

AGWAY CAPTAN 80WP

DIRECTIONS

Read these entire directions and disclaimer. Use strictly in accordance with label cautions, and directions.



DIRECTIONS FOR USE

Maximum permissible rate per acre per application expressed as CAPTAN 80% is given in parentheses () after each crop name.

APPLES (eastern U.S.): Primary scab, black rot (ring eye), Botrytis blossom end rot. 1 to 1.5 pounds at 5 to 7 day intervals as needed to maintain coverage in pre-bloom, bloom, petal fall and first cover sprays. Use at 1.5 pounds rate if conditions favor scab or if active scab can be found. Secondary scab, Brown fruit spot, sooty blotch, fly speck, black rot, black rot, Botrytis rot, bitter rot. 1 to 1.5 pounds at 10 to 14 day intervals in second and later cover spray up to start of harvest if powdery mildew or powdery mildew is a problem add 1 to 3 pounds sulfur or 1 to 1.5 pound karathane to all pre-bloom and bloom sprays and 1 to 1.5 pound karathane to all post bloom sprays until the foliage matures. Use 1.5 pound karathane if interval between sprays is longer than 7 days. Special Sooty Blotch Sprays (August and September) 10-32 plus 1 lb Zineb Wettable Powder Fungicide (such as FMC's Zineb 75 Wettable Powder or Rohm & Haas Dithane Z-78). Where lead arsenate has been used in the apple maggot cover sprays use at 1.5 lbs. per 100 gals spray. Do not use lead arsenate within 30 days of harvest.

Caution: Do not use CAPTAN in combination with or closely following or in alternation with wettable sulfur products on sulfur sensitive varieties of apples such as Red Delicious, Stayman, Baldwin, King, etc. as severe injury and defoliation may occur.

APRICOTS: Brown rot (wing blight), jacket rot. 1.5 pounds. Apply in red bud, bloom, 75% petal fall and cover stages. 1.5 pounds.

BLACKBERRY, DEWBERRY, RASPBERRY (eastern U.S.): Anthracnose. Use 2.0 pounds per acre in sufficient water for thorough coverage in the pre-blossom (when new canes are 6 to 8 inches long) and first cover (right after petal fall) sprays. Raspberry, Botrytis fruit rot. Use 1.5 pounds per 100 gallons water. Begin application in the first bloom. Make 2 or more repeat applications as field conditions warrant at 10 to 15 day intervals. 1.5 pounds.

CHERRIES (eastern U.S.): Brown rot, leaf spot, Botrytis rot. Use 1.5 pounds in pre-bloom, bloom, petal fall, shuck cover and pre-harvest 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 1.5 pound in these sprays. Post-harvest sprays. Use 1.5 pounds in late cover, after harvest for leaf spot. Repeat application at 7 to 11 days. 1.5 pounds.

GRAPES (eastern U.S.): Black rot, downy mildew. 1.5 pounds per 100 gallons. Make first application just before bloom, repeat just after bloom and at 10 to 14 day intervals for 3 to 5 more applications depending upon the susceptibility of the grape variety. Do not use CAPTAN in combination with lead arsenate. Do not use CAPTAN in combination with sulfur. Apply 10

gallons per acre when shoots are 1 to 1 inch long. Repeat application when shoots are 4 to 6 inches long. (6 1/2 pounds)

PEACHES, NECTARINES: Brown rot, scab. Use 1 1/2 pounds in full pink, bloom, petal fall, shuck cover and pre-harvest 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 1 pound sulfur to the petal fall, shuck and early cover sprays. If sulfur is added, CAPTAN may be reduced to 1/2 pound in these sprays. Coryneum blight (peach blight, shot-hole). Use 1 1/2 pounds, apply in pink bud, full bloom, petal fall and cover periods as necessary and as a post harvest spray, but before leaves drop. (6 1/2 pounds)

