

71096-11

10/16/2008

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

OCT 16 2008

Ruth Ann Harman
Office Administrator/Regulatory
OR-CAL, Inc.
29454 Meadowview Road
Junction City, OR 97448

Subject: Label Notification(s) for Pesticide Registration Notice 2007-4

Dear Ms. Harman:

The Agency is in receipt of your Application(s) for Pesticide Notification under Pesticide Registration Notice (PRN) 2007-4 dated August 5, 2008 for:

EPA Registration 71096-11 Tetrasul 4s5

The Registration Division (RD) has conducted a review of this request for applicability under PRN 2007-4 and finds that the label change(s) requested falls within the scope of PRN-2007-4. The label has been date-stamped "Notification" and will be placed in our records.

Please be reminded that 40 CFR Part 156.140(a)(4) requires that a batch code, lot number, or other code identifying the batch of the pesticide distributed and sold be placed on nonrefillable containers. The code may appear either on the label (and can be added by non-notification/PR Notice 98-10) or durably marked on the container itself.

If you have any questions, please contact me directly at 703-305-6249 or Nicole Williams of my staff at 703-308-5551.

Sincerely,

A handwritten signature in black ink, appearing to be "Linda Arrington".

Linda Arrington
Notifications & Minor Formulations Team Leader
Registration Division (7505P)
Office of Pesticide Programs



United States
Environmental Protection Agency
 Washington, DC 20460

Registration
 Amendment
 Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number 71096-11	2. EPA Product Manager Mary Waller	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) OR-CAL, Inc. / Tetrasul 4s5	PM# 21	
5. Name and Address of Applicant (Include ZIP Code) OR-CAL, Inc. 29454 Meadowview Road Junction City, OR 97448 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(ii), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ OCT 16 2008 Product Name _____	

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<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.)
 Notification of label change relative to PR Notice 2007-4. This notification is consistent with the guidance in PR Notice 2007-4 and the requirements of EPA's regulations at 40 CFR 156.10, 156.140, 156.144, 156.146 and 156.156. No other changes have been made to the labeling or the Confidential Statement of Formula for this product. OR-CAL, Inc. understands that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. OR-CAL, Inc. further understands that if the amended label is not consistent with the requirements of 40 CFR 156.10, 156.140, 156.144, 156.146 and 156.156, this product may be in violation of FIFRA and OR-CAL, Inc. may be subject to enforcement action and penalties under section 12 and 14 of FIFRA.

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> Metal	<input checked="" type="checkbox"/> Plastic
				<input type="checkbox"/> Glass	<input type="checkbox"/> Paper
* Certification must be submitted		If "Yes" Unit Packaging wgt.	No. per container	Other (Specify) _____	
		If "Yes" Package wgt	No. per container		
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container 1, 2.5, 5, 30, 55, 125, 220 & 250 gal.		5. Location of Label Directions <input type="checkbox"/> Front of container, inside booklet	
6. Manner in Which Label is Affixed to Product <input checked="" type="checkbox"/> Lithograph Paper glued 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 Ruth Ann Harman	Title Office Administrator/Regulatory	Telephone No. (Include Area Code) 541-995-9388
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. Signature 	3. Title Office Administrator/Regulatory	
4. Typed Name Ruth Ann Harman	5. Date 8/5/08	

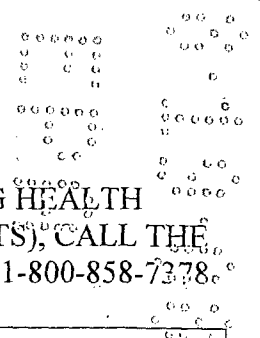
NOTIFICATION
OCT 16 2008

TETRASUL 4s5

Fungicide-Insecticide-Miticide for Fruits, Nuts, Ornamentals, Roses

OR-CAL, INC.
29454 MEADOWVIEW RD.
JUNCTION CITY, OR. 97448

EPA REGISTRATION NO. 71096-11
EPA ESTABLISHMENT NO. 52251-OR-005



FOR INFORMATION ON THIS PESTICIDE PRODUCT (INCLUDING HEALTH CONCERNS, MEDICAL EMERGENCIES, OR PESTICIDE INCIDENTS), CALL THE NATIONAL PESTICIDE TELECOMMUNICATIONS NETWORK AT 1-800-858-7378.

