

FEB 16 1990

Ms. Molly Klettke
The Chas. H. Lilly Co.
7737 NE Killingsworth
Portland, OR 97218

Dear Ms. Klettke:

Subject: Miller's Captan 5L
EPA Registration No. 802-235
Application Dated October 11, 1989 and
Resubmissions Dated January 3, 1990 and
January 30, 1990

The subject labeling submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA) as amended is acceptable provided that the label is revised by adding directions for use for mixing the product for less than one pound batches for each of the food uses as follows and that you submit five (5) copies of final printed labeling before releasing the product for shipment:

Add the following phrase after the word "water" for each of the crops as written below:

- o Almonds: "; if less solution is needed, use at a rate of 7.1 lbs. per gallon of water."
- o Apples: "; if less solution is needed, use at a rate of 6.3 lbs. per gallon of water."
- o Apricots: "; if less solution is needed, use at a rate of 6.3 lbs. per gallon of water."
- o Cherries: "; if less solution is needed, use at a rate of 2.5 lbs. per gallon of water."
- o Grapes: "; if less solution is needed, use at a rate of 10 lbs. per gallon of water."
- o Nectarines, Peaches: "; if less solution is needed, use at a rate of 10 lbs. per gallon of water."

16
-2-

o Plums/Fresh Prunes: "; if less solution is needed, use at a rate of 7.6 Tbs. per gallon of water."

o Strawberries: "; if less solution is needed, use at a rate of 15 Tbs. per gallon of water.

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 constitutes acceptance of this condition.

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

The Confidential Statement of Formula submitted on January 3, 1990 is acceptable and has been added to the record for this product registration.

Sincerely yours,

Joanne I. Miller
Acting Product Manager (23)
Fungicide-Herbicide Branch
Registration Division (H-7505C)

Enclosure

E.Wilson: Diskette #0009; 02-15-90

MILLER'S CAPTAN 5D
GARDEN FUNGICIDE DUST OR SPRAY

ACTIVE INGREDIENT:

*Captan 5.0%
Related derivatives 0.1%
INERT INGREDIENTS 94.9%
*N-Trichloromethylthio-4-cyclohexene-1,2-dicarboximide

FOR FLOWERS, ORNAMENTALS, BULBS, POTATO SEED PIECE TREATMENT, FRUITS,
LAWNS.

Keep out of reach of children

DANGER

See side panel for additional precautionary statements

NET WEIGHT 1 LB.

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. Wear goggles or face shield when handling. Avoid contact with skin and clothing. Remove and separately launder clothing before reuse.

If In Eyes: Flush with plenty of water. Call a physician. If On Skin: Wash thoroughly with soap and water. 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 Inhaled: Remove victim to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. Get medical attention.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. Do not apply directly to water or wetlands (swamps, bogs, marshes, and potholes). Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not clean equipment or dispose of equipment washwaters in a manner that will contaminate water resources.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

USE PRECAUTIONS

Wear goggles or face shield when handling. Remove contaminated clothing and separately launder clothing before reuse. Wear chemical resistant gloves, long pants and long-sleeved shirt when using this product and apply with the wind to your back. Wash non-disposable gloves with soap and water before removing.

ACCEPTED
with COMMENTS
in EPA Letter Dated

FEB 16 1990

BEST AVAILABLE COPY

8.2-235

EDIBLE CROPS

Place recommended amount in sprayer jar. Add a small amount of water, mix into a paste, then add the rest of the water. Spray lightly, covering both leaf surfaces. Repeat as directed. Do not apply as a dust to edible crops, except as a potato seed piece treatment. May be used up to the day of harvest, unless otherwise directed. Apply mixed spray to the area specified for each edible crop, or according to the chart below.

| Size of Tree | Amount of Spray Per Tree |
|-----------------------------|--------------------------|
| Small (up to 8 feet) | 1 to 2 pints |
| Medium (8 to 14 feet) | 1 to 4 quarts |
| Large (taller than 14 feet) | Up to 3 gallons |

ALMONDS: Brown Rot Twig and Blossom Blight, Shothole, Scab, Leaf Blight - Use 1 lb. in 8.8 gals. water. Spray just before bloom, at full bloom, when petals fall and up to 5 weeks after petals fall. Do not apply within 30 days of harvest.

APPLES: Scab - Use 1 lb. in 10 gals. water. Spray before bloom, when petals fall and as necessary for control.

APRICOTS: Brown Rot (twig blight), Jacket Rot - Use 1 lb. in 10 gals. water. Spray when buds show red, at bloom, when petals have nearly all fallen, and as necessary for control.

CHERRIES: Brown Rot Blossom Blight, Brown Rot (Fruit), Leaf Spot - Use 1 lb. in 25 gals. water. Spray before bloom, at bloom, when petals fall, and as necessary for control.

GRAPES (California): Bunch Rot (Botrytis) - Use 1 lb. in 6.25 gals. water. Apply 1 gallon mixed spray to 175 sq. ft. of grapevines twice before bloom and once immediately after bloom. Apply again three more times before the bunches close.

