

PM 21 769-540

File
1076



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

MAR 22 1994

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

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

Subject: Label Amendment Submission of 12/16/93 in Response to PR Notice 93-7
EPA Reg. No. 769-540
CAPTAN 50-WP AGRICULTURAL FUNGICIDE

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

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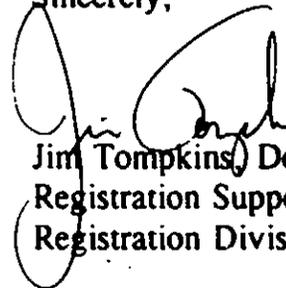
Submit the final printed labeling via the U.S. Postal Service to:

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

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

769-540

SUREGARD CAPTAN 50-WP
Agricultural Fungicide

ACTIVE INGREDIENTS:

Captan*..... 49.28%
Related Derivatives..... 1.12%

INERT INGREDIENTS:..... 49.60%
TOTAL 100.00%

*N-[trichloromethylthio]-4-cyclohexene-1,2-dicarboximide

EPA Reg. No. 769-540

EPA Est. No. 769-GA-1

KEEP OUT OF REACH OF CHILDREN
DANGER/PELIGRO

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.)

STATEMENT OF PRACTICAL TREATMENT

IF IN EYES: Flush eyes immediately with fresh water for 15 minutes. Call a physician.

IF SWALLOWED: Drink promptly a large quantity of milk, egg whites, gelatin solutions, or if these are not available, drink large quantities of water. Avoid alcohol.

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

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

PRECAUTIONARY STATEMENTS
Hazards to Humans and Domestic Animals
DANGER!

Causes irreversible eye damage. Harmful if swallowed or inhaled. May cause allergic skin reactions. Do not get in eyes. Avoid contact with skin and clothing. Avoid inhalation of dust or spray mist.

Applicators and other handlers (other than mixers and loaders) must wear:

- *Long sleeved shirt and long pants.
- *Chemical-resistant gloves.
- *Shoes plus socks.
- *Protective eyewear.

Mixers and Loaders must wear:

- *Long-sleeved shirt and long pants.
- *Chemical-resistant gloves.
- *Shoes plus socks.
- *Protective eyewear.
- *Chemical-resistant apron when 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.

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When handlers use enclosed cabs 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 the WPS.

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.
- *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

This pesticide is toxic to fish. 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. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not clean equipment or dispose of equipment wastewater in a manner that will contaminate water resources.

PHYSICAL OR CHEMICAL HAZARDS

Protect from excessive heat. Store in a cool, dry place.

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 penetration of moisture, excessive heat or cold. Avoid cross-contamination with other pesticides or fertilizers. Use caution when storing pesticides in stacks.

PESTICIDE DISPOSAL: Do not contaminate water, food or feed by storage or disposal. Pesticide wastes are acutely hazardous. 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 your State Pesticide or Environmental Control Agency or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

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.

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.

USE PRECAUTIONS: During application only, if from a tractor with a completely enclosed cab, a long sleeved shirt and long legged pants must be worn. Chemically resistant gloves must be available in the cab and worn while exiting.

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.

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Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 4 days. Exception: For the last 48 hours of the REI, workers may enter the treated area to perform hand labor or other tasks involving contact with anything that has been treated, such as plants, soil, or water, without time limit, if they wear the early-entry personal protective equipment listed below.

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
- *Chemical-resistant gloves
- *Shoes plus socks
- *Protective eyewear

Notify workers of the application by warning them orally and by posting warning signs at entrances to treated areas.

NOTE: For concentrate sprayer application, the same quantity (per acre) of Captan 50-WP as would normally be applied when spraying dilute mixture should be applied to each acre in sufficient water for coverage. When more than one dosage rate is given, use the higher rate when conditions are favorable for disease development and use the lower rate when disease conditions are less favorable.

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

COMPATIBILITY: Captan 50-WP may be combined with commonly used insecticides, adjuvants and fungicides with the exception of strongly alkaline materials such as hydrated lime which reduces the fungicidal activity. Do not use this product in combination with oil sprays or with solvent formulations of parathion products. Do not use this product on foliage closely following oil sprays.

ORNAMENTAL USES

AZALEA, CARNATION AND CHRYSANTHEMUM CUTTINGS for Damping-Off: Dip cutting in a suspension of 4 lbs. per 100 gallons spray before bedding.

ORNAMENTALS: Roses - Black Spot; Carnations - Rust and Leaf Spot; Chrysanthemums - Flower Blight: 2 lbs. per 100 gallons of spray. Apply at first sign of disease; cover upper and lower leaf surfaces thoroughly. Repeat every 7 to 10 days.

TURF, LAWN: Brown Patch, Leaf Spot, Damping-Off, Root Rot - 2 lbs. per 100 gallons spray. Apply 10 gallons to each 1000 square feet or apply 8 lbs. per acre in water for coverage. Apply prior to infection. Repeat at 7 to 10 day intervals as necessary. Do not graze treated areas or feed clippings to livestock.

