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JUN 22 1984

FMC Corporation  
Agricultural Chemical Group  
2000 Market Street  
Philadelphia, PA 19103

Gentlemen:

Subject: C-O-C-S Wettable  
EPA Registration No. 279-614  
Your Letter Dated March 26, 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.

1. Insert "Reentry Statement" heading before information pertinent to reentry.
2. Amend the reentry statements by completely incorporating the "General Worker Protection Statements" specified by PR Notice 83-2.

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

RD:DIS:DCR-03277:Jacobys:Raven:557-2226:bje:RD-53:5/2/84:Del.5/19/84

CONCURRENCES

SYMBOL ▶	SURNAME ▶	DATE ▶						

BEST DOCUMENT AVAILABLE

Code 30186

2063  
Pounds  
Net Weight

# C-O-C-S® Wettable

## Fungicide

EPA Reg. No. 279-614AA

EPA Est., 279-

### Active Ingredient:

\*Copper expressed as metallic ..... 50.0%

Inert Ingredients: ..... 50.0%

100.0%

\*The copper is in the form of Basic Sulphates and Chlorides.

## KEEP OUT OF REACH OF CHILDREN CAUTION

### FIRST AID

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, or if available, by administering syrup or ipecac. Do not induce vomiting or give anything by mouth to an unconscious person.

If **in eyes**: Flush with plenty of water. Get medical attention if irritation persists.

If **on skin**: Wash with plenty of soap and water. Get medical attention if irritation persists.

For Emergency Assistance Call 716-735-3765.

## PRECAUTIONARY STATEMENTS

### Hazards to Humans (& Domestic Animals)

#### Caution

Harmful if swallowed. Wash thoroughly with soap and water after handling.

### Environmental Hazards

This product is toxic to fish. Do not apply directly to lakes, streams, ponds or wetlands. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift.

with COMMENTS  
in EPA Letter Dated:

BEST DOCUMENT AVAILABLE JUN 22 1984

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No.

279-614

# FMC

FMC Corporation  
Agricultural Chemical Group  
2000 Market Street  
Philadelphia Pennsylvania 19103

(3/26/84-A)  
(4/84)

APR 18 1984

## 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 unprotected persons.

Do not enter treated areas without protective clothing until sprays have dried.

Protective clothing means, at least, a hat or other suitable head covering, a long sleeved shirt and long legged trousers or a coverall type garment (all of closely woven fabric covering the body, including the arms and legs), shoes and socks.

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 worker. 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 C-O-C-S® Wettable on (insert date). Do not enter without appropriate protective clothing until sprays have dried (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. If inhaled, go to an area where the pesticide has not been applied. Get medical attention if needed.

## 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. Cor'line spills. Call FMC collect: (716) 735-3765.

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

Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

### 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.

Do not treat areas while unprotected humans or domestic animals are present in the treatment area.

Do not allow entry into treated areas without protective clothing until sprays have dried.

Consult State regulatory officials to determine State reentry restrictions which apply when more restrictive than those stated on this label.

C-O-C-S Wettable is a dry Copper material designed to be used as a spray either alone or in combination with a spreader or sticker. Do not use in undiluted form.

**Mixing instructions:** Fill the spray tank one-fourth to one-third full with clean water. Start agitation (proper agitation creates a rippling or rolling action on the liquid surface). Add C-O-C-S Wettable at the recommended rate. Mix thoroughly. Add water to fill spray tank. Maintain sufficient agitation during mixing and spraying operations to ensure a uniform spray mixture. Thorough coverage is required. Apply when the disease is reported in the area. Repeat at 7 to 10 day intervals or as required to maintain effective control.

For disease control on the following crops, apply the rates of C-O-C-S Wettable indicated in 25 to 100 gallons of water per acre and apply at 7 to 10 day intervals to protect new growth throughout the growing season. Use the high rate under heavy disease pressure or as weather conditions warrant.

**Beans:** Downy Mildew, Pod Spot—1-3 pounds.

**Carrots:** Bacterial Blight (*Xanthomas carotae*) Cercospora Leafspot (*Cercospora carotae*), Leaf Spot—2-4 pounds.

**Celery:** Early Blight (*Cercospora*), Late Blight (*Septoria*)—2-4 pounds.

**Cucumber, Melons, Squash:** Angular Leaf Spot, Anthracnose, Downy Mildew, Powdery Mildew (*Erysiphe cichoracearum*) Alternaria Leafspot (*Alternaria* sp) Cercospora Leafspot (*Cercospora* sp), Scab and as an aid in the control of Bacterial Wilt—2-4 pounds.

**Eggplant, Peppers:** Late Blight (*Phytophthora*)—2-4 pounds.

**Hops:** Downy Mildew—Apply in early spring as a crown treatment—2-4 pounds.

**Lettuce:** Downy Mildew—1-3 pounds.

**Potato:** Early and Late Blight—1.5-4 pounds.

**Sugarbeets:** Leaf Spot—2-4 pounds.

**Tomatoes:** Early and Late Blight (*Septoria* Leaf Spot)—use 2-4 pounds if Late Blight infection is severe, increase dosage up to 7 pounds on large plants. For Bacterial Spot, use 2-6 pounds per acre every 5-7 days after leaves appear. Use high rate under heavy disease pressure.

