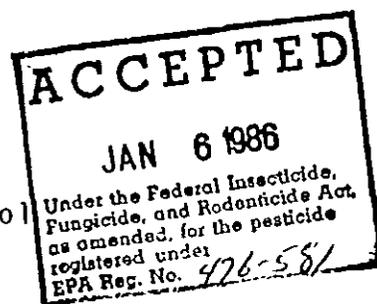


(Stauffer Shield)

CAPTAN 50-WP

A Fungicide For Plant Disease Control



ACTIVE INGREDIENTS:

Captan: N-[(trichloromethyl)thio]-4-cyclo- hexene-1,2-dicarboximide . . . . .	47.3%
Related derivatives . . . . .	2.7%

<u>INERT INGREDIENTS:</u> . . . . .	50.0%
	100.0%

CAPTAN 50-WP 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.

KEEP OUT OF REACH OF CHILDREN

PELIGRO

D A N G E R

PRECAUCION AL USUARIO:  
SI USTED NO LEE INGLES,  
NO USE ESTE PRODUCTO HASTA  
QUE LA ETIQUETA LE HAYA  
SIDO EXPLICADA AMPLIAMENTE

CORROSIVE, CAUSES IRREVERSIBLE EYE DAMAGE

STATEMENT OF PRACTICAL TREATMENT

First Aid:

If a known exposure occurs or is suspected, immediately start the procedures given below and contact a POISON CENTER, PHYSICIAN, OR THE NEAREST HOSPITAL or call collect, day or night, (203) 226-6602 Stauffer Chemical Company or 1-800-424-9300 Pesticide Safety Team Network. Describe the type and extent of exposure, the victim's symptoms and follow the advise given.

Ingestion

If swallowed, immediately give several glasses of water and induce vomiting by placing a finger on the back of the victim's tongue. Give fluids until vomitus is clear. If victim is unconscious or convulsing, do not induce vomiting or give anything by mouth.

Eye Contact

Immediately flush eyes with large amounts of running water for at least 15 minutes. Hold eyelids apart during flushing to ensure rinsing of the entire surface of the eye and lids with water. Get medical attention immediately.

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Skin Contact

Flush affected areas with plenty of water for several minutes. Remove and clean contaminated clothing and shoes. Seek medical attention if irritation occurs.

Inhalation

If inhaled, remove to fresh air. Seek medical attention if respiratory irritation occurs or if breathing becomes difficult.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER

CORROSIVE, CAUSES IRREVERSIBLE EYE DAMAGE

Harmful if swallowed. Do not get in eyes or on clothing. Wear goggles or face shield. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation.

ENVIRONMENTAL HAZARDS

Do not apply directly to water or wetlands. Toxic to fish. Do not contaminate any body of water by cleaning of equipment, disposal of wastes or application where runoff is likely to occur. Do not apply when weather conditions favor drift from areas treated.

STORE IN COOL, DRY PLACE -- PROTECT FROM EXCESSIVE HEAT

This product is sold only for uses stated on its label. No express or implied license is granted to use or sell this product under any patent in any country except as specified:  
Country: United States

\_\_\_\_\_ LBS. NET \_\_\_\_\_ KG

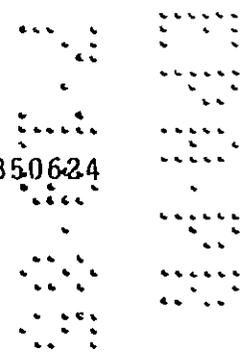
EPA Reg. No. 476-581

EPA Est. No.

RS-850624

Made in U.S.A. By

STAUFFER CHEMICAL COMPANY  
WESTPORT, CT. 06881-0850



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 time of applications needed will vary with the local conditions.

COMPATIBILITY AND PLANT SAFETY: CAPTAN 50-WP 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 trees.

DIRECTIONS FOR USE

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

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 USE PRECAUTIONS).

RE-ENTRY STATEMENT

- 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.
- Do not enter treated areas without protective clothing until sprays have dried.
- Because certain states may require more restrictive reentry 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. 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 and must indicate the specific period of time that treated areas may not be entered without protective clothing. Oral warnings must also include appropriate first aid instructions in case of accidental exposure. These instructions are given in the STATEMENT OF PRACTICAL TREATMENT at the beginning of this label.

Written warnings must include the following information, "DANGER. Area treated with CAPTAN Agricultural Fungicide on (date of application). Do not enter treated areas without appropriate protective clothing until sprays have dried (or other reentry interval if your State has a more restrictive interval for this product). If accidental exposure occurs, follow the instructions below." (Written warnings must include the STATEMENT OF PRACTICAL TREATMENT given at the beginning of this label).