NECTARINES, PEACHES: Use 1 lb. in 6.25 gals. water. Brown Rot, Scab - Spray just before bloom, at bloom, when petals fall, and as necessary for control. Applications 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. Continue applications through harvest if conditions favoring brown rot, such as warm, moist weather, occur. If powdery mildew is a problem, combine this product with sulfur for early season sprays. Refer to sulfur labels for... specific application rates. Coryneum Blight (Peach Blight, Shothole) - Spray just before bloom, at full bloom, when petals fall and as necessary for control. Spray again after harvest before leaves drop.

PLUMS/FRESH PRUNES: Brown Rot - Use 1 lb. in 8.3 gals. water. Spray

BEST AVAILABLE COPY

when green buds are present, just before bloom, at bloom and when petals fall. Repeat as necessary for control. Prune Russet Scab (lacy scab) (California only) - Spray at full bloom.

STRAWBERRIES: Botrytis (gray mold), Leaf Spot - Use 1 lb. in 4.2 gals. water. Apply 1 gallon mixed spray to 175 sq. ft. of area when plant growth starts in the spring but before fruit starts to form. Repeat at 7 day intervals. If conditions favor fruit rot, such as during wet, warm weather, continue applications through harvest (treat plants immediately after each picking).

POTATO SEED PIECE TREATMENT: To control Seed Decay (*Fusarium coeruleum*). Use 1 tablespoon per 2 lbs. of cut seed pieces. Put CAPTAN and seed pieces in a bag, fold to close and shake bag until pieces are evenly coated with dust. Plant pieces immediately after treatment. Dispose of bag by discarding in trash.

ORNAMENTALS

TO DUST: Make a light application and repeat every 4 to 7 days as necessary. Get best control by making several light applications rather than one heavy application. TO SPRAY: Place recommended amount in sprayer jar. Add a small amount of water, mix into a paste, then add the rest of the water. Spray lightly, covering both leaf surfaces. Repeat as directed.

Foliage treatment for ROSES: Black Spot; CARNATIONS: Rust, Leaf Spot (*Alternaria*); CHRYSANTHEMUMS: Flower Blight (*Botrytis*), Septoria Leaf Spot. Dust or spray when plants start to grow or at first sign of disease. Use 3 tablespoons per quart water or 1 lb. per 5 gals. Repeat every 7 to 10 days, until disease is under control. Shorten intervals during frequent rains or heavy dews.

Petal Blight of AZALEA: Mix 3 tablespoons with one quart of water or 1 lb. per 5 gals. Apply to soil around plants and spray flowers just before bloom. Repeat at 7 to 14 day intervals throughout bloom.

Petal Blight of CAMELLIA: Mix 3 teaspoons with one quart water. Apply to soil around plants when flowers start to open. Repeat at 7 to 10 day intervals through bloom. Do not spray flowers or foliage.

Dip for cuttings of AZALEA, CARNATION, CHRYSANTHEMUM to control Damping Off: Make dip solution by mixing 3 level tablespoons with one quart of water. Stir solution and dip cuttings into solution immediately before planting. Use excess solution as a spray or drench as recommended elsewhere on this label.

Preplant Dust Treatment for GLADIOLI, TUBEROUS BEGONIA to reduce rots: Add a small amount of CAPTAN to paper bag. Place bulbs in paper bag, fold to close and gently shake bag until bulbs are evenly coated with dust. Dispose of bag by discarding in trash.

[Faint, illegible text or stamp at the bottom of the page]

Preplant Soil Treatment for FLOWER SEED BEDS - Damping Off: Dust 1 lb. per 350 sq. ft. over soil area prepared for planting. Mix dust thoroughly into the top 3 to 4 inches of soil. AFTER SEEDLINGS EMERGE, dust lightly every 3 to 4 days until plants are well established.

LAWNS AND ORNAMENTAL TURF - Leaf Spot, Damping-Off, Brown Patch, Melting Out, Seedling Blights, Brown Spot on St. Augustine grass, and White Mold (*Sclerotium rolfsii*) on Dichondra (California only): Dust or spray when growth appears in the spring and repeat every 7 to 10 days during the spring and summer. TO DUST: Apply 1 lb. CAPTAN per 500 sq. ft. Water thoroughly after application. TO SPRAY: Add 1 lb. to 5 gals. of water and apply 1 gal. per 100 sq. ft. of lawn area. Continuously agitate solution while spraying. Begin spraying when lawn growth starts in spring or before disease appears and repeat every 7 to 14 days during the summer. For White Mold of Dichondra, make 2 or 3 applications at 7 day intervals. Do not graze treated areas or feed clippings to livestock.

Preplant Soil Treatment for LAWN SEED BEDS - Damping Off: Dust 1 lb. per 350 sq. ft. over soil area prepared for planting. Mix dust thoroughly into the top 3 to 4 inches of soil.

STORAGE AND DISPOSAL

Store this product in its original container out of reach of children and domestic animals. Do not reuse container. Securely wrap container in several layers of newspaper and discard in trash.

Filled by weight not by volume. Product may settle after packaging.

NOTICE: Seller makes no warranty, expressed or implied, concerning the use of this product other than indicated on the label. Buyer assumes all risk of use and/or handling of this material when such use and/or handling is contrary to label instructions.

THE CHAS. H. LILLY CO.
PORTLAND, OREGON 97218
EPA Est. 802-OR-1
EPA Reg. No. 802-235
28603

1975