

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS & DOMESTIC ANIMALS**

**DANGER**  
 Causes irreversible eye damage. May cause allergic skin reactions. Do not get in eyes, on skin or clothing. Wear goggles or face shield when handling. Avoid inhalation of dust or spray mist.

**STATEMENT OF PRACTICAL TREATMENT**  
 In case of eye contact, wash eyes immediately with fresh water for at least 15 minutes and see a doctor. If on skin, wash with plenty of soap and water.  
 Note to Physicians: Emergency Information - call (415) 233-3737.

**ENVIRONMENTAL HAZARDS**  
 This product is toxic to fish. Do not apply directly to water or wetlands.

**DIRECTIONS FOR USE**  
 It is a violation of Federal law to use this product in a manner inconsistent with its labeling.  
**READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS AND DIRECTIONS, AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.**

**REENTRY STATEMENT**

Keep all unprotected persons out of operating areas or vicinity where there may be danger of drift.  
 Do not enter treated areas without protective clothing until sprays have dried.  
 Certain states may require more restrictive reentry intervals; consult your State Department of Agriculture for further information.  
 Written or oral warnings regarding use of protective clothing and accidental exposure must be given to workers who are expected to be in treated areas or in areas about to be treated.

**STORAGE AND DISPOSAL**


**PROHIBITIONS**  
 Do not contaminate water, food or feed by storage, disposal or cleaning of equipment.  
 Open dumping is prohibited.

**STORAGE**  
 Keep pesticide in original container. Do not put concentrate or dilute into food or drink containers. Do not store or transport near feed or food.  
 For help with any spill, leak, fire or exposure involving this material, call day or night (415) 233 3737.

**CONTAINER DISPOSAL**  
 Completely empty bag into application equipment. Do not reuse container. 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.

**PESTICIDE DISPOSAL**  
 This product is 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.

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# ORTHO

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## ORTHO-CIDE®

### 50 Wettable

#### (50% CAPTAN)

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### (FUNGICIDE)

Active Ingredients	By Wt.
*Captan	47.3%
Related Derivatives	2.7%
Inert Ingredients	50.0%
*N-[(trichloromethyl)thio]-4-cyclohexene-1,2-dicarboximide	

KEEP OUT OF REACH OF CHILDREN

**DANGER - PELIGRO**

SEE SIDE PANEL FOR ADDITIONAL  
PRECAUTIONARY STATEMENTS

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

NET WEIGHT 50 POUNDS

**Chevron Chemical Company** © 1984  
 Ortho Agricultural Chemicals Division  
 San Francisco CA 94120 7144      Richmond CA 94804 0035  
 Product 1760      Made in U.S.A.  
 R Form 8685-N  
 EPA Reg. No. 239-533-AA

## DIRECTIONS

**NOTE:** For concentrate sprayer applications, the same quantity (per acre) of ORTHOCIDE 50 Wettable as would be normally applied when spraying dilute mixture, should be applied to each acre in sufficient water for coverage.

**ALMONDS:** Brown Rot, Shot Hole, Scab, Leaf Blight—2 lbs. to 100 gals. spray. Apply at popcorn, bloom, petal fall stages and up to 5 weeks after petal fall. May be used up to 2 days of harvest if hulls are not fed to dairy animals or animals being finished for slaughter.

**APPLES:** Primary Scab Infection—1½ to 2 lbs. per 100 gals. spray. Secondary Apple Scab, Brooks Fruit Spot, Physpecking—1 lb. per 100 gals. spray. Severe Infection—2 lbs. per 100 gals. spray. Bitter Rot, Black Rot, Botryosphaeria, Black Pox—2 lbs. per 100 gals. spray. Bull's Eye Rot, Botrytis Rot—2 lbs. per 100 gals. spray. Make 1 or 2 applications with late cover sprays and 1 or 2 preharvest applications. ORTHOCIDE 50 Wettable should not be used 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 foliage 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 gals. spray. Apply at red bud stage, bloom, and repeat at 75 per cent petal fall.

**ASPARAGUS:** Preplanting Root Dip—Stimulation of shoot growth—3 lbs. to 100 gals. spray. Dip root sections for 1 minute, drain and plant.

**BEANS, PEAS:** Damp 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. Do not graze or feed treated bean forage or its hay to livestock.

**CANTALOUPE, CUCUMBERS, SUMMER SQUASH, WINTER SQUASH, WATERMELONS, PUMPKINS:** Anthracnose, Downy Mildew—2 lbs. per 100 gals. 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 gals. spray. Apply 4 lbs. per acre in water to cover. Apply at first sign of disease. Repeat at 6 to 10 day intervals.

**CELERY:** Late Blight (Septoria), Pink Rot (Sclerotinia)—2 lbs. per 100 gals. spray. Apply 200 diluted gals. per acre or equivalent of 4 to 4½ lbs. per acre in water for coverage. Apply at first signs of diseases. Repeat at 7 to 10 day intervals as necessary to maintain control.

**CELERY SEEDBED TREATMENT:** Damp Off, Pink Rot; **PEPPERS:** Damp Off—2 lbs. per 100 gals. spray. Spray or drench at 10 to 15 gals. per 1000 sq. ft. of seed bed. Apply when all seeds have germinated. Repeat as necessary.

**CHERRIES:** Cherry Leaf Spot (West Only), Brown Rot, Botrytis Rot—2 lbs. per 100 gals. spray. Spray at prebloom, bloom, petal fall.

