

AUG 14 1991

Mr. S. K. Theodorakis
Agricultural Products - R & RA
ICI Americas Inc.
Concord Pike and New Murphy Road
Wilmington, DE 19897

Dear Mr. Theodorakis:

Subject: Captan Garden Spray
EPA Registration No 10182-149
Application to Amend Registration Dated June 21, 1991
and Letters Dated June 21, 1991 and July 29, 1991

The subject labeling submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA) as amended is acceptable provided that you:

1. Revise the statement "Apply at 10 to 14 day intervals from petal fall through water." to read "Apply at 10 to 14 day intervals from petal fall through harvest".
2. The statements under "Conditions of Sale and Limited Warranty" on page 7 of 7 are consider "overbroad or inaccurate statements concerning the legal rights of manufacturers, buyers and users". Delete these statements from the labeling of this product.
3. Submit five (5) printed copies of the final printed label before releasing the product for shipment.

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 these conditions.

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

Sincerely yours,

BEST AVAILABLE COPY

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

Enclosure

E. Wilson: Diskette 1991-Captan Actions: 08-13-91



of problems & log with labeling RL

8-15-78

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**Captan Garden Spray
CAP149C-RSB - RS-072991B**

**Captan Garden Spray
A Fungicide For Plant Disease Control**

ACTIVE INGREDIENTS:

Captan:	48.9%
Related Derivatives	1.1%
INERT INGREDIENTS:	50.0%
TOTAL	100.0%

N-trichloromethylthio-4-cyclohexene-1,2-dicarboximide

Captan Garden Spray is a microfine wettable powder for use in water as a spray for the control of certain fungal diseases of fruit, vegetable ~~seeds~~ and ornamental crops, and as a soil treatment for the control of certain seed rots and damping-off diseases.

KEEP OUT OF REACH OF CHILDREN

DANGER

STORE IN COOL, DRY PLACE - PROTECT FROM EXCESSIVE HEAT

EPA Reg.No. 10182-149
EPA Est. No.

LB. NET Kg.

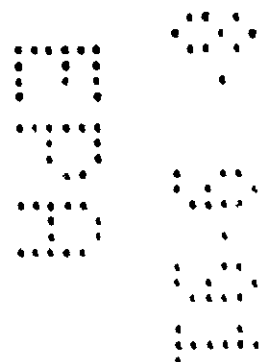
Made in U.S.A. By
ICI Professional Products
ICI Americas Inc.
Wilmington, DE 19897

**ACCEPTED
with COMMENTS
in EPA Letter Dated:**

AJA 14 1981

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

10182-149





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STATEMENT OF PRACTICAL TREATMENT

First Aid

If a known exposure occurs or is suspected, immediately start the procedures given below and contact a POISON CENTER, PHYSICIAN, OR THE NEAREST HOSPITAL. Describe the type and extent of exposure, the victim's symptoms and follow the advise given.

If In Eyes: Flush with plenty of water. 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 Inhaled: Remove victim to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. Get medical attention.

If On Skin: Wash with plenty of soap and water. Get medical attention if abnormal reaction occurs.

FOR 24-HOUR EMERGENCY MEDICAL ASSISTANCE CALL 1-800-F-A-S-T-M-E-D (327-8633)

FOR CHEMICAL EMERGENCY: Spill, leak, fire, exposure, or accident call CHEMTREC 1-800-424-9300.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER

CAUSES IRREVERSABLE EYE DAMAGE. HARMFUL IF SWALLOWED OR INHALED. MAY CAUSE ALLERGIC SKIN REACTION. Do not get in eyes. Wear goggles or face shield when handling. Avoid contact with skin and clothing. Avoid inhalation of dust. Remove and separately launder clothing before reuse.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. Do not apply directly to water, 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 washwaters in a manner that will contaminate commercial water resources. In the event that treated seeds are spilled and cannot be salvaged, completely cover them with soil.



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 when using indoors, or outdoors. When using, wear long pants and long-sleeved shirt and apply with the wind to your back.

Wash non-disposable gloves thoroughly with soap and water before removing. Captan Garden Spray is a wettable powder specially formulated to mix easily with water to form a suspension for spray application. Simply add required amount to the water and stir till completely dispersed. If a wetter-spreader is needed on roses or other hard to wet plants, add 1/2 teaspoonful of household detergent per gallon to spray mixture. There are 5 level tablespoons or 15 level teaspoonfuls per ounce of Captan Garden Spray.

Apply sufficient spray volume to provide thorough, even coverage.

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

ORNAMENTALS

Use Precautions

Do not apply spray to ornamental plants listed below beyond the point of drip from the leaf surface. When applying as a drench apply only sufficient mixture to wet the surface of the soil except when the dose is specified in terms of volume of mixture per square foot of area.

AZALEA, CARNATION, CHRYSANTHEMUM: (Damping-off) -- Dip cuttings in a suspension of 3 tablespoons per gal. of water before bedding. **CARNATION (Rust, Alternaria Leaf Spot): CHRYSANTHEMUMS (Botrytis Flower Blight)** -- 5 teaspoonfuls per gal. of water. Apply at first sign of disease. Repeat at 7 to 10 day intervals. Use the shorter interval under conditions favorable to infection.

GLADIOLUS, TUBEROUS BEGONIAS: (Rot, Damping-off) -- Use 9 teaspoonfuls per gal. of water for tuberous begonias and 9 to 36 teaspoonfuls per gal. of water for gladiolus corms. Dip bulbs for 30 minutes. Stir, drain and plant.

