



CAPTAN 50-W

For Agricultural or Commercial Use only

ACTIVE INGREDIENTS:	BY WT.
* Captan	49.99%
Related Derivatives	1.12%
INERT INGREDIENTS:	50.00%
	TOTAL 100.00%

* N-Trichloromethylthio-4-cyclohexene-1,2-dicarboximide

KEEP OUT OF REACH OF CHILDREN DANGER PELIGRO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand this label, find someone to explain it to you in detail.)

EPA REG. NO. 34704-427

EPA EST. NO. _____

NET WEIGHT 30 LBS. (13.61 KG)

39608

EXP07G94

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. Avoid contact with skin and clothing.

Personal Protective Equipment:

Applicators and other handlers (other than mixers and loaders) must wear: long-sleeved shirt and long pants, waterproof gloves, shoes plus socks and protective eyewear.

Mixers and loaders must wear: long-sleeved shirt and long pants, waterproof gloves, shoes plus socks, protective eyewear, chemical-resistant apron when mixing or loading and a dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C).

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

Engineering controls statements:

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets with requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

USER SAFETY RECOMMENDATIONS

Users should:

Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet

Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing

Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing

STATEMENT OF PRACTICAL TREATMENT

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

If swallowed: Call physician or Poison Control Center immediately

Drink promptly a large quantity of milk, egg whites, gelatin solutions, or if these are not available, drink large quantities of water. Avoid alcohol. Do not give anything by mouth to an unconscious person.

If inhaled: Remove victim to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. Get medical attention.

If on skin: Wash with plenty of soap and water. Get medical attention if irritation persists.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not clean equipment or dispose of equipment washwaters in a manner that will contaminate water resources.

DIRECTIONS FOR USE

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

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), notification to workers, and restricted-entry interval. The requirements in this box apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 4 days.

Exception: For the last 48 hours of the REI, workers may enter the treated area to perform hard labor or other tasks involving contact with anything that has been treated, such as plants, soil, or water, without time limit, if they wear the early-entry personal protective equipment listed below.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is: coveralls, water proof gloves, shoes plus socks and protective eyewear.

STORAGE AND DISPOSAL

PESTICIDE STORAGE: Keep out of reach of children and animals. Store in original containers only. Store in a cool, dry place and avoid excess heat. Carefully open containers. After partial use, fold and roll back bags, clamp and close tightly. Do not put concentrate or dilute material into food or drink containers. Do not contaminate other pesticides, fertilizers, water, food or feed by storage or disposal. In case of spill, avoid contact, isolate area and keep out animals and unprotected persons. Confine spills. To confine spill: If liquid, dike surrounding area or absorb with sand, cat litter or commercial clay. If dry material, cover to prevent dispersal. Place damaged package in a holding container. Identify contents.

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

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Storage and Disposal, Cont'd.

nearest EPA Regional Office for guidance.

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.

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

NOTE TO USER:

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.

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.

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 higher 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.

MIXING INSTRUCTIONS—TYPES OF APPLICATIONS

Applications can be made by aircraft or ground power equipment (including concentrate and semi-concentrate equipment), unless otherwise specified within the crop claim. 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.)

Do not apply this product through any type of irrigation system

RECOMMENDATIONS

Unless otherwise specified, rates are given in terms of CAPTAN 50 W per 100 gallons water for fruit and nut crops and ornamentals. Maximum permissible rate per acre, per application of CAPTAN 50-W is given in parentheses. (), after crop claim. 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, applications can be made on the day of harvest.

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. Do not apply within 30 days of harvest. Hulls may be fed to livestock. (9 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. (9 pounds)

APPLES (Eastern U.S.): Primary scab, Black rot (frog-eye), Botrytis blossom rot—Use 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—Use 1 to 2 pounds at 10 to 14 day intervals in second and later cover sprays up to start of harvest. (8 pounds) Powdery mildew—Add 1 1/2 to 3 pounds sulfur or 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. 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. (8 pounds)

APPLES (Western U.S.): Apple scab—In preblossom sprays, use 2 lbs. per 100 gallons of water in high volume application. In low volume sprays apply 8 pounds per acre. In mid-summer, the dosage may be reduced to 1 pound per 100 gallons in high volume application. Low volume applications of 8 pounds per acre may be made. (Pacific Northwest): Bull's eye rot, Botrytis rot—2 pounds per 100 gallons spray. Make 1 to 2 applications with late cover sprays and 1 to 2 preharvest applications. (8 pounds)

APRICOTS: Brown rot (twig blight), Jacket rot—Use 5 pounds per acre in 20 to 250 gallons of water. Apply by ground application only. Apply in red bud, bloom, 75% petal fall, and cover stages. (5 pounds)

