

CAPTAN 50W

1002
1001
11678-40

A FUNGICIDE FOR PLANT DISEASE CONTROL

ACTIVE INGREDIENT:

Captan N-[(trichloromethyl)thio]-4-cyclohexene-1,2-dicarboximide 50%

INERT INGREDIENTS 50%

Total 100%

KEEP OUT OF REACH OF CHILDREN PELIGRO DANGER

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

Statement of Practical Treatment

If swallowed—give a large amount of water to drink, make person vomit, and call a doctor.

Inhalation —avoid breathing vapors or dust.

If in eyes —in case of eye contact, immediately flush eyes with water for 15 minutes and see a doctor.

If on skin —in case of skin contact, wash thoroughly with soap and water. If a skin rash develops see a doctor.

See side panel for additional Precautionary Statements

WARRANTY STATEMENT

NOTICE: Seller warrants that the product conforms to its chemical description and is reasonably fit for the purposes 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 of this product contrary to label instruction, or under abnormal conditions, or under conditions not reasonably foreseeable to seller, and buyer assumes the risk of any such use.

PLUMS, PRUNES—brown rot: 2 lbs./100 gallons. Apply at red bud, 75 percent bloom, petal fall and in cover sprays as necessary. Russet or lacy scab: 2 lbs./100 gallons using 400 gallons/acre. Apply at full bloom.

RASPBERRIES—anthracnose, botrytis, spur blight: 2 lbs./100 gallons. Apply at bloom or when new shoots are 8 to 10 inches long. Repeat 2 weeks later. Apply fall spray after canes are removed. Fruit rot: 2 lbs./100 gallons. Apply 3 to 5 days before harvest starts. Repeat at mid-harvest and 8 to 10 days later.

STRAWBERRIES—botrytis rot (gray mold) leaf spots: 3 lbs./100 gallons, using 200 gallons per acre. Begin at new growth. Repeat at 7-day intervals through picking and after harvest.

VEGETABLE CROP USES

ASPARAGUS—botrytis, root rots, phoma rot, panicle rot, fusarium: 3 lbs./100 gallons. Preplanting root dip for 1 minute, drain, plant. For smaller amounts mix 4 table-spoonsful per gallon.

CANTALOUPE, CUCUMBER, PUMPKIN, SUMMER and WINTER SQUASH, WATERMELON—angular leaf spot, anthracnose, downy mildew: Use 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.

POTATOES (preharvest)—early and late blights: 4 lbs./100 gallons. Begin when plants are 2 to 4 inches high. Repeat at 5 to 7-day intervals throughout season.

POTATO SEED-PIECE TREATMENT—seed rot, damping-off: Use 2 to 3 lbs. per 100 gallons water. Dip seed pieces in the solution before planting. Cut pieces should be treated within 6 hours of cutting. If planting is to be delayed more than 1 to 2 days, treated pieces should be stored for 2 days in open crates to allow air drying before bagging.

POTATO STORAGE ROT CONTROL: Dip washed and rinsed potatoes prior to storage in a slurry of 2 lbs. per 100 gallons of water. Dry and store.

TOMATO—anthracnose, early and late blight, gray leaf spot, septoria leaf spot: Use 4 to 6 lbs. per acre in sufficient water for thorough coverage. Under 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.

OTHER USES

PACKING BOXES (for fruits and vegetables)—reduction of storage rots, molds due to Rhizopus, Botrytis, Gloeosporium: 2 lbs./100 gallons. Spray or dip boxes prior to packing. If applied as a dip, keep solution agitated continuously. Change dip tank solution after each 8-hour shift.

SOIL AND GREENHOUSE BENCH PREPLANTING TREATMENT (ornamentals and vegetables)—damping-off, root rots (on seedlings and transplants): 0.2 to 0.4 lb. as a dust/1000 square feet (10 to 12 lbs./acre). Work into upper 3 to 4 inches of soil before planting.

AZALEAS, CARNATIONS, CHRYSANTHEMUM—damping-off of cuttings: 4 lbs./100 gallons. Dip cuttings before bedding.

CARNATION—alternaria leaf spot, rust; CHRYSANTHEMUM—Botrytis flower blight, septoria leaf spot; ROSES—black spot, botrytis blossom blight: 2 lbs./100 gallons. Begin at first growth or first sign of disease. Repeat at 7 to 10-day intervals, and more frequently during frequent rains and heavy dews.

GRASSES (ornamental in nonpastured areas only)—leaf spot, damping-off, brown patch, copper spot, mowing out, seedling blights and brown spot on St. Augustine grass: 2 lbs./100 gallons applying 10 gallons per 1000 square feet. (For smaller amounts, mix 8 teaspoonfuls per gallon of water and apply 1 gallon per 100 sq. feet of turf.) Begin when growth starts in spring. Repeat at 7 to 14-day intervals throughout season. Limit: Do not graze treated areas. Do not feed clippings to livestock.

