

# LIME SULFUR SPRAY

**CONTROLS** LISTED INSECTS SUCH AS: SCALE, MITES AND BORERS. **CONTROLS** LISTED DISEASES SUCH AS: PEACH LEAF CURL, MAPLE GALL, LEAF BLOTCH, POWDERY MILDEW, ANTHRACNOSE, RUST AND BLACK SPOT. **FOR USE ON...**LISTED FRUIT TREES, SHADE TREES, SHRUBS, ROSES AND BERRIES.

## FOR ORGANIC GARDENING

Store and transport in an upright position.

EPA Est. No. 4-NY-1 EPA Reg. No. 4-402

Buyers Guarantee Limited to Label Claims  
and refund of purchase price.

Bonide Products, Inc.  
6301 Sutliff Road  
Oriskany, NY 13424

Quart



## **DIRECTIONS FOR USE**

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

Not for use on any agriculture commodity or turf being grown for sale or for other commercial use, or for seed production, or for research purposes. For homeowner use only. For use on plants intended for aesthetic purposes or climatic modification and being grown in interior plantscapes, ornamental gardens or parks, or golf courses or lawns and grounds. Do not enter treated area until sprays have dried.

### **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 crops unless 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 temperatures exceed 85F. 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.

## **USE DIRECTIONS**

Spray to cover foliage until wet. Spray with the wind to your back. If spray contacts concrete or white painted surfaces, discoloration of this surface may occur.

## ALMONDS

For control of **Powdery Mildew, Shothole**; Apply 10½ fl. oz. per gallon of water. Apply every 2 weeks between November 15 and December 15. Dormant application only.

## APPLES

For control of **Blotch**; Apply 2½ fl. oz. per gallon of water. Apply in pre-bloom and petal fall stages and 10 days later. **Leaf Spot**; Apply 9½ fl. oz. to 13 fl. oz. per gallon of water in delayed dormant stage or 4 teaspoons per gallon of water in growing season. **Powdery Mildew**; Apply 3.2 fl. oz. per gallon of water. Apply in pre-pink, pink and calyx stages. **Scab**; Apply 2 to 2½ fl. oz. per gallon of water in delayed dormant, pre-pink and pink stage. Precaution: Use on Delicious apples may result in injury. No time limitation.

## BLACKBERRIES

For control of **Anthracnose, Powdery Mildew, Rust**; Apply 7½ to 15 fl. oz. per gallon of water. Apply in dormant (green bud) stage. Use 4 teaspoons per gallon of water when fruiting canes are 8 to 12 inches long and before blossoms have opened. **Overwintering Fungus Spores, Cane Blight**; Apply 3 fl. oz. per gallon of water. Apply in dormant stage.

## BLUEBERRIES

(Registration and use limited to Pacific Northwest) To aid in control of **Mummy Berry** (caused by the fungus *Sclerotinia Urnula*); apply a post-harvest (September-October) or early dormant spray of 10¼ fl. oz. per gallon of water.

## CHERRIES (SWEET)

For control of **Powdery Mildew**; Apply 9½ fl. oz. per gallon of water. Apply in delayed dormant stage.

## CHERRIES (TART)

For control of **Brown Rot Blossom Blight, Leaf Spot, Scab**; Apply 2 fl. oz. per gallon of water. Apply in pre-bloom, early bloom stages. **Brown Rot** (fruit), **Leaf Spot, Powdery Mildew**; Apply 4 teaspoons per gallon of water. Apply 3 to 5 sprays at weekly intervals just before harvest.

## CITRUS

For control of **Red Spider Mites**; Apply 2½ fl. oz. per gallon of water. Apply when the mites appear. **Thrips**; Apply 2½ fl. oz. per gallon of water. Apply as recommended by your State Agriculture Experiment Stations.

## CURRENTS, GOOSEBERRIES

For control of **Anthraxnose**; Apply ¾ fl. oz. per gallon of water. Apply at bud break stage, and 10 to 15 days later. Use ½ fl. oz. per gallon of water at 10 day intervals after second spray if necessary. **Powdery Mildew**; Apply ½ fl. oz. per gallon of water. Apply before and after bloom.

## FRUIT TREES (BEARING)

For control of **Overwintering Fungus Spores**; Apply 4½ fl. oz. per gallon of water. Apply in dormant stage.

## FRUIT TREES (NON-BEARING)

For control of **Blotch, Powdery Mildew, Scab**; Apply 5 teaspoons per gallon of water. Apply at cluster bud and pre-bloom stages.

## GRAPES

For control of **Anthraxnose, Powdery Mildew**; Apply 4 teaspoons per gallon of water. Apply when new shoots are 4 to 6 inches long. (**Dormant Only**): **Powdery Mildew, Mealybugs**; Apply 2½ to 6½ fl. oz. per gallon of water.

