

34704-1025

8-18-2010

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**U.S. ENVIRONMENTAL PROTECTION AGENCY**  
**Office of Pesticide Programs**  
**Registration Division (7505P)**  
**Ariel Rios Building**  
**1200 Pennsylvania Ave., NW**  
**Washington, D.C. 20460**

EPA Reg. Number:

Date of Issuance:

34704-1025

AUG 18 2010

## NOTICE OF PESTICIDE:

☐ Registration☒ Reregistration  
(under FIFRA, as amended)

Term of Issuance: Unconditional

Name of Pesticide Product:

**FIRST CHOICE® NARROW  
RANGE 415 SPRAY OIL**

Name and Address of Registrant (include ZIP Code):

Loveland Products Inc.

P.O. Box 1286

Greeley, CO 80632-1286

ATTN: Edith Emory, Registration Specialist

5880720 5837516  
 676/1275 676/1140  
 5880719 5880718  
 676/1130 676/1135

**Note:** Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby reregistered under the Federal Insecticide, Fungicide and Rodenticide Act. Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

Based on your response to the Reregistration Eligibility Decision, EPA has reregistered the product listed above. This action is taken under the authority of section 4(g)(2)(C) of the Federal Insecticide, Fungicide, and Rodenticide Act, as amended. Reregistration under this section does not eliminate the need for continual reassessment of pesticides. EPA may require submission of data at any time to maintain the registration of your product.

The Confidential Statement of Formula (CSF) dated "8-Aug-10" for the "Basic Formulation" is accepted and replaces all CSFs previously accepted for this product.

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, is accepted subject to the comments in this letter.

**See page 2 for required label changes.**

Submit one (1) copy of the final printed label before you release the product for shipment. Products shipped after 12 months from the date of this Notice or the next printing of the label whichever occurs first, must bear the new revised label. A stamped copy of the label is enclosed for your records. If you have any questions, contact William Jacobs at 703-305-6406 or [jacobs.bill@epa.gov](mailto:jacobs.bill@epa.gov).

Signature of Approving Official:

Venus Eagle, Product Manager 01  
 Insecticide-Rodenticide Branch  
 Registration Division (7505P)

Date:

AUG 18 2010

**Label Changes**

The comments below apply to the label submitted for reregistration of this product on June 15, 2010.

1. In the first sentence of the first paragraph of the **“ENVIRONMENTAL HAZARDS”** section, change “watermark” to “water mark”.
2. Move the **“PHYSICAL / CHEMICAL HAZARDS”** paragraph (page 2) so that it follows the **“CAUTION”** paragraph and precedes the **“PERSONAL PROTECTIVE EQUIPMENT (PPE)”** text.
3. In the first sentence of the paragraph pertaining to uses on **“ORANGES, GRAPEFRUIT, LIMES and OTHER CITRUS spp.”** (page 6), change “Citrocola” to “Citricola”.
4. In the **“STORAGE AND DISPOSAL”** box (page 9), change the subheading **“STORAGE:”** to **“PESTICIDE STORAGE:”**.

3/14  
ACCEPTED  
With COMMENTS  
In EPA Letter Dated:

AUG 18 2010

Under the Federal Insecticide, Fungicide  
and Rodenticide Act, As amended, for the  
pesticide Registered under EPA Reg. No:

**FIRST CHOICE**<sup>®</sup>

34704-1025

## NARROW RANGE 415 SPRAY OIL

READ ENTIRE CONTAINER LABEL BEFORE USING THIS PRODUCT

<b>ACTIVE INGREDIENT:</b>	By Weight
Mineral Oil* .....	98.0%
<b>INERT INGREDIENTS:</b> .....	2.0%
<b>TOTAL:</b> .....	<b>100.0%</b>

\*Contains petroleum distillates

EPA Reg. No. 34704-1025

EPA Est. No. 51896-CA-30

NET CONTENTS: 30 GALLONS

KEEP OUT OF REACH OF CHILDREN

### CAUTION

FIRST AID	
<b>If swallowed:</b>	<ul style="list-style-type: none"><li>• Call a poison control center or doctor immediately for treatment advice.</li><li>• Do not give any liquid to a person.</li><li>• Do not induce vomiting unless told to by a poison control center or doctor.</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 eyes open and rinse slowly and gently with water for 15-20 minutes.</li><li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
<b>If on skin or clothing:</b>	<ul style="list-style-type: none"><li>• Take off contaminated clothing.</li><li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
<b>If 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>

