

CAPTAN 50 W

A FUNGICIDE FOR PLANT DISEASE CONTROL

ACTIVE INGREDIENTS:	BY WT
*Captan.....	48.9%
Related Derivatives.....	1.1%
INERT INGREDIENTS.....	50.0%
TOTAL	100.0%

\*N-Trichloromethylthio-4-cyclohexene-1,2-dicarboximide

EPA Reg. No. 7001-260

EPA Est. No. 7001-CA-1

KEEP OUT OF REACH OF CHILDREN

DANGER

PELIGRO

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

AVOID INHALING DUST

AVOID CONTACT WITH SKIN

AVOID CONTAMINATION OF FEED AND FOOD

Per self-cert  
OCT 15 1987  
7001-260

PRECAUCION AL USUARIO: Si usted no lee ingles, no use este producto hasta que la etiqueta haya sido explicado ampliamente.

Causes irreversible eye damage. Harmful if swallowed or inhaled. Do not get in eyes. Wear goggles or face shield when handling. May cause allergic skin reactions. Avoid contact with skin and clothing. Wash thoroughly with soap and water after handling. Remove and separately launder contaminated clothing before reuse.

STATEMENT OF PRACTICAL TREATMENT

IF IN EYES: Flush with plenty of water. Call a physician.

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

Avoid alcohol. Call a physician or poison control facility immediately.

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 soap and water. Remove contaminated clothing.

RECEIVED  
EPA

OCT 15 1987

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## ENVIRONMENTAL HAZARDS

This product 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 contaminate water by cleaning of equipment or disposal of wastes.

## DIRECTIONS FOR USE

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

Read entire label. Use strictly in accordance with precautionary statements and directions, and with applicable State and Federal regulations.

## RE-ENTRY STATEMENT

Keep all unprotected persons out of operating areas or vicinity where there may be danger of drift. Do not allow persons to enter treated areas within 4 days following application unless a long sleeved shirt and long pants or a coverall that covers all parts of the body except the head, hands and feet and chemical resistant gloves are worn. Conspicuously post re-entry information at site of application. Certain states may require more restrictive information. Consult your State Department of Agriculture for further information.

Written or oral warnings regarding use of protective clothing must be given to workers who are expected to be in treated areas or in areas about to be treated.

## OBSERVE THE FOLLOWING USE PRECAUTIONS:

A dust mask must be worn when mixing and loading this product. When mixing, loading or applying Captan 50W wear a long sleeved shirt and long pants, or a coverall that covers all parts of the body except the head, hands and feet. Wear chemical resistant gloves, and goggles or a face shield and a chemical resistant apron. During application, only from a tractor with a completely enclosed cab or from an aircraft with an enclosed cockpit a long sleeved shirt and long legged pants must be worn. Chemical resistant gloves must be available in the cab or cockpit and worn while exiting.

Field workers and harvesters must wear chemical resistant gloves. Leather or fabric gloves are not acceptable.

**After work.** Take off all clothes and shoes. Shower using soap and water. Do not wear contaminated clothing. Wash protective clothing and equipment in soap and water after each use. Personal clothing worn during use must be laundered separately from household articles. Clothing and protective equipment heavily contaminated or drenched with Captan must be destroyed according to state and local regulations.

**OBSERVE THE FOLLOWING APPLICATION DIRECTIONS:**

**COMPATIBILITY:** Captan 50W may be combined with most 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.

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.

**NOTE:** For concentrate sprayer applications, the same quantity (per acre) of CAPTAN 50W as would be normally applied when spraying dilute mixture, should be applied to each acre in sufficient water for coverage.

**ALMONDS:** Brown Rot, Twig and Blossom Blight, Shot Hole, Scab, Leaf Blight ---Apply 9 lbs. per acre in 20 to 300 gals. of water using ground equipment. Apply at popcorn, bloom, petal fall stages and up to 5 weeks after petal fall. Hulls may be fed to livestock if applications are made up to 30 days of harvest. Subsequent applications may be made up to 12 days of harvest in accordance with pest infestations and State Agricultural Extension Service recommendations, provided the hulls are not fed to dairy animals or animals being finished for slaughter.

**APPLES (Eastern U.S.):** Primary Scab, Black Rot, Botrytis Blossom End Rot - Apply 8 lbs. per acre in 20 to 400 gals. of water using ground equipment. Apply at 5 to 7 day intervals as needed to maintain control in prebloom, bloom, petal fall and first cover sprays.

Secondary Scab, Brooks Fruit Spot, Sooty Blotch, Fly Speck, Black Rot, Black Pox, Botryosphaeria Rot, Bitter Rot -- Apply 4 to 8 lbs. per acre in 20 to 400 gals. of water using ground equipment. Apply at 10 to 14 days intervals in second and latter cover sprays up to start of harvest. Powdery Mildew - If powdery mildew is a problem add 6 to 12 lbs. sulfur or 1 to 2 lbs. of Karathane per acre to all postbloom sprays until the foliage matures. Use 2 lbs. of Karathane if interval between sprays is longer than 7 days. **CAUTION** - Do not use in combination with or closely following or in alternation with wettable sulfur products or sulfur sensitive varieties of apples such as Red Delicious, Staymen, Baldwin-King, etc. as severe injury and defoliation may occur.

