

JUL 8 1992

Ms. Joanne Pratt
Product Registration & Labeling Specialist
The Wilbur-Ellis Company
191 W. Shaw Avenue, Suite 107
Fresno, CA 93704

Subject: RED-TOP SPRAY SULFUR
EPA Red. No. 2935-92
Application for Pesticide Amendment of 03/16/92

The amendment referred to above, submitted in connection with registration under section 3(c)(7)(A) of the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), is acceptable provided you:

1. Submit/cite all data or other material required for registration/reregistration of your product under FIFRA section 3(c)(5) or FIFRA section 4 when the Agency requires all registrants of similar products to submit such data.
2. Make the following labeling change before you release the product for shipment bearing the amended labeling: In the sentence following the section on "Pesticide Handlers", change "Some burning may occur when used during warm weather." to: "Some burning of plant foliage may occur when used during warm weather." or delete this sentence since the information is repeated later.
3. Submit five (5) copies of your final printed labeling before you release the product for shipment. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

Sincerely yours,

Susan T. Lewis
Product Manager (21)
Fungicide-Herbicide Branch
Registration Division (H7505C)

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ACCOUNT
with CO
to EPA

WILBUR-ELLIS
SPRAY SULFUR

Use
Prep
and
Reg

2935-92

| ACTIVE INGREDIENT: | BY WT. |
|-------------------------|--------|
| SULFUR..... | 97.0% |
| INERT INGREDIENTS:..... | 3.0% |
| TOTAL | 100.0% |

EPA REG. NO. 2935-92-AA

EPA EST. NO. 2935-CA-1

KEEP OUT OF THE REACH OF CHILDREN!

CAUTION:

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

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

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STATEMENT OF PRACTICAL TREATMENT

If swallowed: Call a physician or poison control center. Promptly drink one or two glasses of water and induce vomiting by touching back of throat with fingers. Do not induce vomiting or give anything by mouth to unconscious person.

If Inhaled: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. Get medical attention.

If In Eyes: Flush with a gentle steady stream of water for 15 minutes. Get medical attention.

If on Skin: Wash with plenty of soap and water. Get medical attention if irritation persists.

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.

PHYSICAL HAZARD

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.

RE-ENTRY STATEMENT

Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons.

Do not enter treated areas until at least 24 hours after completion of application to the area unless wearing the protective clothing listed below. During early reentry into treated areas (less than 24 hours after the completion of application) to perform hand labor tasks, wear long pants (or coveralls), long sleeved shirt, shoes, socks, chemical/water resistant gloves, goggles or face shield.

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Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. Oral warnings should specify protective clothing, areas or fields that cannot be entered without this clothing, period of time area is to be vacated, and statement of practical treatment in case of exposure. When oral warnings are given, warnings shall be given in a language customarily understood by workers. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers. Warnings must include the following information: "Caution. Area treated with Sulfur on (date of application). Do not enter without appropriate clothing for 24 hours. (Insert here action to take in case of accidental exposure.)"

Pesticide Handlers: During mixing, loading, and application of this product, wear long pants (or coveralls), long sleeved shirt, shoes, socks, chemical/water resistant gloves, goggles or face shield.

Some burning may occur when used during warm weather.

Sulfur will cause severe fruit and leaf injury to sulfur sensitive crops. Use only as directed on label.

Do not apply when shade temperatures exceed or are likely to exceed 90°F. Sulfur may burn foliage and fruit during periods of high temperature and under certain climatic conditions. Do not use sulfur within 30 days of an oil spray (60 days on citrus). If the crop to be treated will be used for canning or freezing purposes, consult food processor before applying sulfur.

Pour recommended 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 use in low-volume gear-type spray equipment. Do not combine with emulsifiable liquids in the same tank.

This product is formulated for application by ground or air equipment.

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

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.

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

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DILUTE GROUND APPLICATION:

- 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 gallon 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 Application--Apply specified rate in not less than 5 gallons of water per acre.

AERIAL APPLICATION

- A. Orchard Rates--Should not be applied 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.

RECOMMENDATIONS FOR USE

ALFALFA: Lygus, Pacific and Strawberry (Atlantic) Mites: Use 10-20 lbs per acre. Repeat at 1-2 week intervals.

ALMONDS: Brown Rot, Scab, Shothole - Use 8-30 lbs 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 lbs per acre. Apply when infestation first occurs and repeat as necessary.

APPLES: SCAB, POWDERY MILDEW - 8-15 lbs per acre from green tip or pre-blossom spray 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 lbs per acre. Sulfur may injure certain varieties of beans. Begin application when disease first appears. Repeat as necessary.