**DAMP OFF on Cuttings of Azaleas, Carnations and Chrysanthemums—**Pre-cuttings in a suspension of 4 lbs. per 100 gals. spray before bedding.

**GRAPES:** Downy Mildew, Blackrot—2 lbs. in 100 gals. 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. For late season control on foliage, use an EPA labeled copper fungicide. **Dead Arm Disease (California)**—2 lbs. per 100 gals. spray, 3 to 6 lbs. per acre. First spray at bud break to 1 inch shoot length. Second spray 2 weeks later or shoots 4 to 8 inches in length, at 4 to 6 lbs. per acre. (Northeast)—2 lbs. per 100 gals. spray. Make first application when new growth is 4 to 6 inches long, repeat when growth is 8 to 10 inches long.

**LEMONS, LIMES, ORANGES, GRAPEFRUIT:** Brown Rot (Phytophthora)—2 to 4 lbs. to 100 gals. spray. Apply as a skirt spray prior to winter rains, thoroughly wetting tree to heights of 3 to 4 feet. Re-treat 10 weeks after first application.

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

**MANGO:** Cercospora Spot or Blotch—2 lbs. per 100 gals. spray. Apply at first sign of diseases. Repeat at regular intervals as necessary to maintain control.

**ORANGES, TANGELOS:** Scab, Melanose, Tree Response such as Increased Fruit Set—Apply 10 lbs. in combination with 2½ pts. of CHEVRON Spray Sticker per 500 gals. in the postbloom spray from ½ petal fall until the fruit reaches approximately ½ inch in diameter. Note: Apply DIFOLATAN 80 SPRILLS fungicide in dormant spray as the primary scab spray. For fresh fruit melanose control, apply an EPA labeled copper fungicide as a second postbloom spray 5 to 6 weeks after petal fall. For maximum tree response and scab control, apply ORTHOCIDE 50 Wettable as near Petal Fall as possible. Do not feed treated raw citrus by-products to livestock.

**ORNAMENTALS: ROSES—**Black Spot, **CARNATIONS—**Rust and Leaf Spot, **CHRYSANTHEMUMS—**Flower Blight—2 lbs. per 100 gals. spray. Apply at first signs of diseases, 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 gals. 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 gals. spray. Apply during early finger stage and Petal Fall stage. **SECONDARY INFECTION**—1 lb. per 100 gals. spray during cover sprays. **Severe Scab Infection**—2 lbs. per 100 gals. 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 ORTHOCIDE 50 Wettable suspension of 1 lb. to 10 gals. 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. ORTHOCIDE 50 Wettable 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 gals. 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 (Locy Scab in California)—2 lbs. per 100 gals. spray (8 lbs. per acre). Apply at full bloom.

**RASPBERRIES:** Spur Blight, Anthracnose—2 lbs. to 100 gals. spray. Apply when blossoms are in bud (young canes are 8 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 gals. spray. Make 3 applications as follows. First—3 to 5 days before harvest starts; Second—At mid-harvest; Third—8 to 10 days after the second application.

**SOIL AND GREENHOUSE BENCH TREATMENT:** Preplanting for Damp 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 sq. ft. or spray at 2 lbs. to 1000 sq. ft. Cultivate into upper

**STRAWBERRIES:** Botrytis Rot—2 to 200 diluted gals. per acre (or equivalent for coverage). Apply when new growth is to form. Repeat applications weekly during harvest period, treating immediately

**TARO (Hawaii only):** Pythium Spots—2 lbs. per 100 gals. of water as a slurry to soil to a depth of 6 inches "or" apply 10 lbs. of fertilizer as a homogeneous dry mixture to taro is planted and the field is flooded. Do not use if leaves are to be used for taro in Hawaii only

**TOMATOES:** Early Blight, Late Blight, Septoria Leaf Spot—2 lbs. per 100 gals. in water to cover. Severe Infection—2 to 8 lbs. per acre in water to cover. Repeat at 5 to 7 day intervals or as necessary

**TURF, LAWN:** Brown Patch, Leaf Spot—2 lbs. per 100 gals. spray. Apply 10 gals. to 1000 sq. ft. per acre in water for coverage. Apply at 7 to 10 day intervals as necessary. Do not use on livestock.

Do not apply under conditions in which other plantings that might be damaged are unfit for sale, use or consumption.

**COMPATIBILITY:** ORTHOCIDE 50 is compatible with commonly used insecticides, adjuvants, and strongly alkaline materials such as lime. Do not use this material in combination with fungicidal activity. Do not use this material or with solvent formulations of pesticides on foliage closely following

ACCEPTED

JAN 30 1985

Under the Federal Insecticide, Fungicide, and Rodenticide Act, this material is registered under EPA Reg. No. 239-55

**CONDITIONS OF SALE:** 1. Chevron warrants that this material conforms to the label and is reasonably fit for use as directed. Chevron authorizes any agent or representative to sell, lease, or otherwise dispose of this material. 2. Critical and unforeseeable factors may result from eliminating all risks in connection with the use of this material. Risks include, but are not limited to, the possibility which the material is applied, the possibility that the product is reasonably fit for use as directed, the possibility that the product is reasonably fit for use as directed, the possibility that the product is reasonably fit for use as directed. Buy at your own risk and liability (except those arising from handling, storage, or