KEEP OUT OF REACH OF CHILDREN
DANGER PELIGRO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

SEE ADDITIONAL PRECAUTIONARY STATEMENTS INSIDE BOOKLET.

ACTIVE INGREDIENT: Calcium Polysulfide.....27%
INERT INGREDIENTS.....73%
TOTAL.....100%

ALL APPLICABLE DIRECTIONS, RESTRICTIONS AND PRECAUTIONS ON THE LABEL ARE TO BE FOLLOWED. SEE DIRECTIONS FOR USE IN BOOKLET.

NET CONTENTS
30 Gallons
5 Gallons
2.5 Gallons
1 Gallon
1 Quart
1 Pint

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FIRST AID

If Swallowed:	<ul style="list-style-type: none"> • Call poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • 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.
If in eyes:	<ul style="list-style-type: none"> • 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:	<ul style="list-style-type: none"> • 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.
If on skin Or clothing:	<ul style="list-style-type: none"> • 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.

HOT LINE NUMBER

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact the National Pesticide Telecommunications Center at: 1-800-858-7378 for emergency medical treatment information.

Note to Physician

Probable mucosal damage may contraindicate gastric lavage.

AGRICULTURAL PRECAUTIONARY STATEMENTS – HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER: Corrosive. Causes skin burns. Causes irreversible eye damage. Harmful if absorbed through skin. Harmful if swallowed. Do not get in eyes, on skin or on clothing.

Personal protective equipment (PPE)

Some materials that are chemical resistant to this product are listed below. If you want more options, follow the instructions for Category A or an EPA chemical resistance category selection chart.

Applicators and other handlers must wear:

Coveralls over long-sleeved shirt and long pants

Chemical resistant gloves made of any waterproof material

Chemical resistant footwear plus socks

Protective eyewear, goggles, face shield or safety glasses.

Chemical resistant headgear for overhead exposure

Chemical resistant apron when cleaning equipment, mixing or loading

Personal Protective Equipment (PPE) continued

Dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C), or a NIOSH approved respirator with any R, P or HE filters

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

HOME GARDEN PRECAUTIONARY STATEMENTS – HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER: Corrosive. Causes skin burns. Causes irreversible eye damage. Harmful if absorbed through skin. Harmful if swallowed. Do not get in eyes, on skin or on clothing. Wear long-sleeved shirt and long pants, socks, chemical-resistant footwear, chemical-resistant gloves made of any waterproof material, safety glasses or goggles and hat. Wash thoroughly with soap and water after handling and before eating, drinking or using tobacco. Remove contaminated clothing and wash before reuse.

USER SAFETY RECOMMENDATIONS

Users should:

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

HOME GARDEN-ENVIRONMENTAL HAZARDS

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

AGRICULTURAL-ENVIRONMENTAL HAZARDS

Do not apply directly to water, 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 washwaters. Do not apply when weather conditions favor drift from treated areas. Do not apply where runoff is likely to occur.

PHYSICAL AND CHEMICAL HAZARDS

May give off highly toxic and extremely flammable hydrogen sulfide gas if mixed with acids.

STORAGE AND DISPOSAL

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

HOME GARDEN-Storage: Store product in a secure locked place, inaccessible to children, pets, and livestock. Store in a cool, dry place. Keep container closed when not in use.

Container Disposal:

If Empty: Nonrefillable container. Do not reuse or refill this container. Place in trash or offer for recycling, if available.

If Partly Filled: Call your local solid waste agency or 1-800-CLEANUP for disposal instructions. Never place unused product down any indoor or outdoor drain.

AGRICULTURAL-Storage: Store product in a secure locked place, inaccessible to children, pets, and livestock. Store in a cool, dry place. Keep container closed when not in use.

Pesticide Disposal: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Container Reuse, Residue Removal and 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. Triple rinse container (or equivalent) promptly after emptying. Offer for recycling, if available or reconditioning, if appropriate or 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.

