

SECURITY BRAND  
CAPTAN 50-WP  
AGRICULTURAL FUNGICIDE

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

ACTIVE INGREDIENTS:

Captan\* ----- 47.3%  
Related Derivatives ----- 2.7%

INERT INGREDIENTS: -----

EPA Reg. No. 769-540

EPA Est. 769-GA-1

\*N-[(trichloromethyl)thio]-4-cyclohexene-1,2-dicarboximide

JUL 17 1984  
Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
769-540  
TOTAL 100.0%

KEEP OUT OF REACH OF CHILDREN  
DANGER

STATEMENT OF PRACTICAL TREATMENT

IF IN EYES: Flush eyes immediately with plenty of water for at least 15 minutes. Call a physician. IF ON SKIN: Wash with soap and water. IF INHALED: Remove victim to fresh air.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER: Corrosive. Causes irreversible eye damage. Wear goggles, face shield or safety glasses when handling. Avoid inhalation of dust or spray mist. Avoid contact with skin. Avoid contamination of feed and foodstuffs.

ENVIRONMENTAL HAZARDS

This product is toxic to fish. Do not apply directly to water. Do not contaminate water by cleaning of equipment or disposal of waste. Apply this product only as specified on this label.

PHYSICAL OR CHEMICAL HAZARDS

Protect from excessive heat. Store in a cool, dry place.

DIRECTIONS FOR USE

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

NOTE: For concentrate sprayer applications, the same quantity (per acre) of SECURITY CAPTAN 50-WP as would be normally applied when spraying dilute mixture should be applied to each acre in sufficient water for coverage. When more than one dosage rate is given, use the higher rate when conditions are most favorable for disease development and use the lower rate when disease conditions are less favorable.

COMPATIBILITY: SECURITY CAPTAN 50-WP may be combined with most commonly used insecticides, adjuvants and fungicides with the exception of strongly alkaline materials such as hydrated lime which reduces the fungicidal activity. Do not use this product in combination with oil sprays or with solvent formulations of parathion products. Do not use this product on foliage closely following oil sprays.

ALMONDS: Brown rot, shot-hole, scab, leaf blight - 1 lbs. to 100 gallons spray. Apply at popcorn, bloom, petal-fall stage and up to 5 weeks after petal-fall. May be used up to 12 days of harvest if hulls are not fed to dairy animals or animals being finished for slaughter.

APPLES: Primary scab infection - 1-1 1/2 to 2 lbs. per 100 gallons spray. Applications should be made at 5-7 day intervals as needed to maintain cover on petal-fall, bloom, petal-fall and first cover spray. Secondary apple scab, fire blight spray, for spraying - 1 lb. to 100 gallons spray. Severe infection - 2 lbs. per 100 gallons spray. Applications should be made beginning with second cover spray and continuing up to start of harvest. Bitter rot, black rot, Botrytis rot, Black rot - 2 lbs. per 100 gallons spray. Bull's eye rot, Botrytis rot - 2 lbs. per 100 gallons spray. Make 1 or 2 applications with late cover sprays and 1 or 2 preharvest applications. SECURITY CAPTAN 50-WP should not be used in combination with or closely following or in alternation with sulfate sulfur products on sulfur-sensitive varieties of apple such as Red Delicious, Staygreen, Golden Delicious, etc. on severe foliage

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injury and defoliation may occur. Foliage injury may at times occur to Red Delicious, Winesap and other sensitive varieties of apples in early season sprays.

APRICOTS: Brown rot (twig blight), jacket rot - 2 lbs. per 100 gallons spray. Apply at red bud stage, bloom, and repeat at 75 percent petal-fall.

ASPARAGUS: Preplanting root dip - stimulation of shoot growth - 3 lbs. to 100 gallons spray. Dip root sections for 1 minute, drain and plant.

BEANS, PEAS: Damping-off on beans, root rot on beans and peas - Broadcast 10 to 12 lbs. per acre. Work into upper 3 or 4 inches of soil or apply 5 to 6 lbs. per acre in row at planting time.

CANTALOUPE, CUCUMBERS, SUMMER SQUASH, WINTER SQUASH, WATERMELONS, PUMPKINS: Anthracnose, downy mildew - 2 lbs. per 100 gallons spray or apply 4 lbs. per acre in sufficient water for coverage. Apply at first sign of disease. Repeat at 5 to 7 day intervals or as necessary to keep diseases under control.

CARROTS: Septoria leaf spot, cercospora blight - 2 lbs. per 100 gallons spray. Apply 4 lbs. per acre in water to cover. Apply at first sign of disease. Repeat at 6 - 10 day intervals.