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

**FOR A MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL 1-866-944-8565.**

**NOTE TO PHYSICIAN:** This product contains petroleum distillates and may pose an aspiration pneumonia hazard.

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

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### **CAUTION**

Harmful if swallowed or absorbed through skin or inhaled. Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. Avoid breathing spray mist. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

### **PERSONAL PROTECTIVE EQUIPMENT (PPE)**

Some materials that are chemical-resistant to this product are barrier laminate, nitrile rubber, neoprene rubber, and Viton. If you want more options, follow the instructions for category E on an EPA chemical-resistance category selection chart.

#### **Mixers, loaders, applicators, flaggers and other handlers must wear:**

- Long-sleeved shirt and long pants,
- shoes plus socks, and
- chemical-resistant gloves.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with the product's concentrate. Do not reuse them.

### **ENGINEERING CONTROLS**

Pilots must use an enclosed cockpit that meets the requirements listed in the WPS for agricultural pesticides [40CFR 170.240(d)(6)].

### **USER SAFETY RECOMMENDATIONS**

#### **Users should:**

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

### **ENVIRONMENTAL HAZARDS**

Do not apply directly to water or areas where surface water is present or to intertidal areas below the mean high watermark. Do not contaminate water when disposing of equipment washwater or rinsate. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas.

### **PHYSICAL / CHEMICAL HAZARDS**

Do not weld, heat or drill this container. Residues may ignite with explosive violence if heated sufficiently.

### DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product through any type of irrigation system. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulations.

#### 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) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

**Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 4 hours.**

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that has been treated, such as plants, soil, or water, is:

- coveralls,
- shoes plus socks, and
- chemical-resistant gloves made of any waterproof material.

#### NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

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

#### SPRAY DRIFT MANAGEMENT

A variety of factors including weather conditions (e.g., wind direction, wind speed, temperature, relative humidity) and method of application (e.g., ground, aerial, airblast) can influence pesticide drift. The applicator and grower must evaluate all factors and make appropriate adjustments when applying this product.

**WIND SPEED:** Do not apply at wind speeds greater than 15 mph at the application site.

**TEMPERATURE INVERSIONS:** If applying at wind speeds less than 3 mph, the applicator must determine if a) conditions of temperature inversion exist, or b) stable atmospheric conditions exist at or below nozzle height. Do not make applications into areas of temperature inversions or stable atmospheric conditions.

**DROPLET SIZE:** Apply as a medium or coarser spray (ASABE standard 572), and the minimum volume mean diameter (VMD) for spinning atomizer nozzles.

**When applied through ground equipment:** Apply using a nozzle height of no more than 4 feet above the ground or crop canopy.

**WIND SPEED:** Do not apply at wind speeds greater than 15 mph at the application site.

**DROPLET SIZE:** Apply as a medium or coarser spray (ASABE standard 572), and the minimum volume mean diameter (VMD) for spinning atomizer nozzles.

**When applied as a spray through airblast equipment:** For airblast applications, turn off outward pointing nozzles at row ends and when spraying outer row. To minimize spray loss over the top in orchard applications, spray must be directed into the canopy.

**When applied as an aerial spray:**

**RELEASE HEIGHT:** For aerial applications of agricultural products, do not release spray at a height greater than 10 feet above the ground, top of crops, or above the orchard canopy.

**BOOM LENGTH:** The boom length must not exceed 75% of the wingspan or 90% of the rotor blade diameter.

**SWATH ADJUSTMENT:** When applications are made with a cross-wind, the swath will be displaced downwind. The applicator must compensate for this displacement at the downwind edge of the application area by adjusting the path of the aircraft upwind. Leave at least one swath unsprayed at the downwind edge of the treated field.

**WIND SPEED:** Do not apply at wind speeds greater than 15 mph at the application site.

**DROPLET SIZE:** Apply as a medium or coarser spray (ASABE standard 572), and the minimum volume mean diameter (VMD) for spinning atomizer nozzles.