-For 50 lbs. container or less, 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 ¼ 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.

-For over 5 gallon or 50 lbs. container; triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ 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 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.

DIRECTIONS FOR USE

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

Do not allow spray to drift from the application site and contact people, structures people occupy at any time and the associated property, parks and recreation areas, nontarget crops, aquatic and wetland areas, woodlands, pastures, rangelands, or animals.

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 regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and green houses 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), notification to workers, and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard (WPS).

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) or 48 hours.

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

- Coveralls over long sleeved shirt and long pants
- Chemical resistant gloves made of any waterproof material
- Chemical-resistant footwear plus socks
- Protective eyewear
- Chemical-resistant headgear for overhead exposure

HOME GARDEN 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 treated areas without protective clothing until sprays have dried.

ALL APPLICABLE DIRECTIONS, RESTRICTIONS AND PRECAUTIONS ON THE LABEL ARE TO BE FOLLOWED

APPLICATION DIRECTIONS AND PRECAUTIONS

Tetrasul 4s5 is a fungicide, insecticide and miticide that contains Lime Sulfur and a wetting agent. Spray to cover foliage until wet. If spray contacts concrete and white, painted surfaces, discoloration of this surface may occur.

Faulty spray equipment, highly concentrated materials, or extremes of weather during or following spraying may lead to fruit or foliage injury. The risk of spray injury is greater when drought stress exists. The user is advised not to use Tetrasul 4s5 on any crop unless local use has proved that Lime Sulfur does not damage crops in that locality.

Do not use Lime Sulfur on apricots. Do not use Oil with Lime Sulfur in summer applications. Do not apply when temperature exceeds 85 F. Do not apply Oil following Lime Sulfur, nor Lime Sulfur following Oil, in foliage period, wait 30 days between treatments of and treatments with oil spray.

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

HOME GARDEN USE DIRECTIONS

Where a rate range is given, use the highest rates when disease is severe or where disease was severe in the previous season.

• **ALMONDS**

Powdery Mildew, Shothole; Apply 2-3 oz. per gallon of water. Apply every 2 weeks between November 15 and December 15. Dormant application only.

• **APPLES**

Blotch; Apply 1/2-1 oz. per gallon of water. Apply in pre-bloom and petal fall stages and 10 days later. **Leaf Spot;** Apply 4-6 oz. per gallon of water in delayed dormant stage or 1/2 oz. per gallon of water in growing season. **Powdery Mildew;** Apply 1/2-1 oz. per gallon of water. Apply in pre-pink, pink and calyx stages. **Scab;** Apply 1/2-1 oz. per gallon of water in delayed dormant, pre-pink and pink stage. **NOTE:** Use on Delicious apples may result in injury.

• **BLACKBERRIES**

Apply in dormant (green bud) stage. Use 1/2-1 oz. per gallon water when fruiting canes are 8 to 12 inches long and before blossoms have opened. **Overwintering Fungus Spores, Cane Blight;** 2-3 oz. per gallon of water. Apply in dormant stage.

• **BLUEBERRIES**

To aid control of **Mummy Berry** (caused by the fungus *Sclerotinia Urnula*), apply a post-harvest (September or October) or early dormant spray of 5-6 oz. per gallon of water.

• **CHERRIES (SWEET)**

Powdery Mildew; Apply 1/2-1 oz. per gallon of water. Apply in delayed dormant stage.

• **CHERRIES (TART)**

Brown Rot Blossom Blight, Leaf Spot, Scab; Apply 1/2-1 oz. per gallon of water. Apply in pre-bloom, early bloom and full bloom stages. **Brown Rot (Fruit), Leaf Spot, Powdery Mildew;** Apply 1/2-1 oz. per gallon of water. Apply 3 to 5 sprays at weekly intervals just before harvest.

• **CITRUS**

Red Spider Mites; Apply 1/4-1 oz. per gallon of water. Apply when the mites appear. **Thrips;** Apply 1/4-1 oz. per gallon of water.

• **CURRENTS, GOOSEBERRIES**

Anthraxnose; Apply 1-3 oz. per gallon of water. Apply at bud break stage, and 10 to 15 days later. Use 1/2-1 oz. per gallon of water at 10 day intervals after second spray if necessary. **Powdery Mildew;** Apply 1/2-1 oz. per gallon of water. Apply before and after bloom.

