Tree Leaf Roller (eggs)	Dormant or Delayed Dormant (up to and including including petal fall.
	Two-spotted Spider Mite / Brown Mite / Pear Rust Mite / Pear Leaf Blister Mite' / Pear Psylla	Summer (follar or cover) or Postharvest

**TABLE 1B - FRUIT & NUT TREES**

CROP	PEST	TIME OF APPLICATION (Stage of Development)
Almonds/ Apricots/ Cherries	Aphids (eggs) / Fruit Tree Leaf Roller (eggs) / Tent Caterpillars San Jose Scale	Dormant or Delayed Dormant
Almonds Apricots Cherries	Mites and Scales	Summer (follar or cover) or Postharvest-Application should not be made on oil sensitive varieties-Do not apply to trees lacking adequate moisture.

<b>Peaches</b>	Aphids (eggs) / Fruit Tree	Dormant or Delayed
<b>Nectarines</b>	Leaf Roller (eggs) / Mites (eggs) / Peach Twig Borer Hibemacules Cottony Peach Scale / San Jose Scale	Dormant
	Mites / Scales (immature)	Summer (foliar or cover) or Postharvest
<b>Plum</b>	Aphids (eggs) / Scales /	Dormant or Delayed
<b>Prune</b>	Leaf Roller (eggs) / Mites (eggs) / Peach Twig Borer hibmacules Cottony Peach Scale / San Jose Scale	Dormant
	Mites / Scales (immature)	Summer (foliar or cover) or Postharvest Do not apply over certain fresh market fruits after bloom starts to form as the oil spray will remove the waxy bloom. Application should not be made over oil sensitive varieties.
<b>Pecans</b>	Aphids (eggs) / Scales / Mites (eggs)	Dormant
	Aphids / Mites	Summer (foliar or cover) or Postharvest

**TABLE 1C - CITRUS TREES**

<b>CROP</b>	<b>PEST</b>	<b>COMMENTS</b>
<b>Lemon and Grapefruit</b>	Mites / Scales Including California Red Scale	For best result, spray during Fall, early Winter and Spring months when Red Scale are more easily controlled and trees are generally less reactive to oil. For all citrus oil sprays, ensure adequate moisture; leaves should not wilt before noon.
<b>Naval and Valencia Oranges other Citrus Varieties including non-bearing</b>	Mites including Rust Mites / Spider Mite Scales including Black Scale / California Red Scale / Whitefly and Blackfly / Soofy Mold	Oils applied after Oct. may increase cold damages trees. Oils applied in Aug. and Sept. may affect solids content and retard coloring



**TABLE 2 - CITRUS TREES**

<b>TREE OR PLANT</b>	<b>PEST</b>	<b>TIME OF APPLICATION</b>
<b>Shade Trees dormant and shrubs including Conifers, Deciduous Broadleaf Evergreens &amp; Woody Ornamentals, Ornamental Trees Shrubs including: Conifers, Deciduous and Broadleaf</b>	Aphids/ Adelgids/ Eriophyid Mites/ Gall Mites/ Lace bugs/ Leaf Beetle Larvae/ Leafminer	Winter Dormant Period as needed
	Mealybugs/ Psyllids (Immature)/ Sawfly Larvae/ Scales	Summer (Foliar or Cover) as needed.

Evergreens

(Immature) / Spider Mites/  
Whitefly\*\*

Flowering & Foliage Plants Including:  
Roses and other Flowering Shrubs  
Bedding Plants

Winter Dormant  
Period as needed.

Foliage Ornaments  
& Bedding Plants

Summer  
(Foliar or Cover) as needed.

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 towards sensitivity: Red Cedar and Douglas Fir. Do not spray walnut foliage.

\*\*Most effective on Whitefly during immature stages.

**CAUTION:** Up to 4 applications during the growing season are typically sufficient to control pests. Use a 2 week application interval. do not spray when buds have fully opened and shoot elongation is occurring.