(Western U.S.): Apple Scab - Apply 8 lbs. per acre in a high volume application for preblossom sprays. For pre-blossom sprays using low volume application, apply 16 lbs. per acre. In mid-summer, the dosage may be reduced to 4 lbs. per acre in high volume applications or 10 lbs. per acre in low volume applications.

(Pacific Northwest): Bull's Eye Rot Botrytis Rot - Apply 8 lbs. per acre in 20 to 400 gals. of water using ground equipment. Make 1 or 2 applications with late cover sprays and 1 to 2 preharvest applications.

**APPLES - POST HARVEST DIP:** For control of Various Molds and Storage Rots (Botrytis, Gloeosporium, Rhizopus)--Use as a post harvest dip or wash. Mix 2½ lbs. per 100 gals. water. Apply as a spray or in a dip tank. When used as a dip, recharge solution when tank volume is reduced by 25%. Bring

water back to volume and add 1 lb. for each 25 gals. added. At the end of every 8 hour shift empty tank, flush and mix with a fresh dilution. Do not allow dip tank solution to stand overnight. Maintain continuous agitation during dipping operation.

**APRICOTS:** Brown Rot (Twig Blight) Jacket Rot -- Apply 5 lbs. per acre in 20 to 250 gals. of water using ground equipment. Apply at red bud, bloom, 75% petal fall stages and in cover sprays.

**CANTALOUPE:** Angular Leaf Spot, Anthracnose--Apply 4 lbs. in sufficient water for thorough coverage. Begin applications at first signs of infection and repeat at 5 to 7 day intervals or as needed to maintain control.

**CHERRIES (Eastern U.S.):** Brown Rot, Leaf Spot, Botrytis Rot--Apply 4 lbs. per acre in 20 to 200 gals. of water using ground equipment. Apply in pre-bloom, 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. If powdery mildew is a problem add 6 lbs. sulfur per acre to the petal fall, shuck and early cover sprays. If sulfur is added, Captan 50W may be reduced to 2 lbs. per acre in these sprays.

**POST HARVEST SPRAYS--Leaf Spot:** Apply 4 lbs. per acre in 20 to 200 gals. of water using ground equipment. Apply immediately after harvest and repeat application in 10 to 14 days.

(Western U.S.): Brown Rot, Blossom Blight, Brown Rot (fruit), Leaf Spot: Apply 4 lbs per acre in 20 to 200 gals. of water using ground equipment. Apply in prebloom, bloom, petal fall, shuck, cover and preharvest sprays.

**CHERRIES-POST HARVEST DIP:** For control of Various Molds and Storage Rots (Botrytis, Gloeosporium, Rhizopus)-Use as a post harvest dip or wash. Mix 2½ lbs per 100 gals. water. Apply as a spray or in a dip tank. When used as a dip, recharge solution when tank volume is reduced by 25%. Bring water back to volume and add 1 lb. for each 25 gals. added. At the end of every 8 hour shift empty tank, flush and mix a fresh dilution. Do not allow dip tank solution to stand overnight. Maintain continuous agitation during dipping operation.

**CUCUMBER:** Angular Leaf Spot, Anthracnose--Apply 4 lbs. per acre in sufficient water for thorough coverage. Begin applications at first signs of infection and repeat at 5 to 7 day intervals or as needed to maintain control.

**DAMP OFF** on Cuttings of Azaleas, Carnations and Chrysanthemums--Dip cuttings in a suspension of 4 lbs. per 100 gals. spray before bedding.

**GRAPES: (Eastern U.S.):** Black Rot, Downy Mildew--Apply 4 lbs. per acre in 10 to 200 gals. of water using ground equipment. Apply first application just before bloom, repeat application 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**(current season infection)- Apply 2 to 4 lbs. per acre in 10 to 200 gals. of water using ground equipment. Apply first application when shoots are ½ to 1 inch long and repeat application when shoots are 4 to 6 inches long.

**GRAPES(California):** Bunch Rot(Botrytis)--Apply 4 lbs. per acre in 10 to 200 gals. of water using ground equipment. Apply 2 applications before bloom and 1 immediately after bloom. Repeat periodically making 3 cover sprays before bunches close.

Dead Arm (Current season infection)--Apply 3 to 6 lbs per acre in 10 to 200 gals. 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.

NECTARINES: Brown Rot, Scab--Apply 5 lbs. per acre in 20 to 250 gals. 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. If powdery mildew is a problem, add 7.5 lbs. sulfur per acre to the petal fall and shuck sprays and early cover spray. If sulfur is added, Captan 50W may be reduced to 2.5 lbs. per acre in these sprays.