• **FRUIT TREES (BEARING)**

Overwintering Fungus Spores; Apply 1/2-1 oz. per gallon of water. Apply in dormant stage.

• **FRUIT TREES (NON-BEARING)**

Blotch, Powdery Mildew, Scab; Apply 1/2-1 oz. per gallon of water. Apply at cluster bud and pre-bloom stages.

• **GRAPES**

Anthraxnose, Powdery Mildew; Apply 1/2-1 oz. per gallon of water. Apply when new shoots are 4 to 6 inches long.

(Dormant only): Powdery Mildew, Mealybugs; Apply 2-3 oz. per gallon of water.

• **NECTARINES**

Brown Rot, Leaf Spot, Shothole; Apply 1/2-1 oz. per gallon of water. Apply 3 to 5 times at weekly intervals before harvest. **Leaf Curl;** Apply 4-5 oz. per gallon of water. Apply in early winter and late dormant period. **Powdery Mildew;** Apply 1/2-1 oz. per gallon of water. Apply when disease appears.

• **PEACHES**

Brown Rot, Leaf Spot; Apply 1/2-1 oz. per gallon of water. Apply 3 to 5 times at weekly intervals before harvest. **Brown Rot Blossom Blight;** Apply 1/2-1 oz. per gallon of water. Apply in pre-bloom, early bloom and full bloom stages. **Leaf Curl, Scab, Shothole;** Apply 4-5 oz. per gallon of water. Apply in dormant season. **Powdery Mildew;** Apply 4-7 oz. per gallon of water at green tip stage. Use 1/2 oz. per gallon of water on summer foliage.

• **PEARS**

Pear Psylla, Rust Mite, Blister Mite; Apply 3 oz. per gallon of water plus 1 oz. light medium summer oil. Apply as a post-harvest spray. **Bud Mite** (Pacific Coast States); Apply 3 oz. plus 2 oz. light medium summer oil per gallon of water. Apply in the fall after temperature cools but before the first frost at the time mites first penetrate under the bud scales. **Pear Leaf Blister Mite;** Apply 3 oz. per gallon of water. Apply in dormant season up to time buds swell. May be combined with oils labeled for dormant use. **Scab;** Apply 3 oz. per gallon of water. Apply in Cracked Bud Stage and ½-1 oz. per gallon of water in Cluster Bud Stage. Concentrate sprayers follow recommendations of State Agriculture Experiment Station. Keep agitated during spraying.

• **PLUMS**

Blotch, Powdery Mildew; Apply 1 oz. per gallon of water. Begin 3 to 5 weeks before harvest. Repeat weekly until picking. **Black Knot;** Apply 4-5 oz. per gallon of water. Apply in green tip stage. **Brown Rot (Fruit Rot);** Apply ½ oz. per gallon of water. Apply 20, 10 and 2 days before harvest. **Leaf Curl;** Apply ½ oz. per gallon of water. Apply in dormant stage.

• **PRUNES**

Black Knot; Apply 4-5 oz. per gallon of water. Apply in green tip stage. **Brown Rot (Fruit Rot), Leaf Spot, Powdery Mildew;** Apply ½-1 oz. per gallon of water and begin 3 to 5 weeks before harvest. Apply at weekly intervals until picking.

• **RASPBERRIES**

Anthraxnose, Powdery Mildew; Apply ½-1 oz. per gallon of water. Spray once when new canes are 8 to 12 inches long. **Cane Blight;** Apply ½-1 oz. per gallon of water. Apply at spring bud swell. Repeat in late fall dormant period. **Spur Blight;** Apply 4-5 oz. per gallon of water. Apply in delayed dormant stage when buds begin to break and show silver.

• **ALFALFA, RED CLOVER**

Powdery Mildew; Apply ½-1 oz. per gallon of water. Apply at early bud stage or at first sign of disease.

