



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

APR 18 1994

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

Joanne Striebich  
WILBUR ELLIS CO.  
191 W. Shaw Avenue  
Fresno, CA 93704

Subject: Label Amendment Submission of 09/17/93 in Response to PR Notice 93-7  
EPA Reg. No. 2935-504  
SIGNAL BRAND DUSTING SULFUR

Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is accepted subject to the comments reflected on the enclosed sheet. A copy of your proposed labeling stamped "ACCEPTED WITH COMMENTS" is enclosed.

**WHAT THIS ACCEPTANCE MEANS:**

Based on your certification, the Agency has accepted the labeling changes that are necessary to comply with the Worker Protection Standard (WPS) labeling requirements of 40 CFR part 156, subpart K, described in PR Notices 93-7 and 93-11. Any other labeling changes submitted in connection with this amendment application but not directly related to compliance with the WPS have not been reviewed or accepted by the Agency. If you wish to make such changes, you must submit a separate amendment application proposing them. If your product is currently suspended, the acceptance of this labeling amendment does not affect the suspension in any way.

**WHAT YOU NEED TO DO NEXT:**

By the next label printing make all the specified changes to your labeling. Send to EPA one (1) copy of the final printed labeling:

- BEFORE selling or distributing any product bearing the final printed labeling
- AND
- WITHIN one year from date of this acceptance.



Recycled/Recyclable  
Printed with Soy/Canola Ink on paper that  
contains at least 50% recycled fiber

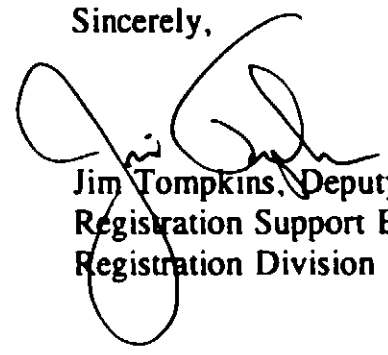
Submit the final printed labeling via the U.S. Postal Service to:

Document Processing Desk (FIN-LABEL)  
Office of Pesticide Programs (7505C)  
U.S. Environmental Protection Agency  
401 M Street, SW  
Washington, D.C. 20460-0001

Hand or courier deliveries of final printed labeling may be made to:

Document Processing Desk (FIN-LABEL)  
Office of Pesticide Programs  
Room 266A, Crystal Mall 2  
1921 Jefferson Davis Highway  
Arlington, VA 22202

Sincerely,



Jim Tompkins, Deputy Chief  
Registration Support Branch  
Registration Division (7505W)

Attachment

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Registration Division

Joanne Striebich  
WILBUR ELLIS CO.  
191 W SHAW AVE  
FRESNO CA 93704

Comment for: EPA Reg Nr.2935-504  
SIGNAL BRAND DUSTING SULFUR

The following specific comments pertain to your WPS labeling submission concerning the product cited above:

Add the following User Safety Recommendation to the label in the location shown in Section A on Part I of the Product Worksheet in Supplement Three-A to PR Notice 93-7: "Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.

Add the following User Safety Recommendation to the label in the location shown in Section A on Part 1 of the Product Worksheet in Supplement Three-A to PR Notice 93-7: "Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing."

The Agricultural Use Requirements section must be located in a clearly separate box on the product labeling -- with lines or other graphic indicators (such as contrasting color) to separate the section from the surrounding text.

You have incorrect wording in the first paragraph in the Agricultural Use Requirements box on your proposed label. That paragraph must contain the exact wording of the paragraph shown as "2" in Section F on Part 2 of the Product Worksheet in Supplement Three-A to PR Notice 93-7.

You have incorrect wording in the second-to-last sentence in the first pararaph in the Agricultural Use Requirements box on your proposed label. The sentence must be as follows: "It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry interval."

Delete the crossed-out statements on your proposed label. They are redundant statements or phrases.