**NOTE: UNLESS SPECIFICALLY INDICATED OTHERWISE, THIS PRODUCT IS TO BE DILUTED WITH WATER BEFORE APPLICATION. DILUTION RATES ARE INDICATED BELOW AND ARE TO BE INTERPRETED AS GALLONS OF FIRSTCHOICE 415 SPRAY OIL PER 100 GALLONS OF WATER.**

FIRST CHOICE NARROW RANGE 415 SPRAY OIL is a straight cut, narrow range petroleum oil designed specifically for agricultural use on citrus and other crops including apples, pears, grapes, apricots, almonds, avocados, cherries, kiwi, nectarines, peaches, pistachios, plums, prunes, walnuts and ornamentals.

**APPLICATIONS:** FIRST CHOICE NARROW RANGE 415 SPRAY OIL is formulated as a "fast break" spray oil and will not stay in solution unless agitated constantly. Keep agitator running at all times during spray operations. Apply so as to give total coverage to all parts of crop. Total coverage of all parts of trees is essential for optimum results. Apply as directed to thoroughly drench all limbs, twigs, and leaves without significant runoff. For smaller, immature trees and vines, spray solution quantities should be reduced proportionately.

**DILUTION:** Be sure tank is clean. Fill spray tank with 1/2 the required amount of water. Start agitator. Add total amount of spray oil. Continue to agitate while adding balance of water and while spraying. DO NOT USE THIS MATERIAL IF IT DOES NOT EMULSIFY.

**GROUND APPLICATION:** Dilute specified dosage in 50-3,000 gallons of water per acre.

**AERIAL APPLICATION:** Dilute FIRST CHOICE NARROW RANGE 415 SPRAY OIL at the specified dosage in 10-30 gallons of water per acre for thorough coverage (consult with local Extension Service or agricultural chemical authority for dilution and/or combinations with currently registered pesticides). Use lower rates on susceptible varieties or young trees. In case of conflicting directions, refer to the specific crop instructions.

**COMPATIBILITY:** FIRST CHOICE NARROW RANGE 415 SPRAY OIL may be tank-mixed with insecticides, fungicides or foliar nutrients. To assure the compatibility of tank mixtures, mix the correct proportions of the tank-mix components in a small container. After thorough mixing, allow the mixture to stand for 5 minutes. If the combination remains mixed or can be readily remixed, the tank mixture is compatible.

DO NOT APPLY this product within 30 days before or after applications of sulfur or captan.

DO NOT APPLY to trees weakened by disease, drought, drying winds or high nitrogen applications.

DO NOT USE FIRST CHOICE NARROW RANGE 415 SPRAY OIL when temperatures are above 90° F when making low volume application or above 95° F when making dilute application.

## **RESTRICTIONS**

**CHEMIGATION:** DO NOT APPLY this product through any type of irrigation system.

## **CROP-SPECIFIC INFORMATION**

Apply when pests appear. Adjust dosage with the specified range according to pest infestation, crop canopy size, crop conditions, etc. FIRST CHOICE NARROW RANGE 415 SPRAY OIL may be reapplied if pest pressure continues.

### **LEMONS**

Red Scale, Yellow Scale, Purple Scale, Black Scale, Brown Soft Scale, Citrus Red Mite, Citrus Bud Mite: 1.2 to 1.4 gals./100 gallons of water with thorough coverage.

In Central and Southern California, apply in late spring and late summer through December. In Coastal California, apply from March through early November. The higher dosage should be used for heavier infestations in early fall.

To aid in control of Red, Black, Yellow, or Purple Scale, add a suitably labeled insecticide. Care should be taken in combining oil sprays with certain miticides and insecticides due to possible increased phytotoxicity when applied over foliage. See Agricultural Extension Service for recommendations on special combinations. See notes below for Spreader-sticker, Low Volume, and additional Black Scale uses.

### **NAVEL ORANGES**

Citrus Red Mite, Red Scale, Yellow Scale, Purple Scale: 0.6 to 0.8 gallons FIRST CHOICE NARROW RANGE 415 SPRAY OIL per 100 gallons of water with full

coverage. Sevin (0.4 lb. 80% WSP per 100 gallons) or 1.0 lbs. Malathion 25% WP per 100 gallons may be added if needed for scale control. Do not use FIRST CHOICE NARROW RANGE 415 SPRAY OIL on Navel Oranges after September 1.

