



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

August 11, 2023

Nancy Wright  
Product Development Specialist  
HollyFrontier Refining and Marketing LLC  
401 Plymouth Road, Suite 350  
Plymouth Meeting, PA 19462

Subject: Registration Review Label Mitigation for Aliphatic Solvents  
Product Name: SUNSPRAY ULTRA-FINE YEAR-ROUND PESTICIDAL OIL  
EPA Registration Number: 86330-13  
Application Date: 5/28/2020  
Decision Number: 563344

Dear Nancy Wright:

The Agency, in accordance with the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, has completed reviewing all the information submitted with your application to support the Registration Review of the above referenced product in connection with the Aliphatic Solvents Interim Decision, and has concluded that your submission is acceptable. The label referred to above, submitted in connection with registration under FIFRA, as amended, is acceptable.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide, Fungicide, and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance Assurance.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 12 months from the date of this letter. After 12 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently

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approved labeling. “To distribute or sell” is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

If you have any questions about this letter, please contact Quinn Gavin at [gavin.quinn@epa.gov](mailto:gavin.quinn@epa.gov).

Sincerely,

A handwritten signature in blue ink, appearing to read "Linda Arrington", with a long horizontal flourish extending to the right.

Linda Arrington, Branch Chief  
Risk Management and Implementation Branch 4  
Pesticide Re-Evaluation Division  
Office of Pesticide Programs

Enclosure

SunSpray®	
<b>Ultra-Fine</b> ®**	
YEAR-ROUND***PESTICIDAL OIL	UPC CODE AREA <b>0 71536 00760 3</b>
For Residential Use Only	
A superior horticultural spray oil for Insect and mite pest management	

<b>Active Ingredient: Mineral Oil*</b> .....	<b>98.8 wt%</b>
<b>Other Ingredient: Emulsifier</b> .....	<b>1.2 wt%</b>
<b>Total</b> .....	<b>100.0%</b>
<i>*Contains petroleum distillates</i>	

For dormant and growing season applications.

Makes up to 100 gallons (for a gallon)

Makes up to 25 gallons (for a quart)

Makes up to 12 gallons (for a pint)

Effectively kills insects year-round

A superior horticultural spray oil

This product controls Adelgids, Aphids, Lace Bugs, leafhoppers, Leafminers (larvae), Mealybugs, Mites, Plant Bugs, Psyllids, Sawfly larvae, Scales, Thrips, Whitefly and eggs of Aphids, Mites and hairless caterpillars on landscape, trees, plants, shrubs and flowering plants, houseplants, vegetables, fruit and nut trees, and home greenhouse plants. This product can be applied up to harvest.

Ultra-Fine is a concentrate and must be mixed with water according to the mixing directions inside.

Follow the specified dilution rate for the particular plant and pest being sprayed. This quart makes up to 25 gallons of spray when diluted with water.

*Additional information contained inside booklet on application, precautionary statements, storage and disposal.*

**READ DIRECTIONS THOROUGHLY BEFORE USING. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, MANUFACTURER AND SELLER WILL NOT ACCEPT LIABILITY FOR DAMAGE OR INJURY RESULTING FROM MISUSE OF THIS PRODUCT.**

\*\*The expression "Ultra-Fine®" pertains only to the narrow 10&-90% distillation range of the oil used in this product.

\*\*\* The expression "Year-Round" means that this product may be used at any time of year, provided that the user adheres to the temperature and humidity restrictions stated in the attached booklet labeling.

## CAUTION:

**KEEP OUT OF REACH OF CHILDREN**

EPA Registration No. 86330-13

EPA Establishment No. 86330-OK-1

Net Contents: 1 Quart

Batch/Lot #

#13 SS-5209 022812 052820 (ID and Update)

**ACCEPTED**

Aug 11, 2023

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 86330-13

## PRECAUTIONARY STATEMENTS

### Hazards to Humans and Domestic Animals

**CAUTION:** Harmful if absorbed through skin, swallowed or inhaled. Avoid contact with eyes, skin or clothing. Avoid breathing spray mist. Remove and wash contaminated clothing before reuse. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Wear long –sleeved shirt, long pants, shoes, socks, and chemical-resistant gloves made of Barrier Laminate, Nitrile Rubber  $\geq$  14 mils, Neoprene Rubber  $\geq$  14 mils, or Viton  $\geq$  14 mils.

