

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS & DOMESTIC ANIMALS  
DANGER**

Causes irreversible eye damage. May cause allergic skin reactions. Harmful if swallowed or inhaled. Do not get in eyes. Wear goggles or face shield when handling. Avoid contact with skin and clothing. Avoid breathing of dust or vapor. Wash hands after use. Remove and launder clothing before reuse.

**STATEMENT OF PRACTICAL TREATMENT**

In case of eye contact, immediately flush eyes with fresh water for 15 minutes and see a doctor. If swallowed, give a large amount of water to drink, make person vomit, and call a doctor. For skin contact, wash with plenty of soap and water. See a doctor if irritation occurs or rash develops. **Note to Physicians: Emergency Information - call (415) 233-3737.**

**ENVIRONMENTAL HAZARDS**

This product is toxic to fish. Do not apply directly to water. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from areas treated.

**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 dusts have settled.

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.

Store in cool, dry place.

Protect from excessive heat.

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.

**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.

**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.

**DIRECTIONS**

This product is formulated for application by ground or air equipment.



**ORTHO**

**ORTHO-CIDE®  
Sulfur 10-50  
Dust**

**(FUNGICIDE-MITICIDE)**

Active Ingredients	By Wt.
*Captan .....	9.5%
Related Derivatives .....	0.5%
Sulfur .....	50.0%
Inert Ingredients .....	40.0%
*N-[(trichloromethyl)thio]-4-cyclohexene-1,2-dicarboximide.	

ACCEPTED COMMENTS  
 EPA Letter Dated  
 MAY 11 1984  
 Under the Federal Insecticide,  
 Fungicide, and Rodenticide Act  
 as amended, for the pesticide  
 registered under EPA Reg. No.

239-1470

**KEEP OUT OF REACH OF CHILDREN  
DANGER-PELIGRO  
FOR AGRICULTURAL USE ONLY. DO NOT  
STORE IN AREAS ACCESSIBLE TO  
CHILDREN.  
PRECAUCION AL USUARIO: Si usted no lee  
ingles, no use este producto hasta que la etiqueta  
le haya sido explicada ampliamente.  
SEE SIDE PANEL FOR ADDITIONAL  
PRECAUTIONARY STATEMENTS.**

**Chevron Chemical Company © 1984**  
 Ortho Agricultural Chemicals Division  
 San Francisco CA 94120-7144 Richmond CA 94804-0036  
 Product 2130 Made in U.S.A.  
 Form 4294-12 EPA Est. 239-CA-9  
 EPA Reg. No. 239-1470-AA

**NET WEIGHT 50 POUNDS**

Some fruits and other plants are susceptible under certain climatic conditions. The use of sulfur on any crop unless local use does not damage crops in that locality.

**CELERY:** Pink Rot, Damp-Off: (Field)—20 Bed)—35 to 40 lbs. per acre. Apply when needed. Repeat as necessary.

**GRAPES:** Botrytis Rot (Bunch Rot), Powdery Mildew—40 to 50 lbs. per acre. Make preharvest application just after bloom and 1 application just after bloom making up to 3 cover applications before harvest application where necessary.

**PEACHES:** Brown Rot, Storage Rot, Powdery Mildew, Peach Scab—50 lbs. per acre. Make preharvest application where necessary.

**PLUMS:** Brown Rot, Storage Rot, Powdery Mildew—45 lbs. per acre. Make 2 to 3 applications. Repeat at petal fall and 3 to 4 covers as needed.

**POTATOES:** Early and Late Blight—Begin application when plants are 2 to 4 inches high and repeat at intervals as long as disease threatens. Apply 25 to 35 lbs. per acre. Repeat at regular intervals.

**ROSES (Field):** Rust, Powdery Mildew—35 lbs. per acre. Apply to give even coverage of upper and lower surfaces at first sign of disease. Repeat at regular intervals to maintain control.

**SOIL TREATMENT:** Preplanting for Pink Rot in Vegetable Field Crops—33 lbs. per acre. Disk into first few inches of soil surface.

**SPINACH (Seedling only):** Downy Mildew—35 to 40 lbs. per acre. Apply when plants are 2 to 4 inches high and repeat at 7 to 10 day intervals as needed.