#### **ORANGES, GRAPEFRUIT, LIMES and OTHER CITRUS spp.**

Red Scale, Yellow Scale, Purple Scale, Black Scale, Citricola Scale, Brown Soft Scale, Citrus Red Mite, Pacific Spider Mite, Two-spotted Spider Mite: 1.2 to 1.4 gallons/100 gallons water with thorough coverage late summer and fall (Central California/Southern CA including Oxnard Plains) July through September. Highest dosage only for July or August applications.

To aid in control of Red, Yellow, Black, Purple Scale, add a suitably labeled insecticide. Be careful when combining oil sprays with certain miticides and insecticides due to possible increased phytotoxicity when applied over foliage. See Agricultural Extension Service for recommendations on special combinations.

#### **Low Volume Applications (Oranges and Grapefruit):**

Citrus Red Mite: 12 to 15 gallons FIRST CHOICE NARROW RANGE 415 SPRAY OIL per acre in 50 to 100 gallons of water.

#### **Maximum Application Rates for Citrus:**

Do not exceed a maximum of 212 pounds of active ingredient (in a maximum volume of 2000 gallons of spray mix) per acre when treating citrus in California. Do not exceed a maximum of 159 pounds of active ingredient (in a maximum of 1500 gallons of spray mix) per acre when treating citrus in Florida or Texas.

#### **APRICOTS, ALMONDS, CHERRIES, NECTARINES, PEACHES, PISTACHIOS, PLUMS, PRUNES**

**Summer use for Red Mite:** 0.7 gallons/100 gallons of water.

**Summer stage (post harvest):** Brown Apricot Scale, San Jose Scale: 1 to 1.5 gallons/100 gallons of water. Some varieties may be sensitive to oil and organic phosphate combinations.

**Dormant or Delayed Dormant:** San Jose Scale, Parlatoria Scale, Walnut Scale, Brown Apricot Scale, Black Scale, Mite Eggs, Aphid Eggs: 1.5 to 2 gallons/100 gallons of water.

**Delayed Dormant:** Leaf Roller Eggs: 2.5 gallons/100 gallons of water.

NOTE: On prune trees sensitive to oil, application should be made in the period between February 15 and the popcorn stage.

#### **APPLES AND PEARS**

**Summer application (post harvest):** Red Mites: 0.7 gallons/100 gallons of water.

**Immature summer stage (post harvest):** San Jose and Italian Pear Scale, use 1 to 1.5 gallons/100 gallons of water.

**Use as an aid in adherence of insoluble insecticides:** Use one quart to 100 gallons of water.

**Dormant and Delayed Dormant:** San Jose Scale, Italian Pear Scale: 1.5 to 2 gallons/100 gallons of water.

**Delayed Dormant:** Leaf Roller Eggs: 2.5 gallons/100 gallons of water.



**Pear Psylla:** 1 gallon/100 gallons of water.

## **GRAPES**

**(Dormant):** Mealy Bugs: Use 1 to 2 gallons of FIRST CHOICE NARROW RANGE 415 SPRAY OIL per 100 gallons of water with thorough coverage. A tank mix using an insecticide registered for use on grapes for mealybug improves control.

## **KIWI**

**(Dormant):** Latania Scale, Oleander Scale, San Jose Scale: Apply 4 to 6 gallons FIRST CHOICE NARROW RANGE 415 SPRAY OIL per treated acre. Apply in a minimum of 100 gallons spray volume per acre. Do not apply after bud break. Use the higher rate where scale populations are high.

**Late Spring-Summer:** Scale crawlers and Leafrollers: Apply 1 gallon /100 gallons of water as a dilute spray only. Do not apply during period of fruit sensitivity (10 days after flowering to the third week in July). Do not use spray additives.