RECOMMENDATIONS

Unless otherwise specified, rates are given in terms of CAPTAN 50-WP per 100 gallons water for fruit and nut crops and ornamentals. For vegetables crops, rates are expressed as CAPTAN 50-WP 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-WP is given in parenthesis, ( ), after each 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 those directions for your growing area where specified.

ALMONDS: Brown rot twig and blossom blight, shothole, scab, 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 (Eastern U.S.): Primary scab, black rot (frog-eye), botrytis blossom-end rot -- 1-1/2 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 1-1/2 to 3 pounds sulfur or 1/4 to 1/2 pound Karathane to all pre-bloom and bloom sprays and 1/4 to 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 in combination with or closely following or in alternation with wettable sulfur products on sulfur sensitive varieties of apples such as Red Delicious, Staymen, 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)

BLACKBERRY, DEWBERRY, RASPBERRY (Eastern U.S.): Anthracnose, Use 4 pounds per acre in sufficient water for thorough coverage in pre-blossom (when new canes are 6 to 8 inches long) and first cover (right after petal fall) sprays. Raspberry -- 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)

CHERRIES (Eastern U.S.): Brown rot, leaf spot, Botrytis rot -- Use 2 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 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)

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 2/3 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)

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 1/2 to 1 inch long. Repeat application when shoots are 4 to 6 inches long. (10 pounds)

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 may be reduced to 1 pound in these sprays. Coryneum blight (peach blight, shothole) -- Use 2 pounds, in pink bud, full bloom, petal fall and cover periods as necessary and as a post harvest spray (but before leaves drop). (10 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. Russeting may be reduced on Bosc pears. Do not use on D'Anjou pears. (16 pounds)

PINEAPPLES: Heart rot (phytophthora parasitica) -- Use 10 pounds. Dip slips into solution just prior to planting. Root rot (phytophthora cinnamoni) -- Use 4 pounds. Spray immediately after planting. Repeat at 2 week intervals (20 pounds). Post Harvest Dip: Storage and transit rots -- Use 10 pounds. Dip or wash harvested fruit.

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 tablespoonfuls per gallon). Dip root sections for 1 minute, drain and plant.

BEANS, PEAS: Damping-off (bean 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-WP 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), (septoria), pink rot (sclerotinia) -- 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)

EGGPLANT: Phomopsis blight, fruit rot, 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)

ONIONS (GREEN AND BULB): 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 (frog-eye leaf spot and stem end 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)

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)

#### 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)

BEETS: Use 2 pounds per 100 gallons water; 15 gallons spray per 1,000 square feet. (13 pounds)

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

CANTALOUPE, 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, Gleosporium, 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 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, Gleosporium) 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 hour shift.

#### 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 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.

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.

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 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 1/4 to 1/3 pound per 1,000 square feet or 2 pounds in 100 gallons water using 15 gallons spray per 1000 square feet. Cultivate into upper 3 to 4 inches before planting.

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 seedling or transplants of roses (and other shrubs, trees, flowers). Lawn seedbeds, vegetables (such as beans, celery, crucifers, eggplant, peas, peppers, tomatoes) -- Use 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.

#### STORAGE AND DISPOSAL

PROHIBITIONS: Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited.

STORAGE: Keep container tightly closed when not in use. Store in a cool dry place. Do not store near seeds, fertilizer or foodstuffs.

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.

CONTAINER DISPOSAL: Do not reuse. 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.

## NOTICE -- READ CAREFULLY

CONDITIONS OF SALE: Stauffer (and seller) offer(s) this product for sale subject to, and buyer and all users are deemed to have accepted, the following conditions of sale and warranty which may only be varied by written agreement of a duly authorized representative of Stauffer.

WARRANTY LIMITATION: Stauffer warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the directions for use on the label subject to the inherent risks referred to below. Stauffer makes no other express warranties; THERE IS NO IMPLIED WARRANTY OF MERCHANTABILITY and there are no warranties which extend beyond the description on the label hereof.

INHERENT RISKS: The directions for use of this product are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks associated with use. Buyer assumes all risks associated with use or application of this product contrary to label instructions or resulting from extraordinary weather conditions.

LIMITATION OF LIABILITY: In no case shall Stauffer be liable for special, indirect, or consequential damages resulting from the use or handling of this product and no claim of any kind shall be greater in amount than the purchase price of the product in respect of which such damages are claimed.