

ACCEPTED

8 MAY 1980

8309-D2b

# CAPTAN 50-W

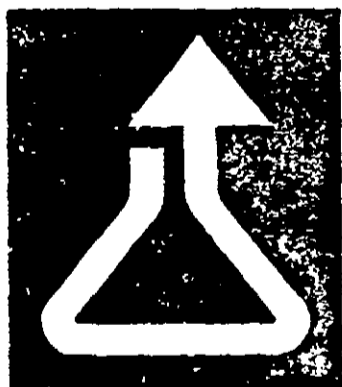
A FUNGICIDE FOR PLANT DISEASE CONTROL

**ACTIVE INGREDIENT**

Captan (N Trichloromethylthio-4-cyclohexene-1,2-dicarboximide).....	50.0%
<b>INERT INGREDIENTS</b> .....	<u>50.0%</u>
	100%

**KEEP OUT OF REACH OF CHILDREN  
DANGER**

Before using this product, read all additional precautionary statements, storage and disposal instructions, use restrictions and limit of warranty and liability statements on side panel, and the use directions.



**ROHM  
AND  
HAAS**

PHILADELPHIA, PA 19105

EPA Reg. No. 707-160-AA  
EPA Est. No. 279-NJ-1

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**NET CONTENTS**

**50** POUNDS  
(22.68 KG)

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## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

#### DANGER

Corrosive. Causes eye damage. Do not get in eyes, on skin or clothing. Wear goggles or face shield when handling. Wash thoroughly after breathing dust.

#### STATEMENT OF PRACTICAL TREATMENT

In case of eye contact, flush eyes with copious amounts of water for at least 15 minutes. Get medical attention.

Wash thoroughly after handling and using and before eating or smoking. Remove and wash contaminated clothing before reuse. Do not contaminate feed, foodstuffs, or water.

#### ENVIRONMENTAL HAZARD

This pesticide is toxic to fish. Keep out of lakes, ponds or streams. Do not apply when weather conditions favor drift from areas treated. 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.

## GENERAL INFORMATION

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 wettable powders unless previous experience has proven them to be physically compatible and safe to plants. (Read compatibility and plant safety information given under GENERAL INFORMATION.)

## OBSERVE THE FOLLOWING USE PRECAUTIONS

In 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.

**COMPATIBILITY AND PLANT SAFETY:** CAPTAN 50-W 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 50-W. Do not apply CAPTAN 50-W in combination with or immediately before or closely following oil sprays. The time factor governing the safe interval between CAPTAN 50-W 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 50-W and sulfur should not be used on crops sensitive to sulfur. Used at high rates or in drenching sprays, CAPTAN 50-W 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 50-W and other spray materials at lowest recommended rates and avoid drenching trees.

## RECOMMENDATIONS

Unless otherwise specified, rates are given in terms of CAPTAN 50-W per 100

gallons water for fruit and nut crops and ornamentals. For vegetable crops, rates are expressed as CAPTAN 50-W 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 50-W is given in parenthesis ( ) after crop claim.

## FRUIT AND NUT CROPS

**IMPORTANT:** Read label carefully. Although most of the directions on this label may be followed nationwide, a few are limited to either the eastern or western U.S. Follow these directions for your growing area where specified.

**ALMONDS:** Brown rot twig and blossom blight, anthracnose, leaf blight — Use 2 to 3 pounds. Apply at popcorn, bloom, and petal fall stages and up to 5 weeks after petal fall. Hulls may be fed to livestock (32 pounds).

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. (32 pounds)

**APPLES (western U.S.):** Apple scab — In preblossom sprays, use 2 pounds per 100 gallons of water in high volume application. In low volume sprays apply 16 pounds per acre. In mid-summer, the dosage may be reduced to 1 pound per 100 gallons in high volume application or 10 pounds per acre in low volume sprays. Blight, eye rot, Botrytis rot (Pacific Northwest) — 2 pounds per 100 gallons spray. Make 1 or 2 applications with late cover sprays and 1 to 2 preharvest applications. (16 pounds)