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

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BLUEBERRIES, HUCKLEBERRIES, CURRANTS, GOOSEBERRIES: Powdery mildew - Use 15-38 lbs 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 lbs 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 lbs per acre. Begin in popcorn stage. Repeat at bloom, petal fall and in cover stages at 7-14 day intervals, or when infestation of powdery mildew first appears, and as a post harvest foliar treatment for Leaf Spot.

CORN, SMALL GRAINS (Barley, Oats, Rye, Wheat), SORGHUM, SOYBEANS: Two-Spotted, Grass Banks, and Pacific Mites, Atlantic Mite (Small grains only), Powdery Mildew - Use 6-14 lbs 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 to 10 lbs per acre. For air applications, use 5 to 10 gallons of water per acre.

For ground applications use 20 to 40 gallons per acre.

CITRUS: Six-Spotted and Citrus Mites. Apply 8 lbs per acre; Citrus Flat and Yuma Spider Mites - apply at least 60 lbs per acre.

GRAPES: Powdery Mildew - Concentrate Spray = 2-5 lbs per acre in sufficient water for coverage.
Dilute Spray - 2-5 lbs per 100 gallons depending on the amount of foliage present and severity of infection.
Apply when shoots are 1-1/2" - 3" 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 re-entry period when using sulfur. Consult your local county agricultural commissioner.

MELONS: Powdery Mildew - Use 19-24 lbs per acre. Treat when disease first appears. Repeat as necessary. Powdery Mildew may be controlled by sulfur, but sulfur often injures the vines, particularly if the temperature reaches 95° F. DO NOT USE ON SULFUR SENSITIVE VARIETIES.

ONIONS: Petrobia Mite, Powdery Mildew- Use 4-19 lbs per acre. Begin when disease or mites first appear and repeat as necessary.

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PEACHES and NECTARINES: Brown Rot, Coryneum Blight, Rust, Peach Silver Mite, Powdery Mildew - Apply 10-18 lbs per acre from popcorn stage up to harvest.

For Brown Rot control in summer sprays apply up to 30 lbs per acre starting about 4-5 weeks before harvest and continuing at weekly intervals.

PEANUTS: Rust - Use 3-11 lbs 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 lbs plus 1 gallon lime sulfur per acre in the green tip or pre-blossom spray. On Bartlett pears apply 8-18 lbs 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 lbs per acre. Begin when disease or mites first appear. Repeat at 7-10 day intervals.

PISTACHIOS: Citrus Flat Mite- Use 50 pounds per acre. Apply when mites first appear and repeat as necessary.

PLUMS, PRUNES: Brown Rot, Prune Rust - Apply 10-18 lbs. 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 lbs per acre. Apply when disease or mites first appear. Repeat at 3-4 week intervals or as necessary.

STRAWBERRIES: Powdery Mildew - Apply 4-15 lbs 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 lbs per acre in 40 to 50 gallons of water.

Apply when disease first appears. Repeat applications at 3 to 4 week intervals or as necessary.

TOMATOES: Tomato Russet Mite - Apply 6 - 10 lbs per acre in sufficient water for thorough coverage. May be applied with ground equipment or aircraft, depending on local conditions.

ORNAMENTALS

For ornamental crops, apply 5-6 lbs per 100 gallons of water (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.

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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, CREPE MYRTLE, DAHLIA, DELPHINIUM, DOGWOOD, EUONYMUS,
GLADIOLUS, GOLDEN FLEECE, HIBISCUS, HOLLY LADY'S MANTLE, LIGUSTRUM,
LILAC, POPLARS, SILVER VINE, SPIREA, SUNFLOWER, SWEET PEA, VERBENA,
VIOLETS, WILLOWS, ZINNIAS: For control of Powdery Mildew.
ROSES: For control of Black Spot, Powdery Mildew, Rust.

STORAGE AND DISPOSAL

1) PROHIBITIONS: Do not contaminate water, food or feed by
storage or disposal.

2) PESTICIDE DISPOSAL: Completely empty bag into application
equipment. Then 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.

4) GENERAL: Store in original container only and keep sealed.
Store in closed storage areas. Use caution when moving, opening,
closing or pouring.

NOTICE: The statements made on this label are believed to be true
and accurate, but because of conditions of use which are beyond our
control, WILBUR-ELLIS COMPANY does not make, nor does it authorize
any agent or representative to make, any warranty, guaranty or
representation, expressed or implied, concerning this material or
the use thereof, except in conformity with the statements on the
label. Neither WILBUR-ELLIS COMPANY nor the seller shall be held
responsible in any manner for any personal injury or property
damage or loss resulting to the buyer or to the other person from
handling, storage or use of this material, not in accordance with
directions. The buyer assumes all risk and liability resulting
from improper handling, storage or use and accepts and uses this
material on these conditions.

IN CASE OF EMERGENCY, CALL CHEMTREC: (800) 424-9300