PEARS (eastern U.S.): Scab, leaf spot. Use 1 1/2 pounds in pre-blossom, petal fall and cover sprays. Repeat cover applications at 7 to 14 day intervals under severe scab conditions. Russeting may be reduced on Bosc pears. Do not use on D'Anjou pears. (10 pounds)

PLUMS, PRUNES (eastern U.S.): Brown rot. Use 1 1/2 pounds in full pink, bloom and petal fall sprays. Repeat 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. (6 1/2 pounds)

STRAWBERRIES: Botrytis (gray mold), leaf spot. Apply 2 1/2 to 3 1/2 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. (5 pounds)

ASPARAGUS (Preplanting Root Dip): Botrytis, crown rots, phoma rot, penicillium rot, fusarium. Use 2 1/2 pounds per 100 gallons water (2 1/2 tablespoons per gallon). Dip root sections for 1 minute, drain and plant.

BEANS, PEAS: Damping off (bean only), root rot. Apply 6 1/2 to 7 1/2 pounds per acre as a broadcast treatment, working into top 3 to 4 inches of soil, or apply 3 1/2 to 3 3/4 pounds per acre as a soil drench at time of planting. (7 1/2 pounds)

CANTALOUPE, CUCUMBER, PUMPKIN, SUMMER AND WINTER SQUASH, HONEYDEW MELON, WATERMELON: Angular leaf spot, anthracnose. Use 2 1/2 pounds per acre in sufficient water for thorough coverage. Begin applications at first sign of infection and repeat at 5 to 7 day intervals as needed to maintain control. (4 1/2 pounds)

CARROTS: Cercospora blights, septoria leaf blight. Use 1 1/2 pounds per 100 gallons water or the equivalent of 2 1/2 pounds of CAPTAN per acre. Apply at first sign of disease and repeat at 10 day intervals. (3 1/2 pounds)

CELERY: Damping off. Use 1 1/2 pounds per 100 gallons water. Apply 450 gallons spray per acre to plant beds when all seeds have germinated. Repeat as necessary (8 1/2 pounds). Late blight (Septoria), pink rot (Sclerotinia). Use 1 1/2 pounds per 100 gallons water. Apply 200 gallons spray per acre. Repeat at 7 to 10 day intervals (2 1/2 pounds).

EGGPLANT: Phomopsis blight, fruit rot, anthracnose. Use 1 1/2 pounds. Begin when plants emerge in plant bed or when disease first appears in field. Repeat at 3 to 7 day intervals throughout growing season. Damping off. Use 1 1/2 pounds per acre. Use sufficient water for thorough coverage. Begin when all seeds have germinated. Repeat at 10 day intervals (3 1/2 pounds as furrow spray, 7 1/2 pounds in plant beds before transplanting).

ONIONS (Green and Bulb): Downy mildew, purple blotch. Use 1 1/2 pounds. Apply at first sign of infection and repeat at 7 to 10 day intervals (7 1/2 pounds).

PEPPERS, PIMENTOS: Anthracnose, coniospora (frog-eye), leaf spot and stem and root rot. Use 1 1/2 pounds. Apply at 3 to 7 day intervals throughout the growing season (3 1/2 pounds). Damping off. Use 1 1/2 pounds. Plant bed treatment. Begin when all seeds have germinated. Repeat at 10 day intervals (7 1/2 pounds).

TOMATO: Anthracnose, gray leaf spot, septoria leaf spot. Use 2 1/2 to 3 1/2 pounds per acre in sufficient water for thorough coverage. Under severe infection conditions use 3 1/2 to 5 pounds per acre in sufficient water for thorough coverage. Apply at first sign of infection and repeat at 5 to 7 day intervals if as needed to maintain control (7 1/2 pounds).

SPECIAL USES:

PREPLANTING SOIL TREATMENT: For control of damping off and root rot for tree crops, seed below, apply spray broadcast to soil surface as a preplanting application and cultivate into upper 3 to 4 inches of soil. Or apply to furrow over the seed and respectivelv 14 and 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.

