



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

APR 15 1994

Stacy Schmidt
H.R. MCLANE, INC.
AGENT FOR: SURECO, INC.
7210 RED ROAD, SUITE 206
MIAMI, FL 33143

DIVISION OF
OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Subject: Label Amendment Submission of 01/27/94 in Response to PR Notice 93-7
EPA Reg. No. 769-558
LIME SULPHUR SOLUTION 32 BE

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

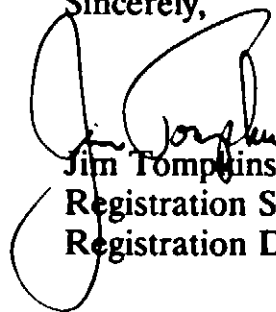
Submit the final printed labeling via the U.S. Postal Service to:

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

H.R. MCLANE, INC.
769-558 01/27/94
LIME SULPHUR SOLUTION 32 BE
Original Submission

You have incorrect wording in the second-to-last sentence in the first paragraph 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."

ACCEPTED
with COMMENTS
In EPA Letter Dated

APR 15 1994

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
769-558

SUREGARD LIME SULPHUR SOLUTION 32° BE'

Fungicide-Insecticide-Miticide

ACTIVE INGREDIENT:	
Calcium Polysulphide.....	30.00%
INERT INGREDIENTS:	70.00%
TOTAL	100.00%

KEEP OUT OF REACH OF CHILDREN
DANGER

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

Manufactured by:
SureCo, Inc.
Fort Valley, GA 31030

EPA REG #769-558

EPA EST #769-GA-1

Net Contents ___ oz.

PRECAUTIONARY STATEMENTS
Hazards to Humans and Domestic Animals

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, vapors or spray mist or get in eyes, on skin or clothing.

- Applicators and other handlers must wear:
- *Coveralls over long-sleeved shirt and long pants.
 - *Waterproof gloves
 - *Chemical resistant footwear plus socks.
 - *Protective eyewear
 - *Chemical Resistant headgear for overhead exposure.
 - *Chemical resistant apron when cleaning equipment, mixing or loading.
 - *Dust/Mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C).

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. 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.

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.

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Call a physician or poison control center. Promptly drink one or two glasses of water and induce vomiting or give anything by mouth to an 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 eyes with a gentle stream of water for 15 minutes. Get medical attention.

IF ON SKIN: Wash with plenty of soap and water. Get medical attention.

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

ENVIRONMENTAL HAZARDS

For terrestrial uses, do not apply directly to water, or 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 OR CHEMICAL HAZARDS

Do not apply or allow to drift to painted surface as a permanent stain may result. Do not combine Lime Sulphur with other pesticides unless previous experience has shown them to be compatible.

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.

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

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). 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 48 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 over long-sleeved shirt and long pants.
- *Waterproof gloves.
- *Chemical resistant footwear plus socks.
- *Protective eyewear.
- *Chemical-resistant headgear for overhead exposure.

USE PRECAUTIONS: Do not use this product within 30 days of an oil spray at any stage other than dormant (deciduous only). Lime Sulphur may burn foliage when temperature is high; avoid applying this material during very hot period of the day (above 80°F). Keep container tightly closed when not in use. If crust should form on the surface, break through the crust so product will pour. Product quality is not impaired by crystallization. Read entire label and use strictly in accordance with label directions.

DORMANT (WINTER) APPLICATIONS: DECIDUOUS FRUIT TREES, ORNAMENTAL SHRUBBERY AND BERRIES - To control scale insects and as a winter cleanup of overwintering disease spores of the diseases listed for each crop to other sections of the label, use 12 gallons SUREGARD Lime Sulphur to 100 gallons of water and spray during the dormant season before growth starts in the spring. Do not apply dormant spray to peaches immediately after or during periods of 5 days or more of unseasonable high temperatures if a sufficient number of dormant hours have occurred.

APPLES: To control scab and powdery mildew, use a delayed dormant application when buds begin to break and show green consisting of 5 gallons per 100 gallons. A second application using 1½ gallons per 100 gallons should be made after blossoms fall.

BLACKBERRIES: To control anthracnose, powdery mildew and rust, apply 6-12 gallons per 100 gallons in dormant or delayed dormant (green bud) stages. Use 2 quarts per 100 gallons when fruiting canes are about 1 foot long and before blossoms open. To control cane blight and overwintering fungus spores, apply 9.5 to 15.6 quarts per 100 gallons. Apply at spring bud swell. Repeat in late fall dormant period. Use higher rates when conditions for disease are most favorable; use lower dosage when conditions for disease are least favorable.