**Ornamentals:** Amounts listed are rates per 100 gallons water.

**Azalea**—Bud Blight & Twig Blight use 4 pounds.

**Maples**—Tar Leaf Spot use 4 pounds plus 2 pounds of hydrated lime.

**Oak (White)**—Anthracnose use 4 pounds plus 2 pounds of hydrated lime.

**Pachysandra**—Canker, Leaf Spot, Twig Blight use 3 pounds plus 3 pounds hydrated lime.

**Vinca**—Canker, Dieback use 4 pounds.

**Vegetable Seedlings:** Damping-off (cold frames, greenhouses, etc.) use 4 pounds in 100 gallons of water or 2 ounces in 3 gallons. Agitate while spraying. Apply at 4 to 7 day intervals beginning when plants emerge. Spray plants and surrounding soil lightly but thoroughly. Do not use on cabbage and related seedlings.

### FRUITS & NUTS

Rates listed are amounts per 100 gallons of water. Spray for thorough coverage at indicated times. When used in combination with oil, observe the cautions on the oil label.

**Almonds:** Shot Hole fungus (*Coryneum*)—Use 4 pounds, plus 2 gallons Dormant Flowable Oil Emulsion. Apply as fall spray, in spring at bud swell and at petal fall. For Brown Rot use 4 pounds at pre-bloom and petal fall.

**Apples:** Fireblight use 2 to 4 pounds as a full cover spray. Make one application between silver-tip to green-tip. (Discontinue use at this rate when green-tip exceeds 1/2 inch, as phytotoxicity may occur.) Use 1/4 pound when 20% of blossoms are open and repeat when 75% of blossoms are open.

**Apricots:** Shot Hole Fungus (*Coryneum*)—Apply 4 pounds plus 2 gallons Dormant Flowable Oil Emulsion as a fall spray and in spring at red bud period. Brown Rot apply 4 pounds in pre-blossom, blossom and petal fall periods.

**Blackberries, Raspberries, Boysenberries, Loganberries:** Leaf Spot and Cane Spot—apply 4-6 pounds. Apply when new laterals are leafing out and repeat when flowers begin to open. A post harvest spray of 4-6 pounds applied after pruning or prior to the fall rains is of benefit in controlling the above diseases. For all treatments, do not apply more than 6 pounds per acre.

**Cherries:** Dead Bud (*Pseudomonas syringae*)—Use 6 pounds plus 1 pint superior type oil in October (before heavy fall rains) and again before bud swell in the spring. Brown Rot and Leafspot (*Coccomyces*)—Use 4 to 6 pounds in popcorn, bloom and petal fall applications. Do not exceed more than 23 pounds per acre.

**Cherries (Tart):** Cherry Leaf Spot—Use 1 1/2 pounds plus 3 pounds of hydrated spray lime in 100 gallons of water.

**Citrus (In California)** for prevention of Brown Rot use 1 to 2 pounds with 1 to 1 1/2 pounds of hydrated lime. Apply during the winter months. Spray the ground around the tree and the skirts of the trees to a height of 3 to 4 feet. Give particular attention to covering the fruit. Treat inside as well as outside, spraying trunks and skirts thoroughly (4 to 6 gallons per tree is usually adequate). Additional treatment may be necessary. Do not disturb soil after treatment. Do not apply in areas where copper injury is known to occur or where fumigation with hydrogen cyanide gas is practiced.

**Citrus (In Florida)**—including Grapefruit, Lemons, Limes, Oranges, Tangerines, Tangelos: Melanose, Scab, Greasy Spot—Use 6 pounds in 500 gallons of water. Apply in dormant season before spring growth appears. Repeat 1 to 3 weeks after petal fall. For melanose and scab repeat 4 weeks later. Do not apply after fruit is 1/2 inch in diameter. Do not apply in areas where copper injury is known to occur or where fumigation with hydrogen cyanide gas is practiced.

**Grapes:** Downy and Powdery Mildew, Black Rot—Use 2 pounds plus 4 pounds of hydrated lime in a maximum of 125 gallons of water per acre. Spray thoroughly, both upper and lower leaf surfaces. Begin when disease is first reported in the area and repeat at 7 to 10 day intervals or as required for effective control. For Black Rot control, apply when buds break and repeat when shoots are 10 inches long, when blossoms fall and berries reach size of BB shot.

**Peaches and Neclarines:** Bacterial Spot, Peach Blight and Peach Leaf Curl use 4 pounds plus 2 gallons Dormant Flowable Oil Emulsion. Apply as a fall spray and in the spring at bud swell. Brown Rot use 3 to 4 pounds in pre-bloom and blossom periods.

**Pears:** Fireblight—Use 2 to 4 pounds as a full cover spray. Make application between dormant and bud swell. Use 1/4 pound at 10% bloom and repeat at 3 to 5 day intervals until all late bloom is over. Do not use on d'Anjou or Comice varieties.

**Walnuts:** Walnut Blight—Use 3 pounds in each of the following growth stages: pre-bloom, bloom (1% and 10%-20% bloom) and post bloom. When rain threatens, additional applications made immediately before or immediately after the rain are important.

### 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:** FMC makes no warranty, expressed 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 buyer at his own risk.

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

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