CELERY: Late blight (septoria), pink rot (sclerotinia) - 2 lbs. per 100 gallons spray. Apply 200 diluted gallons per acre or equivalent of 4 to 4-1/2 lbs. per acre in water for coverage. Apply at first sign of disease. Repeat at 7 to 10 day intervals as necessary to maintain control.

CELERY SEEDBED TREATMENT: Damping-off, pink rot; PEPPERS: Damping-off - 2 lbs. per 100 gallons spray. Spray or drench at 10 to 15 gallons per 1000 square feet of seedbed. Apply when all seeds have germinated. Repeat as necessary.

CHERRIES: Cherry leaf spot (West only), brown rot, botrytis rot - 2 lbs. per 100 gallons spray. Spray at prebloom, bloom, petal-fall.

CITRUS (grapefruit, lemons, oranges, tangeloes, tangerines): Brown rot (phytoththora) - 2 to 4 lbs. to 100 gallons spray. Apply to skirts of trees before winter rains. Wet tree thoroughly to height of 2 to 4 feet. Repeat 10 to 14 weeks later. Citrus scale (orange, tangeloes) - 2 lbs. plus spruce sticker per 100 gallons spray. 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 ba-products to livestock.

DAMPING-OFF on cuttings of azaleas, carnations and chrysanthemums - Dip cutting in a suspension of 4 lbs. per 100 gallons spray before bedding.

GRAPES: Downy mildew, blackrot - 2 lbs. in 100 gallons spray. Make first application just before bloom, and repeat immediately after bloom. Depending upon the susceptibility of the grape variety, from 1 to 3 more sprays may be needed at 7 to 10 day intervals. Leaf roll disease (California) - 2 lbs. per 100 gallons spray, 4 to 6 lbs. per acre. First spray at bud break to 1 inch shoot length. Second spray 2 weeks later or at 4 to 6 inches in length, at 4 to 6 lbs. per acre. (Northeast) - 2 lbs. per 100 gallons spray. Make first application when new growth is 4 to 6 inches long. Repeat when growth is 6 to 10 inches long.

RHUBARB, SPINACH: Downy mildew - 2 lbs. per 100 gallons spray. Apply 100 to 200 gallons of spray per acre. Apply at first sign of disease. Repeat at 7 to 10 day intervals as necessary to maintain control.

RANGO: Cercospora spot or blotch - 2 lbs. per 100 gallons spray. Apply at first sign of disease. Repeat at regular intervals as necessary to maintain control.

**ORNAMENTALS:** Roses - black spot; Carnations - rust and leaf spot; Chrysanthemums - flower blight - 2 lbs. per 100 gallons spray. Apply at first sign of disease, cover upper and lower leaf surfaces thoroughly. Repeat every 7 to 10 days.

**PEACHES, NECTARINES:** Brown rot, scab, coryneum blight (shot-hole) - 2 to 4 lbs. per 100 gallons spray. Apply in pink bud, full bloom, petal-fall and shuck shed stages. Repeat cover sprays as necessary. Also make a fall foliage spray for coryneum blight. When applied on day of harvest, do not exceed 10 lbs. per acre; 12 lbs. per acre may be applied up to 1 day of harvest.

**PEARS:** Pear scab (except Pacific Northwest) - Primary infection - 2 lbs. per 100 gallons spray. Apply during early finger stage and petal-fall stage. Secondary infection - 1 lb. per 100 gallons spray during cover sprays. Severe scab infection - 2 lbs. per 100 gallons spray. Additional treatments may be necessary. Russeting may be produced on Bosc pears. Do not use on D'Anjou pears.

**PINEAPPLE:** Heart rot (*phytophthora parasitica*) - Dip Treatment - Dip slips in SECURITY CAPTAN 50-WP suspension of 1 lb. to 10 gallons spray immediately before planting (equivalent to approximately 20 lbs. per acre). Heart rot (*phytophthora parasitica*), heart rot-root rot (*phytophthora cinnamomi*) - Spray Treatment - If preferred, spray plants immediately after planting using 10 lbs. SECURITY CAPTAN 50-WP per acre in sufficient water to cover. Direct spray at plants. Repeat 2 weeks after planting. Whether dip or spray treatment is used initially, repeat above spray at intervals of weeks or months as needed.

**PRUNES, PLUMS:** Brown rot - 2 lbs. per 100 gallons spray. Apply at green tip or popcorn stage. Repeat at bloom and 75% petal-fall stages. Also repeat later in season as necessary. Prune russet scab (lacy scab in California) - 2 lbs. per 100 gallons spray (8 lbs. per acre). Apply at full bloom.

