

# ADVERTISING AND SALES PROMOTION SERVICES

# COPY

FOR: AGWAY CAPTAN 50WP

DATE: 9/8/87

((FRONT PANEL))

NET WEIGHT  
4#, 5#, 30#

AGWAY

CAPTAN 50WP

Fungicide for disease control on fruits, vegetables & ornamentals.

ACTIVE INGREDIENTS:

*CAPTAN:	48.9%
Related Derivatives	1.1%

INERT INGREDIENTS:	50.0%
TOTAL	100.0%

**ACCEPTED**  
 SEP 30 1987  
 U.S. Dept. of Agriculture  
 and  
 Environmental Protection Agency  
 Fungicide  
 8590-552

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

KEEP OUT OF REACH OF CHILDREN (2 pt.)

DANGER (18 pt) PELIGRO (18 pt)

STATEMENT OF PRACTICAL TREATMENT

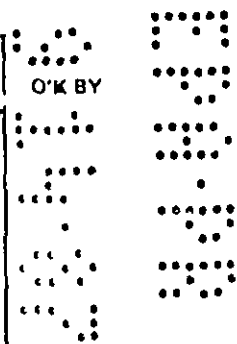
If in eyes: Flush with plenty of water. Call a physician.

If swallowed: drink promptly a large quantity of milk, egg whites, gelatin 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.

**PRECAUCION AL USUARIO:** Si Usted Nolee ingles, No use este producto hasta que le etiqueta haya sido explicado ampliamente

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ELITE - 60 CHARACTERS



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See additional precautionary statements below.

AGWAY INC.  
P.O. BOX 4741  
SYRACUSE, NEW YORK 13221

EPA Reg. No. 8590-552

EPA Est. No. 8590-PA-1

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# ADVERTISING AND SALES PROMOTION SERVICES

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((SIDE PANEL))

### PRECAUTIONARY STATEMENTS

#### HAZARDS TO HUMANS & 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 & clothing. Remove & separately launder clothing before reuse.

#### ENVIRONMENTAL HAZARDS

This Pesticide is toxic to fish. Do not apply directly to water or wetlands (swamps, bogs, marshes and potholes). Drift & 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.

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FOR: AGWAY CAPTAN 50WP

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(((REAR & SIDE PANEL)))

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## DIRECTIONS FOR USE

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

Wear goggles or face shield when handling. Wash thoroughly with soap and water after handling. Remove contaminated clothing and separately launder clothing before reuse.

Mixers/loaders when mixing and loading this product must 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, goggles or a face shield and a chemically resistant apron.

Fieldworkers 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 with 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.

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. Chemically resistant gloves must be available in the cab or cockpit and worn while exiting.

## RE-ENTRY

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 chemically resistant gloves are worn.

Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons.

Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers. When oral warnings are given, warnings shall be given in a language customarily understood by workers. Written warnings must include the following information:

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DANGER

(Insert area or field description) treated with Captan on (insert data of application). Do not enter treated areas within 4 days following application unless protective clothing is worn. In case of accidental exposure; Call a doctor (physician), clinic or hospital immediately. Explain that the victim has been exposed to Captan and describe his condition. For further information see the "Statement of Practical Treatment".

Oral warnings must include the same information that is in the written warnings.

CAPTAN 50WP is a microfine wettable powder for use in water as a spray for the control of certain fungus diseases of fruit, vegetables, and ornamental crops, and as a soil treatment for the control of certain seed rots and damping-off diseases.

OBSERVE THE FOLLOWING USE PRECAUTIONS

Read all precautions and directions for use before using.

Use only for claims listed and only as specified on this label.

In order that pesticide residues on food and forage crops will not exceed federal tolerances, use only at recommended rates and intervals, and do not apply closer to harvest than specified.

Do not apply or allow to drift to adjoining food fiber or pasture crops.

Consult State Agricultural Experiment Stations or State Agricultural Extension Service for additional information, as the timing of applications needed will vary with local conditions.

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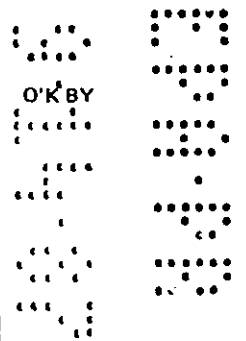
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COMPATIBILITY AND PLANT SAFETY: Captan 50WP can be combined safely and effectively at recommended dosage rates with most commonly used fungicides and insecticides, with the exception of oil and strongly alkaline materials. Alkaline materials such as spray lime, lime-sulfur and bordeaux mixture will reduce the fungicidal activity of CAPTAN. Do not apply CAPTAN in combination with or immediately before or closely following oil sprays. The time factor governing the safe interval between CAPTAN and oil sprays varies due to general climatic conditions, therefore, consult local agricultural spray programs and authorities to determine the proper timing. The use of spreaders which cause excessive wetting is not advised. Combinations with solvent formulations of organic phosphates should not be used. Combinations of CAPTAN and sulfur should not be used on crops sensitive to sulfur. Used at high rates or in drenching sprays, CAPTAN may cause a necrotic spotting of tender, immature leaves of certain varieties of apples, peaches, plums and cherries. This type of injury is most likely to occur in the early cover sprays during long periods of warm, cloudy, humid weather. To avoid the hazard of leaf spotting under such conditions, use CAPTAN and other spray materials at lowest recommended rates and avoid drenching