BLUEBERRIES (Western U.S.) (except California): Botrytis Blossom Blight and Fruit Rot, Mummy Berry. Apply 2 to 5 pounds per acre. Begin applications at mid-bloom and repeat at 7-14 day intervals as necessary to maintain control. For severe conditions apply at 7 day intervals. Apply as a spray with ground equipment using sufficient water to obtain thorough coverage of plants. As a dilute ground spray, use a minimum of 200 gallons of spray suspension per acre. As a concentrate ground spray, use a minimum of 20 gallons of spray suspension per acre. For aerial application use sufficient water (5 to 20 gals.) to obtain adequate coverage. (5 pounds)

BLUEBERRIES (Eastern U.S.): Botrytis Blossom Blight and Fruit Rot, Mummy Berry. Apply 5 pounds per acre. Begin applications when buds swell or when buds have loose scale and repeat at 7-14 day intervals as necessary to maintain control. For severe conditions apply at 7 day intervals. Apply as a spray with ground equipment using sufficient water to obtain thorough coverage of plants. As a dilute ground spray, use a minimum of 200 gallons of spray suspension per acre. As a concentrate ground spray, use a minimum of 20 gallons of spray suspension per acre. For aerial application use sufficient water (5 to 20 gals.) to obtain adequate coverage. (5 pounds)

CHERRIES (Eastern U.S.): Brown rot, leaf spot, Botrytis rot—Use 2 pounds in prebloom, 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. Apply by ground application only. Post harvest sprays—Apply 2 pounds immediately after harvest for leaf spot. Repeat application in 10 to 14 days. Apply by ground application only. (4 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. Apply by ground application only. (4 pounds)

GRAPES (Eastern U.S.): Black rot, Downy mildew—Use 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. Phomopsis Cane and leaf spot. (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. (4 pounds)

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. Phomopsis Cane and leaf spot (Current season infection)—Apply 4 pounds per 100 gallons spray. Apply 3 to 4 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. (4 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 control. 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. Apply to nectarines by ground application only. (6 pounds)

PLUMS, FRESH PRUNES (Eastern U.S.): Brown rot—Use 2 pounds in full pink, bloom, 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. Apply by ground application only. (6 pounds)

PLUMS, FRESH 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. Prune russet scab (Lacy scab) (In California)—Apply 2 pounds per 100 gallons water (pounds per acre). Apply at full bloom. Apply by ground application only. (6 pounds)

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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. Total application rate not to exceed 48 pounds of product per acre per year. Under conditions favorable to fruit rot continue applications through harvest period treating immediately after each picking. (6 pounds). If this product is to be applied by directed or banded sprays use the following formula to calculate the rate.

$$\text{Banded rate of product per acre} = \frac{\text{Plant bed width (inches)}}{\text{Row Spacing (inches)}} \times \text{Broadcast rate per acre}$$

SPECIAL USES

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: Apples, Cherries, Figs—Use 2½ pounds. Apply 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 operation.

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.

CAMELIAS: 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 ½ to 1½ 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—Use 2 pounds per 100 gallons of water at rate of 15 gallons per 1,000 square feet. 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.

NOTICE

PLATTE WARRANTS THAT THIS PRODUCT CONFORMS TO THE CHEMICAL DESCRIPTION ON THE LABEL THEREOF AND IS REASONABLY FIT FOR THE PURPOSES STATED ON SUCH LABEL ONLY WHEN USED IN ACCORDANCE WITH THE DIRECTIONS UNDER NORMAL USE CONDITIONS. IT IS IMPOSSIBLE TO ELIMINATE ALL RISKS INHERENTLY ASSOCIATED WITH THE USE OF THIS PRODUCT. CROP INJURY, INEFFECTIVENESS, OR OTHER UNINTENDED CONSEQUENCES MAY RESULT BECAUSE OF SUCH FACTORS AS WEATHER CONDITIONS, PRESENCE OF OTHER MATERIALS, OR THE MANNER OF USE OR APPLICATION, ALL OF WHICH ARE BEYOND THE CONTROL OF PLATTE. IN NO CASE SHALL PLATTE BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. ALL SUCH RISKS SHALL BE ASSUMED BY THE BUYER EXCEPT AS EXPRESSLY PROVIDED HEREIN. PLATTE MAKES NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND, EITHER EXPRESSED OR IMPLIED, OR BY USAGE OF TRADE, STATUTORY OR OTHERWISE, WITH REGARD TO THE PRODUCT SOLD, INCLUDING, BUT NOT LIMITED TO, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, USE OR ELIGIBILITY OF THE PRODUCT FOR ANY PARTICULAR TRADE USAGE. BUYER'S OR USER'S EXCLUSIVE REMEDY, AND PLATTE'S TOTAL LIABILITY SHALL BE FOR DAMAGES NOT EXCEEDING THE COST OF THE PRODUCT.

* KARATHANE is a Registered T.M. of Rohm & Haas Co.

FORMULATED FOR
PLATTE CHEMICAL CO.

150 SO. MAIN STREET FREMONT, NEBRASKA 68025-5697