**RASPBERRIES:** Spur blight, anthracnose - 2 lbs. to 100 gallons spray. Apply when blossoms are in bud (young canes are 6 to 10 inches long). Make second application 2 weeks later. Apply a fall spray after old canes are removed. Thorough coverage is essential. Fruit rot - 2 lbs. to 100 gallons spray. Make 3 applications as follows. First - 3 to 5 days before harvest starts; second - at mid-harvest; third - 6 to 10 days after the second application.

**SOIL and GREENHOUSE BENCH TREATMENTS:** For planting for damping-off and root rot diseases on seedlings or transplants of roses (and other shrubs and trees), many flowers and vegetables (such as beans, peas and cucurbits) and lawn seedbeds - Apply as a dust at 4 to 5 oz. per 1000 square feet or spray at 2 lbs. to 100 gallons spray, using 15 gallons to each 1000 square feet. Cultivate into upper 2 or 4 inches of soil before planting.

**STRAWBERRIES:** Botrytis rot - 2 to 3 lbs. per 100 gallons spray, applying 200 diluted gallons per acre (or equivalent of 4 to 6 lbs. per acre in water for coverage). Apply when new growth starts in spring before fruit starts to form. Repeat application weekly. Severe infection - Continue through harvest period, treating immediately after each picking.

**TARO (Hawaii only):** Pythium soft rot - Apply 100 lbs. per acre in 500 gallons of water as a slurry to soil surface prior to planting. Till in to a depth of 6 inches or apply 100 lbs. SECURITY CAPTAN 50-WP 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 for food or feed. For use on wetland taro in Hawaii only.

**TOMATOES:** Early blight, late blight, gray leaf spot, anthracnose, septoria leaf spot - 2 lbs. per 100 gallons spray or apply 4 to 6 lbs. per acre in water to cover. Severe infection - 4 lbs. per 100 gallons spray or apply 6 to 8 lbs. per acre in water to cover. Apply at first sign of disease. Repeat at 5 to 7 day intervals or as necessary to keep disease under control.

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TURF, LAWN: Brown patch, leaf spot, damping-off, root rot - 2 lbs. per 100 gallons spray. Apply 10 gallons to each 1000 square feet or apply 8 lbs. per acre in water for coverage. Apply prior to infection. Repeat at 7 to 10 day intervals as necessary. Do not graze treated areas or feed clippings to livestock.

STORAGE AND DISPOSAL

STORAGE: Store pesticide in original container and place in a locked storage area. Opened pesticide containers should be securely resealed prior to storage. Protect from penetration of moisture, excessive heat or cold. Avoid cross-contamination with other pesticides or fertilizers. Use caution when storing pesticides in stacks.

PESTICIDE DISPOSAL: Do not contaminate water, food or feed by storage or 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 directions, 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.

NOTICE

DISCLAIMER OF WARRANTY  
MERCHANTABILITY AND LIABILITY

WOOLFOLK CHEMICAL WORKS, INC. warrants that the product conforms to the chemical description on its label and when used in accordance with the directions on the label and under normal conditions is reasonably fit for the purposes stated on the label. WOOLFOLK MAKES NO WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, EXPRESSED OR IMPLIED, EXCEPT AS STATED ABOVE. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as environmental conditions, conditions of application and other conditions relating to the use and handling of this product. All such risks are assumed by the purchaser. WOOLFOLK SHALL IN NO EVENT BE LIABLE FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

MANUFACTURERS

WOOLFOLK CHEMICAL WORKS, INC.

FORT VALLEY, GEORGIA

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<b>U.S. ENVIRONMENTAL PROTECTION AGENCY</b> OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (RPH 567) WASHINGTON, D.C. 20460	EPA REGISTRATION NO.	DATE OF ISSUANCE
	TERM OF ISSUANCE	JUL 17 1984
<b>NOTICE OF PESTICIDE:</b> <input checked="" type="checkbox"/> REGISTRATION <input type="checkbox"/> RENEWAL <i>(Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended)</i>	NAME OF PESTICIDE PRODUCT	
	NAME AND ADDRESS OF REGISTRANT (include ZIP code)	
<p> <input type="checkbox"/> ...  <input type="checkbox"/> ...  <input type="checkbox"/> ...         </p> <p style="text-align: right;"> <math>\frac{16}{18}</math>     <math>\frac{122739}{L}</math> </p>		
<p><b>NOTE:</b> Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.</p> <p>On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.</p> <p>A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.</p> <p>Registration is in no way to be construed as an endorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.</p>		
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<input type="checkbox"/> ATTACHMENT IS APPLICABLE		
SIGNATURE OF APPROVING OFFICIAL		DATE