## **AVOCADOS**

For Mites and Thrips, use 1 to 4 gallons of oil per 100 gallons of water in a dilute spray of 400 to 3,000 gallons per acre. Good coverage is required to be effective. Do not exceed 30 gallons of oil per acre per application. For concentrate spray, use 4 to 15 gallons of oil per acre in 50 to 100 gallons of spray mixture or in enough water for adequate coverage. When the application of oil is more than 2% v/v concentration, it is recommended that a small test area be treated and observed. Allow enough time for symptoms to appear before continuing to spray.

## **OLIVES**

Parlatoria scale: Use 1.5 gallons FIRST CHOICE NARROW RANGE 415 SPRAY OIL per 100 gallons of water. Apply prebloom or post bloom up to buckshot stage.

## **WALNUTS**

**Delayed dormant:** Brown Apricot Scale, Black San Jose Scale, Olive Scale, Oleander Scale, Frosted Scale, Italian Pear Scale, European Fruit Lecanium, Putnam Scale, Brown Soft Scale, eggs of Aphids, Red Spider Mites: 1.5 to 2 gallons/100 gallons of water.

**Summer Use:** Red Spider Mites: 3 to 4 quarts/100 gallons of water.

**Summer stage:** of Brown Apricot Scale, San Jose Scale: 1 gallon/100 gallons of water. This treatment should only be used on trees that have not suffered from lack of moisture at any time during the growing season. Further, oils should not be applied to orchards where soil moisture is low. Do not apply after husk split.

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

**Shade Trees\* and Shrubs including Conifers, Deciduous Broadleaf Evergreens & Woody Ornamentals** Aphids, Adelgids, Bark Beetles, Boxelder Bugs, Eriophyid Mites, Foliage Feeding Caterpillar, Gall Mites, Lace Bug, Leaf Beetle Larvae, Leafhoppers, Leafminers, Mealybug, Psyllids (immature), Sawfly (larvae), Scales (immature), Sharpshooters, Spider Mites, True Bugs (immature), Whiteflies (immature):

**Winter Dormant Period:** As needed: 2 to 4 gallons of oil per 100 gallons water.

**Summer (Foliar or Cover):** As needed: 1 to 3 gallons of oil per 100 gallons water.

**ORNAMENTAL TREES\*, SHRUBS ALONG CITY STREETS, OTHER RIGHTS-OF-WAY INCLUDING CONIFERS, DECIDUOUS AND BROADLEAF EVERGREENS**

Aphids, Adelgids, Bark Beetles, Boxelder Bugs, Eriophyid Mites, Foliage Feeding Caterpillar, Gall Mites, Lace Bug, Leaf Beetle Larvae, Leafhoppers, Leafminer, Mealybug, Psyllids (immature), Sawfly (larvae), Scales (immature), Sharpshooters, Spider Mites, True Bugs (immature), Whiteflies (immature)

**Winter Dormant Period** As needed: 2 to 4 gallons of oil per 100 gallons water.

**Summer (Foliar or Cover)** As needed: 1 to 3 gallons of 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.

**FLOWERING AND FOLIAGE PLANTS INCLUDING ROSES AND OTHER FLOWERING SHRUBS**

Aphids, Adelgids, Bark Beetles, Boxelder Bugs, Eriophyid Mites, Foliage Feeding Caterpillars, Gall Mites, Lace Bug, Leaf Beetle Larvae, Leafhoppers, Leafminer, Mealybug, Psyllids (immature), Sawfly (larvae), Scales (immature), Sharpshooters, Spider Mites, True Bugs (immature), Whiteflies (immature):

**Winter Dormant Period** As needed: 2 to 3 gallons of oil per 100 gallons water.

**Summer (Foliar or Cover)** As needed: 1 to 2 gallons of oil per 100 gallons water.

**FOLIAGE ORNAMENTALS & BEDDING PLANTS**

Aphids, Adelgids, Bark Beetles, Boxelder Bugs, Eriophyid Mites, Foliage Feeding Caterpillars, Gall Mites, Lace Bug, Leaf Beetle Larvae, Leafhoppers, Leafminer, Mealybug, Psyllids (immature), Sawfly (larvae), Scales (immature), Sharpshooters, Spider Mites, True Bugs (immature), Whiteflies (immature): **Winter Dormant Period** As needed: 2 to 3 gallons of oil per 100 gallons water.

**Summer (Foliar or Cover)** As needed: 1 to 2 gallons of oil per gallons water.

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 of oil per 100 gallons water.