SEED TREATMENT

BEANS, CABBAGE, CORN, MELONS, PEAS, SQUASH (seed rot, damping-off): 1/4 to 1 teaspoonful per pound of dry seed.

BEETS, CHARD, SPINACH, GRASS (seed rot, damping-off): 1/4 to 2 teaspoonful per pound of dry seed. Mix thoroughly in paper bag or glass jar.

WARRANTY:

Our recommendations for use of this product are based upon tests believed to be reliable. The use of this product being beyond the control of the manufacturer, no guarantee, expressed or implied, is made as to the effects of such or the results to be obtained if not used in accordance with directions or established safe practice. The buyer must assume all responsibility, including injury or damage, resulting from its mis-use as such, or in combination with other materials.

ACCEPTED
DEC 16 1985
Under the Federal Insecticide, Fungicide and Rodenticide Act, Reg. No. 11678-40AA, for the Fungicide

ORM-E

EPA Reg. No. 11678-40AA EPA Est. No. 11678-IS-01

Net Content 4 lbs.

Manufactured by:

Makhteshim Chemical Works, Ltd.
c/o Makhteshim-Agan (America) Inc.
2 Park Avenue
New York, N.Y. 10016

CAPTAN (RQ-10/4.54)

If a skin rash develops see a doctor.

See side panel for additional Precautionary Statements

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2 Park Avenue
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ACCEPTED
DEC 16 1985
Under the Federal Insecticide, Fungicide, and Rodenticide Act, 1909, for the pesticide registered under EPA Reg. No. 11678-40

CAPTAN (RQ-10/4.54)

... water for thorough coverage. Under normal 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.

OTHER USES

PACKING BOXES (for fruits and vegetables)—*reduction of storage rots, molds due to Rhizopus, Botrytis, Cladosporium*: 2 lbs./100 gallons. Spray or dip boxes prior to packing. If applied as a dip, keep solution agitated continuously. Change dip tank solution after each 8-hour shift.

SOIL AND GREENHOUSE BENCH PREPLANTING TREATMENT (ornamentals and vegetables)—*damping-off, root rots (on seedlings and transplants)*: 0.2 to 0.4 lb. as a dust/1000 square feet (10 to 12 lbs./acre). Work into upper 3 to 4 inches of soil before planting.

AZALEAS, CARNATIONS, CHRYSANTHEMUM—*damping-off of cuttings*: 4 lbs./100 gallons. Dip cuttings before bedding.

CARNATION—*alternaria leaf spot, rust*; **CHRYSANTHEMUM**—*Botrytis flower blight, septoria leaf spot*; **ROSES**—*black spot, botrytis blossom blight*: 2 lbs./100 gallons. Begin at first growth or first sign of disease. Repeat at 7 to 10-day intervals, and more frequently during frequent rains and heavy dews.

GRASSES (ornamental in nonpastured areas only)—*leaf spot, damping-off, brown patch, copper spot, melting out, seedling blights and brown spot on St. Augustine grass*: 2 lbs./100 gallons applying 10 gallons per 1000 square feet. (For smaller amounts, mix 8 teaspoonsful per gallon of water and apply 1 gallon per 100 sq. feet of turf). Begin when growth starts in spring. Repeat at 7 to 14-day intervals throughout season. Limit: Do not graze treated areas. Do not feed clippings to livestock.

SEED TREATMENT

BEANS, CABBAGE, CORN, MELONS, PEAS, SQUASH (seed rot, damping-off): 1/2 to 1 teaspoonful per pound of dry seed.

BEEETS, CHARD, SPINACH, GRASS (seed rot, damping-off): 1/2 to 2 teaspoonful per pound of dry seed. Mix thoroughly in paper bag or glass jar.

WARRANTY:

Our recommendations for use of this product are based upon tests believed to be reliable. The use of this product being beyond the control of the manufacturer, no guarantee, expressed or implied, is made as to the effects of such or the results to be obtained if not used in accordance with directions or established safe practice. The buyer must assume all responsibility, including injury or damage, resulting from its mis-use as such, or in combination with other material.

Protective clothing means, at least, a hat or other suitable head covering, a long sleeved shirt and long legged trousers or a coverall type garment (all of closely woven fabric covering the body, including the arms and legs), shoes and socks.

Because certain States may require more restrictive re-entry intervals for various crops treated with this product, consult your State Department of Agriculture for further information.

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. Inform workers of areas or fields that may not be entered until sprays have dried. An example of such information is given under written warnings. When oral warnings are given, warnings shall be given in a language customarily understood by workers. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers. *Written warnings must include the following information:*

DANGER

Area treated with Captan (insert date and time). Do not enter until spray dries. (Insert State Department of Agriculture's re-entry interval, if more restrictive).