**TABLE 3 - SMALL FRUITS**

CROP	PEST	TIME OF APPLICATION
Blueberries	Mites / Sawfly (eggs) / Scales	Dormant Summer.
Strawberries	Aphids / Mites	Dormant and Summer
Grapes	Mealybugs	Dormant - a tank mix with an insecticide. Improves control.

**TABLE 4 VEGETABLE**

Beans / Corn / Peppers / Squash / Tomatoes / Asparagus / Beets / Cabbage / Cauliflower / Cucurbits / Eggplant / Lettuce / Melons / Potatoes / Radishes	Aphids / Mites / Beetle Larvae / Leafminers / Thrip / Leafhopper / Whitefly	As needed.
--	---	------------

**TABLE 5 HOBBY GREENHOUSE**

CROP OR PLANT	PEST	SPECIFIC COMMENTS
Azaleas / Begonia / Camellia Chrysanthemum / Oleffenbacfia / Easter Lily / Fern / Gardenia / Geranium / Hibiscus Foliage/ Jade Plant / New Guinea Impatiens Palms / Philodendron / Poinsettia / Portulaca / Reiger Begonia / Zinnias	Aphids / Fungus Gnats / Leafminers / Mealybugs / Scales (soft & hard) Spider Mites / Thrips Whitefly** (Immature)	Do not use on Coconut Palms or Maidenhair Ferns  Chrysanthemum and Geranium Blooms have shown phytotoxicity at the 5 tablespoon rate.
Dioffenbachia / Poinsettias		Do not use on Poinsettia Bracts.



Leaf Polish for Hardy Plants

**FREQUENCY OF APPLICATION:** For the greenhouse pest listed, use once a week initially. As the pest is controlled, decrease the frequency to 2-3 weeks as needed.

Application safety during bloom period should be determined for each individual plant to be treated by conducting a small test.

\*\*Most effective on whiteflies during immature stages.

TABLE 6 - INTERIORSCAPES\*  
PEST

PLANT	PEST	SPECIFIC COMMENTS
Chrysanthemum / Dieffenbachia / Dracaema / Fern / Ficus / Gardenia / Jade Plant / Palm / Philodendron / Schefflera	Aphids / Leafminers / Mealybugs / Scales / Spider Mites / Whitefly	Do not apply to plants in direct sunlight behind glass.  Do not use on Coconut Palms and Maidenhair Ferns.

\*Most effective on Whitefly during immature stages.

Applicator should conduct a test for phytotoxicity by treating a few specimens before making a large scale application.

Protect floor, floor coverings and furnishings from overspray.

CAUTION: Do not exceed 3 consecutive applications without allowing a 2-week application interval.



SUBLABEL 2 - DIRECTIONS FOR USE  
DILUTION BY OUNCES

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 through anti type of irrigation system.

MIXING DIRECTIONS

Make sure the spray equipment to be used is clean dry and odor free.

1. Fill the spray tank or bottle 3/4 full water.
2. Shake the container of HORTICULTURAL SPRAY OIL vigorously prior to measuring out the desired amount. Add the appropriate amount of the insecticide to the water and shake.
3. Fill the remaining 1/4 of the spray tank or bottle with water and shake again. the solution should look milky. If it doesn't, do not use it.
4. during application shake the solution frequently. Do not apply to plants if the solution has been sitting for more than 10 minutes. shake it before resuming application.
5. Do not premix this insecticide. Mix just enough for the immediate use.
6. 2 tablespoons = 1 fluid ounce  
4 tablespoons = 1/4 cup = 2 fluid ounces

APPLICATION INSTRUCTIONS

- The best times to spray are early evening and early morning.
- The target pest and plant should be completely covered with the spray solution to be effective. Spray until leaves wet to the point of run off.
- Do not exceed the maximum rates or apply more often than recommended.
- Certain plants may be sensitive to oil. A small number of plants should be test sprayed prior to general spraying.
- Use caution on open blooms - bleaching and spotting have been observed on the open bloom of certain plants.
- May be used up to day of harvest.