• **SHADE TREES, SHRUBS**

For control of **San Jose Scale, Nectria Canker, Maple Gall, Leaf Blotch, Olive Scale,** and as an aid in the control of **Powdery Mildew, Anthracnose;** Apply 3-4 oz. per gallon of water once in early spring before buds swell. Do not apply to Evergreens, Euonymus or Rhododendrons or allow spray to drift on these susceptible species. Full season control of Powdery Mildew and Anthracnose will require additional application of fungicide. Keep agitated during spraying.

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EARLY SPRING SPRAYING (AS GROWTH STARTS)

- **ROSES**

Rose and San Jose Scale, Case Bearer, Powdery Mildew; Apply 1-2 oz. per gallon of water. Apply in spring before buds swell and again in fall after leaves drop.

SUMMER FOLIAGE SPRAYING

- **ROSES**

Black Spot, Powdery Mildew, Rust, Red Spider Mites; Apply ½ oz. per gallon of water. Apply at 10 to 15 day intervals in growing season.

COMBINATION WINTER SPRAY

- **FRUIT TREES, ROSES AND DECIDUOUS HEDGE PLANTS, SHADE TREES AND SHRUBS (DORMANT AND DECIDUOUS ONLY)**

San Jose Scale, Oyster Shell Scale, Brown Apricot Scale, Black Scale, Overwintering Insect Eggs, Many Overwintering Fungus Spores, Or Plant Disease; Apply 4-5 oz. per gallon of water. Keep agitated during spraying.

AGRICULTURAL USE

For ground boom applications, apply with nozzle height no more than 4 feet above the ground or crop canopy and when wind speed is 10 mph or less at the application site as measured by an anemometer. Use medium or coarser spray according to American Society of Agricultural Engineers (ASAE) 572 definition for standard nozzles or Volume Median Diameter (VMD) for spinning atomizer nozzles.

For orchard/vineyard airblast applications, do not direct spray above trees/vines and turn off outward pointing nozzles at row ends and outer rows. Apply only when wind speed is 3-10 mph as measured by an anemometer. Use medium or coarser spray according to American Society of Agricultural Engineers (ASAE) 572 definition for stand nozzles of Volume Median Diameter (VMD) for spinning atomizer nozzles. If application includes a no-spray zone, do not release spray at a height greater than 10 feet above the ground or crop canopy.

The applicator also must use all other measures necessary to control drift.

AGRICULTURAL USE DIRECTIONS

Where a rate range is given, use the highest rates when disease is severe or where disease was severe in the previous season.

- **ALMONDS**

Powdery Mildew, Shothole; Apply 2 gallons per 100 gallons of water. Apply every 2 weeks between November 15 and December 15. Dormant application only.

• **APPLES**

Blotch; Apply 2 quarts per 100 gallons of water. Apply in pre-bloom and petal fall stages and 10 days later. **Leaf Spot;** Apply 3 to 5 gallons per 100 gallons of water in delayed dormant stage or 1 quart per 100 gallons of water in growing season. **Powdery Mildew;** Apply 2 quarts per 100 gallons of water. Apply in pre-pink, pink and calyx stages. **Scab;** Apply 2 quarts per 100 gallons of water in delayed dormant, pre-pink and pink stage. **NOTE:** Use on Delicious apples may result in injury.

• **BLACKBERRIES**

Apply in dormant (green bud) stage. Use 2 quarts per 100 gallons water when fruiting canes are 8 to 12 inches long and before blossoms have opened. **Overwintering Fungus Spores, Cane Blight;** 2 gallons per 100 gallons of water. Apply in dormant stage.

• **BLUEBERRIES**

To aid control of **Mummy Berry** (caused by the fungus *Sclerotinia Urnula*), apply a post-harvest (September or October) or early dormant spray of 4 gallons per 100 gallons of water. Use 200 to 300 gallons of spray per acre.

• **CHERRIES (SWEET)**

Powdery Mildew; Apply 2 quarts per 100 gallons of water. Apply in delayed dormant stage.

• **CHERRIES (TART)**

Brown Rot Blossom Blight, Leaf Spot, Scab; Apply 2 quarts per 100 gallons of water. Apply in pre-bloom, early bloom and full bloom stages. **Brown Rot (Fruit), Leaf Spot, Powdery Mildew;** Apply 2 quarts per 100 gallons of water. Apply 3 to 5 sprays at weekly intervals just before harvest.