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Applications can be made by aircraft or ground power equipment (including concentrate and semi-concentrate equipment). Pour recommended amount of this material into nearly filled spray tank. Add balance of water. Maintain agitation during filling and spraying operations. Do not allow mixture to stand. Do not combine with emulsifiable liquids or wetttable powders unless previous experience has proven them to be physically

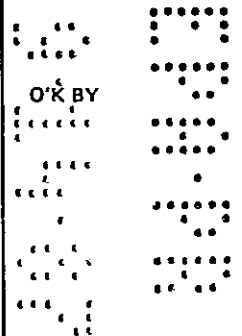
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compatible and safe to plants. (Read compatibility and plant safety information given under USE PRECAUTIONS.)

### RECOMMENDATIONS

Unless otherwise specified, rates are given in terms of CAPTAN 50WP per 100 gallons water for fruit and nut crops and ornamentals. For vegetable crops, rates are expressed as CAPTAN 50WP per acre in sufficient water to provide thorough coverage. Except as specified begin applications before or at first sign of disease and repeat as needed to maintain control but observe use limitations. Unless otherwise specified, application can be made on the day of harvest.

Maximum permissible rate per acre, per application as CAPTAN 50WP is given in parenthesis, ( ), after crop claim.



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## FRUIT

APPLES (eastern U.S.): Primary scab, black rot (frog-eye), botrytis blossom end rot - 1½ to 2 pounds at 5 to 7 day intervals as needed to maintain cover in prebloom, bloom, petal fall and first cover sprays. Use at 2 pound rate if conditions favor scab or if active scab can be found. Secondary scab, Brooks fruit spot, sooty blotch, fly speck, black rot, black pox, botryosphaeria rot, bitter rot - 1 to 2 pounds at 10 to 14 day intervals in second and later cover sprays up to start of harvest.

(16 pounds) Powdery mildew - If powdery mildew is a problem, add 1½ to 3 pounds sulfur or ½ to ¾ pound Karathane to all pre-bloom and bloom sprays and ½ to ¾ pound Karathane to all post bloom sprays until the foliage matures. Use ½ pound Karathane if interval between sprays is longer than 7 days. Special Sooty Blotch Sprays (August and September) - 1 lb. and 1 lb. 75% Zineb Wettable Powder fungicide per 100 gals. spray. Where lead arsenate has been used in the apple maggot cover sprays, use CAPTAN 50WP at 2 lbs. per 100 gals. spray. Do not use lead arsenate within 30 days of harvest. CAPTAN 50WP should not be used in combination with or closely following or in alternation with wettable sulfur products on sulfur sensitive varieties of apples

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such as Red Delicious, Staymen, Baldwin, King, etc. as severe foliage injury and defoliation may occur.

APRICOTS: Brown rot (twig blight), jacket rot - Use 2 pounds. Apply in red bud, bloom, 75% petal fall, and cover stages. (10 pounds)

CHERRIES (eastern U.S.): Brown rot, leaf spot, Botrytis rot - Use 2 pounds in pre-bloom, 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 10 day intervals as needed to maintain cover up to start of harvest. If powdery mildew is a problem add 3 pounds sulfur to the petal fall, shuck and early cover sprays. If sulfur is added, CAPTAN may be reduced to 1 pound in these sprays. Post harvest sprays - Apply 2 pounds immediately after harvest for leaf spot. Repeat application in 10 to 14 days. (20 pounds).

