

55429-3

02/10/2003

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

FEB 10 2003

Mr. Warren W. Boone
Continental Sulfur Company, LLC
P.O. Box 191
Kilgore, TX 75662

Subject: Amendment Updating First Aid in Accordance with PR Notice 2001-1
CSC Dusting Sulfur
EPA Reg. No. 55429-3
Your Submission Dated October 31, 2002

Dear Mr. Boone:

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable subject to the comments below.

1. Add Inhalation First Aid statements as follows:

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.
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2. Add the following statement to the "Hazards to Humans and Domestic Animals" section: "Causes moderate eye irritation." Available data indicate that this product is classified in category III based on eye irritation potential.
3. Revise the directions for control and/or suppression of mites on avocados, citrus, dates, figs, tomatoes, alfalfa grown for seed and hops to include information on both timing and frequency of applications. We requested that you include this information in our February 24, 1999 letter. In response, in most cases, you added the sentence "Apply when disease first appears." The term "disease" should not be used in this case, since "mites" are not "diseases". In addition, this statement provides no indication of how frequently the product should be applied.

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The statement which you have included for control of mites on "Pomegranates" would also be acceptable for the crops listed above: "Apply when mites first appear and repeat as necessary to maintain control."

A stamped copy of the label is enclosed for your records. Please submit one copy of the final printed labeling before the product is released for shipment.

Sincerely,

A handwritten signature in cursive script that reads "Mary L. Waller".

Mary L. Waller
Product Manager 21
Fungicide Branch
Registration Division (7505C)

Enclosure



Dusting Sulfur

ACTIVE INGREDIENT:

Sulfur 98%

INERT INGREDIENTS: 2%

TOTAL 100.0%

KEEP OUT OF REACH OF CHILDREN

CAUTION FIRST AID

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

55429-3

 ACCEPTED
with COMMENTS
In EPA letter dated:
FEB 10 2003

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.
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 further treatment advice.
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.
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 1-800-424-9300 for emergency medical treatment information.	

See other panel for additional "Precautionary Statements."

EPA Reg. No. 55429-3-AA

EPA Est. No. 55429-TX-1

 Manufactured by: **Continental Sulfur Company, LLC**
Net Weight

4200 Stone Rd., Kilgore, TX 75663

50 Lbs. (22.68 kg)

PRECAUTIONARY STATEMENTS

CAUTION

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Avoid breathing dust or spray mist. Avoid contact with skin, eyes, or clothing. Harmful if swallowed, inhaled or absorbed through skin.

PERSONAL PROTECTIVE EQUIPMENT

Applicators and other handlers must wear long-sleeved shirt and long pants, waterproof gloves, shoes plus socks, and protective eyewear.

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.

When handlers use closed systems, enclosed cabs or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in WPS.

(Continued on following pages)

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.

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.

PHYSICAL 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 the area during application. For any requirement 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) 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 coveralls, waterproof gloves, shoes plus socks and protective eyewear.

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Sulfur may cause severe fruit and foliage injury to certain crops. Sulfur sensitive plants include D'Anjou and Comice pears, apricots, cranberries, certain varieties of cucurbits, filberts, spinach, tung walnuts and certain ornamentals. Apples, pears and strawberries are susceptible to foliage burn with sulfur under certain climatic conditions. Sulfur may burn foliage when temperature is high. Do not apply if temperatures during or within 3 days after application are expected to exceed 90°F in the area to be treated. Do not use within 2 weeks of an oil spray treatment (on citrus within 3-6 weeks). When growing crops for processing, consult the processor before applying sulfur. When disease pressure or mite pressure is low, use the lower rates.

STORAGE AND DISPOSAL

PROHIBITIONS: Do not contaminate water, food or feed by storage or disposal of this product.

STORAGE: Store in a cool, dry, well-ventilated area.

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.

PRODUCT DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

FRUIT AND NUT CROPS

ALMONDS: Brown Rot, Blossom and Twig Blight, Scab, Shot Hole, Mite Suppression - Apply 40-45 lbs. per acre. Begin when disease threatens or in pre-bloom stage and repeat at 7 day intervals or as necessary.

APPLES: Apple Cedar Rust, Blossom Rot, Frog-eye Leaf Spot, Powdery Mildew, Quince Rust, Scab, Sooty Blotch - Apply 30-60 lbs. per acre from pre-pink through cover. **Caution:** Macintosh, Golden Delicious, Jonathan and certain other varieties may be injured by sulfur application under certain conditions.

AVOCADOS: Mite Suppression - Apply 50 lbs. per acre. Apply at first sign of disease.

BLACKBERRIES, BOYSENBERRIES, DEWBERRIES, LOGANBERRIES AND RASPBERRIES: Powdery Mildew - Apply 20-30 lbs. per acre. Begin when new shoots are 6 inches long and before blossoms open. Repeat at 10-day intervals or as necessary.

