



For Agricultural or Commercial Use only

ACTIVE INGREDIENTS:	BY WT.
*Captan .....	48.88%
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**

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

EPA REG. NO. 34704-427

\* CLEAN CROP is a Registered T.M. of United Agrl Products Inc.

**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.

**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. Do not apply directly to water or wetlands (swamps, bays, marshes, and potholes). Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. 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.

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 protected persons.

Wear goggles or a face shield when handling. Wash thoroughly with soap and water after handling. Remove contaminated clothing and separately launder clothing before reuse.

Mixing loaders when mixing and loading this product must wear a long-sleeved shirt and long pants or a coverall that covers all parts of the body except the head, hands and feet. Wear chemical resistant gloves, goggles or a face shield and a chemically resistant apron. A dust mask must be worn when mixing and loading this product.

Fieldworkers and harvesters must wear chemical resistant gloves. Leather or fabric gloves are not acceptable.

**AFTER WORK:** Take off all clothes and shoes. Shower using soap and water. Do not wear contaminated clothing. Wash protective clothing and equipment with soap and water after each use. Personal clothing worn during use must be laundered separately from household articles. Clothing and protective equipment heavily contaminated or drenched with captan must be destroyed according to state and local regulations.

2

During application only, from a tractor with a completely enclosed cab or from an aircraft with an enclosed cockpit a long-sleeved shirt and long legged pants must be worn. Chemically resistant gloves must be available in the cab or cockpit and worn while exiting.

**REENTRY STATEMENT**

Do not allow persons to enter treated areas within 4 days following application unless a long-sleeved shirt and long pants or a coverall that covers all parts of the body except the head, hands and feet and chemically resistant gloves are worn. Conspicuously post reentry information at site of application.

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. Inform workers of areas or fields that may not be entered without specific protective clothing, period of time field must be vacated and appropriate actions to take in case of accidental exposure. 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 50-W on (insert date). Do not allow persons to enter treated areas within 4 days following application unless a long-sleeved shirt and long pants or a coverall that covers all parts of the body except the head, hands and feet and chemically resistant gloves are worn (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. Call a physician. If inhaled, remove victim to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. Get medical attention.

3

4

5

6

## 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 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, vegetables 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). 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. 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, applications can be made on the day of harvest.

Maximum permissible rate per acre, per application of CAPTAN 50-W is given in parentheses, ( ), 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 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 rot—Use 1½ 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. (16 pounds) Powdery mildew—Add 1½ to 3 pounds sulfur or ¼ to ½ pound Karathane® to all post bloom sprays until the foliage matures. Use ½ pound Karathane II 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, Staygreen, Baldwin, King, etc., as severe injury and defoliation may occur.

**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 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. (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. (16 pounds)

**APRICOTS:** Brown rot (twig blight), Jacket rot—Use 2 pounds. Apply in red bud, bloom, 75% petal fall, and cover stages. (10 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. Post harvest sprays—Apply 2 pounds immediately after harvest for leaf spot. Repeat application in 10 to 14 days. (20 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)

**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 ½ to 1 inch long. Repeat application when shoots are 4 to 8 inches long. (10 pounds)

3064

7

**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 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)

**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, apply in pink bud, full bloom, petal fall and cover periods as necessary and as 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 application at 7 to 14 day intervals under severe scab conditions. Russeting may be produced on Bosc Pears. Do not use on D'Anjou Pears. (16 pounds)

**PEARS (Western U.S.—except Pacific Northwest):** Pear scab—Use 2 pounds. Apply during early linger stage, petal fall and first cover sprays. Under severe scab infection conditions, additional treatments may be necessary. Russeting may be produced on Bosc Pears. Do not use on D'Anjou Pears. (16 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)

**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. Prune russet scab (Lacy scab) (In California)—Apply 2 pounds per 100 gallons water (pounds per acre). Apply at full bloom. (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)

8

### VEGETABLE CROPS

**CANTALOUPE, CUCUMBERS:** Angular leafspot, Anthracnose, Downy Mildew—Use 4 lbs. per acre in sufficient water for thorough coverage. Begin applications at first signs of infection and repeat at 5-7 day intervals or as needed to maintain control. (7.8 pounds)

**TOMATOES:** 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

**Post Harvest Dip:** For control of various molds and storage rots (Botrytis, Gloeosporium, Rhizopus)—Use as a post harvest dip or wash on the following fruits and vegetables: Apples, Cherries, Pears—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):** Crown 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.

9

**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.

### DEALERS SHOULD SELL IN ORIGINAL PACKAGES ONLY.

**Terms of Sale or Use:** On purchase of this product buyer and user agree to the following conditions:

**Warranty:** Platte Chemical makes no warranty, express or implied, concerning the use of this product other than indicated on the label. Except as so warranted, the product is sold as is. Buyer and user assume all risk of use and/or handling and/or storage of this material when such use and/or handling and/or storage is contrary to label instructions.

**Directions and Recommendations:** Follow directions carefully. Timing and method of application, weather and crop conditions, mixture with other chemicals not specifically recommended, and other influencing factors in the use of this product are beyond the control of the seller and are assumed by the buyer at his own risk.

**Use of Product:** Platte Chemical's recommendations for the use of this product are based upon tests believed to be reliable. The use of this product beyond the control of the manufacturer, no guarantee, express 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.

**Damages:** Buyer's or user's exclusive remedy for damages for breach of warranty or negligence shall be limited to direct damages not exceeding the purchase price paid and shall not include incidental or consequential damages.

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

FORMULATED FOR  
**PLATTE CHEMICAL COMPANY, INC.**  
150 SO. MAIN STREET      FREMONT, NEBRASKA 68025

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EXP-20



# CAPTAN 50-W

EPA REG. NO. 34704-427

ALL APPLICABLE RESTRICTIONS AND PRECAUTIONS ON THE EPA REGISTERED LABEL ARE TO BE FOLLOWED.

## DIRECTIONS FOR USE

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

**DICHONDRA (Callifonia 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.

**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 the season. Do not graze treated areas or feed clippings to livestock.

**GRASSES (Lawn Seedbeds):** Damping-off and other soil borne diseases—Use  $\frac{1}{4}$  to  $\frac{1}{2}$  pound per 1,000 square feet or 2 pounds in 100 gallons water using 15 gallons spray per 1,000 square feet. Cultivate into upper 3 to 4 inches before planting.

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