



# WILBUR-ELLIS SPRAY SULFUR

ACTIVE INGREDIENT	% By Wt.
Sulfur.....	97.00%
OTHER INGREDIENTS.....	3.00%
TOTAL.....	100.00%

EPA Reg. No. 2935-92

EPA Est. No. 2935-CA-12

## KEEP OUT REACH OF CHILDREN CAUTION

### PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if absorbed through skin, swallowed, or inhaled. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse.

#### FIRST AID

If on skin:	<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>
If swallowed:	<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 by a poison control center or doctor.</li><li>• Do not give anything to an unconscious person.</li></ul>
If inhaled:	<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>
If in eyes:	<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><li>• Call a poison control center or doctor for treatment advice.</li></ul>

**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 following EMERGENCY TELEPHONE NUMBERS:**  
(800) 424-9300 CHEMTREC (transportation and spills)  
(800) 222-1222 POISON CONTROL CENTER (human health)  
(888) 426-4435 ASPCA (animal health)

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

Applicators and other handlers must wear: A) Long-sleeved shirt and long pants; B) Chemical-resistant gloves made of any waterproof material such as polyethylene or polyvinyl chloride; C) Shoes plus socks; and D) Safety glasses.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exists, use detergent and hot water. Keep and wash PPE separately from other laundry.

## **USER SAFETY RECOMMENDATIONS**

User should:

- 1) Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
  - 2) Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
  - 3) 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 or rinsate. Do not apply when weather conditions favor drift from treated areas.

## **PHYSICAL AND CHEMICAL HAZARDS**

Sulfur dust suspended in air ignites easily. Keep away from heat, sparks or flame. Do not smoke while applying this product.

## **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 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 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), 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.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 24 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: A) Coveralls; B) Chemical-resistant gloves made of any waterproof material; C) Shoes plus socks; and D) Safety glasses.

## **USE RESTRICTIONS**

Do not apply this product within 2 weeks of an oil application unless in a dormant or delayed dormant application on pome and stone fruit, or unless specified otherwise, for the individual crop, in the APPLICATION RATES section (see Citrus). This restriction does not apply to crop oil concentrates.

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

## USE PRECAUTIONS

Sulfur may burn foliage and fruit on sensitive varieties if applied when temperatures exceed 90° F or during periods when the temperatures within 3 days after application are expected to exceed 90° F in the treated area.

If the crop to be treated will be used for canning or freezing purposes, consult the food processor before applying sulfur.

## PRODUCT INFORMATION

Consult with your State Agricultural Experiment Station or State Agricultural Extension Service personnel for additional information consistent with label cautions and directions.

Pour prescribed amount of this material through screen on surface of water in nearly filled spray tank, or pre-mix in a bucket half filled with water and pour mixture into nearly filled spray tank. Add balance of water to fill tank. Keep agitator running during filling and spraying operations. Do not allow mixture to stand. Do not use in low-volume gear-type spray equipment. This product is formulated for application by ground or air equipment.

### DILUTE GROUND APPLICATIONS:

- A. Orchard Application – Apply specified rate in 100 to 800 gallons of water per acre.
- B. All other Applications – Apply specified rate in 20 to 60 gallons of water per acre.

### CONCENTRATED GROUND APPLICATION:

- A. Orchard Application – Apply specified rate in 20 to 100 gallons of water per acre.
- B. All Other Applications – Apply specified rate in not less than 5 gallons of water per acre.

### AERIAL APPLICATION:

- A. Orchard Rates – Do not apply in less than 10 gallons of water per acre.
- B. All Other Applications – Apply specified rate in 5 to 20 gallons of water per acre.

## APPLICATION RATES

For control of mites, use higher rates shown under conditions of high pest pressure. For control of fungi, use higher rates shown when weather conditions indicate a potential for increased pest pressure.

**ALFALFA:** LYGUS, PACIFIC and STRAWBERRY (ATLANTIC) MITES – Use 10-20 lb. per acre. Repeat at 1-2 week intervals.

**ALMONDS:** BROWN ROT, SCAB, SHOTHOLE – Use 8-30 lb. per acre in pre-bloom, bloom and post-bloom periods. Apply when disease threatens or during rain periods and repeat at 7-10 day intervals. BROWN ALMOND, EUROPEAN RED, TWO-SPOTTED, PACIFIC and STRAWBERRY (ATLANTIC) MITES – Use 12-25 lb. per acre. Apply when infestation first occurs and repeat as necessary.

**APPLES:** SCAB, POWDERY MILDEW – Apply 8-15 lb. per acre from green tip or pre-blossom through second cover spray. Add 1 gallon lime sulfur in green tip and calyx sprays. Use on sulfur tolerant varieties only. Macintosh, Golden Delicious, Jonathan and certain other varieties may be injured by sulfur under certain climatic conditions.

**BEANS:** For the control of SPIDER MITE and POWDERY MILDEW, use 8-15 lb. per acre. Begin application when disease first appears. Repeat as necessary. Certain varieties may be injured by applications of sulfur. For these crops, it is recommended that a test be conducted on a small number of plants to check for sulfur sensitivity prior to application to the entire field.