BEANS, PEAS: Use 1 1/2 to 2 1/2 pounds broadcast or 3 1/2 to 5 1/2 pounds in furrow (7 1/2 pounds).

BEETS: Use 1 1/2 pounds per 100 gallons water or 4 pounds spray per 1000 square feet (8 1/2 pounds).

BROCCOLI, BRUSSELS SPROUTS, CABBAGE, CAULIFLOWER, COLLARDS, KALE, KOHLRABI, MUSTARD, RUTABAGAS, TURNIPS: Damping off (7 1/2 pounds), late blight (8 1/2 pounds).

CANTALOUPE, CUCUMBERS, HONEYDEW MELONS, PUMPKINS, SQUASH (SUMMER AND WINTER), WATERMELONS: Use 1 1/2 pounds per 100 gallons water, 400 gallons spray per acre broadcast (7 1/2 pounds).

SPINACH: (Direct seeded) Use 3 1/2 to 4 1/2 pounds per 30 gallons water in furrow (4 1/2 pounds).

POST HARVEST DIP: For control of various molds and storage rot (Botrytis, Gloeosporium, Rhizoglyphus).

Use as a post harvest dip for the following fruits and vegetables: Apples, Apricots, Cantaloupes, Cherries, Cucumbers, Grapes, Honeydew Melons,

Mangoes, Nectarines, Oranges, Apples and Peaches, Peaches, Pears, Potatoes, Tomatoes, Turnips, and other fruits. Use 1.5 pounds per 100 gallons of water in dip tank. When used as a dip, re-charge solution periodically when tank volume is reduced to 25%. Bring water back to volume and re-charge for each 25 gallons added. At end of each shift, empty tank, flush and charge with fresh solution. Do not allow dip tank solution to stand overnight. Maintain continuous agitation during dipping operation. CAUTION: Do not feed mango or other fruit by products to dairy animals or animals being finished for slaughter.

PACKING BOX TREATMENT: For reduction of storage rots and molds (Rhizopus, Botrytis, Gloeosporium) treat packing boxes with a solution of 1.5 pounds per 100 gallons water. Spray boxes thoroughly or use as a dip. Keep solution agitated continuously. Drain, flush and recharge the dip tank with new solution after each 8 hour shift.

ORNAMENTALS

AZALEAS: Damping off of cuttings. Use 1.5 pounds. Dip cuttings before bedding. Petal blight. Use 1.5 pounds. Apply to soil area around plant and spray flowers just before bloom. Repeat at 7 to 14 day intervals through bloom.

BEGONIAS (TUBEROUS): Damping off tubers. Use 2.0 pounds. Dip tubers 30 minutes, drain and plant.

CAMELLIAS: Damping off. Use 1.5 pounds. 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 1.5 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 2.0 pounds. Dip cuttings before bedding.

GLADIOLUS (CORNS): Corn rot and decay, damping off. Use 1.5 to 1 pound per 100 gallons. Dip corns 20 to 30 minutes. Drain and plant.

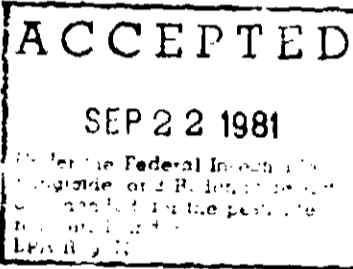
GRASSES (ORNAMENTAL IN NON-PASTURED AREAS ONLY): Leaf spot, damping off, brown patch, melting out, seedling blights, and brown spot on St. Augustine grass. Use 1.5 pounds. Apply 10 gallons spray per 1,000 square feet. Begin when growth starts in spring. Repeat at 7 to 14 day intervals throughout season. Do not graze treated areas or feed clippings to livestock.