WILBUR ELLIS CO.  
EPA Reg. Number: 2935-504  
SIGNAL BRAND DUSTING SULFUR  
Application date: 09/17/93  
Original Submission

Correct the typographical errors circled on your proposed label.

# SIGNAL™

## DUSTING SULFUR

An Agricultural Insecticide and Fungicide

### ACTIVE INGREDIENT:

Sulfur ..... 99%

INERT INGREDIENTS ..... 2%

TOTAL 100%

EPA Reg. No. 2935-504

EPA Est. No. 2835-CA-1

### KEEP OUT OF REACH OF CHILDREN

## CAUTION:

#### STATEMENT OF PRACTICAL TREATMENT

If an adverse reaction occurs after exposure: Promptly start the recommended procedures below. Seek medical attention if further treatment is required.

If a large amount of this material is swallowed: Give several glasses of water. Induce vomiting by gagging the victim with a finger placed on the back of the victim's tongue. Give fluids until vomitus is clear. Do not induce vomiting or give anything by mouth to an unconscious or convulsing person.

If inhaled: Remove to fresh air. Seek medical attention if respiratory irritation occurs or if breathing becomes difficult.

In case of contact: Flush all affected areas with plenty of water for several minutes. Remove and clean contaminated clothing and shoes.

For eye contact: Hold eyelids apart and flush with plenty of water for 15 minutes. Get medical attention if irritation occurs.

#### PRECAUTIONARY STATEMENTS

##### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

### CAUTION

Do not take internally. Avoid contact with skin, eyes, and clothing. Wash thoroughly after handling.

#### PERSONAL PROTECTIVE EQUIPMENT

Applicators and other handlers must wear:

- A) Long sleeved shirt
- B) Long pants
- C) Waterproof gloves
- D) Shoes plus socks

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.

#### 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 AND CHEMICAL HAZARDS

BURNING SULFUR EMITS HIGHLY TOXIC FUMES. SULFUR DUST SUSPENDED IN AIR IGNITES EASILY.

Keep away from heat, sparks and flame. Avoid creating dust in handling. Keep container closed. Use with adequate ventilation. Keep from contact with oxidizing materials.

In Case of Fire: Use water spray, fog CO<sub>2</sub>, or sand. Wear NIOSH approved self-contained breathing apparatus.

### STORAGE AND DISPOSAL

1. Prohibitions: Do not contaminate water, food or feed by storage or disposal.
2. Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.
3. Container 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.

**SPILL OR LEAK:** Small spills can be handled routinely. Use adequate ventilation and wear a respirator or a dust mask to prevent irritation. Wear suitable protective clothing and eye protection to prevent skin and eye contact. Use the following procedures.

Sweep or shovel up spilled material using a natural fiber broom and/or aluminum shovel to reduce sparking. Be careful not to create dust as an explosion could result. Place sweepings in an appropriate chemical waste container. Seal container and dispose of in an approved facility. Flush spill area with detergent and water to remove any residue.

### 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.

#### AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protective 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 protective equipment (PPE). 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 workers 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) Waterproof gloves
- C) Shoes plus socks

### PRODUCT INFORMATION

Sulfur will cause severe fruit and leaf injury to sulfur-sensitive crops. Do not use on apricots, Anjou and comice pears, cranberries, cucurbits (cucumbers, squash and some varieties of melons), fiberts, spinach, tung trees, walnuts and other sensitive plants.

Except on cotton, do not apply when shade temperatures exceed or are likely to exceed 90°F.

Sulfur may burn foliage and fruit during periods of high temperatures and under certain climatic conditions.

Do not use sulfur within 30 days of an oil spray (60 days on citrus).

(continued on next page)

ACCEPTED  
with COMMENTS  
In EPA Letter Dated

Distributed by



APR 10 1991  
Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.

P.O. Box 16458 • Fresno, CA 93755 2935-504

## PRODUCT INFORMATION

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

Consult State Agricultural Experiment Stations or the State Agricultural Extension Service for additional information, as the timing and number of applications needed will vary with local conditions.