**APPLES (eastern U.S.):** Primary scab, black rot (frog-eye), Botrytis blossom end rot — 1 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, Nyspeck, black rot, black pox, Botrytisphaera 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 1 1/2 to 3 pounds sulfur or 4 to 6 pound Karathane to all prebloom and bloom sprays and 1 to 1 1/2 pound Karathane to all post bloom sprays until the foliage matures. Use 1/2 pound Karathane if interval between sprays is longer than 7 days. **Caution —** do not use CAPTAN 50-W 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 (twig blight), jacket rot — Use 2 pounds. Apply in red bud, bloom, 75% petal fall, and cover stages. (10 pounds)

**AVOCADOS:** Use 2 pounds per 100 gallons and apply in accordance with state recommendations.

**BLACKBERRIES, DEWBERRIES, RASPBERRIES (eastern U.S.):** Anthracnose — Use 4 pounds per acre in sufficient water for thorough coverage in the preblossom (when new canes are 6 to 8 inches long) and first cover (right after petal fall) sprays. Raspberries — Botrytis fruit rot — Use 2 pounds per 100 gallons of water. Begin application in the first bloom. Make 2 or more repeat applications (as field conditions warrant) at 10 to 15 day intervals. (6 pounds)

**RASPBERRIES (western U.S.):** Anthracnose, Botrytis spur blight — Apply 2 pounds. 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 — Apply 2 pounds. Apply 3 to 5 days before harvest starts. Repeat at mid-harvest and 8 to 10 days later. (6 pounds)

**BLUEBERRIES:** Botrytis gray mold or berry rot, mummy berry — Use 2 pounds in sufficient water for thorough coverage. Begin at mid-bloom, repeat at 7 to 10 day intervals until maturity. (5 pounds)

**CHERRIES (western U.S.):** Brown rot blossom blight, brown rot (fruit), leaf spot — Use 2 pounds in prebloom, bloom, petal fall, shuck, cover and preharvest sprays. (20 pounds)

**CHERRIES (eastern U.S.):** Brown rot, leaf spot, Botrytis rot — Use 2 pounds in prebloom, bloom, petal fall, shuck, cover and preharvest spray. 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 50-W may be reduced to 1 pound in these sprays. Postharvest sprays — Apply 2 pounds immediately after harvest for leaf spot. Repeat applications in 10 to 14 days. (20 pounds)

**CITRUS (Grapefruit, Lemons, Oranges, Tangelos, Tangerines):** Brown rot (Phytophthora) — Use 2 to 4 pounds. Apply to skirts of trees before winter rains. Wet tree thoroughly to height of 3 to 4 feet. Repeat 10 to 12 weeks later. (20 pounds) Melanose, scab (oranges and tangelos) — Use 2 pounds plus spray sticker. Apply as necessary from 1/2 petal fall until fruit is 1/2 inch in diameter. Do not apply after fruit size exceeds 1/2 inch in diameter. Do not feed raw by-products to livestock. (10 pounds)

**CRANBERRIES:** Blotch rot (Acanthomyces vacciniae), Guignardia blight — Apply 6 pounds per acre in 300 gallons of water in early spring. Repeat application as required. Storage rots, twig blight — Apply 6 pounds per acre in 300 gallons of water during the first week of June for twig blight, and in early and late August for storage rots. (7 pounds)

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**GRAPES (California)** Bunch rot (Botrytis) — Apply 2 pounds per acre. Make 2 applications before bloom and 1 just after bloom. Repeat periodically making 3 cover applications before the bunches close. Dead arm (current season infection) — Apply 4 pounds per 100 gallons spray. Apply 3 to 6 pounds per acre by ground equipment. Apply 4 pounds in 7 to 20 gallons of water per acre by aircraft. Apply first spray when green tissue begins to show but before shoots are 1 inch long. Apply a second spray when shoots are 6 to 8 inches long. (10 pounds)

**GRAPES (eastern U.S.)** Bark rot (brown midew) — 2 pounds per 100 gallons. Make first application just before bloom. Repeat just after bloom a 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 1 to 1 inch long. Repeat application when shoots are 4 to 6 inches long. (10 pounds)

**GRAPES (Raisins)** Mold control on fruit on drying trays in field. Apply 3 pounds as a dust or 2 pounds as a dust/acre with ground equipment. Apply to fruit on trays. During damp weather, make a second application after trays are turned.