### USER SAFETY RECOMMENDATIONS

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.

### FIRST AID

#### If on skin or clothing:

Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

**If swallowed:** Call a poison control center or doctor immediately for treatment advice.

DO NOT INDUCE VOMITING unless told to do so by a poison control center or doctor.

Do not give **any** liquid to the person.

Do not give anything by mouth to an unconscious person.

**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 inhaled:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

### 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 1-918-594-6000 for emergency medical treatment information 24/7, or a poison control center at 1-800-222-1222.

### NOTE TO PHYSICIAN

Contains petroleum distillates. Vomiting may cause aspiration pneumonia. Aspiration may occur after swallowing or vomiting and results in serious, and sometimes delayed, lung injury.

**ENVIRONMENTAL HAZARDS**

This product is toxic to aquatic invertebrates. 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 wash water or rinsate. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. Avoid drift or run off into storm drains, drainage ditches, or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to maximize the chances that wind, rain does not blow, or wash pesticides off the treatment area. Rinsing application equipment over the treated area will help avoid run off to water bodies or drainage systems.

**STORAGE AND DISPOSAL**

Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited.

**Pesticide Storage:** Keep oil container tightly closed in storage to prevent entry of water or other contaminants.

Store in a cool dry, locked area out of the reach of children or pets. Do not store this product in direct sunlight for prolonged periods of time. This product should be stored in its original container only.

**Container Handling:**

Disposal: Nonrefillable container. Do not reuse or refill this container.

If empty: 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.

**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 those uses solely as directed under the specified label conditions, and only if purchased in the original unopened container.

**TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, MANUFACTURER AND SELLER DISCLAIM ANY AND ALL WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO WARRANTIES OF MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSE** (except as specified on this label). 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 for on the label. **TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, LIABILITY OF MANUFACTURER AND SELLER AND USER'S REMEDIES SHALL BE LIMITED TO REFUND OF THE PURCHASE PRICE OR REPLACEMENT OF THE SPECIFIC QUANTITY INVOLVED. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, IN NO EVENT SHALL MANUFACTURER OR SELLER BE LIABLE FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES.**

**NOTE: This pesticide is to be sold ONLY in this original unopened container.**

## **DIRECTIONS FOR USE**

It is a violation of federal law to use this product in a manner inconsistent with its labeling.

This product may only be used in residential home and garden areas. Do not apply this product by air or through any type of irrigation system.

Do not apply this product in a way that will contact adults, children, or pets, either directly or through drift.

Do not enter or allow others to enter treated areas until sprays have dried.

### **SPRAY DRIFT ADVISORIES**

**THE APPLICATOR IS RESPONSIBLE FOR AVOIDING OFF-SITE SPRAY DRIFT. BE AWARE OF NEARBY NON-TARGET SITES AND ENVIRONMENTAL CONDITIONS.**

#### **Handheld Technology Applications**

- Take precautions to minimize spray drift.

#### **TEMPERATURE AND HUMIDITY**

- When making application in hot and dry conditions, use larger droplets to reduce effects of evaporation.

#### **WIND**

- Drift potential generally increases with wind speed.
- AVOID APPLICATIONS DURING GUSTY WIND CONDITIONS.
- Applicator need to be familiar with local wind patterns and terrain that could affect spray drift.

## **USE PRECAUTIONS**

Keep the oil container tightly closed in storage to prevent entry of water. All horticultural oils interfere with or slow plant transpiration and respiration during the period on evaporation. **Therefore, do not spray plants under stress (i.e., drought, disease) and do not apply during periods of prolonged high temperature (above 90 degrees F) combined with high relative humidity (above 90%).**

Do not tank-mix with any fungicides or herbicides. The following guidelines must be followed:

Do not tank-mix with any insecticide or miticide whose label indicates that it should not be used with oil.

Read and follow all directions and restrictions on the labels of the proposed tank-mix products. SunSpray Ultra-Fine should not be combined with more than one additional pesticide. Use caution and read all labels thoroughly when using any insecticides or miticides in combination with SunSpray Ultra-Fine.