• **CITRUS**

Red Spider Mites; Apply 1 ½ pints per 100 gallons of water. Apply when the mites appear. **Thrips;** Apply 1 ½ pints per 100 gallons of water. Apply as recommended by your State Agricultural Experiment Stations.

• **CURRENTS, GOOSEBERRIES**

Anthraxnose; Apply 1 to 2 gallons per 100 gallon of water. Apply at bud break stage, and 10 to 15 days later. Use 3 pints per 100 gallon of water at 10 day intervals after second spray if necessary. **Powdery Mildew;** Apply 1 quart per 100 gallons of water. Apply before and after bloom.

• **FRUIT TREES (BEARING)**

Overwintering Fungus Spores; Apply 2 quarts per 100 gallons of water. Apply in dormant stage.

• **FRUIT TREES (NON-BEARING)**

Blotch, Powdery Mildew, Scab; Apply 2 quarts per 100 gallons of water. Apply at cluster bud and pre-bloom stages.

• **GRAPES**

Anthracnose, Powdery Mildew; Apply 2 quarts per 100 gallons of water. Apply when new shoots are 4 to 6 inches long.

(Dormant only): Powdery Mildew, Mealybugs; Apply 2 to 3 gallons per 100 gallons of water. Apply 200 gallons dilute spray per acre.

• **HAZELNUTS**

Big Bud Mite; Apply 3 gallons per acre in sufficient water for complete coverage of trees (recommended a minimum of 100 gallons of water per acre). Apply when buds begin to open in spring.

• **NECTARINES**

Brown Rot, Leaf Spot, Shothole; Apply 2 quarts per 100 gallons of water. Apply 3 to 5 times at weekly intervals before harvest. **Leaf Curl;** Apply 3 gallons per 100 gallons of water. Apply in early winter and late dormant period. **Powdery Mildew;** Apply 2 quarts per 100 gallon of water. Apply when disease appears.

• **PEACHES**

Brown Rot, Leaf Spot; Apply 2 quarts per 100 gallons of water. Apply 3 to 5 times at weekly intervals before harvest. **Brown Rot Blossom Blight;** Apply 2 quarts per 100 gallons of water. Apply in pre-bloom, early bloom and full bloom stages. **Leaf Curl, Scab, Shothole;** Apply 3 gallons per 100 gallons of water. Apply in dormant season. **Powdery Mildew;** Apply 3 to 5 gallons per 100 gallons of water at green tip stage. Use 1 quart per 100 gallons of water on summer foliage.

• **PEARS**

Pear Psylla, Rust Mite, Blister Mite; Apply 2 ½ gallons per 100 gallons of water plus 3 quarts light medium summer oil. Apply as a post-harvest spray. **Bud Mite** (Pacific Coast States); Apply 2 ½ gallons plus 2 gallons light medium summer oil per 100 gallons of water. Apply in the fall after temperature cools but before the first frost at the time mites first penetrate under the bud scales. **Pear Leaf Blister Mite;** Apply 2 ½ gallons per 100 gallons of water. Apply in dormant season up to time buds swell. May be combined with oils labeled for dormant use. **Scab;** Apply 2 ½ gallons per 100 gallons of water. Apply in Cracked Bud Stage and 1 to 1 ½ quarts per 100 gallons of water in Cluster Bud Stage. Concentrate sprayers follow recommendations of State Agriculture Experiment Station. Keep agitated during spraying.

• **PLUMS**

Blotch, Powdery Mildew; Apply 2 quarts per 100 gallons of water. Begin 3 to 5 weeks before harvest. Repeat weekly until picking. **Black Knot;** Apply 3 gallons per 100 gallons of water. Apply in green tip stage. **Brown Rot (Fruit Rot);** Apply 3 ½ pints per 100 gallons of water. Apply 20, 10 and 2 days before harvest. **Leaf Curl;** Apply 3 pints per 100 gallons of water. Apply in dormant stage.