CURRANTS, GOOSEBERRIES, BLUEBERRIES AND HUCKLEBERRIES: Powdery Mildew - Apply 20-30 lbs. per acre. Begin when new shoots are 6 inches long and before blossoms open. Repeat at 10-day intervals or as necessary.

CHERRIES: Brown Rot, Blossom and Twig Blight, Leaf Spot, Powdery Mildew, Rust, Scab, Stem Blight - Apply 35-60 lbs. per acre. Begin in pink stage. Repeat at bloom, petal fall and in cover stages at 7-14 day intervals and as a post harvest foliar treatment for Leaf Spot.

CITRUS: Citrus Flat Mite (Brevipalpis) - Apply 100 lbs. per acre. **Citrus Red Spider Mite** - Apply 80 lbs. per acre. **Two-Spotted Mite** - Apply 50-60 lbs. per acre. Apply at first sign of disease.

DATES: Banks Grass Mite - Use 50-120 lbs. per acre, applying by ground or air. Use the higher rates by air. Thorough coverage is essential for good control. Apply at first sign of disease.

FIGS: Fly Rust Mite - Apply 40-50 lbs. per acre. Apply at first sign of disease.

GRAPES: Powdery Mildew - Apply 10-40 lbs. per acre. **Rust** - Apply 15-40 lbs. per acre. Begin when new shoots are 6 inches long. Repeat when blossoms open and continue as necessary. **CAUTION:** Concord and other *Vitis* type grapes may be injured by sulfur.

NECTARINES AND PEACHES: Brown Rot, Blossom and Twig Blight, Leaf Spot, Powdery Mildew, Rust, Scab, Shot Hole - Apply 35-60 lbs. per acre. Apply in pink, bloom, petal fall, shuck split, shuck fall and at 10-14 day intervals as long as necessary. For Brown Rot of fruit, apply when fruit starts to ripen.

PEARS: Brown Rot, Leaf Spot, Powdery Mildew, Rust, Scab - Apply 20-60 lbs. per acre at pre-bloom, bloom, petal fall and cover periods.

PISTACHIOS: Mites - Use 50 lbs. per acre making ground or air applications. This product may be applied to non-bearing and bearing pistachio trees up to day of harvest.

PLUMS AND PRUNES: Brown Rot, Blossom and Twig Blight, Leaf Spot, Powdery Mildew, Rust, Scab, Shot Hole - Apply 35-60 lbs. per acre beginning in late dormant stage for Shot Hole, at pink stage for other diseases. Repeat at bloom, petal fall, shuck fall and in cover periods as necessary. For Brown Rot of fruit, dust when fruit starts to ripen.

POMEGRANATES: To control Mites - use 50 lbs. per acre. Apply when mites first appear and repeat as necessary to maintain control.

QUINCE: Brown Rot, Powdery Mildew, Scab - Apply 35-60 lbs. per acre. Begin before disease is expected to appear. Repeat at 7-10 day intervals or as necessary.

STRAWBERRIES: Powdery Mildew - Apply 20-50 lbs. per acre. **CAUTION:** Sulfur may injure strawberries under certain climatic conditions. Begin at first sign of disease and repeat at 7-10 day intervals or as necessary.

VEGETABLE CROPS

ARTICHOKES: Leaf Spot - Apply 25-35 lbs. per acre. Begin when disease first appears and repeat at 7-10 day intervals or as necessary.

ASPARAGUS: Rust - Apply 20-35 lbs. per acre. Begin after cutting stops. Repeat at 7-10 day intervals through season.

BEANS: Leaf Spot, Powdery Mildew, Rust - Apply 20-35 lbs. per acre. Begin when first true leaves form or at first signs of disease. Repeat at 7-10 day intervals. **CAUTION:** Sulfur may injure certain varieties.

BEETS: Rust - Apply 20 lbs. per acre. Apply at first signs of disease. Repeat at 7-10 day intervals or as necessary.

BROCCOLI, BRUSSELS SPROUTS, CABBAGE, CAULIFLOWER, COLLARDS, KALE, RUTABAGAS AND TURNIPS: Powdery Mildew - Apply 20-25 lbs. per acre. Begin at first sign of disease. Repeat at 7-10 day intervals or as necessary.

CARROTS: Powdery Mildew, Rust - Apply 20-50 lbs. per acre. Begin at first sign of disease and repeat at 7-10 day intervals.

CELERY: Early and Late Blight - Apply 6-12 lbs. per acre. Begin as soon as plant emerges. Repeat at 7-10 day intervals or as necessary.

CUCURBITS: Powdery Mildew - Apply 15-20 lbs. per acre by air or ground. Do not use sulfur during high temperatures. Repeat at 7-10 day intervals as necessary.

