



ORCAL, INC.

REX LIME SULFUR SOLUTION

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

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

EPA REGISTRATION NO. 71096-6

EPA ESTABLISHMENT NO. 52251-OR-005

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 28%

INERT INGREDIENTS 72%

TOTAL 100%

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

Approved under Washington State Department of
Agriculture Organic Food Program

Rev. 1/26/11

NET CONTENTS

2.5 Gallons 30 Gallons 110 Gallons 250 Gallons

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.

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

DANGER

Fatal if swallowed, inhaled or absorbed through skin. This product is corrosive to flesh because of its caustic alkaline nature, and it causes irreversible eye damage and skin burns. Do not breathe dust, vapor, spray mist, or get in eyes, or get on skin or clothing.

Personal protective equipment (PPE)

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

Chemical resistant headgear for overhead exposure

Chemical resistant apron when cleaning equipment, mixing or loading.

Dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C)

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.

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.

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.

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.

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 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.

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 treated areas without protective clothing until sprays have dried.

STORAGE AND DISPOSAL

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

Pesticide 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.

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

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

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 Lime Sulfur 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.

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

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 8 gallons per 100 gallons of water. Apply every 2 weeks between November 15 and December 15. Dormant application only.

• APPLES

Blotch; Apply 1 gallon per 50 gallons of water. Apply in pre-bloom and petal fall stages and 10 days later. **Leaf Spot;** Apply 7½ to 10 gallons per 100 gallons of water in delayed dormant stage or ½ gallon per 100 gallons of water in growing season. **Powdery Mildew;** Apply 2½ gallons per 100 gallons of water. Apply in pre-pink, pink and calyx stages. **Scab;** Apply 1½ to 2 gallons per 100 gallons of water in delayed dormant, pre-pink and pink stage. Precaution: Use on Delicious apples may result in injury. No time limitation.

• BLACKBERRIES

Anthraxnose, Powdery Mildew, Rust; Apply 6 to 12 gallons per 100 gallons of water. Apply in dormant (green bud) stage. Use ½ gallon per 100 gallons water when fruiting canes are 8 to 12 inches long and before blossoms have opened. **Overwintering Fungus Spores, Cane Blight;** Apply 9½ quarts 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 8 gallons per 100 gallons of water. Use 200 to 300 gallons of spray per acre, adding a spreader-sticker at 4 fl. oz. per 100 gallons.

• CHERRIES (SWEET)

Powdery Mildew; Apply 7½ gallons per 100 gallons of water. Apply in delayed dormant stage.

• CHERRIES (TART)

Brown Rot Blossom Blight, Leaf Spot, Scab; Apply 1½ gallons per 100 gallons of water. Apply in pre-bloom, early bloom and full bloom stages. **Brown Rot (Fruit), Leaf Spot, Powdery Mildew;** Apply ½ gallon per 100 gallons of water. Apply 3 to 5 sprays at weekly intervals just before harvest.

• CITRUS

Red Spider Mites;

Apply 2 gallons per 100 gallons of water. Apply when the mites appear. **Thrips;** Apply 2 gallons per 100 gallons of water.

• CURRANTS, GOOSEBERRIES

Anthraxnose; Apply 2½ gallons per 100 gallon of water. Apply at bud break stage, and 10 to 15 days later. Use 3 quarts per 100 gallon of water at 10 day intervals after second spray if necessary. **Powdery Mildew;** Apply 1½ quarts per 100 gallons of water. Apply before and after bloom.

• FRUIT TREES (BEARING)

Overwintering Fungus Spores; Apply 3½ gallons per 100 gallons of water. Apply in dormant stage.

• FRUIT TREES (NON-BEARING)

Blotch, Powdery Mildew, Scab; Apply 2½ quarts per 100 gallons of water. Apply at cluster bud and pre-bloom stages.

• GRAPES

Anthraxnose, 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 5 gallons per 100 gallons of water. Apply 200 gallons dilute spray per acre.

• 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 6 gallons per 100 gallons of water. Apply in early winter and late dormant period. **Powdery Mildew;** Apply 2 to 3 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 1 pint per 8 to 16 gallons of water. Apply in pre-bloom, early bloom and full bloom stages. **Leaf Curl, Scab, Shothole;** Apply 10 to 12 gallons per 100 gallons of water. Apply in dormant season. **Powdery Mildew;** Apply 7½ gallons per 100 gallons of water at green tip stage. Use 1½ quarts per 100 gallons of water on summer foliage.

• PEARS

Pear Psylla, Rust Mite, Blister Mite; Apply 4 gallons per 100 gallons of water plus ¾ gallon light medium summer oil. Apply as a post-harvest spray. **Bud Mite** (Pacific Coast States); Apply 5 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 5 to 7 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 5 gallons per 100 gallons of water. Apply in Cracked Bud Stage and 2 to 3 quarts per 100 gallons of water in Cluster Bud Stage. 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 ½ pint per 1 gallon of water. Apply in green tip stage. **Brown Rot (Fruit Rot);** Apply 1 pint per 16 gallons of water. Apply 20, 10 and 2 days before harvest. **Leaf Curl;** Apply 10-12 gallons per 100 gallons of water. Apply in dormant stage.

• PRUNES

Black Knot; Apply ½ pint per 1 gallon 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 1 pint per 1½ gallons of water. Spray once when new canes are 8 to 12 inches long. **Cane Blight;** Apply 1 pint per 12 gallons of water. Apply at spring bud swell. Repeat in late fall dormant period. **Spur Blight;** Apply 10 to 12 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 per acre. 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 4 gallons plus ¾ 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 3 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 ½ 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.

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

The directions on this label are believed to be reliable and must 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, 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. To the extent allowed by state law, 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 for losses or damages resulting from special, indirect, incidental, or consequential damages or expenses, or 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.

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