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- **PRUNES**

Black Knot; Apply 3 gallons per 100 gallons of water. Apply in green tip stage. **Brown Rot (Fruit Rot), Leaf Spot, Powdery Mildew;** Apply 2 quarts per 100 gallons of water and begin 3 to 5 weeks before harvest. Apply at weekly intervals until picking.

- **RASPBERRIES**

Anthraxnose, Powdery Mildew; Apply 2 quarts per 100 gallons of water. Spray once when new canes are 8 to 12 inches long. **Cane Blight;** Apply 2 quarts per 100 gallons of water. Apply at spring bud swell. Repeat in late fall dormant period. **Spur Blight;** Apply 3 gallons per 100 gallons of water. Apply in delayed dormant stage when buds begin to break and show silver.

- **ALFALFA, RED CLOVER**

Powdery Mildew; Apply 1 gallon per 50 to 100 gallons of water. Apply at early bud stage or at first sign of disease.

- **SHADE TREES, SHRUBS**

For control of **San Jose Scale, Nectria Canker, Maple Gall, Leaf Blotch, Olive Scale** and as an aid in the control of **Powdery Mildew, Anthracnose;** Apply 2 gallons plus $\frac{3}{4}$ quart light medium summer oil per 100 gallons of water once in early spring before buds swell. Do not apply to Evergreens, Euonymus or Rhododendrons or allow spray to drift on these susceptible species. Full season control of Powdery Mildew and Anthracnose will require additional application of fungicide. Keep agitated during spraying.

EARLY SPRING SPRAYING (AS GROWTH STARTS)

- **ROSES**

Rose and San Jose Scale, Case Bearer, Powdery Mildew; Apply 1 $\frac{1}{2}$ gallons per 100 gallons of water. Apply in spring before buds swell and again in fall after leaves drop.

SUMMER FOLIAGE SPRAYING

- **ROSES**

Black Spot, Powdery Mildew, Rust, Red Spider Mites; Apply $\frac{1}{4}$ gallon per 100 gallons of water. Apply at 10 to 15 day intervals in growing season.

COMBINATION WINTER SPRAY

- **FRUIT TREES, ROSES AND DECIDUOUS HEDGE PLANTS, SHADE TREES AND SHRUBS (DORMANT AND DECIDUOUS ONLY)**

San Jose Scale, Oyster Shell Scale, Brown Apricot Scale, Black Scale, Overwintering Insect Eggs, Many Overwintering Fungus Spores, Or Plant Disease; Apply 3 gallons plus 1 gallon dormant spray oil per 100 gallons of water. Keep agitated during spraying.

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CONDITIONS OF SALE – LIMITED WARRANTY AND LIMITATIONS OF LIABILITY AND REMEDIES

The directions on this label are believed to be reliable and should be followed carefully. Insufficient control of pests and/or injury to the crop to which the product is applied may result from the occurrence of extraordinary or unusual weather conditions, the failure to follow the label directions, or good application practices, all of which are beyond the control of OR-CAL, Inc. or seller. In addition, failure to follow the label directions may cause injury to crops, animals, man or the environment. OR-CAL, Inc. warrants that this product conforms to the chemical description on the label and is reasonably fit for the purpose referred to in the directions for use subject to the factors noted above which are beyond the control of OR-CAL, Inc. OR-CAL, Inc. makes no other warranties or representations of any kind, express or implied concerning the product, including no implied warranty of merchantability or fitness for any particular purpose. The exclusive remedy against OR-CAL, Inc. for any cause of action relating to the handling or use of this product is a claim of damage and in no event shall damages or any other recovery of any kind against OR-CAL, Inc. exceed the price of the product, which causes the alleged loss, damage, injury or other claim. To the extent allowed by state law, OR-CAL, Inc. shall not be liable and any and all claims against OR-CAL, Inc. are waived, for special, indirect, incidental, or consequential damages or expense, of any nature, including, but not limited to, loss of profits, or income, whether or not based on OR-CAL, Inc. negligence, breach of warranty, strict liability in tort or any other cause of action. OR-CAL, Inc. and the seller offer this product and the buyer and user accept it, subject to the foregoing conditions of sale and limitation of warranty, liability and remedies.