**LIMITS: POSTHARVEST DO NOT APPLY** within 5 days of a preharvest application of CAPTAN 50-W.

**MANGOES:** Cercospora leaf spot or blotch — Use 2 pounds. Begin at first sign of disease and repeat at weekly intervals to maintain control. (20 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 50-W may be 1 to 1 pound in these sprays. Coryneum blight (peach blight, shot hole) — Use 2 pounds apply in pre-bloom, full bloom, petal fall and cover periods as necessary and as a postharvest spray (but before leaves drop). (10 pounds)

**PEACHES (NURSERY STOCK)** (California) Preventative preplant dip treatment for crown gall. Use 4 pounds CAPTAN 50-W plus 3.2 parts diluted sodium hypochlorite (5.25% household bleach) per 100 gallons water. Wash nursery trees to remove soil from roots. Cut off all dormant buds and suckers in crown area and prune root system if necessary. Submerge the entire dormant tree for 5 minutes. Recharge dip during operation as necessary to maintain a proper concentration of 200 ppm chlorine. Check the concentration frequently using a chlorine test kit.

**PEARS (western U.S. — except Pacific northwest)** Pear scab — Use 2 pounds. Apply during early finger stage, petal fall and first cover sprays. Under severe scab infection conditions additional treatments may be necessary. Russetting may be reduced on Bosc pears. Do not use on D'Anjou pears. (16 pounds)

**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 reduced on Bosc pears. Do not use on D'Anjou pears. (16 pounds)

**PINEAPPLES:** Heart rot (Phytophthora parasitica) — Use 10 pounds. Dip stem into solution just prior to planting. Root rot (Phytophthora cinnamomi) — Use 4 pounds. Spray immediately after planting. Repeat at 2 week intervals. (20 pounds) Postharvest dip: Storage and transit rots — Use 10 pounds. Dip or wash harvested fruit.

**PLUMS, PRUNES (western U.S.)** Brown rot — Use 2 pounds. Apply at green bud, popcorn, bloom and petal fall stages. Repeat in cover sprays as conditions warrant. Russet scab (lacy scab) (in California) — Apply 2 pounds per 100 gallons water (8 pounds per acre) Apply at full bloom. (10 pounds)

**PLUMS, PRUNES (eastern U.S.)** Brown rot — Use 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. (10 pounds)

**QUINCE:** Brown rot, scab — Use 2 pounds. Begin when disease threatens. Repeat at 7 to 10 day intervals. Do not apply within 7 days of harvest. (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)

## VEGETABLE CROPS

**ASPARAGUS (PREPLANTING ROOT DIP):** Botrytis, root rots, phoma rot, penicillium rot, fusarium — Use 3 pounds per 100 gallons water (4 tablespoons per gallon). Dip root sections for 1 minute, drain and plant.

**BEANS, PEAS:** Damping-off (beans only), fungus root rot — Use 10 to 12 pounds per acre as a broadcast treatment working into top 3 to 4 inches of soil, or use 5 to 6 pounds per acre in the row at time of planting.

**CANTALOUPE, CUCUMBER, PUMPKIN, SUMMER AND WINTER SQUASH, HONEYDEW MELONS, WATERMELON:** Angular leaf spot, anthracnose — 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)

**CARROTS:** Cercospora blights, septoria leaf spot — Use 2 pounds per 100 gallons water and apply the equivalent of 4 pounds CAPTAN 50-W per acre. Apply at first sign of disease and repeat at 6 to 10 day intervals. (6 pounds)

**CELERY:** Damping-off, pink rot — Use 2 pounds per 100 gallons water. Apply 450 gallons spray per acre to plant beds when all seeds have germinated. Repeat as necessary. (13 pounds) Late blight (septoria), downy mildew (scierotinia) — Use 2 pounds per 100 gallons water. Apply 200 gallons spray per acre. Spraying should begin in the seedbed and be continued at 7 to 10 day intervals. (4 pounds)

**CORN (Sweet)** Helminthosporium leaf blight — Apply 1 to 2 pounds per 100 gallons at 10 to 14 days before harvest. Damping-off, root rot — Apply 12 pounds as a dust/acre. Apply to soil before planting and cultivate into upper 3 to 4 inches of soil.