Note: THIS PESTICIDE IS TO BE SOLD ONLY IN THIS ORIGINAL UNBROKEN CONTAINER

LIMITED WARRANTY AND LIABILITY This product conforms to the description and is suitable for the uses set forth on this label but is strictly limited to these uses solely as directed under the specified label condition, and only if purchased in the original unopened container. Seller disclaims any and all other warranties, express or implied, including but not limited to those relating merchantability and fitness for particular purpose. Buyer and all users shall

assume all risk, liability and damage if this product used, stored, handled or applied other than as specifically set forth on this label. Sellers liability and buyer's or user's remedies shall be limited to refund of the purchase price or replacement of the specific quantity involved. In no event shall seller be liable special, incidental or consequential damages.

TABLE 1A - FRUIT TREES

CROP	PEST	OUNCES PER GAL. OF WATER	TIME OF APPLICATION (Stage of Development)
Apples	Aphids (eggs) / Apple Red Bug / Mites (eggs) including European Red Mites / Scales (hard, soft) / Sourly Scale* / Fruit Tree Leaf Roller (eggs)*	2.5-3.75	Dormant or Delayed Dormant to 1/2" Green
	Mites	1.25	Summer (foliar or cover or Postharvest. Do not apply over fruit after waxy bloom forms.
Pears	European Red Mite (eggs) / Pear Leaf Blister Mite (eggs)* / Pear Psylla Scales / Fruit Tree Leaf Roller (eggs)*	2.5-3.75	Dormant or Delayed Dormant (up to and including petal fall)
	Two-spotted Spider Mite / Brown Mite / Pear Rust Mite / Pear Leaf Blister Mite* / Pear Psylla*	1.25-2.5	Summer (foliar or cover) or Postharvest

TABLE 1 B - FRUIT & NUT TREES

Almonds/ Apricots/ Cherries/	Aphids (eggs) / Fruit Tree Leaf Roller (eggs) / Tent Caterpillars / San Jose Scale	2.5-3.75	Dormant or delayed Dormant.
	Mites and Scales	1.25-2.0	Summer (foliar or cover) or Postharvest-Application should not be made on oil sensitive varieties-Do not apply to trees lacking adequate moisture.
Peaches / Nectarines	Aphids (eggs)* / Fruit Tree Leaf Roller (eggs) / Mites (eggs) / Peach Twig Borer (hibernacules) / Cottony Peach Scale / San Jose Scale	2.5-3.75	Dormant or Delayed Dormant.
	Mites / Scales (immature)	1.25-2.5	Summer (foliar or cover) or Postharvest.
Plum / Prune	Aphids (eggs) / Scales / Mites (eggs)	2.0-2.5	Dormant or Delayed Dormant to 1/2 green Tip.
	Mites / Scales	1.25-2.0	Summer (foliar or cover) or Postharvest. Do not apply over certain fresh market fruits after bloom starts to form as the oil spray will remove the waxy bloom. Application should not be made over oil sensitive varieties.



9 7 15

Pecans	Aphids (eggs) / Scales / Mites (eggs)	3.75	Dormant
	Aphids / Mites	1.25-2.0	Summer (foliar or cover) or Postharvest

\*use maximum rate specified

TABLE 1 C-CITRUS TREES

CROP	PEST	OUNCES PER GAL. OF WATER	COMMENTS
Lemon and Grapefruit	Mites / Scales including California Red Scale	1.25-2.0	For best results spray during Fall, early Winter and Spring months when Red Scale are more easily controlled and trees are generally less reactive to oil. For all citrus oil sprays, ensure adequate moisture, leaves should not wilt before noon.
Naval and Valencia Oranges, other Citrus Varieties including Non bearing	Mites including: Rust Mite / Spider Mite Scales including: Black Scale / California Red Scale / Whitefly and Blackfly / Sooty Mold	1.25-2.0	Oils applied after Oct., may increase cold damage to trees. Oils applied in Aug. and Sept. may affect solids content and retard coloring.