In case of accidental exposure to pesticide spray or dust, wash the skin thoroughly with soap and water. Remove contaminated clothing and wash before reuse. If in eyes, flush with plenty of water. If inhaled, go to an area where the pesticide has not been applied. Get medical attention if needed.

STORAGE AND DISPOSAL

STORAGE:

Do not contaminate water, food, or feed by storage or disposal. Store in dry place.

CONTAINER DISPOSAL:

Completely empty bag into application equipment. Then 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.

PESTICIDE 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.

COMPATIBILITY

Captan 50-W can be used at recommended dosages in accordance with spray schedules or recommendations by State or Experiment Station personnel. Do not combine with oil and strongly alkaline materials such as Hydrated Lime, which reduces the fungicidal activity. Do not use this product in combination with, immediately before or closely following an oil spray, or with solvent formulations of Parathion products.

Captan 50-W 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. Spray injury may result if captan is used with, immediately before or closely following an oil spray.

DIRECTIONS FOR USE

Pour recommended amount of this material on surface of water in nearly-filled spray tank or pre-mix in a bucket half filled with water and pour mixture through screen into nearly filled spray tank. Add balance of water to fill tank. Keep agitator running during filling and spraying operations. Do not allow mixture to stand.

Consult state Agricultural Extension Service authorities for specific information as the timing, number and rate of applications needed will vary with local conditions.

RECOMMENDATIONS

The dosage rates on this label indicate pounds of Captan 50-W per 100 gallons of dilute spray unless otherwise stated.

APPLES—*scab*: For primary infection use 1.5 to 2 lbs./100 gallons. Apply in prebloom, blossom, petal fall and first cover periods. For secondary infection use 0.5 lb./100 gallons. Apply in cover periods. *Bitter rot, black rot, frogeye leaf spot, black pox, botryosphaeria (white rot)*: 2 lbs./100 gallons. Apply in late cover and preharvest periods. *Botrytis rot, bullseye rot*: 2 lbs./100 gallons. Apply in first and second cover sprays and in 1 or 2 preharvest sprays or as needed at 5 to 7-day intervals from prebloom through early cover periods. *Brooks fruit spot, flyspeck*: 0.5 to 2 lbs./100 gallons. Apply in cover periods. *Sooty blotch*: 2 lbs./100 gallons. Apply in cover periods. Captan 50-W should not be used 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 foliage injury and defoliation may occur.

Note: Red Delicious and other sensitive varieties may be injured by early season applications.

CHERRY—*brown rot, leaf spot*: 2 lbs./100 gallons. Apply in the 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 10-day intervals as needed to maintain cover up to start of harvest. Post harvest sprays—Use 2 lbs./100 gallons immediately after harvest for leaf spot. Repeat applications in 10 to 14 days.

GRAPE—*downy mildew, black rot*: Use 2 lbs./100 gallons 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) Use 4 lbs./100 gallons diluted spray. Apply 50 gallons per acre when shoots are 1 to 2 inches long. Repeat application when shoots are 4 to 6 inches long.

PEACH—(preharvest) *brown rot, thizopus, scab*: 2 lbs./100 gallons. Apply in pink, full bloom, shuck shed, cover and preharvest periods. *Brown rot* (blossom blight): 2 lbs./100 gallons. Apply at 3 to 4-day intervals during bloom. *Corynum blight*: 2 lbs./100 gallons. Apply in pink bud, full bloom, petal fall and cover periods as necessary and as a fall foliage spray.

STORAGE AND DISPOSAL

STORAGE:

Do not contaminate water, food, or feed by storage or disposal. Store in dry place.

CONTAINER DISPOSAL:

Completely empty bag into application equipment. Then 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.

PESTICIDE 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.

COMPATIBILITY

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GRAPE—*downy mildew, black rot*: Use 2 lbs./100 gallons 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) Use 4 lbs./100 gallons diluted spray. Apply 50 gallons per acre when shoots are 1 to 2 inches long. Repeat application when shoots are 4 to 6 inches long.

PEACH—(preharvest) *brown rot, rhizopus, scab*: 2 lbs./100 gallons. Apply in pink, full bloom, shuck shed, cover and preharvest periods. *Brown rot* (blossom blight): 2 lbs./100 gallons. Apply at 3 to 4-day intervals during bloom. *Corynaum blight*: 2 lbs./100 gallons. Apply in pink bud, full bloom, petal fall and cover periods as necessary and as a fall foliage spray.

PEAR—(preharvest)—*fruit spot, scab* (primary infections): 2 lbs./100 gallons. Apply in pink, petal fall and first two cover periods. *Scab* (secondary infection): 2 lbs./100 gallons. Apply in cover periods. Notes: Do not use on D'Anjou pears. Russelling may be produced on Bosc pears.

(Continued on back of bag)