**SQUASH (California Only):** Powdery Mildew, Angular Leaf Spot, Anthracnose—Apply 35 lbs. per acre on young plants increasing to 35 lbs. per acre on mature plants. Apply at first sign of disease. Repeat at 7 to 10 day intervals as necessary for control. Because of the danger of infection is past. Do not apply until danger of infection is past. Do not apply to susceptible to sulfur injury.

**STRAWBERRIES:** Botrytis Rot, Powdery Mildew—Apply immediately after picking. Repeat application as necessary.

**TOMATOES (Established Plants):** Early Blight, Late Blight, Anthracnose, Russet Mite—On young plants, apply 35 lbs. per acre, increasing to 35 to 40 lbs. per acre on mature plants. Apply at first sign of insects and diseases and repeat at 7 to 10 day intervals as necessary for control. Because of the danger of infection is past. Do not apply until danger of infection is past. Do not apply to susceptible to sulfur injury.

**Do not apply under conditions involving preharvest application or other plantings that might be affected by sulfur injury.**

**COMPATIBILITY:** Do not use this product in conjunction with following oil sprays.

**CONDITIONS OF SALE:** 1. Chevron Chemical Company warrants that this material conforms with the description on the label and is reasonably fit for the uses stated hereon. Chevron neither makes, nor authorizes any representative to make, any other warranty, express or implied, concerning this material. 2. Critical and unforeseeable factors beyond our control may prevent it from eliminating all risks in the use of chemicals. Such risks include, but are not limited to, risks to plants and crops to which the material is applied, complete control, and damage caused by the material on crops. Such risks occur even though the material is applied in accordance with the uses stated hereon and the directions are followed. Buyer and user acknowledge and assume all risks and liability (except those assumed by us in 1 above) resulting from handling, storage, or use of this material.

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# ORTHO

## ORTHO-CIDE® Sulfur 10-50 Dust

(FUNGICIDE-MITICIDE)

Active Ingredients	By Wt.
*Captan .....	9.5%
Related Derivatives .....	0.5%
Sulfur .....	50.0%
Inert Ingredients .....	40.0%
*N-[(trichloromethyl)thio]-4-cyclohexene-1,2-dicarboximide.	

ACCEPTED  
COMMENTS  
EPA Letter Date  
MAY 11 1984  
Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
239-1470

**KEEP OUT OF REACH OF CHILDREN  
DANGER-PELIGRO**  
FOR AGRICULTURAL USE ONLY. DO NOT  
STORE IN AREAS ACCESSIBLE TO  
CHILDREN.

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

**SEE SIDE PANEL FOR ADDITIONAL  
PRECAUTIONARY STATEMENTS.**

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Ortho Agricultural Chemicals Division  
San Francisco CA 94120-7144 Richmond CA 94804-0036  
Product 2130 Made in U.S.A.  
Form 4294-12 EPA Est. 239-CA-9  
EPA Reg. No. 239-1470-AA

### NET WEIGHT 50 POUNDS

Some fruits and other plants are susceptible to injury from sulfur under certain climatic conditions. The user is advised not to use sulfur on any crop unless local use has proved that sulfur does not damage crops in that locality.

**CELERY:** Pink Rot, Damp-Off: (Field)—20 lbs per acre. (Seed Bed)—35 to 40 lbs. per acre. Apply when all seeds have germinated. Repeat as necessary.

**GRAPES:** Botrytis Rot (Bunch Rot), Powdery Mildew, Silver Mite, Storage Rots—40 to 50 lbs. per acre. Make 2 applications before bloom and 1 application just after bloom. Repeat periodically making up to 3 cover applications before bunches close.

**PEACHES:** Brown Rot, Storage Rots, Powdery Mildew, Silver Mite, Peach Scab—50 lbs. per acre. Make 2 to 3 prebloom applications. Repeat as petal fall and 3 to 4 covers as necessary. Make preharvest application where necessary.

**PLUMS:** Brown Rot, Storage Rots, Powdery Mildew, Silver Mite—45 lbs. per acre. Make 2 to 3 prebloom applications. Repeat at petal fall and 3 to 4 covers as necessary. Make preharvest application where necessary.

**POTATOES:** Early and Late Blight—Begin applications when plants are 2 to 4 inches high and repeat at 7 to 10 day intervals as long as disease threatens. Apply 25 to 30 lbs per acre.