TABLE 2  
SHADE TREES, SHRUBS, ORNAMENTALS, FLOWER & FOLIAGE PLANTS, CONIFERS

TREE OR PLANT	PEST	OUNCES PER GAL. OF WATER	TIME OF APPLICATION
Shade Trees* dormant, and shrubs Conifers, Deciduous Broadleaf Evergreens & Woody Ornamentals, Ornamental Trees* Shrubs including: Conifers Deciduous and Broadleaf Evergreens	Aphids/adelgids/Eriophyid Mites / Gall Mites / Lace Bugs / Leaf Beetle Larvae / Leafminer	2.5-5.0	Winter Dormant including Period as needed
	Mealybugs/Psyllids (Immature)/ Sawfly Larvae / Scales (immature) / Spider Mites / Whitefly**	1.25-3.75	Summer (Foliar or Cover) as needed.
Flowering & Foliage Plants including: Roses and other Flowering Shrubs Bedding Plants		2.5-3.75	Winter Dormant Period as needed.
Foliage Ornamentals & Bedding Plants		1.25-2.5	Summer (Foliar or Cover) as needed.

\*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.

\*\*Most effective on Whitefly during immature stages.

**CAUTION:** Up to 4 applications during the growing season are typically sufficient to control pests. Use a 2 week application interval. Do not spray when buds have fully opened and shoot elongation is occurring. For fall dormant applications, reduce rate to 2.5 ounces per gallon and limit use only to: American Red Oak, Japanese Black Pine, Dogwood, Weeping Cherry, Cornelian Cherry, Crabapple, Norway Maple and Purple Leaf Plum.

TABLE 3-SMALL FRUITS

CROP	PEST	OUNCES PER GAL OF WATER	TIME OF APPLICATION
Blueberries	Mites / Sawfly (eggs) /	3.75	Dormant Summer
	Scales	2.5	
Strawberries	Aphids / Mdes	1.25	Dormant and Summer
Grapes	Mealybugs	1.25-2.5	Dormant-a tank mix with an insecticide improves control.

TABLE 4-VEGETABLES

Beans / Corn / Peppers / Squash / Tomatoes / Asparagus / Beets Cabbage / Cauliflower Cucurbits / Eggplant / Lettuce / Melons / Potatoes / Radishes	Aphids / Mites / Beetle Larvae / Leafminers / Thrip / Leafhopper / Whitefly	1.25-2.5	As needed
--	---	----------	-----------

TABLE 5-HOBBY GREENHOUSE

CROP OR PLANT	PEST	OUNCES PER GAL. OF WATER	SPECIFIC COMMENTS
Azaleas / Begonia / Camellia / Chrysanthemum / Oleffenbachia / Easter Lily / Fern / Gardenia / Geranium / Hibiscus Foliage / Jade Plant / New Guinea Impatiens / Palms / Philodendron / Poinsetia Portulaca / Reiger Begonia / Zinnias	Aphids / Fungus Gnats / Leafminers / Mealybugs / Scales (Soft & hard) / Spider Mites / Thrips Whitefly** (immature)	1.25-2.5	Do not use on Coconut Palms or Maidenhair Fern  Chrysanthemum and Geranium Blooms Have shown phytotoxicity at the 2.5 ounce rate.
Oleffenbachia / Poinsettias		1.25	Do not use on Poinsettia Bracts
Leaf Polish for Hardy Plants		1.25	

**FREQUENCY OF APPLICATION:** For the greenhouse pests listed, use once a week initially. As the pest is controlled decrease the frequency to 2-3 weeks as needed.