Keep away from open blooms - bleaching and spotting has been observed with the open blooms of certain plants.

**RESTRICTION:** In the state of California only, limit use to: American Red Oak, Japanese Black Pine, Dogwood, Weeping Cherry, Carnelian Cherry, Crabapple, Norway Maple, Purple Leaf Plum.

**RATES PER ACRE**

Crop	Gallons of Dilute Spray of Specified Dosage	Gallons of Oil per Acre by Concentrate Sprayer <sup>1</sup>
Citrus	400 to 2000	12 to 20
Stone Fruit, Almonds and Pistachios	250 to 800	4 to 6 <sup>2</sup>
Apples and Pears	250 to 800	4 to 6 <sup>2</sup>
Olives	400 to 3000	n/a
Walnuts	400 to 3000	4 to 6
Grapes	50 to 300	0.5 to 2
Kiwi	100 to 300	4 to 6
Avocados	400 to 3000	4 to 15

<sup>1</sup>Application in 50 to 100 gallons of spray mixture per acre is preferred but not required depending on the spray equipment used.

<sup>2</sup>For shipping fruit, use the 6 gallon rate not later than 6 weeks before harvest; otherwise use 4 gallon/acre not later than 4 weeks before harvest or 2 gallons/acre not later than 1 week before harvest.

Nutritional Powders: FIRST CHOICE NARROW RANGE 415 SPRAY OIL is compatible with Nutra-Phos® and Nutra-Spray® foliar nutrient powders which may be used at the rate of 1.5 to 3 lbs. per 100 gallons of spray solution.

**Due to concerns with potential phytotoxicity, do not apply this product:**

1. When the soil (especially the sub-soil) is relatively dry or when trees are under stress.
2. Immediately prior to, during, or following an unusually cold weather period.
3. When the temperature is above 95 degrees Fahrenheit.
4. With captan, sulfur or lime sulfur. Also, do not use oil 30 days before or after sulfur or captan products.
5. Over fruit of apricots, cherries, peaches, plums, prunes, apples or pears in excess of 0.2%.
6. During low humidity, i.e. Santa Ana winds in Southern California, or when temperature exceeds 93° F for lemons.
7. On citrus, do not apply copper products for 30 days before or after oil application.

**STORAGE AND DISPOSAL**

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

**STORAGE:** Keep out of reach of children and animals. Keep pesticide in original container. Store in a cool, dry place and avoid excess heat. Do not put concentrate or dilute into food or drink containers.

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**CONTAINER DISPOSAL:** Nonrefillable container. Do not reuse this container to hold

materials other than pesticides or dilute pesticides (rinsate). After emptying and cleaning, it may be allowable to temporarily hold rinsate or other pesticide-related materials in the container. Contact your state regulatory agency to determine allowable practices in your state. Once cleaned, some agricultural plastic pesticide containers can be taken to a container collection site or picked up for recycling. To find the nearest site, contact your chemical dealer or manufacturer, or contact The Agricultural Container Recycling Council (ACRC) at [www.acrecycle.org](http://www.acrecycle.org). If not recycled, then puncture and dispose of in a sanitary landfill, or incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Triple rinse or pressure rinse container (or equivalent) promptly after emptying.

**For packages up to 5 gallons:** Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container  $\frac{1}{4}$  full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. **Pressure rinse as follows:** Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

**For packages greater than 5 gallons and less than 56 gallons:** Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container  $\frac{1}{4}$  full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. **Pressure rinse as follows:** Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

**For packages greater than 56 gallons:** To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

**For refillable containers:** Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate

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collection system. Repeat this rinsing procedure two more times. Offer for recycling or reconditioning, if available, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

**For help with any spill, leak, fire or exposure involving this material, call day or night CHEMTREC – 1-800-424-9300.**

**CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY**  
**BEFORE BUYING OR USING THIS PRODUCT**, read the entire Directions for Use and the following Conditions of Sale and Limitation of Warranty and Liability. By buying or using this product, the buyer or user accepts the following Conditions of Sale and Limitation of Warranty and Liability, which no employee or agent of LOVELAND PRODUCTS, INC. or the seller is authorized to vary in any way.

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