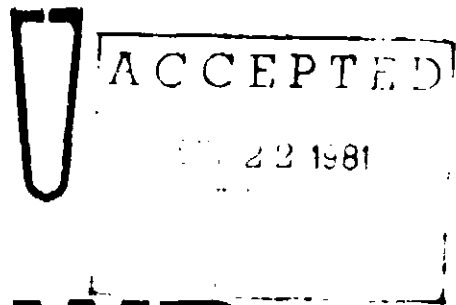
GRASSES (LAWN SEEDBEDS): Damping off and other soil borne diseases. Use 1.5 to 1.4 pounds per 1,000 square feet or 1.5 pounds in 100 gallons water used in pots. Spray per 1,000 square feet. Cultivate into soil per 3 to 4 inches before planting.

ROSES: Black spot, Botrytis blossom blight. Use 1.5 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 beans, celery, crucifers, eggplant, peas, peppers, tomatoes). Use 1 1/2 pounds per 100 gallons water at rate of 15 gallons per 1,000 square feet. Cultivate into upper 3 to 4 inches of soil before planting.

CHRYSANTHEMUM: Botrytis flower blight, Septoria leaf spot. Use 1 1/2 pounds. Apply at first sign of disease; repeat at 10 to 14 day intervals. Damping off of cuttings. Use 2 1/2 pounds. Dip cuttings before bedding.





AGWAY CAPTAN 80WP

Fungicide for disease control of fruits, vegetables & ornamentals

ACTIVE INGREDIENT

CAPTAN, N-trichloromethylthio-4-cyclohexene-1,2-dicarboximide	75.7%
Related compounds	4.3%
INERT INGREDIENTS	<u>20.0%</u>
TOTAL	100.0%

KEEP OUT OF REACH OF CHILDREN.

CAUTION

FIRST AID: In case of eye contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician. For skin contact, wash with soap & water.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Causes skin & eye irritation. May be harmful if swallowed or inhaled. Avoid contact with skin, eyes, nose, mouth, and clothing. Wash thoroughly after handling.

ENVIRONMENTAL HAZARDS

This product is toxic to fish. Do not apply directly to lakes, streams, or ponds. Do not apply where it is likely to occur. Do not contaminate water by cleaning of equipment or disposal of wastes.

PHYSICAL OR CHEMICAL HAZARDS

Store in a cool, dry place. Protect from excessive heat. Do not store or transport near food or feed.

DIRECTIONS FOR USE

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

STORAGE & DISPOSAL

Do not contaminate water, food or feed by storage, cleaning of equipment or disposal. Open dumping is prohibited.

Pesticide, spray mixture or rinsate that cannot be used according to label instructions must be disposed of according to Federal, State or local procedures under the Resource Conservation and Recovery Act.

Dispose of paper bags according to approved Federal, State or local procedures under the Resource Conservation and Recovery Act.

CAPTAN 80WP 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 the local conditions.

COMPATIBILITY AND PLANT SAFETY: CAPTAN 80WP 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 after sulfur 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 in trenching 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 trenching trees.

Applications can be made by aircraft or ground power equipment including air, concentrate and semi-concentrate equipment. Pour recommended amount of this material into clean, full spray tank. Add balance of water. Maintain agitation during filling and spraying operations. Do not allow mixture to stand. Do not combine with other fluids or wettable powders unless previous experience has proven them to be physically 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 80WP per 100 gallons with 1000 ft² of fruit and nut crops and ornamentals. For vegetable crops, rates are expressed as CAPTAN 80WP per acre in 500 ft² of water to provide thorough coverage. Except as specified by applications before or after harvest, use should be made only when needed to maintain control, but observe use limitations. Unless otherwise specified, all treatments can be made by ground application.

FOR FULL DIRECTIONS FOR USE SEE ATTACHED BOOKLET

© SOLA MEK. Buyer assumes all risks of use, storage, handling of product in accordance with the label given hereon.

NOTE: This pesticide is to be used ONLY in this original unopened package.

EPA Reg. No. 8590-553

AGWAY, INC., CHEMICAL DIVISION
801 49th STREET, SYRACUSE, N.Y. 13211

EPA Est. No. 8590-PA-1

NET WEIGHT 5 LBS.