Application safety during bloom period should be determined for each individual plants to be treated by conducting a small test.

\*\*Most effective on whiteflies during immature stages.

TABLE 6-INTERIORSCAPES\*

PLANT	PEST	OUNCES PER GAL. OF WATER	SPECIFIC COMMENTS
-------	------	--------------------------	-------------------

11 2 15

Chrysanthemum / Dieffenbachi / Aphids / Leaf minens /  
Dracaena / Fern / Ficus / Gardenia / Meal bugs / Scales  
Jade Plant / Palm / Philodendron / Spider Mites / Whitefly\*  
Schefflera

1.25-2.5

Do not apply to plants in direct sunlight behind glass.  
Do not use on Coconut Palms and Maidenhair Ferns

Chrysanthemum blooms have shown phytotoxic symptoms at the higher rate.

\*Most effective on Whitefly during immature stages.

Applicator should conduct a test for phytotoxicity by treating a few specimens before making a large scale application.

Protect floor, floor coverings and furnishings from over spray.

CAUTION: Do not exceed 3 consecutive applications without allowing a 2-week application interval.

#### MISCELLANEOUS

**Figs:** Dormant or delayed dormant Fig Scale-Use 3.75 oz. in 1 gal water as a foliar spray, Mites, Mealybug, Scale-Use 2.5 oz. per 1 gal. water

**Olives:** Postbloom through August and postharvest: Scales-Use 2.0 oz. of spray oil per 1 gal water.

**Banana:** Use as needed to control Yellow Sigatoka Disease-Use 1.25-2.0 oz. of spray in 1 gal water. This application is also effective in loosening soofy mold fungus and in preventing its formation by the control of Aphids, Mealybugs, Scales and Whitefly.

**Easy Measure Bottle**

Peel Open for instructions.

- |   |                                  |                                   |                           |
|---|----------------------------------|-----------------------------------|---------------------------|
| 1. Tilt bottle-fill<br>Measuring section. | 2. Hold upright-<br>Check amount | 3. Tilt back to<br>adjust measure | 4. Remove cap<br>and pour |
|---|----------------------------------|-----------------------------------|---------------------------|

**SUB LABEL 3 DIRECTIONS FOR USE  
DILUTION BY TABLESPOON**

**DIRECTIONS FOR USE**

It is a violation of federal law to use this product in a manner inconsistent with it's labeling. Do not apply this product through any type of irrigation system.

**MIXING DIRECTIONS**

Make sure the spray equipment to be used is clean, dry and odor free.

1. Fill the spray tank or bottle 3/4 full with water.
2. Shake the container of HORTICULTURAL SPRAY OIL vigorously prior to measuring out the desired amount. Add the appropriate amount of the insecticide to the water and shake.
3. Fill the remaining 1/4 of the spray tank or bottle with water and shake again. The solution should look milky. If it doesn't do not use it.
4. During application shake the solution frequently. Do not apply to plants if the solution has been sitting for more than 10 minutes. Shake it before resuming application.
5. Do not premix this insecticide. Mix just enough for the immediate use.
6. 2 tablespoons = 1 fluid ounce  
4 tablespoons = 1/4 cup = 2 fluid ounces

**APPLICATION INSTRUCTIONS**

- The best time to spray are early evening and morning
- The target pest and plant should be completely covered with the spray solution to be effective.
- Do not exceed the maximum rates or apply more often than recommended.
- Certain plants may be sensitive to oil. A small number of plants should be test sprayed prior to general spraying.
- Use caution on open blooms - bleaching and spotting have been observed on the open bloom of certain plants.
- May be used up to day of harvest.