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GRAPES (eastern U.S.): Black rot, downy mildew - 2 pounds per 100 gallons, make first application just before bloom, repeat just after bloom and at 10 to 14 day intervals for 1 to 3 more applications depending upon the susceptibility of the grape variety. Dead Arm (current season infection) Use 2 to 4 pounds per 100 gallons dilute spray. Apply 50 gallons per acre when shoots are  $\frac{1}{2}$  to 1 inch long. Repeat application when shoots are 4 to 6 inches long. (10 pounds)

PEACHES, NECTARINES: Brown rot, scab - Use 2 pounds 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 application at 7 to 14 day intervals as needed to maintain cover. Continue applications through harvest if conditions favor brown rot. If powdery mildew is a problem, add 3 pounds sulfur to the petal fall, shuck and early cover sprays. If sulfur is added, CAPTAN may be reduced to 1 pound in these sprays. Coryneum blight (peach blight, shothole) - Use 2 pounds, apply in pink bud, full bloom, petal fall and cover periods as necessary and as a post harvest spray (but before leaves drop). (10 pounds)

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PEARS (eastern U.S.): Scab - Use 2 pounds in preblossom, petal fall and cover sprays. Repeat cover applications at 7 to 14 day intervals under severe scab conditions. Russetting may be produced on Bosc pears. Do not use on D'Anjou pears.

(16 pounds)

PLUMS (eastern U.S.): Brown rot - Use 2 pounds in full pink, bloom and petal fall sprays. Applications at 7 to 14 day intervals as needed to maintain cover. Continue applications through harvest if conditions favor brown rot. The addition of a neutral spreader has improved coverage.

(10 pounds)

STRAWBERRIES: Botrytis (gray mold), leaf spot -

Apply 4 to 6 pounds 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. (8 pounds)

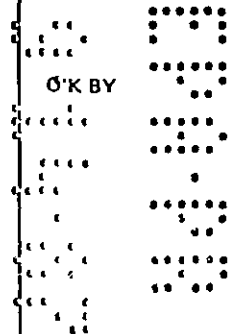
## VEGETABLES

CANTALOUPE, CUCUMBER,

Angular

leaf spot, anthracnose, downy mildew; Use 4 pounds 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. (7.6 pounds)

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TOMATO: Anthracnose, gray leaf spot, septoria leaf spot - Use 4 to 6 pounds per acre in sufficient water for thorough coverage. Under severe infection conditions use 6 to 8 pounds 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. (10 pounds)

PREPLANTING SOIL TREATMENT: For control of damping-off and root rots for the crops listed below, apply spray broadcast to soil surface as a pre-planting application and cultivate into upper 3 to 4 inches of soil. Or apply to furrow over the seed when specified. (14,500 linear feet of row equals 1 acre.) Close and pack the furrow in usual manner. Apply dosage rate in sufficient water for thorough soil coverage unless otherwise specified.

CANTALOUPE, CUCUMBERS,

Use 2 pounds per 100 gallons water; 600 gallons spray per acre broadcast. (12 pounds)

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## ORNAMENTALS

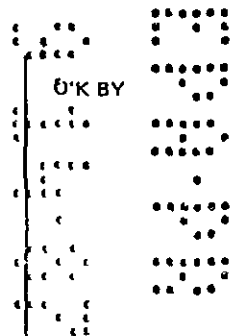
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**AZALEAS:** Damping-off of cuttings - Use 4 pounds. Dip cuttings before bedding. Petal blight - Use 2 pounds. Apply to soil area around plants and spray flowers just before bloom. Repeat at 7 to 14 day intervals through bloom.

**BEGONIAS (TUBEROUS):** Damping-off, tuber rot - Use 4 pounds. Dip tubers 30 minutes, drain and plant.

**CAMELLIAS:** Petal blight - Use 1 pound. Apply to drench soil around plants beginning when flowers start to open. Repeat at 7 to 10 day intervals through bloom.

**CARNATIONS:** Alternaria leaf spot, rust - Use 2 pounds. Begin at first sign of disease. Repeat at 7 to 10 day intervals. Shorten intervals during frequent rains and heavy dews. Damping-off of cuttings - Use 4 pounds. Dip cuttings before bedding.



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**CHRYSANTHEMUM:** Botrytis flower-blight, Septoria leaf spot - Use 2 pounds. Apply at first sign of disease. Repeat at 7 to 10 day intervals. Damping-off of cuttings - Use 4 pounds. Dip cuttings before bedding.

**GLADIOLUS (CORMS):** Corm rot and decay, damping-off - Use 1/2 to 1 1/2 pounds per 10 gallons, dip corms 20 to 30 minutes. Drain and plant.

**ROSES:** Black spot, Botrytis blossom blight - Use 2 pounds. Begin at first growth or first sign of disease. Repeat at 7 to 14 day intervals, and more frequently during frequent rains and heavy dews.

**SOIL AND GREENHOUSE BENCH TREATMENT:** Preplanting for damping off and root rot diseases on seedlings or transplants of roses (and other shrubs, trees, flowers), Lawn seedbeds, vegetables (such as cucumbers & tomatoes) - Use 2 pounds per 100 gallons water at rate of 15 gallons per 1,000 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 must wear chemical resistant gloves.

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