Always conduct a test spray for plant sensitivity prior to making a full scale application.

The following list of pesticides represents some of the components and their common names that should not be used with SunSpray Ultra-Fine, however this list is not exhaustive: captan (Captan), cyprex (Dodine), chlorothalonil (Bravo), dimethoate (Cygon), folpet (Folpet), propargite (Omite), lime sulfur, wettable sulfur or any other product containing sulfur. Keep spray equipment used for these other products separate from the equipment used for SunSpray Ultra-Fine or make sure the sprayer is

thoroughly cleansed so that no residue from these other products remain. Do not use with Sevin 50W formulation (Carbaryl) on deciduous fruit trees.

### **MIXING INSTRUCTIONS**

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

1. Fill the spray tank or bottle  $\frac{3}{4}$  full with water.
2. **SHAKE THE CONTAINER OF SUNSPRAY ULTRA-FINE VIGOROUSLY PRIOR TO MEASURING OUT THE DESIRED AMOUNT.** Add the appropriate amount of SunSpray Ultra-Fine to the water and shake.
3. Fill the remaining  $\frac{1}{4}$  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 without shaking it before resuming application.
5. Do not premix SunSpray Ultra-Fine and water. Mix just enough for the immediate use. .
6. 2 tablespoons = 1 fluid ounces  
4 tablespoons =  $\frac{1}{4}$  cup = 2 fluid ounces.

### **APPLICATION INSTRUCTIONS**

- The best times to spray are early evening and early morning.
- To be effective, the spray solution must completely cover the targeted pest and plant.
- Do not exceed the maximum rates or apply more often than specified in this booklet.
- Some plant species are 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 some types of plants.
- This product may be used up to day of harvest.
- The effectiveness of Ultra-Fine may be reduced if prolonged temperature below 50°F are experienced. This is due to the reduced respiration rate of the insect at these lower temperatures.
- Protect painted surfaces, carpet and furnishings from overspray. May cause discoloration.

### **DIRECTIONS FOR APPLYING WITH HOSE-END SPRAYER PROVIDED WITH PURCHASE**

**These directions apply only to the hose end sprayer that is given away with the purchase.** When a hose end sprayer is given away with the purchase of SunSpray Ultra-Fine Year-Round Pesticidal Oil, follow the instructions below:

1. Turn valve switch located on top of hose end sprayer to the **OFF** position, perpendicular (right angle) to water flow.
2. Attach longer end of hose end nozzle onto water hose.
3. Remove product cap and save.
4. Place dip tube into bottle of product so flange rests on neck of the bottle.
5. Then screw bottle to the applicator until tight.

6. When ready to spray; point applicator away from face.
7. Turn on water supply at spigot.
8. Turn valve switch to the **ON** position, parallel to water flow.
9. When spraying is complete, turn valve switch to the **OFF** position.
10. Turn off water supply at spigot.
11. Remove sprayer from hose end bottle.
12. Leave dip tube and flange in bottle, and replace cap on bottle.
13. Rinse sprayer and let air dry prior to storage.
14. If bottle is empty, discard bottle and sprayer (See back panel for **Storage and Disposal** Instructions for insecticide).

## **IMPORTANT**

Do not use this attachment in home greenhouses or on houseplants. For use only when application rates are between 2.5 and 5.0 tbsps. oil/1 gallon water. For all other application rates, refer to the tables, 1, 3, 4, 5A, 5B and 5C section for tank-and bottle-mixing.

Due to the force of the spray solution stream, use care when applying to delicate plants.

Do not empty the entire bottle of Ultra-Fine on one plant. Apply to runoff (i.e.: until plant is thoroughly saturated and spray solution runs off plant). Do not re-apply during a single application (i.e.: once runoff has occurred, do not come back and re-spray it).

Do not use attachment if it is chipped, bent or damaged.

This attachment is intended for use only with this bottle of Ultra-Fine. Discard the attachment after this bottle has been emptied.