**Note: THIS PESTICIDE IS TO BE SOLD ONLY IN THIS ORIGINAL UNBROKEN CONTAINER.**

**LIMITED WARRANTY AND LIABILITY**

This product conforms to the description and is suitable for the uses set forth on this label but is strictly limited to these uses solely as directed under the specified label condition and only if purchased in the original unopened container. Seller disclaims any and all other warranties express or implied, including but not limited to those relating to merchantability and fitness for particular purpose. Buyer and all users shall assume all risk, liability and damage if this product is used, stored, handled or applied other than as specifically set forth on this label. Seller's liability and buyer's or user's remedies shall be limited to refund of the purchase price or replacement of the specific quantity involved. In no even shall seller be liable for special incidental or consequential damages.

TABLE 1A - FRUIT TREES

CROP	PEST	TBLS. PER GAL. OF WATER.	TIME OF APPLICATION (Stage of development)
Apples	Aphids (eggs) / Apple Red Bug / Mites (eggs) including European Red Mite / Scales (hard, soft) / Sourly Scale* / Fruit Tree Leaf Roller (eggs)*	5.0-7.5	Dormant or Delayed Dormant to 1/2" Green.
	Mites	2.5	Summer (foliar or cover) or Postharvest Do not apply over fruit after waxy bloom forms.
Pears	European Red Mite (eggs) / Pear Leaf Blister Mite (eggs)* / Pear Psylla / Scales / Fruit Tree Leaf Roller (eggs)*	5.0-7.5	Dormant or Delayed Dormant (up to and including petal fall)
	Two-spotted Spider Mite / Brown Mite / Pear Rust Mite / Pear Leaf Blister Mite* / Pear Psylla*	2.5-5.0	Summer (foliar or cover) or Postharvest

TABLE 1B - FRUIT & NUT TREES

Almonds / Apricots / Cherries	Aphids (eggs) / Fruit Tree Leaf Roller (eggs) / Tent Caterpillars / San Jose Scale	5.0-7.5	Dormant or delayed Dormant
Almonds / Apricots / Cherries	Mites and Scales	2.5-4.0	Summer (foliar or cover) or Postharvest - Application should not be made on oil sensitive varieties - Do not apply to trees lacking adequate moisture.
Peaches / Nectarines	Aphids (eggs)* / Fruit Tree Leaf Roller (eggs) / Mites (eggs) / Peach Twig Borer (hibernacules) / Cottony Peach Scale / San Jose Scale	5.0-7.5	Dormant or Delayed Dormant
	Mites / Scale (immature)	2.5-5.0	summer (foliar or cover) or Postharvest
Plum / Prune	Aphids (eggs) / Scales / Mites (eggs)	4.0-5.0	Dormant or Delayed Dormant to 1/2" green Tip
	Mites / Scales	2.5-4.0	Summer (foliar or cover) or Postharvest Do not apply over certain fresh market fruits after bloom starts to form as the oil spray will remove the waxy bloom. Application should not be made over oil sensitive varieties.
Pecans	Aphids (eggs) / Scales / Mites (eggs)	7.5	Dormant
	Aphids / Mites	2.5-4.0	Summer (foliar or cover) or Postharvest

\*Use maximum rate specified

TABLE 1C - CITRUS TREES

CROP	PEST	TBLS. PER GAL. OF WATER.	COMMENTS
Lemon and Grapefruit	Mites / Scales including California Red Scale	2.5-4.0	For best results, spray during Fall early Winter and Spring months when Red Scale are more easily controlled and trees are generally less reactive to oil. For all citrus oil sprays, ensure adequate moisture: leaves should not wilt before noon.
Naval and Valencia Oranges other Citrus varieties including Non-bearing	Mites including: Rust Mite / Spider Mite Scale including Black Scale / California Red Scale / Whitefly and Blackfly / Sooty Mold	2.5-4.0	Oils applied after Oct. may increase cold damage to trees. Oil applied in Aug. and Sept. may affect solids content and retard coloring.