ROSE: (Black Spot) -- Use 5 teaspoonfuls per gal. of water. Apply at first sign of disease. Repeat at 7 to 10 day intervals. Use the shorter interval under conditions favorable to infection.

LAWNS, TURF: (Brown Patch, Damping-off, Leaf Spot, Root Rot) -- Use 5 teaspoonfuls per gallon of water and apply 1 gallon per 100 sq. ft. of turf. Begin applications when new growth starts in the spring. Repeat at 7 to 10 day intervals as needed.

For Melting-out use 10 to 17 teaspoonfuls per gal. and apply as above.



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beginning when grass resumes growth in the spring (March-April). Repeat at 7 to 14 day intervals as long as cool, wet weather persists.

SOIL AND GREENHOUSE BENCH TREATMENT: Preplant treatment for damping-off, root rot diseases on seedlings or transplants of roses (and other shrubs, trees, flowers) and lawn seedbeds -- Use 2 pounds Captan 50-WP per 100 gallons of water at a rate of 15 gallons of spray per 1,000 square feet. Cultivate into upper 3 to 4 inches of soil before planting.

Only the applicator is permitted to be in the greenhouse during application of Captan. Open vents to greenhouse during application and for at least 1 hour after application.

Workers planting in Captan-treated soil must wear chemical resistant gloves.

SEED TREATMENT

BEANS, CABBAGE, CORN, MELONS, PEAS, SQUASH: (Seed Rot, Damping-off) -- Use 1/2 teaspoonful per pound of dry seeds. **BEETS, SWISS CHARD, SPINACH, GRASS** (Seed Rot, Damping-off) -- Use 2 1/2 teaspoonfuls for beets and Swiss chard, 1-3/4 teaspoonfuls for grass seed and 1 1/4 teaspoonfuls for spinach. Mix thoroughly in paper bag or glass jar.

NOT FOR COMMERCIAL SEED TREATMENT

FRUIT

APPLE: (Scab, Fruit Spot, Sooty Blotch, Fly-Speck, Frog-Eye, Fruit Rots) -Use 2 level tablespoons per gallon of water. Spray 1 to 2 pints for small/dwarf trees, 1 to 2 quarts per medium size tree, and 1 to 3 gallons for large/mature trees. Apply at 10 to 14 day intervals from petal fall through water. For Frog-eye leaf spot also apply during the prebloom and bloom periods on a 10 to 14 day schedule.

GRAPE: (Downy Mildew, Black Rot) -- Use 2 level tablespoons per gal. of water. Spray 1/2 gallon per 100 sq. ft. Apply just before bloom, just after bloom and 7 to 10 days after bloom. Make an additional application 2 to 3 weeks later for downy mildew. (Dead Arm) (current season infections) (Northeastern states) -- Use 2 level tablespoons per gallon of water. Spray 1/2 gallon per 100 sq. ft. Apply when shoots are 1 to 2 inches long. Repeat application when shoots are 4 to 6 inches long.

PEACH: (Brown Rot, Scab) -- Use 2 level tablespoons per gallon of water in pink, full bloom, petal fall, shuck shed, cover and preharvest stages. Spray 1 to 2 pints for small/dwarf trees, 1 to 2 quarts per medium size tree, and 1 to 3 gallons for large/mature trees. Repeat applications at 7 to 14 day intervals as needed to maintain cover. Continue applications through harvest if conditions favor brown rot.



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STRAWBERRY: (Botrytis Rot) -- Use 2 level tablespoons per gallon of water. Spray 1/2 gallon per 100 sq. ft. Make first application as soon as new growth starts and repeat at 7 day intervals to harvest. Under severe infection conditions apply immediately after each picking through harvest.



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STORAGE AND DISPOSAL

PROHIBITIONS: Do not contaminate water, food or feed by storage, disposal or cleaning of equipment. Open dumping is prohibited. Do not reuse empty container.

STORAGE: Keep pesticide in original container. Protect from excessive heat. Store in a cool, dry place.

PESTICIDE DISPOSAL: Securely wrap original container in several layers of newspaper and discard in trash.

CONTAINER DISPOSAL: Do not reuse bag. Discard bag in trash.

IMPORTANT: Read the Entire Directions for Use and the Conditions of Sale and Warranty before using this product.

CONDITIONS OF SALE AND LIMITED WARRANTY:

The Directions For Use of this product are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as timing and method of application, weather and crop conditions, mixture with other chemicals not specifically recommended or other influencing factors in the use of the product, all of which are beyond the control of the seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold Seller harmless for any claims relating to such factors.

Seller warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label, subject to the inherent risks referred to above, when used in accordance with directions under normal conditions of use. This warranty does not extend to the use of this product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of Seller and Buyer and User assume the risk of any such use. SELLER DISCLAIMS ALL OTHER WARRANTIES EXPRESSED OR IMPLIED INCLUDING ANY WARRANTY OF FITNESS OR MERCHANTABILITY.



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+ } When Buyer or User claim losses or damages resulting from the use or handling of this product (including claims based on contract, negligence, strict liability or other legal theories), Buyer or User must promptly notify in writing Seller of any claims to be eligible to receive either of the remedies set forth below. The EXCLUSIVE REMEDY OF BUYER OR USER and the LIMIT OF LIABILITY of Seller will be, at the election of Seller, refund of the purchase price paid for product bought, or replacement of amount of product used. SELLER SHALL NOT BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT AND SELLER'S SOLE LIABILITY AND BUYER'S AND USER'S EXCLUSIVE REMEDY SHALL BE LIMITED TO THE REFUND OF THE PURCHASE PRICE. X

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