## **DIRECTIONS FOR APPLYING WITH K-1 HOSE-END SPRAYER**

**This hose end sprayer should only be used with SunSpray Ultra-Fine Year-Round Pesticidal Oil. Use of this sprayer with other pesticides may lead to plant damage due to product incompatibility.**

### **Directions for Use with K-1 Hose End Sprayer**

1. Shake well before using.
2. Make sure control lever located on the side of the hose end sprayer is in the **OFF** position.
3. If the sprayer is not in the **OFF** position, bend safety tab down to the right and turn control lever to the **OFF** position.
4. Once the control lever is in the **OFF** position, attach the hose end sprayer to the water hose.
5. Turn on water supply at the spigot.
6. Turn the control lever on the **ON** position. To do this bend the safety tab down to the right and turn the control lever until it lines up with the word: **ON**.
7. When spraying is complete, turn control lever to the **OFF** position as directed in step 3.
8. Turn off water supply at spigot.
9. If bottle is empty discard bottle as per the instructions on the back panel (see Storage and Disposal instructions for insecticides).
10. The sprayer and dip-tube may be cleaned and saved for future use with another Ultra-Fine purchase. This hose end attachment should only be used with SunSpray Ultra-Fine Year-Round Pesticidal Oil. Use of this sprayer with other pesticides may lead to plant damage as a result of product incompatibility.



**NOTE:** The sprayer may be used to just spray water. To only spray water follow steps 1-5 and then turn the control lever to the **WATER** position. Once watering is completed, continue with steps 7-10. No SunSpray Ultra-Fine Year-Round Pesticidal Oil should be expelled when the control lever is in the **WATER** position. This water spray is an option provided to the user to water plants that are not currently being sprayed with the Ultra-Fine product for pest control.

Do not water plants that are to be sprayed with Ultra-Fine directly before, after or during the intended spray time interval.

### **IMPORTANT**

Do not use this attachment in home greenhouses or on houseplants. For use only when application rates are between 2.5 and 5.0 tbsps. oil/1 gallon water. For all other application rates, refer back to the tables 1, 3, 4, 5A, 5B, 5C for tank- and bottle-mixing.

Due to the force of the spray solution stream, use care when applying to delicate plants.

Do not empty the entire bottle of Ultra-Fine on one plant. Apply to runoff (i.e.: until plant is thoroughly saturated and spray solution runs off plant). Do not re-apply during a single application (i.e.: once runoff has occurred, do not come back and re-spray it).

Do not use attachment if it is chipped, bent or damaged.

**TABLE 1 – HOME LANDSCAPE**

**(Shade Trees, Shrubs, Ornamentals, Flower and Foliage Plants)**

TREE OR PLANT	PEST	APPLICATION RATE Tablespoons of Ultra-Fine per 1 Gallon Water	TIME OF APPLICATION
<b>Shade Trees* and Shrubs including Conifers, Deciduous Broadleaf Evergreens &amp; Woody Ornamentals</b>	Aphids Adelgids Eriophyid Mites Gall Mites Honeylocust Plant Bug	5.0 – 7.5	Winter Dormant Period
<b>Ornamental Trees*, Shrubs including Conifers, Deciduous and Broadleaf Evergreens</b>	Lace Bug Leaf Beetle Larvae Leafminer Leafroller	2.5 – 5.0	Summer (Foliar or Cover)
<b>Flowering and Foliage plants including Roses and other Flowering Shrubs</b>	Mealybug Psyllids (immature) Sawfly Larvae	5.0 – 7.5	Winter Dormant Period
<b>Foliage Ornamentals &amp; Bedding plants</b>	Scales (immature) Spider Mites Webworms Whitefly	2.5 – 5.0	Summer (Foliar or Cover)

- 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, Chamaecypris, Juniper, Japanese Holly and Spruce. Tendency towards sensitivity: Red Cedar and Douglas Fir. Do not spray when buds have fully opened and shoot elongation is occurring. Do not spray Walnut foliage.

**NOTE:** Up to 4 applications during the growing season are typically sufficient to control pests. Use a 2 week minimum application interval. 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, Purple Leaf Plum.