TABLE 2  
SHADE TREES, SHRUBS, ORNAMENTALS, FLOWER & FOLIAGE PLANTS, CONIFERS

TREE OR PLANT	PEST	TBLS PER GAL.	TIME OF APPLICATION
Shade Trees* dormant and shrubs including: Conifers, Deciduous Broadleaf Evergreens & Woody Ornamentals, Ornamental Trees*	Aphids / Adelgids / Eriophyid Mites / Gall Mites / Lace Bugs / Leaf Beetle Larvae / Leafminer	5-10	Winter Dormant Period as needed.
Shrubs including: Conifers, Deciduous and Broadleaf Evergreens	Mealybugs / Psyllids (immature) Sawfly Larvae / Scales (immature) / Spider Mites / Whitefly*	2.5-7.5	Summer (Foliar or Cover) as needed.
Flowering & Foliage Plants including: Roses and other Flowering Shrubs Bedding Plants		5.0-7.5	Winter Dormant Period as needed
Foliage Ornamentals & Bedding Plants		2.5-5.0	Summer (Foliar or Cover) as needed.

\*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 Spruce Tendency toward sensitivity: Red Cedar and Douglas Fir. Do not spray walnut foliage.

\*\*Most effective on Whitefly during immature stages.

**CAUTION:** Up to 4 applications during the growing season are typically sufficient to control pests. Use a 2 week application interval. Do not spray when buds have fully opened and shoot elongation is occurring. For fall dormant applications, reduce rate to 5 tablespoons per gallon and limit use only to: American Red Oak, Japanese Black Pine, Dogwood, Weeping Cherry, Cornelian Cherry, Crabapple, Norway Maple, and Purple Leaf Plum.

TABLE 3 - SMALL FRUITS

CROP	PEST	TBLS. PER GAL. OF WATER	TIME OF APPLICATION
Blueberries	Mites / Sawfly (eggs) /	7.5	Dormant
	Scales	5.0	Summer
Strawberries	Aphids	2.5	Dormant - a tank mix with an insecticide improves control.

TABLE 4 - VEGETABLES

Beans / Corn / Peppers / Squash / Tomatoes / Asparagus / Beets Cabbage / Cauliflower / Cucurbits / Eggplant / Lettuce / Melons / Potatoes / Radishes	Aphids / Mites / Beetle Larvae / Leafminers / Thrip / Leafhopper / Whitefly	2.5-5.0	As needed
--	---	---------	-----------



TABLE 5 - HOBBY GREENHOUSE

CROP OR PLANT	PEST	TBLS. PER GAL. OF WATER	SPECIFIC COMMENTS
Azaleas / Begonia / Camelia Chrysanthemum / Oleffenbachia / Easter Lily / Fern / Gardenia / Geranium / Hibiscus Foliage / Jade Plant / New Guinea Impatiens / Palms / Philodendron / Poinsettia / Portulaca / Reiger begonia / Zinnias	Aphids / Fungus Gnats / Leafminers / Mealybugs / Scales (soft & hard) / Spider Mites / Thrips Whitely** (immature)	2.5-5.0	Do not use on Coconut Palms or Maidenhair Ferns.  Chrysanthemum and Geranium Blooms Have shown phytotoxicity at the 5 tablespoon rate.
Dieffenbachia / Poinsettias		2.5	Do not use on Poinsettia Bracts
Leaf Polish for Hardy Plants		2.5	

**FREQUENCY OF APPLICATION.** For the greenhouse pests listed, use once a week initially. as th pest is controlled, decrease the frequency to 2-3 weeks as needed.

Application safety during bloom period should be determined for each individual plant to be treated by conducting a small test.

\*\*Most effective on whiteflies during immature stages.



TABLE 6 - INTERIORSCAPES\*

PLANT	PEST	TBLS. PER GAL. OF WATER	SPECIFIC COMMENTS
Chrysanthemum / Dieffenbachia / Dracaena / Fern / Ficus / Gardenia /	Aphids / Leafminers / Mealybugs / Scales /	2.5-5.0	Do not apply to plants in direct sunlight behind glass