**LIMITS:** Foliar and preplanting soil treatment. DO NOT APPLY within 10 days of harvest. DO NOT FEED forage to dairy animals or animals being finished for slaughter.

**EGGPLANT:** Phomopsis blight, late blight, anthracnose — Use 2 pounds. Begin when plants emerge in plant bed or when disease first appears in field. Repeat at 3 to 7 day intervals through growing season. Damping-off — Use 10 to 12 pounds per acre in sufficient water for thorough coverage. Begin when all seeds have germinated. Repeat at 10 day intervals. (6 pounds as foliar spray, 12 pounds in plant beds before transplanting)

**LETTUCE, SPINACH:** Downy mildew — 2 pounds per 100 gallons spray. Apply 100 to 200 gallons of spray per acre. Apply at first signs of disease. Repeat at 7 to 10 day intervals as necessary to maintain control.

**ONIONS (GREEN):** (California) Downy mildew — Use 3 pounds per acre in 5 to 20 gallons water per acre by air or 20 to 100 gallons water per acre by ground equipment. Apply at first sign of infection and repeat at 5 to 7 day intervals or as needed to maintain disease control. (3 pounds)

**ONIONS (GREEN AND BLUE):** Downy mildew, purple blotch — Use 2 pounds. Apply at first sign of infection and repeat at 7 to 10 day intervals. (3 pounds)

**PEPPERS, PIMENTOS:** Anthracnose, Cercospora frogeye leaf spot and stem rot — Use 3 pounds. Apply at 3 to 7 day intervals throughout the growing season. (6 pounds) Damping-off — Use 2 pounds. Plant bed treatment. Begin when all seeds have germinated. Repeat at 10 day intervals. (12 pounds)

**POTATOES (Preharvest)** Early and late blights — Apply using one of the following:  
A) Apply 4 to 8 pounds per 100 gallons  
B) Apply 6 to 12 pounds per acre in sufficient water to insure complete coverage.

C) Apply 3 to 6 pounds per acre as a dust. Begin when plants are 2 to 4 inches high, or at first sign of disease. Repeat at 5 to 7 day intervals. Use the higher rates under severe conditions.

**POTATOES (Seed Piece)** Erown eye, damping-off, seed rot, Verticillium wilt — Use 1 to 3 pounds per 100 gallons or 1.5 to 2.8 pounds per bushel as a dust. Dip or dust seed pieces before planting, but pieces should be treated within 6 hours of cutting. If planting is delayed more than one or two days, treated pieces should be stored two days in open crates before bagging.

**RAPE:** Damping-off only — Use 15 pounds broadcast. (28 pounds)

**RHUBARB (Greenhouse):** Botrytis cinerea (leaf rot) — Apply 2 pounds per 100 gallons following budding and at weekly intervals until harvest.

**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)

## FIELD CROPS

**COTTON:** Damping-off, Anzoctonia seed and seedling blights — Apply 8 to 12 pounds per acre as a dust. Apply to seed row at time of planting or 2 pounds plus one pound (actual) of pentachloronitrobenzene as coated granules/acre. Apply in furrow and mix with covering soil at planting time.

**SOYBEANS:** Damping-off, root rots — Apply 4 to 6 pounds per acre as a dust or spray. Apply to soil at planting time and mix into upper 3 to 4 inches of soil or apply 2 pounds plus 1 pound (actual) of pentachloronitrobenzene as coated granules/acre. Apply in furrow and mix with covering soil at planting time.

## SPECIAL USES

**PREPLANTING SOIL TREATMENT:** For control of damping-off and root rots for the crops listed 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 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.