**ROSES (Field):** Rust, Powdery Mildew—35 to 40 lbs. per acre. Apply to give even coverage of upper and lower leaf surfaces at first sign of disease. Repeat at regular intervals as necessary to maintain control.

**SOIL TREATMENT:** Preplanting for Pink Rot, Damp-Off on Vegetable Field Crops—33 lbs. per acre. Dust or broadcast, then disk into first few inches of soil surface.

**SPINACH (Seedling only):** Downy Mildew, Powdery Mildew—35 to 40 lbs. per acre. Apply when all seeds have germinated. Repeat at 7 to 10 day intervals as long as diseases are active.

**SQUASH (California Only):** Powdery Mildew, Downy Mildew, Angular Leaf Spot, Anthracnose—Apply 30 lbs. per acre on young plants increasing to 35 lbs. per acre on mature plants. Apply at first sign of disease. Repeat at 5 to 10 day intervals until danger of infection is past. Do not apply to squash varieties susceptible to sulfur injury.

**STRAWBERRIES:** Botrytis Rot, Powdery Mildew—30 lbs. per acre immediately after picking. Repeat applications after picking as necessary.

**TOMATOES (Established Plants):** Early Blight, Late Blight, Anthracnose, Russet Mite—On young plants, apply 25 to 30 lbs. per acre, increasing to 35 to 40 lbs. per acre on mature plants. Apply at first sign of insects and diseases. Repeat at 5 to 7 day intervals as necessary for control. Because of the sulfur content of this dust, first obtain permission from your canner or processor before using it on tomatoes intended for sale to such canner or processor.

Do not apply under conditions involving possible drift to food, forage or other plantings that might be damaged or the crops thereof rendered unfit for sale, use or consumption.

**COMPATIBILITY:** Do not use this product on foliage closely following oil sprays.

**CONDITIONS OF SALE:** 1. Chevron Chemical Company (Chevron) warrants that this material conforms to the chemical description on the label and is reasonably fit for use as directed hereon. Chevron neither makes, nor authorizes any agent or representative to make, any other warranty of FITNESS or MERCHANTABILITY, guarantee or representation, express or implied, concerning this material.

2. Critical and unforeseeable factors beyond Chevron's control prevent it from eliminating all risks in connection with the use of chemicals. Such risks include, but are not limited to, damage to plants and crops to which the material is applied, lack of complete control, and damage caused by drift to other plants or crops. Such risks occur even though the product is reasonably fit for the uses stated hereon and even though label directions are followed. Buyer and user acknowledge and assume all risks and liability (except those assumed by Chevron under 1 above) resulting from handling, storage, and use of this material.

MAY 11 1984

Chevron Chemical Company  
Ortho Agricultural Chemicals Division  
940 Hensley Street  
Richmond, CA 94804-0036

Attention: D. F. Dye

Gentlemen:

Subject: Orthocide Sulfur 10-50 Dust  
EPA Registration No. 239-1470  
Label Amendment Dated March 22, 1984

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, is acceptable subject to the comments listed below. Five copies of the finished labeling must be submitted at the next printing.

Under the Environmental Hazards heading, add "on wetlands" to "Do not apply directly to water."

Based on the January 1, 1983, standard for pesticide products that claim sulfur as an active ingredient, you have the following options in regard to risk of hazard from reentering areas where crop plants have been treated with pesticide products that contain sulfur as a claimed active ingredient:

Propose labeling under Directions of Use, immediately following the violation statement, for acceptable reentry interval based on one of the following criteria:

- a. Propose a label restriction that reads as follows: "Do not reenter treated crop area prior to 24 hours after application." \*
- b. Propose shorter or no reentry restriction based on dissipation of foliar residues (decline curves), worker exposure and toxicology data. The data must be submitted in support of the proposed reentry interval, whatever it may be.

CONCURRENCES							
SYMBOL ▶							
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239-1470

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\*This interval is based on recorded case histories of worker injury associated with reentry of sulfur-treated crop areas in California. Statistics are found in the Sulfur Standard mentioned above.

A stamped copy of the label is enclosed for your records.

Sincerely yours,



Henry M. Jacoby  
Product Manager (21)  
Fungicide-Herbicide Branch  
Registration Division (TS-767)

Enclosure

DCR-03272:Jacobey:Raven:557-2226:tar:RD-06A:4/24/84:Del.5/6/84