Coryneum Blight (Peach Blight, Shot Hole)--Apply 5 lbs. per acre in 20 to 250 gals. of 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).

ORNAMENTALS: ROSES--Black Spot, CARNATIONS--Rust and Leaf Spot, CHRYSANTHEMUMS--Flower Blight--2 lbs. per 100 gals. spray. Apply at first signs of diseases, cover upper and lower leaf surfaces thoroughly. Repeat every 7 to 10 days.

PEACHES: Brown Rot, Scab--Apply 8 lbs. per acre in 20 to 400 gals. of water using ground equipment. Apply at full pink, bloom, petal fall, shuck stages and in 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. If powdery mildew is a problem, add 12 lbs. of sulfur per acre to the petal fall and shuck sprays and early cover spray. If sulfur is added, CAPTAN 50W may be reduced to 4 lbs. per acre in these sprays.

Coryneum Blight (Peach Blight, Shot Hole)--Apply 8 lbs. per acre in 20 to 400 gals. 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).

PEARS: (Eastern U.S.): Scab--Apply 8 lbs per acre in 20 to 200 gals. of water using ground equipment. Apply in preblossom, petal fall and cover sprays. Repeat cover spray applications at 7 to 14 day intervals under severe scab infection periods. Russetting may be reduced on Bosc pears. Do not use on D'Anjou pears.

PEARS: (Western U.S. except Pacific Northwest): Pear Scab-- Apply 8 lbs. per acre in 20 to 400 gals. of water using ground equipment. Apply during early finger stage, petal fall and first cover sprays. Under severe scab infection periods additional treatments may be necessary. Russetting may be reduced on Bosc pears. Do not use on D'Anjou pears.

PEARS-POST HARVEST DIP: For control of Various Molds and Storage Rots (Botrytis, Gloeosporium, Rhizopus)- Use as a post harvest dip or wash. Mix 2½ lbs. CAPTAN 50W per 100 gals. of water. Apply as a spray or in a dip tank. When used as a dip, recharge solution when tank volume is reduced by 25%. Bring water back to volume and add 1 lbs. for each 25 gals. added. At the end of every 8 hour shift empty tank, flush and mix a fresh dilution. Do not allow dip tank solution to stand overnight. Maintain continuous agitation during dipping operation.

**PLUMS, PRUNES (Western U.S.):** Brown Rot--Apply 6 lbs per acre in 20 to 300 gals. of water using ground equipment. Apply at green bud, popcorn, bloom and petal fall stages. Repeat in cover sprays as conditions warrant.

California: Prune Russet Scab (lacy scab)--Apply 6 lbs. per acre in 20 to 300 gals. of water using ground equipment. Apply at full bloom.

**PLUMS, PRUNES (Eastern U.S.):** Brown Rot--Apply 6 lbs. per acre in 20 to 300 gals. of water using ground equipment. Apply in full pink, bloom and petal fall sprays. Repeat applications at 7 to 14 day intervals as needed to maintain control. Continue applications through harvest if conditions favor Brown Rot. The addition of a neutral spreader has improved coverage.

**SOIL AND GREENHOUSE BENCH TREATMENT:** Preplanting for Damp Off and Root Rot Diseases on Seedlings or Transplants of Roses (and other shrubs and trees). Many flowers and Lawn Seedbeds--Apply as a dust at 4 to 5 oz. per 1000 sq. ft. or spray at 2 lbs. to 100 gals. spray, using 15 gals. to each 1000 sq. ft. 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 in greenhouses must wear chemical resistant gloves.

**STRAWBERRIES:** Botrytis (Gray Mold, Leaf Spot)--Apply 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 at weekly intervals. Under conditions favorable to fruit rot continue applications through harvest period treating immediately after each picking.

**TOMATOES:** Anthracnose, Gray Leaf Spot, Septoria Leaf Spot-- Apply 6 lbs. per acre in sufficient water for thorough coverage. Under severe infection conditions use 6 to 8 lbs. per acre in sufficient water for thorough coverage. Apply at first signs of infection and repeat at 5 to 7 day intervals or as needed to maintain control.

**TURF, LAWN:** Brown Patch, Leaf Spot, Damp Off, Root Rot--2 lbs. per 100 gals. spray. Apply 10 gals. to each 1000 sq. ft of turf 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.

## STORAGE AND 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.

**STORAGE:** Store in cool, dry place. Avoid contact with moisture. Keep pesticide in original container. Do not put concentrate or dilute into food or drink containers. Do not store or transport near food or feed.

**DISPOSAL:** Completely empty bag into application equipment by shaking and tapping sides and bottom to loosen clinging particles. Do not reuse bag. 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.

**NOTICE:** Seller warrants that the product conforms to its chemical description and is reasonably fit for the purpose stated on the 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, express or implied, extends to the use, storage or handling of this product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to seller, and buyer assumes the risk of any such use. These risks include, but are not limited to,

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