**BEANS, PEAS:** Use 10 to 12 pounds broadcast or 5 to 6 pounds in furrow. (12 pounds)

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**BEETS:** Use 2 pounds per 100 gallons water. 15 gallons spray per 1000 square feet (13 pounds)

**BROCCOLI, BRUSSELS SPROUTS, CABBAGE, CAULIFLOWER, COLLARDS, KALE, KONIRABI, MUSTARD, RUTABAGAS, TURNIPS:** Damping-off only — Use 15 pounds broadcast (28 pounds)

**CANTALOUPES, CUCUMBERS, HONEYDEW MELONS, PUMPKINS, SQUASH (SUMMER AND WINTER), WATERMELONS:** Use 2 pounds per 100 gallons water. 600 gallons spray per acre broadcast (12 pounds)

**SPINACH (Direct seeded) —** Use 5 to 7 pounds in 30 gallons water in furrow (7 pounds)

**POST HARVEST DIP:** For control of various molds and storage rots (Botrytis, Geosporium, Rhizopus). Use as a post harvest dip or wash on the following fruits and vegetables: Apples, Apricots, Cantaloupes, Cherries, Cucumbers, Grapefruit, Lemons, Limes, Mangoes, Nectarines, Onions (Green and Bulb), Oranges, Peaches, Pears, Potatoes, Tangelos, Tangerines — Use 2 1/2 pounds. Apply as a spray or in dip tank. When used as a dip, recharge wash solution periodically when tank volume is reduced by 25%. Bring water back to volume and add 1 pound for each 25 gallons added. At the end of every 8 hour shift, empty tank, flush and charge with fresh dilution. Do not allow dip tank solution to stand overnight. Maintain continuous agitation during dipping operation. **Caution:** Do not feed mango or citrus by products to dairy animals or animals being finished for slaughter.

**PACKING BOX TREATMENT:** For reduction of storage rots and molds (Rhizopus, Botrytis, Geosporium) treat packing boxes with a solution of 2 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 hr.

**TAKO (Hawaii only):** Pythium soft rot — Apply 100 pounds per acre in 500 gallons of water as a slurry to soil surface prior to planting. Till into a depth of 6 inches or apply 100 pounds of CAPTAN 50-W with fertilizer as a homogeneous dry mix and broadcast on the dry soil before taro is planted and the field is flooded. Apply only 1 preplant application. Do not use if leaves are to be used as food or feed. For use on wetland taro in Hawaii only.

## ORNAMENTALS

**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 sod 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.

**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.

**DIC (California only):** White mold (Sclerotium rolfsii) — Use 2 pounds. Apply 1 gallon spray per 10 square feet. Make 2 to 3 applications at 7 day intervals.

**FLOWERS, SHRUBS, TREES:** Damping-off, seeds and root rots — plant beds, greenhouse benches — Use 2 pounds per 100 gallons. Apply 15 gallons per 1000 square feet. Cultivate into upper 3 to 4 inches of soil before planting.

**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.

**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 2 pounds. Apply 10 gallons spray per 1000 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 1/4 to 1/2 pound per 1000 square feet or 2 pounds in 100 gallons water using 15 gallons spray per 1000 square feet. Cultivate into upper 3 to 4 inches of soil before planting.

**HOLLYHOCK, LILAC, SNAPDRAGON, SPIREA:** Anthracnose — Apply 4.2 pounds per acre as a dust before disease appears. Repeat at weekly intervals during warm wet weather.

**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.

**TUCKS:** Botrytis rot — Apply 8 to 10 pounds per acre as a dust. Apply when disease appears. Repeat application at 7 day intervals or as needed.

**OIL 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, cucumbers, eggplant, peas, peppers, tomatoes) — Use 2 pounds per 100 gallons water at rate of 15 gallons per 1000 square feet. Cultivate into upper 3 to 4 inches of soil before planting.

## STORAGE AND DISPOSAL

**PROHIBITIONS AND RECOMMENDATIONS:** Do not contaminate water, food or feed by storage and disposal. Open burning is prohibited. Do not reuse empty container.

**PROTECT FROM EXCESSIVE HEAT  
STORE IN A COOL, DRY PLACE**

**PESTICIDE DISPOSAL:** Pesticide spray mixture or residue that cannot be used or chemically reprocessed should be disposed of in a landfill approved for pesticides or buried in a safe place away from water supplies.

**CONTAINER DISPOSAL:** Dispose of in incinerator or landfill approved for pesticide containers or bury in a safe place.

**GENERAL:** Consult Federal, State or local disposal authorities for approved alternative procedures such as limited open burning.

**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 in a manner other than as directed by 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, damage to plants, crops and animals to which the material is applied, failure to control pests, damage caused by drift to other plants or crops, and personal injury.

POST TREATMENT AVAILABLE