### Powdery Mildew Control on Ornamentals

Apply a rate of 2.5 - 5.0 tablespoons Ultra-Fine per 1 gallon water from midsummer to early fall every 2-4 weeks to zinnia, lilac, azalea, monarda, phlox, helianthemum and aster. If application to other woody or herbaceous ornamental plants is desired, conduct a small-scale test on specific plants that are to be treated to check for sensitivity to the oil treatment. Ultra-Fine is not effective if the plant canopy is extremely dense because adequate spray coverage is difficult to attain. Greenhouse applications should be at the 2.5-tablespoon rate and a test spray should be conducted due to increased sensitivity of greenhouse grown plants.

**TABLE 2 – HOUSEPLANTS**

PLANT	PEST	APPLICATION RATE Tablespoons of Ultra-Fine per 1 Gallon Water	COMMENTS
<b>DIEFFENBACKIA</b> <b>DRACAENA</b> <b>FERNS</b> <b>PALMS</b> <b>SCHEFFLERAS</b>	Aphids Leafminer Mealybugs Scales Spider Mites	2.5	Do not apply to plants in direct sunlight behind glass.  Due to varietal differences in response to a treatment of Ultra-Fine at the specified rates, conduct a small test on 1 or 2 plants of the specific variety to be treated.
<b>CHRYSANTHEMUM</b> <b>GARDENIAS</b> <b>JADE PLANT</b> <b>PHILODENDRON</b>	Whitefly	2.5 – 5.0	

**Protect floor, floor coverings and furnishings from overspray.**

**NOTE:** Do Not exceed 3 consecutive applications without allowing a two week application interval.

**TABLE 3 – VEGETABLES OUTDOOR AND HOME GREENHOUSE**

VEGETABLE	PEST	APPLICATION RATE Tablespoons of Ultra-Fine per 1 Gallon Water	TIME OF APPLICATION
<b>ASPARAGUS</b> <b>BEANS</b> <b>BEETS</b> <b>CABBAGE</b> <b>CAULIFLOWER</b> <b>(OTHER COLE CROPS)</b> <b>CORN</b> <b>COCURBITS</b> <b>EGGPLANT</b> <b>LETTUCE</b> <b>MELONS</b> <b>PEPPERS</b> <b>POTATOES</b> <b>RADISHES</b> <b>SQUASH</b> <b>SWEET POTATOES</b> <b>TOMATOES</b> <b>HERB AND SPICES</b> <b>CURLY LEAF BASIL</b> <b>LEMON BALM</b> <b>MEXICAN OREGANO</b> <b>SPEARMINT</b>	Aphids Mites Beetle Larvae Leafminers Leafhopper Whitefly Thrips	2.5 – 5.0	Do not exceed 4 applications in a growing season. Apply at intervals of at least 2 weeks.

**Disease Control for Vegetables**

Apply a rate of 2.5 to 5.0 tablespoons Ultra-Fine per 1 gallon water to control powdery mildew on cucurbits, melons and squash; gummy stem blight and Alternaria leaf blight on melons. Application should be made when the disease is first noticed, and continue on a weekly basis on both the upper and lower leaf surfaces. If application to other vegetables listed above is desired, conduct a small-scale test spray. Greenhouse applications should be at the 2.5-tablespoon rate.

**TABLE 4 – SMALL FRUITS**

SMALL FRUIT	PEST	APPLICATION RATE Tablespoons of Ultra-Fine per 1 Gallon Water	TIME OF APPLICATION
<b>BLUEBERRIES</b>	Mites	7.5	Dormant.
	Sawfly (eggs) Scales	5.0	Summer.
<b>STRAWBERRIES</b>	Aphids Mites	2.5	Dormant and Summer.
<b>GRAPES</b>	Mealybugs	2.5 – 5.0	Dormant.
	Mites	5.0	Buds swell or shoot growth of 5-7 cm in spring.
	Mites	5.0	Postharvest

Grape vines should be vigorous and supplied with ample water prior to application. No sensitivity to Ultra-Fine treatments have been seen on the following grape varieties; Cabernet, Merlot, Chardonnay and Ribier. Variety sensitivity may be observed per growing condition; test spray first.

