

US ENVIRONMENTAL PROTECTION AGENCY  
OFFICE OF PESTICIDES PROGRAMS  
REGISTRATION DIVISION (75-767)  
WASHINGTON, DC 20460

EPA REGISTRATION NO.

17545-7

DATE OF ISSUANCE

AUG 3 1989

TERM OF ISSUANCE

Conditional

NAME OF PESTICIDE PRODUCT

2,4-D-COPPER SULFATE

NOTICE OF PESTICIDE:  REGISTRATION  
 REREГИSTRATION

Under the Federal Insecticide, Fungicide  
and Rodenticide Act (as amended)

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

[ ] [ ]

NOTE: 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.

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.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an indorsement 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.

This pesticide is conditionally registered in accordance with FIFRA section 6(c).

The data required for registration/reregistration of your product under FIFRA section 6(c) when the Agency requires such data.

Refer to EPA Registration No. 17545-7 to your label before shipping the product for shipment.

Submit five (5) copies of your final printed labeling before you ship the product for shipment. Refer to the A-79 enclosure for a further description of final printed labeling.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(c). Your release of the product for shipment constitutes acceptance of these conditions.

A statement of the label is enclosed for your records.

LARRY SCHNAUBELT  
~~Robert J. Taylor~~  
Product Manager (23)  
Fungicide-Herbicide Branch  
Registration Division (H7505C)

**BEST AVAILABLE COPY**

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL

Jarvis J. Miller for Larry Schnaubelt

DATE

8-3-89

EPA Form 6578-6 (Rev. 5-76)

PREVIOUS EDITION MAY BE USED UNTIL SUPPLY IS EXHAUSTED.

56297; I: CR-30; Yowell; LT-1; KENCO; 6/8/89; 6/20/89; rw; vo; ek; dg

## DIRECTIONS FOR USE

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

**CHEMIGATION:** Do not apply this product through any type of irrigation system.

**RE-ENTRY STATEMENT:** 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 unprotected persons. Do not enter treated areas without protective clothing until sprays have dried. Certain states may require more restrictive re-entry 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. 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: "CAUTION: Area treated with ZINC-COPPER SPRAY 25%-25% on (date of application). Do not enter without appropriate protective clothing until sprays have dried."

### DIRECTIONS FOR DILUTION.

**Dilute Applications:** Apply the recommended dose for deciduous tree crops in 300-600 gallons per acre and for citrus crops in 800-1,000 gallons per acre.

**Concentrate Applications:** Apply the recommended rate in 50-150 gallons per acre.

**Aerial Applications:** Apply the recommended dose in a minimum 20 gallons per acre.

**Note:** MAINTAIN ADEQUATE AGITATION AT ALL TIMES.

**ALMONDS:** For control of Brown Rot Blossom Blight and Coryneum Blight (Shothole), apply ZINC-COPPER SPRAY 25%-25% in dormant and/or delayed-dormant bud sprays through popcorn stage. Use 32-40 lbs. product/A in dilute and aerial applications, and 18-24 lbs product/A in concentrate sprays. Apply the higher rate in dormant sprays through bud swelling and the lower rate at popcorn stage.

**APPLES:** For control of Fire Blight, use 4-5 lbs product/A in dilute and aerial applications. Apply 4 lbs product/A in concentrate sprays. Begin applications at 10% bloom and repeat at 5-7 day intervals through late bloom. For control of Anthracnose (except in California), apply 12-16 lbs. product/A to foliage after harvest annually for red varieties and once every 2 to 3 years for yellow varieties.

**APRICOTS:** For control of Brown Rot and Coryneum Blight (Shothole), apply 32-40 lbs. product/A in dilute and aerial sprays, and 20-24 lbs. product/A in concentrate applications. Apply the higher rate in dormant sprays through bud swelling and the lower rate at popcorn stage.

**CITRUS:** For control of Brown Rot and Septoria Leaf and Fruit Spot (California only), use 16-20 lbs ZINC-COPPER SPRAY 25%-25%/A at first indications of fall rains or disease appearance. Repeat as needed during wet weather.

**PEACHES, NECTARINES:** For control of Brown Rot Blossom Blight, Peach Blight (Coryneum) and/or Leaf Curl, apply 32-40 lbs. product/A in dilute and aerial applications. Use 24-32 lbs. product/A in concentrate sprays. Apply as a dormant spray before fall rains, before bud swell, and again at full pink bud. Note: To control Leaf Curl, application must be made before the foliage buds swell.