CHERRIES: To control coryneum blight and powdery mildew, apply 6 to 11 gallons per 100 gallons of water as a dormant or delayed dormant full coverage spray. Use higher rate when conditions for disease are most favorable, use lower dosage when conditions for disease are least favorable. To control brown rot blossom blight, leaf spot and scab on tart cherries, apply 1.5 gallons to 100 gallons of water in prebloom, early bloom and full bloom stages. To control brown rot on fruit, leaf spot and powdery mildew on tart cherries, apply ¼ gallon per 100 gallons and apply 3 to 5 sprays at weekly intervals just before harvest.

CITRUS: To control rust mites, apply in late spring (April or May) and again in late summer (August 15 to September 15) and autumn (October 15 to December 15) at the rate of 7½ pints per 100 gallons. Apply in January at the rate of 12½ pints per 100 gallons. Tangerines should be sprayed during late winter and early spring (February 15 to April 15). NOTE: Early and mid-season oranges may be injured from Lime Sulphur spray during summer and early fall months.

GRAPES: To control anthracnose, powdery mildew and mealybugs, apply 2 quarts per 100 gallons when shoots are 4 to 6 inches long. Use 1 pint plus 4 lbs. Sulphur on mature foliage. **DORMANT SPRAY:** Apply SUREGARD Lime Sulphur at the rate of 2 to 5 gallons per 100 gallons.

PEACHES: To control peach leaf curl, apply 6 to 8 gallons per 100 gallons and spray for thorough coverage. Apply during the dormant season (after all leaves are off and before buds begin to swell). For severe leaf curl problem, two applications may be necessary, first in dormant fall, second in dormant spring. To control brown rot blossom blight, apply 1 gallon per 100 gallons of water making the first application when blossoms first begin to open. Two or three additional applications at 3 day intervals should be made depending upon the length of the bloom period. To control brown rot, powdery mildew and leaf spots, apply 1 gallon per 100 gallons of water and apply 3 to 5 times at weekly intervals before harvest. Avoid spraying during hot periods of the day or during hot humid conditions. Trees should be sprayed only to drip point, not runoff, as excessive amounts of spray may cause injury.

PEARS: To control powdery mildew and scab, apply 6 to 11 gallons per 100 gallons as a full coverage dormant or delayed dormant spray or use 1 2/3 quarts per 100 gallons in prepink, pink and calyx periods. For powdery mildew, continue spraying at low rates listed throughout the growing season as needed. Use higher rate when conditions for disease are most favorable, use lower rate when conditions for disease are least favorable.

PECANS: To control yellow pecan aphids and mites (tetranychidae, eriophyidae) mix 1 gallon of Lime Sulphur Solution in 100 gallons of water. For mature trees, apply as a full coverage spray using 200 to 400 gallons of the mixture per acre (2 to 4 gallons Lime Sulphur per acre). For concentrate sprays, use the same amount of Lime Sulphur per acre that would be used with a full coverage spray. Thorough coverage is essential for control. Yellow Aphids - Spray as needed to prevent excessive honeydew buildup. Mites - Spray when infestation is first noticed.

PLUMS: To control blotch and powdery mildew, apply 1/2 gallon per 100 gallons and begin sprays 3 to 5 weeks before harvest. Repeat weekly until picking. To control brown rot, apply 6 1/2 pints per 100 gallons and apply 20, 10 and 2 days before harvest. To control leaf curl, apply 12 gallons per 100 gallons of water and apply in the dormant stage.

PSORPTIC AND SARCOPTIC MANGE: SUREGARD Lime Sulphur Solution is an effective treatment of Psorptic and Sarcoptic Mange in cattle, horses, sheep and swine. Directions - Dilute SUREGARD Lime Sulphur Solution with warm water in the following proportions and use as a dip or spray:

Horses and Cattle, 1 to 15; Sheep, 1 to 20; Swine, 1 to 15 or 20. Or when hand treating small areas of mange, dilute 1 to 10. Maintain the mixture between 95° and 105°F. Use the mixture only once and retreat animals at 12 day intervals if needed. Treatment may be repeated at 3 to 7 day intervals when treating swine.

STORAGE AND DISPOSAL

STORAGE: Store pesticide in original container and place in a locked storage area. Opened pesticide containers should be securely resealed prior to storage. Protect from excessive heat or cold. Avoid cross-contamination with other pesticides or fertilizers. Use caution when storing pesticides in stacks.

DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact you State Pesticide or Environmental Control Agency or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

IMPORTANT: Read these entire Directions and Conditions of Sale before using this product. **DISCLAIMER:** SureCo warrants that this product conforms to the chemical description on the label and is reasonably fit for the specific purposes referred to in the Directions For Use, subject to the inherent risks referred to above. SureCo makes no other express or implied warranty of fitness or merchantability nor any other express or implied warranty. In no case shall SureCo be liable for consequential, special, or indirect damages resulting from the use, handling or application of this product.