**BLACKBERRIES, BOYSENBERRIES, DEWBERRIES, LOGANBERRIES, RASPBERRIES:** POWDERY MILDEW – Use 23-38 lb. per acre. Begin when new shoots are 6 inches long and before blossoms open. Repeat at 10 day intervals or as necessary.

**BLUEBERRIES, HUCKLEBERRIES, CURRANTS, GOOSEBERRIES:** POWDERY MILDEW – Use 15-38 lb. per acre. Begin when disease is expected to appear. Repeat at 7-10 day intervals or as necessary.

**CARROTS:** PETROBIA MITE, POWDERY MILDEW – Use 9-14 lb. per acre. Apply when mites or disease first appear, and repeat as necessary.

**CHERRIES:** BLOSSOM BLIGHT, BROWN ROT, LEAF SPOT, POWDERY MILDEW – Apply 8-12 lb. per acre. Begin in popcorn stage. Repeat at bloom, petal fall and in cover stages at 7-14 day intervals or when infestations of powdery mildew first appear and as a postharvest foliar treatment for LEAF SPOT.

**CITRUS:** SIX-SPOTTED and CITRUS MITES – Use 8 lb. per acre; CITRUS FLAT and YUMA SPIDER MITES – Apply 75-100 lb. per acre. **RESTRICTIONS:** Do not apply within 21 days of an oil spray.

**CORN, SMALL GRAINS (BARLEY, OATS, RYE, WHEAT), SORGHUM, SOYBANS:** TWO-SPOTTED, GRASS BANKS and PACIFIC MITES, ATLANTIC MITE (SMALL GRAINS ONLY), POWDERY MILDEW – Use 6-14 lb. per acre. Apply when disease first appears or when mites appear on bottom leaves, and repeat as necessary.

**COTTON:** For control of STRAWBERRY (ATLANTIC) MITES – Use 3-10 lb. per acre. For air applications, use 5-10 gallons of water per acre. For ground applications use 20-40 gallons per acre.

**GRAPES: POWDERY MILDEW** – Concentrate Spray – 2-5 lb. per acre in sufficient water for coverage. Dilute Spray – 2-5 lb. per 100 gallons depending on the amount of foliage present and severity of infestation. Apply when shoots are 1-3 inches long, repeat before blossoms open and continue as necessary on a 7-10 day cycle.

**NOTE:** Concord and other Labrusca type grapes may be injured by sulfur. Sulfur can cause injury to foliage and fruit on all varieties when applied just before or on days when temperatures exceed 100 degrees.

The amount per acre may be reduced during periods of high temperatures to reduce burning. In some counties there is a 3-day reentry period when using sulfur. Consult your local county agricultural commissioner.

**MACADAMIA NUTS:** For control of BROAD MITES – Use 6 lb. of Spray Sulfur per 10-20 gallons of water for aerial applications or 100 gallons of water for thorough spray applications by ground equipment. Apply when mites first appear and repeat as necessary to maintain control. **RESTRICTIONS:** Do not apply in combination with emulsifiable pesticide formulations since foliar injury may occur. May be applied up to 24 hours before harvest.

**MELONS: POWDERY MILDEW** – Use 19-24 lb. per acre. Treat when disease first appears. Repeat as necessary. Certain varieties may be injured by application of sulfur. For these crops, it is recommended that a test be conducted on a small number of plants to check for sulfur sensitivity prior to application to the entire field.

**ONIONS: PETROBIA MITE, POWDERY MILDEW** – Use 4-19 lb. per acre. Begin when disease or mites first appear and repeat as necessary.

**PAPAYAS:** For control of MITES – Use 6 lb. of Spray Sulfur in 100 gallons of water by ground equipment. Apply when mites first appear and repeat as necessary to maintain control.

**RESTRICTIONS:** Do not apply in combination with emulsifiable pesticide formulations since foliar injury may occur. Do not apply to low vigor, moisture stressed plants. Do not apply prior to or during periods of excessively high temperatures, unseasonably low rainfall or within two weeks of an oil spray. May be applied up to 24 hours before harvest.

**PEACHS and NECTARINES: BROWN ROT, CORYNEUM BLIGHT, RUST, PEACH SILVER MITE, POWDERY MILDEW** – Apply 10-18 lb. per acre from popcorn stage up to harvest. For BROWN ROT control in summer sprays apply up to 30 lb. per acre starting about 4-5 weeks before harvest and continuing at weekly intervals.

**PEANUTS: RUST** – Use 3-11 lb. per acre. Begin application approximately 6 weeks after planting. Repeat at 7-10 day intervals as long as Rust control is required.

**PEARS: SCAB, POWDERY MILDEW** – Apply 8 lb. plus 1 gallon lime sulfur per acre in the green tip or pre-blossom stage. On Bartlett pears, apply 8-18 lb. at petal fall through second cover sprays. Sensitive varieties (e.g., Anjou, Comice) under certain climatic conditions may be injured by sulfur.

**PEAS: POWDERY MILDEW, RUST, SPIDER MITES** – Use 4-9 lb. per acre. Begin when disease or mites first appear. Repeat at 7-10 day intervals.