## NECTARINES

For control of **Brown Rot, Leaf Spot, Shothole**; Apply 4 teaspoons per gallon of water. Apply 3 to 5 times at weekly intervals before harvest. **Leaf Curl**; Apply 7¾ fl. oz. per gallon of water. Apply in early winter and late dormant period. **Powdery Mildew**; Apply 4 to 6 teaspoons per gallon of water. Apply when disease appears.

## PEACHES

For control of **Brown Rot, Leaf Spot**; Apply 4 teaspoons per gallon of water. Apply 3 to 5 times at weekly intervals before harvest. **Brown Rot Blossom Blight**; Apply 1 to 2 fl. oz. per gallon of water. Apply in pre-bloom, early bloom and full bloom stages. **Leaf Curl, Scab, Shothole**; Apply 12½ to 15 fl. oz. per gallon of water. Apply in dormant season. **Powdery Mildew**; Apply 9½ fl. oz. per gallon of water at green tip stage. Use ½ fl. oz. per gallon of water on summer foliage.

## PEARS

For control of **Pear Psylla, Rust Mite, Blister Mite**; Apply 5 fl. oz. per gallon of water plus 1 fl. oz. light medium summer oil. Apply as post-harvest spray. **Bud Mite** (Pacific Coast States); Apply 6½ fl. oz. plus 2½ fl. oz. light medium summer oil. Apply in the fall after temperature cools but before the first frost at the times mites first penetrate under the bud scales. **Pear Leaf Blister Mite**; Apply 6½ fl. oz. to 9½ fl. 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 6½ fl. oz. per gallon of water. Apply at cracked bud stage and 4 to 6 teaspoons per gallon of water at cluster bud stage.

## PLUMS

For control of **Blotch, Powdery Mildew**; Apply 4 teaspoons per gallon of water. Begin 3 to 5 weeks before harvest. Repeat weekly until picking. **Black Knot**; Apply 8 fl. oz. per gallon of water. Apply in green tip stage. **Brown Rot (Fruit Rot)**; Apply 1 fl. oz. per gallon of water. Apply 20, 10, and 2 days before harvest. **Leaf Curl**; Apply 12½ to 15 fl. oz. per gallon of water. Apply in dormant stage.

## PRUNES

For control of **Black Knot**; Apply 8 fl. oz. per gallon of water. Apply in green tip stage. **Brown Rot (Fruit Rot). Leaf Spot, Powdery Mildew**; Apply 4 teaspoons per gallon of water and begin 3 to 5 weeks before harvest. Apply at weekly intervals until picking.

## RASPBERRIES

For control of **Anthraxnose, Powdery Mildew**; Apply 10½ fl. oz. per gallon of water. Spray once when new canes are 8 to 12 inches long. **Cane Blight**; Apply 1¼ fl. oz. per gallon of water. Apply at spring bud swell. Repeat in late fall dormant period. **Spur Blight**; Apply 12½ to 15 fl. oz. per gallon of water. Apply in delayed dormant stage when buds begin to break and show silver.

## 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 5 fl. oz. plus 1 fl. oz. light medium summer oil 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.

## EARLY SPRING SPRAYING (AS GROWTH STARTS)

### ROSES

For control of **Rose and San Jose Scale, Case Bearer, Powdery Mildew**; Apply 4 fl. oz. per gallon of water. Apply in spring before buds swell and again in fall after leaves drop.

## SUMMER FOLIAGE SPRAYING

### ROSES

For control of **Black Spot, Powdery Mildew, Rust, and Red Spider**; Apply ½ fl. 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, Rose Scale, Oyster Shell Scale, Brown Apricot Scale, Black Scale, Overwintering Insect Eggs, many Overwintering Fungus Spores of Plant Disease:**

**For Best Results:** Use 1½ pints Bonide Lime Sulfur Spray and ½ pint Bonide All Seasons Horticultural & Dormant Spray Oil in 6 gallons of water (7½ tablespoons Bonide Lime Sulfur Spray, 2½ tablespoons Bonide All Seasons Horticultural & Dormant Spray Oil per gallon). Keep agitated during spraying.

## STORAGE AND DISPOSAL

**Pesticide Storage:** Store in a cool, dry area inaccessible to children or pets. Store and transport in an upright position. Do not store near heat or open flame.

**Container Disposal:** *If empty* - Do not reuse container. 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.

## 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>• Have person sip a glass of water, if able to swallow.</li><li>• Do not induce vomiting, unless told to do so by the 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 eye 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 eye.</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>  |
| <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>   |

**NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate gastric lavage.

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

**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, on skin, or on clothing. Wear long-sleeved shirt, 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.

**ENVIRONMENTAL HAZARDS**

Do not apply directly to water. Do not contaminate water when disposing of equipment washers. 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.

Buyer's Guarantee Limited to Label Claims