**TABLE 5A – FRUIT TREES**

FRUIT	PEST	APPLICATION RATE Tablespoons of Ultra-Fine per 1 Gallon Water	TIME OF APPLICATION (STAGE OF DEVELOPMENT)
<b>APPLES</b>	Aphids (eggs) Apple Red Bug Mites (eggs) including European Red Mite Scales (hard and soft) Scurfy Scale* Fruit Tree Leaf Roller (eggs)*	5.0 – 7.5	Dormant or Delayed Dormant to ½” Green
	Mites	2.5	Summer (Foliar or Cover) or Postharvest. Do not apply over fruit after waxy bloom forms.
<b>PEARS</b>	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.

\*Use maximum rate specified

**TABLE 5B – FRUIT & NUT TREES**

<b>FRUIT AND NUTS</b>	<b>PEST</b>	<b>APPLICATION RATE</b> Tablespoons of Ultra-Fine per 1 Gallon Water	<b>TIME OF APPLICATION</b> (STAGE OF DEVELOPMENT)
<b>ALMONDS</b> <b>APRICOTS</b> <b>CHERRIES</b>	Aphids (eggs) Fruit Tree Leaf Roller (eggs)* Tent Caterpillars San Jose Scale	5.0 – 7.5	Dormant or Delayed Dormant.
	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.
<b>PEACHES</b> <b>NECTARINES</b>	Aphids (eggs) Fruit Tree Leaf Roller (eggs)* Mites (eggs) Cottony Peach Scale San Jose Scale	5.0 – 7.5	Dormant or delayed Dormant.
	Mites Scales (immature)	2.5 – 5.0	Summer (Foliar or Cover) or Postharvest.

\*Use maximum rate specified

**TAPLUMBLE 5B – FRUIT AND NUT TREES (continued)**

<b>FRUIT AND NUTS</b>	<b>PEST</b>	<b>APPLICATION RATE</b> Tablespoons of Ultra-Fine per 1 Gallon Water	<b>TIME OF APPLICATION</b> (STAGE OF DEVELOPMENT)
<b>PLUMS</b> <b>PRUNES</b>	Aphids (eggs) Scales Mites (eggs)	4.0 – 5.0	Dormant or Delayed Dormant to ½" Green Tip.
	Mites Scales	2.5 – 4.0	Summer (Foliar or Cover) 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)	7.5	Dormant.

**TABLE 5C – CITRUS TREES**

CITRUS	PEST	APPLICATION RATE Tablespoons of Ultra-Fine per 1 Gallon Water	COMMENTS
LEMON* GRAPEFRUIT	Mites Scales including California Red Scale	2.5 – 4.0	For best results, spray during Fall, early Winter & 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.
NAVEL & VALENCIA ORANGES OTHER CITRUS VARIETIES INCLUDING NON-BEARING*	Mites including Rust Mites Spider Mites Scales including Black Scale California Red Scale Whitefly & Blackfly Sooty Mold	2.5 – 4.0	Oils applied after Oct. may increase cold damage to trees. Oils applied in Aug. and Sept. may affect solids content and retard coloring.

**TABLE 6 – HOME GREENHOUSE**

PLANT	PEST	APPLICATION RATE Tablespoons of Ultra-Fine per 1 Gallon Water	SPECIFIC COMMENTS
AGERATUMM CROWN OF THORNS DIEFFENBACHIA FERNs FICUS LISIANTHUS ORCHID PALMS PETUNIA POINSETTIAS SCHEFFLERA SUNFLOWER	Aphids Fungus Gnat Leafminers Mealybugs Scales (soft and hard) Spider Mites Whitefly	2.5	Due to varietal differences in response to a treatment of Ultra-Fine at the specified rate, conduct a small test on 1 or 2 plants of the specific variety to be treated.  <b>Frequency of Application:</b> For the greenhouse pests listed, use once a week initially, then as the pest is controlled, decrease the frequency to every 2-3 weeks as needed. Do not use on Poinsettia bracts.

Some plants are more sensitive to oil treatments if any of the following conditions are present when application is made:

- High humidity (> 74%)
- An overcast or cloudy day
- Inadequate air flow
- A small greenhouse where the sunlight is magnified causing a fast build-up of temperature and light intensity.