**PISTACHIOS: CITRUS FLAT MITE** – Use 50 lb. per acre. Apply when mites first appear and repeat as necessary.

**PLUMS, PRUNES: BROWN ROT, PRUN RUST** – apply 10-18 lb. per acre in summer sprays. Make first application about 5 weeks before harvest and thereafter at weekly intervals if wet weather occurs.

**POTATOES: POWDERY MILDEW, TWO-SPOTTED SPIDER MITE** – Use 4-9 lb. per acre. Apply when disease or mites first appear. Repeat at 3-4 week intervals or as necessary.

**STRAWBERRIES: POWDERY MILDEW** – Apply 4-15 lb. per acre. Begin at first sign of disease and repeat as necessary. Discontinue applications during hot weather. Sulfur may injure strawberries under certain climatic conditions.

**SUGAR BEETS: POWDERY MILDEW** – Apply 8-10 lb. per acre in 40-50 gallons of water. Apply when disease first appears. Repeat applications at 3-4 week intervals or as necessary.

**TOMATOES: TOMATO RUSSET MITE** – Apply 6-10 lb. per acre in sufficient water for thorough coverage. May be applied with ground equipment or aircraft, depending on local conditions.

## ORNAMENTALS

**FOR ORNAMENTAL CROPS: BLACK SPOT, POWDERY MILDEW, RUST** – Apply 5-6 lb. per 100 gallons (or 3 tablespoons per gallon). Spray for full coverage wetting both sides of leaves. Begin when disease appears and repeat at 5-10 day intervals and after rain.

**ASTERS, CARNATIONS** – For control of POWDERY MILDEW and RUST.

**CALENDULAS, CEDARS, CHERRY LAURELS, CHRYSANTHEMUMS, HOLLYHOCK, JUNIPER, SMILAX, SPRUCE** – For control of LEAF SPOT and POWDERY MILDEW.

**CLEMATIS, COLUMBINE, ENGLISH IVY, LAUREL, PETUNIA, SAGE** – For control of LEAF SPOT.

**COSMOS, CREPEMYRTLE, DAHLIA, DELPHINIUM, DOGWOOD, EUONYMUS, GLADIOLUS, GOLDEN FLEECE,**

HIBISCUS, HOLLY, LADY'S MANTLE, LIGUSTRUM, LILAC, POPLARS, SILVERVINE, SPIREA, SUNFLOWER, SWEETPEA, VERBEANA, VIOLETS, WILLOWS, ZINNIAS – For control of POWDERY MILDEW.

ROSES – For control of BLACK SPOT, POWDERY MILDEW, RUST.

#### STORAGE AND DISPOSAL

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

**Pesticide Storage:** Store in original container only and keep sealed. Store in closed storage areas. Use caution when moving, opening, closing or pouring.

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

**Non-refillable Container:** Do not reuse or refill this container. Completely empty bag into application equipment, then offer for recycling if available or dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

Conditions of Sale and Limitation of Warranty and Liability:

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using the product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

**ALL STATEMENTS MADE HEREIN ARE SUBJECT TO APPLICABLE LAW, AND TO THE EXTENT THERE IS ANY INCONSISTENCY OR CONTENTION, APPLICABLE LAW SHALL GOVERN.**

The Directions for Use of the product must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness, or other unintended consequences may result because of many different factors including, without limitation, manner of use or application, weather, combination with other products, or crop conditions. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold Manufacturer and Seller harmless from any claims relating to such factors.

**Seller warrants that this product conforms to the chemical description on the label. EXCEPT FOR THIS WARRANTY, THE PRODUCT IS FURNISHED "AS-IS," AND NEITHER SELLER NOR MANUFACTURER MAKES ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, WITH RESPECT TO THE SELECTION, PURCHASE OR USE OF THIS PRODUCT; SELLER AND MANUFACTURER SPECIFICALLY DISCLAIM ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE BEYOND WHAT IS STATED ON THE LABEL. Buyer and User accept all risks arising from any use of this product, including without limitation, uses contrary to label instructions, or under conditions not reasonably foreseeable to (or beyond the control of) Seller or Manufacturer.**

Neither Manufacturer nor Seller shall be liable for any incidental, consequential or special damages resulting from the use or handling of this product. THE EXCLUSIVE REMEDY OF THE BUYER OR USER, AND THE EXCLUSIVE LIABILITY OF MANUFACTURER AND SELLER, FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THIS PRODUCT, OR, AT THE ELECTION OF MANUFACTURER OR SELLER, THE REPLACEMENT OF THE PRODUCT.

These Conditions of Sale and Limitation of Warranty and Liability shall be interpreted, unless otherwise required by the law of the state of purchase, in accordance with the laws of the State of California, excluding its conflicts of laws rules, and may not be amended by any oral or written agreement.

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**In Case of Emergency,  
Call CHEMTREC: (800) 424-9300**

**Manufactured by:  
WILBUR-ELLIS COMPANY LLC  
P.O. Box 16458  
Fresno, CA 93755**

**NET CONTENTS: 50 POUNDS**

Batch Code\_\_\_\_