Apply the specified amounts of this product uniformly to the foliage when air is calm, using ground power equipment or aircraft. Except as otherwise shown, apply at the first sign of infection and repeat at 7-10 day intervals as needed to maintain control.

Use the higher dosage during periods of frequent and heavy rainfall. Spray often enough to keep susceptible growth covered. This may require weekly or bi-weekly applications during periods of rapid growth and frequent rainfall.

## RECOMMENDATIONS

### FRUIT CROPS

**APPLES:** Scab, powdery mildew — apply 30-35 lbs. per acre in the green tip to pink bud stage. Macintosh, Golden Delicious, Jonathan and certain other varieties may be injured by sulfur. Use on sulfur-tolerant varieties only.

**CHERRIES:** Blossom blight, brown rot, powdery mildew — apply 50 lbs. per acre in the popcorn, full bloom and petal-fall stages. Leaf spot, powdery mildew — apply 50 lbs. per acre at petal-fall, shuck-fall and 2 weeks after shuck-fall.

**CITRUS:** Six-spotted and citrus rust mites — apply 80 lbs. per acre. Citrus and Yuma spider mites — apply 100 lbs. per acre. Citrus thrips — apply 100 lbs. per acre in three applications: mid-March, petal-fall, and 2-4 weeks later. Avoid applications during or preceding high temperatures. Do not apply within 2 months of an oil spray.

**GRAPES:** Rust, powdery mildew — apply 5-10 lbs. per acre in successive applications: when shoots are 6" long, shoots 12-15" long, 14 days afterwards, and 10-14 days thereafter to harvest. Caution: Concord and Labrusca type grapes may be injured by sulphur.

**PLUMS, PRUNES:** Brown rot, leaf spot, prune rust — apply 35-50 lbs. per acre. For brown rot of fruit, dust when fruit begins to ripen. For leaf spot and rust begin at pink stage, repeat at bloom, petal-fall, shuck-fall and in cover period apply as necessary.

**STRAWBERRIES:** Powdery mildew — apply 10-20 lbs. per acre.

### VEGETABLE AND FIELD CROPS

**ALFALFA:** Spider mites — apply 15-25 lbs. per acre. Caution: sulfur may cause petal burn to open flowers.

**BEANS:** Powdery mildew, rust, spider mites — apply 15-30 lbs. per acre. For rust control start applications as soon as the first true leaves form and continue at weekly intervals until blossom time. Caution: may cause injury to some varieties of beans.

**CARROTS:** Petrobia mite — apply 30-35 lbs. per acre.

**CLOVER:** Powdery mildew, spider mites — apply 15-25 lbs. per acre.

**COTTON:** Atlantic mite, cotton rust — apply 25-30 lbs. per acre.

**GRASS SEED CROPS:** Timothy mite — apply 30 lbs. per acre.

**MELONS (Honeydew and sulfur-resistant melons only):** Powdery mildew, spider mites — apply 20-25 lbs. per acre.

**ONIONS:** Petrobia mite — apply 20-30 lbs. per acre during warm weather.

**PEAS:** Powdery mildew — apply 15-20 lbs. per acre.

**SUGAR BEETS:** Spider mite — apply 30-35 lbs. per acre.

**TOMATOES:** Tomato russet mite — apply 15-40 lbs. per acre.

**TURNIPS and RUTABAGAS:** Powdery mildew — apply 15-20 lbs. per acre.

### ORNAMENTALS

Make full coverage application on both sides of leaves. Keep new growth protected.

**CHRYSANTHEMUM:** Powdery mildew, rust. Do not apply when flowering.

**HOLLYHOCK:** Rust

**ROSES, PERENNIALS, SHRUBS:** Black spot, powdery mildew, rust. Caution: some burning may occur when used during warm weather.

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.

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