**TABLE 6 – HOME GREENHOUSE (continued)**

PLANT	PEST	APPLICATION RATE Tablespoons of Ultra-Fine per 1 Gallon Water	SPECIFIC COMMENTS
<b>AGLAONEMA</b> <b>ASTER</b> <b>AZALEAS</b> <b>BEGONIAS</b> <b>BROWALLIA</b> <b>CAMELLIAS</b> <b>CARNATION</b> <b>CELOSIA</b> <b>CHRYSANTHEMUM</b> <b>COLEUS</b> <b>COSMOS</b> <b>DUSTY MILLER</b> <b>EASTER LILIES</b> <b>GARDENIAS</b> <b>GERBERA</b> <b>HELLICHRYSUM</b> <b>HIBISCUS FOLIAGE</b> <b>HYDRANGEA</b> <b>JADE PLANT</b> <b>NEW GUINEA</b> <b>IMPATIENS</b> <b>NICOTONIA</b> <b>PHILODENDRON</b> <b>PORTULACA</b> <b>REIGOR BEGONIAS</b> <b>SNAPDRAGON</b> <b>MARIGOLD</b> <b>ZINNIAS</b>	Aphids Fungus Gnat Leafminers Mealybugs Scales (soft and hard) Spider Mites Whitefly	2.5 – 5.0	Due to varietal differences in response to a treatment of Ultra-Fine at the specified rate, conduct a small test on 1 or 2 plants of the specific variety to be treated.  <b>Frequency of Application:</b> For the greenhouse pests listed, use once a week initially, then as the pest is controlled, decrease the frequency to every 2-3 weeks as needed.



BASE LABEL

For Residential Use Only  
A superior horticultural spray oil for insect and mite pest management.

Active Ingredient: Mineral Oil* .....	98.8 wt%
Other Ingredient Emulsifier.....	1.2 wt%
Total.....	100.0%
<b>CAUTION: KEEP OUT OF REACH OF CHILDREN</b>	

\* Contains petroleum distillates

**PRECAUTIONARY STATEMENTS**

**Hazards to Humans and Domestic Animals**

**CAUTION:** Harmful if absorbed through skin, swallowed or inhaled. Avoid contact with eyes, skin or clothing. Avoid breathing spray mist. Remove and wash contaminated clothing before reuse. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Wear long-sleeved shirt, long pants, shoes socks, and chemical resistant gloves made of Barrier Laminate, Nitrile Rubber  $\geq$  14 mils, Neoprene Rubber  $\geq$  14 mils, or Viton  $\geq$  14 mils.

<b>FIRST AID</b>
<b>If on skin clothing:</b> Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
<b>If swallowed:</b> .Call a poison control center or doctor immediately for treatment advice. DO NOT INDUCE VOMITING unless told to do so by a poison control center or doctor. Do not give <b>any</b> liquid to the person. Do not give anything by mouth to an unconscious person.
<b>If in eyes:</b> 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.
<b>If inhaled:</b> Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.
<b>HOT LINE NUMBER</b> Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-918-594-6000 for emergency medical treatment information 24/7, or a poison control center at 1-800-222-1222..
<b>NOTE TO PHYSICIAN</b> Contains petroleum distillates. Vomiting may cause aspiration pneumonia. Aspiration may occur after swallowing, or vomiting and results in serious, and sometimes delayed lung injury.

**ENVIRONMENTAL HAZARDS**

This product is toxic to aquatic invertebrates. Do not apply directly to water, or to area where surface water is present, or to intertidal area below the mean high water mark. Do not contaminate water when disposing of equipment was water or rinsate. Drift and run off may be hazardous to aquatic organisms in water adjacent to treated areas. Avoid drift or run off into storm drains, drainage ditches, or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to

maximize the chances 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.

<p><b>EPA Registration No. 86330-13</b> <b>EPA Establishment No. 86330-OK-1</b> <b>Net Contents:</b></p>
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\*\*The expression “**Ultra-Fine®**” pertains only to the narrow 10%-90% distillation range of the oil used in this product.

\*\*\*The expression “**Year-Round**” means that this product may be used at any time of year, provided that the user adheres to the temperature and humidity restrictions stated in the attached booklet labeling.

**Additional information contained inside booklet on application, precautionary statements, storage and disposal.**