SOIL AND GREENHOUSE BENCH TREATMENT: Preplanting for damping-off and root rot diseases on seedlings or transplants on roses (and other shrubs and trees), many flowers and lawn seedbeds - Apply as a dust at 4 to 5 oz. per 1000 square feet or spray at 2 lbs. to 100 gallons spray using 15 gallons to each 1000 square feet. Cultivate into upper 3 to 4 inches of soil before planting.

USE PRECAUTIONS: Only the applicator is permitted to be in the greenhouse during the application of Captan. Open vents to greenhouse during application and for at least 1 hour following application. Workers planting in Captan-treated soil must wear chemically resistant gloves.

Do not apply under conditions involving possible drift to food, forage or other plantings that might be damaged or the crops thereof rendered unfit for sale, use or consumption.

APPLES: Primary Scab Infection - Apply 8 lbs. Captan 50-WP per acre in 20 to 400 gallons of water using ground equipment. Applications should be made at 5-7 day intervals as needed to maintain control in prebloom, bloom, petal-fall and first cover spray. Secondary Apple Scab, Brooks Fruit Spot, Flyspecking, Bitter Rot, Black Rot, Botryosphaeria, Black Fox - Apply 4 to 8 lbs. Captan 50-WP per acre in 20 to 400 gallons of water using ground equipment. Apply at 10 to 14 day intervals in second and later cover sprays up to start of harvest. **CAUTION:** Captan 50-WP should not be used in combination with or closely following or in alternation with wettable sulfur products on sulfur-sensitive varieties of apples such as Red Delicious, Staymen, Baldwin, King, etc. as severe injury and defoliation may occur. Foliage injury may at times occur to Red Delicious, Winesap and other sensitive varieties of apples in early season sprays.

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CHERRIES: Cherry Leaf Spot, Brown Rot, Botrytis Rot - 4 lbs. per acre in 20 to 200 gallons of water using ground equipment. Spray at prebloom, bloom, petal-fall, shuck, cover and preharvest sprays. Application at 3 to 4 day intervals may be necessary during bloom to control Blossom Blight. Repeat applications at 7 to 10 day intervals as needed to maintain control up to start of harvest.

GRAPES: Downy Mildew, Black Rot - 4 lbs. per acre in 10 to 200 gallons of water using ground equipment. Make first application just before bloom and repeat immediately after bloom and at 10 to 14 day intervals for 1 to 3 additional applications depending on disease pressure and susceptibility of the grape variety. Dead Arm Disease (California) - 2 lbs. per 100 gallons spray, 3 to 6 lbs. per acre in 10 to 200 gallons of water using ground equipment. Apply first spray when green tissue begins to show but before shoots are 1 inch long and repeat application when shoots are 6 to 8 inches long. (Northeast) - 2 to 4 lbs. per acre in 10 to 200 gallons water using ground equipment. Make first application when shoots are 1/4 to 1 inch long and repeat application when shoots are 4 to 6 inches long.

NECTARINES: Brown Rot, Scab - Apply 5 lbs. Captan 50-WP per acre in 20 to 250 gallons of water using ground equipment. Apply in full pink, bloom, petal-fall, shuck, cover and preharvest sprays. Applications at 3 to 4 day intervals may be necessary during bloom to control Blossom Blight. Repeat applications at 7 to 14 day intervals as necessary to maintain control. Continue applications through harvest if conditions favor Brown Rot. Coryneum Blight (Shot-Hole) - Apply 5 lbs. Captan 50-WP per acre in 20 to 250 gallons water using ground equipment. Apply in pink bud, full bloom, petal-fall and cover sprays as necessary and as a post harvest spray (but before leaves drop).

PEACHES: Brown Rot, Scab - 8 lbs. per acre in 20 to 400 gallons water using ground equipment. Apply at full pink, bloom, petal-fall, shuck, cover and preharvest sprays. Applications at 3 to 4 day intervals may be necessary during bloom to control Blossom Blight. Repeat applications at 7 to 14 day intervals as needed to maintain control. Continue applications through harvest if conditions favor Brown Rot. Coryneum Blight (Shot-Hole) - Apply 8 lbs. Captan 50-WP per acre in 20 to 400 gallons of water using ground equipment. Apply at pink bud, full bloom and petal fall stages and in cover sprays as necessary and as a post harvest spray (but before leaf drop).

PRUNES, PLUMS: Brown Rot - 6 lbs. per acre in 20 to 300 gallons water using ground equipment. Apply at green bud, popcorn, bloom and petal-fall stages. Repeat in cover sprays as conditions warrant. Prune Russet Scab (Lacy Scab in California) - 8 lbs. per acre in 20 to 300 gallons water using ground equipment. Apply at full bloom.

STRAWBERRIES: Botrytis Rot - 6 lbs. per acre in sufficient water for thorough coverage. Begin applications when new growth starts in the spring and before fruit starts to form. Repeat applications weekly. Under conditions favorable to fruit rot, continue applications through harvest period treating immediately after each picking.

IMPORTANT: Read these entire Directions and Conditions of Sale before using CAPTAN 50-WP. **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.