EGGPLANT: Powdery Mildew - Apply 20-35 lbs. per acre. Begin when first true leaves appear. Repeat at weekly intervals.

GARLIC: Downy and Powdery Mildew - Apply 20-35 lbs. per acre before disease is expected to appear. Repeat at 7-10 day intervals or as necessary.

LETTUCE: Powdery Mildew - Apply 10-15 lbs. per acre. Begin at first sign of disease. Repeat as necessary.

MELONS: Powdery Mildew - Use 20-25 lbs. per acre. Powdery mildew may be controlled by dusting, but the sulfur often injures the vine, particularly if the temperature reaches 95°F. Treat when disease first appears. **Spider Mites** - Use 30-50 lbs. per acre. **DO NOT USE ON SULFUR-SENSITIVE VARIETIES.**

ONIONS: Botrytis Blight, Downy and Powdery Mildew - Apply 20-50 lbs. per acre. Begin before disease is expected to appear. Repeat as necessary.

PEAS: Powdery Mildew, Rust - Apply 20-35 lbs. per acre. Begin early in season before disease appears. Repeat at 7-10 day intervals.

PEPPERS: Powdery Mildew - Apply 20-35 lbs. per acre. Begin before disease appears. Repeat at weekly intervals.

POTATOES: Powdery Mildew - Apply 5-15 lbs. per acre. Apply before disease appears. Repeat at 7-10 day intervals or as necessary.

SPINACH: Powdery Mildew, Rust - Apply 8-30 lbs. per acre. Apply when disease first appears. Repeat at 7-10 day intervals.

TOMATOES: Russet Mite, Two-Spotted Mite - Apply 20-50 lbs. per acre. Apply when disease first appears.

FIELD CROPS

ALFALFA: Powdery Mildew, Rust Mites - Apply 20-50 lbs. per acre. Apply to stubble or when crop is not over 3-6 inches high or when disease appears. Repeat at 7-10 day intervals or as necessary.

ALFALFA GROWN FOR SEED: Red Spider Mites - 25-50 lbs. per acre. Apply at first sign of disease.

BARLEY, OATS, AND WHEAT: Rust - Apply 25-40 lbs. per acre. Apply at first sign of disease. Repeat at 7-10 day intervals.

CLOVER: Powdery Mildew, Rust - Apply 20 lbs. per acre beginning when crop is in bud stage or at first sign of disease. Repeat at 7-10 day intervals or as necessary.

COTTON: Rust - Apply 20-40 lbs. per acre. Begin when first true leaves form or when disease threatens. Repeat at 7-10 day intervals.

COWPEAS: Rust - Apply 20-25 lbs. per acre. Begin soon after seedling emerges. Repeat at 7-10 day intervals through season.

FLAX: Powdery Mildew - Apply 20-30 lbs. per acre. Begin at first sign of disease. Repeat at 7-10 day intervals or as necessary.

GRASS SEED CROPS: Timothy Mites - Apply 30 lbs. per acre. Apply when mites first appear and repeat as necessary.

HOPS: Mite Suppression - Apply 30-40 lbs. per acre.

PEANUTS: Leaf Spot, Powdery Mildew - Apply 20-25 lbs. per acre. Begin when plants are 10 days old or when first spots appear on lower leaves. Repeat at 10-14 day intervals and after rains. **For Rust** - Apply 20-30 lbs. per acre. Apply when disease threatens. Repeat at 7-10 day intervals or as necessary.

SOYBEANS: Leaf Spot, Powdery Mildew - Apply 8-15 lbs. per acre. Apply at first sign of disease. Repeat at 7-10 day intervals.

SUGAR BEETS: Rust (Puccinia), Powdery Mildew - Apply 15-50 lbs. per acre. Apply at first signs of disease. Repeat at 7-10 day intervals. No time limitations.

VETCH: Rust - Apply 25-40 lbs. per acre. Begin at first signs of disease. Repeat at 7-10 day intervals.

ORNAMENTAL CROP USE

ALDER, AZALEA, BUTTON BUSH, CATALPA, CHRYSANTHEMUMS, GLADIOLAS, HONEYSUCKLE, ROSES, SUNFLOWERS, SYCAMORE, ZINNIA: Powdery Mildew - Apply 20-40 lbs. per acre. Begin when disease appears and repeat at 5-10 day intervals and after rain or as necessary.

NOTICE: Seller warrants that the product conforms to its chemical description and is reasonably fit for the purposes stated on this label when used in accordance with directions under normal conditions of use; but neither this warranty nor any other warranty of merchantability or fitness for a particular purpose, expressed or implied, extends to the use of this product contrary to label instructions not reasonably foreseeable to the seller; the buyer assumes the risk of any such use.

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