**WALNUTS:** For control of Walnut Blight, apply 32-40 lbs. product/A at early prebloom and again at 10-20% pistillate bloom. Use 3-5 additional sprays during the growing season, if needed.

### ZINC & COPPER DEFICIENCY CORRECTION:

Consult your State Extension Service for recommendations specific to local conditions.

**Dormant Sprays for ALMONDS, APPLES, APRICOTS, PEACHES, NECTARINES, WALNUTS:** Apply 16-24 lbs. product/A in dormant and/or delayed-dormant sprays until just before buds begin to open. May be tank mixed with dormant spray oils.

**Foliar Sprays for CITRUS:** Apply 12-16 lbs. product/A as needed to 2/3 - 3/4 expanded foliage at each major growth flush.

**Postharvest Foliar Sprays for ALMONDS, APPLES, PEACHES, NECTARINES, WALNUTS:** Apply 12-16 lbs. product/A after harvest but before fall leaf drop begins.

**CAUTION:** Certain varieties of almonds, peaches and nectarines may be sensitive to foliar applications of ZINC-COPPER SPRAY 25%-25%. Test application to part of several trees is suggested to assess potential undesirable effects under specific use conditions.

# ZINC-COPPER SPRAY 25%-25%

Fungicide

For control of certain diseases and nutrient deficiencies  
of citrus and various deciduous fruit and nut crops.

<b>ACTIVE INGREDIENTS</b>	
Basic Copper Sulfate	50.0%
(Metallic copper equivalent 25.0%)	
<b>INERT INGREDIENTS</b>	
	50.0%
<b>TOTAL</b>	<b>100.0%</b>

<b>GUARANTEED ANALYSIS.</b>	
Copper (Cu)	25.0%
Zinc (Zn)	25.0%
Copper derived from basic copper sulfate; zinc from zinc oxysulfate	

EPA Reg. No. 17545-

EPA Est. No. 11474-CA-01

## KEEP OUT OF REACH OF CHILDREN CAUTION

### PRECAUTIONARY STATEMENTS Hazards to Humans and Domestic Animals

**Caution:** May cause temporary eye irritation. Harmful if absorbed through the skin or inhaled. May cause skin sensitization reactions in certain individuals. Avoid contact with the eyes, skin, or clothing. Avoid breathing dust or mist. Protective clothing, including goggles, should be worn. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

### STATEMENT OF PRACTICAL TREATMENT

**If swallowed:** Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.  
**If in eyes:** Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation persists.  
**If spilled on skin:** Remove contaminated clothes and shoes and immediately wash skin with soap and plenty of water. Get medical attention if irritation persists.

### ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and aquatic organisms. Do not apply directly to water. Drift and runoff from treated areas may be hazardous to fish and aquatic organisms in adjacent aquatic sites. Do not contaminate water when disposing of equipment washwaters.

### STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.  
**Storage:** Keep in original container. Do not reuse empty container. Store in cool, dry place. Protect from excessive heat. For help with spill, leak, fire or exposure involving this material, call night or day 800-424-9300.  
**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.

### WARRANTY - CONDITIONS OF SALE

DIRECTIONS FOR USE of this product are based on field use and tests believed reliable and should be followed carefully. It is, however, impossible to eliminate all risks associated with use of this product. Because such factors as weather conditions, foreign material and manner of use for application are all beyond the control of Monterey Chemical Company of the Seller of this product, such things as crop injury, ineffectiveness or other unintended consequences may result. ALL SUCH RISKS ARE ASSUMED BY THE BUYER.

Monterey Chemical Company warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the directions for use as modified by the above. Monterey Chemical Company makes no other warranties, express or implied, including FITNESS or MERCHANTABILITY. In no case shall Monterey Chemical Company or the Seller be liable for consequential, special or indirect damages resulting from the use or handling of this product. The foregoing is a condition of sale by Monterey Chemical Company and is accepted as such by the Buyer.

### NET WEIGHT:

This product is manufactured by:  
Monterey Chemical Company  
P. O. Box 5317  
Fresno, California 93755

Aug. 3, 1989

Under  
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regate.co

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