

PM 22 34704-326



# C-O-C-S<sup>®</sup> WETTABLE

ACCEPTED

NOV - 9 1935

Under the Federal Insecticide, Fungicide, and Rodenticide Act, or amended, for the pesticide registered under EPA Reg. No. 34706-326

## FUNGICIDE

<b>ACTIVE INGREDIENTS:</b>	
Copper oxychloride*	74.8%
Basic copper sulfate*	14.2%
<b>INERT INGREDIENTS</b>	11.0%
	<b>TOTAL 100.0%</b>
*Metallic copper equivalent	50%

## KEEP OUT OF REACH OF CHILDREN WARNING AVISO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand this label, find someone to explain it to you in detail.)

See Below For Additional Precautionary Statements And Directions For Use.

EPA REG. NO. 34704-326 EPA EST. NO. 45002-MX-2  
40506 NET WEIGHT 20 LBS. (9.07 KG) EXP11G94

## PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS WARNING

Causes substantial but temporary eye injury. Harmful if swallowed, inhaled, or absorbed through skin. Do not get in eyes, on skin, or on clothing. Avoid breathing dust (vapor or spray mist). Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals.

### Personal Protective Equipment:

Applicators and other handlers must wear: long-sleeved shirt and long pants, waterproof gloves, shoes plus socks and protective eyewear. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

### Engineering controls statements:

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets with requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

## USER SAFETY RECOMMENDATIONS

Users should:

Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

## ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and aquatic organisms. For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Drift and runoff from treated areas may be hazardous to fish and aquatic organisms in adjacent aquatic sites. Do not allow rinsate from cleaning of equipment or disposed material to enter surface or ground water.

## STATEMENT OF PRACTICAL TREATMENT

If in eyes: Hold eyelids open and flush with a steady gentle stream of water for 15 minutes. Get medical attention.

If swallowed: Drink promptly a large quantity of milk, egg white, gelatin solution, or, if these are not available, large quantities of water. Avoid alcohol. Get medical attention. Do not induce vomiting.

If on skin: Wash with plenty of soap and water. Get medical attention.

If inhaled: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

## 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 a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

## AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 24 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is: coveralls, waterproof gloves, shoes plus socks and protective eyewear.

## STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or 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. Confine spills.

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.

## GENERAL INFORMATION

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.

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

C-O-C-S WETTABLE should not be applied in a spray solution having a pH less than 6.5 or greater than 9.0 as phytotoxicity or loss of effectiveness may occur. Environmental conditions such as extended period of wet weather, acid rain, etc., which alter the pH of the leaf surface may also affect the performance of this product resulting in possible phytotoxicity or loss of effectiveness.

**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.

The following instructions are based on general applications. Except as specified begin applications before or at first sign of disease and repeat at 7 to 10 day intervals throughout the growing season to protect new growth. When a rate range is given, apply higher doses when climatic conditions most favor disease(s).

# C-O-C-S WETTABLE®

EPA REG. NO. 34704-326

## ORNAMENTALS

Amounts listed are rates per 100 gallons of water. CAUTION: Application to blooming plants may cause browning of petals. C-O-C-S WETTABLE has demonstrated excellent plant safety; however, not all cultivars have been tested. Before treating a large number of plants of a particular cultivar, treat a few plants and observe prior to full scale applications.

CULTIVAR	DISEASE	RATE PER 100 GALS.	REMARKS
Azalea	Bud Blight, Twig Blight	4 lbs.	Begin application when disease is reported in area.
Maple	Tar Leaf Spot	4 lbs.	Safe with 2 pounds hydrated lime per 100 gallons of water.
Oak (White)*	Anthracoese	4 lbs.	Safe with 2 pounds hydrated lime per 100 gallons of water.
Pachysandra*	Canker, Leaf Spot, Twig Blight	3 lbs.	Safe with 3 pounds hydrated lime per 100 gallons of water.
Vinca*	Canker, Dieback	4 lbs.	Begin applications when disease is first reported in area.
Sycamore	Sycamore Anthracnose (Sycamore Blight)	3 lbs.	Begin applications when buds begin to swell. Repeat about 7 to 14 days later at early leaf stage.
Flowering Plants*		2 1/2 lbs.	Begin applications before diseases appear. For Black Spot on roses, begin when leaf buds swell in early spring. Repeat at 7 to 10 day intervals and after rains.
(Dahlias)	Botrytis Blight, Leaf Spots		
Nasturtiums	Leaf Spot		
Peonies	Anthracoese, Botrytis Blight		
Roses)	Black Spot, Leaf Spots, Rust		

\*Not for use in California

## VEGETABLES & FIELD CROPS

C-O-C-S WETTABLE is adapted to most types of spray equipment. Unless otherwise stated, apply the following rates of C-O-C-S WETTABLE: For dilute high volume spray, use a minimum of 25 gallons of water per acre; for concentrate ground sprays apply a minimum of 5 gallons per acre; and for aerial spraying, a minimum of 3 gallons per acre should be applied.

CROP	DISEASE	RATE PER ACRE	REMARKS
Beans (dry and succulent)	Cercospora Leaf Spot, Bacterial Blight, Anthracnose, Downy Mildew	2-4 lbs.	Begin application when plants are 5-6 inches high and repeat as needed.
Beets (table)	Downy Mildew, Leaf Spot	3-4 lbs.	Begin applications prior to onset of disease.
Brassica Leafy Vegetables (Broccoli, Brussels Sprouts, Cabbage, Cauliflower)	Downy Mildew, Black Rot	3-4 lbs.	Begin applications after transplants are set in field or after emergence of seedlings. Caution: Reddening of older leaves may occur on Broccoli and flecking may occur on wrapper leaves of cabbage.
Carrots	Leaf Blight, Leaf Spot	2-4 lbs.	Repeat applications are necessary to protect new growth.
Celery	Blights, Downy Mildew	2-4 lbs.	
Cucurbits (Cucumbers, Melons, Squash [Summer & Winter], Pumpkins, Watermelon)	Downy Mildew, Leaf Spots, Anthracnose	2-4 lbs.	Also aids in the control of Bacterial Wilt.
Eggplant, Peppers	Downy Mildew, Alternaria, Phytophthora Blight, Anthracnose	2-4 lbs.	
Lettuce (Head and Leaf)	Downy Mildew	1-3 lbs.	Under adverse weather conditions flecking of wrapper leaves may occur.
Onions	Downy Mildew, Purple Blotch	3-4 lbs.	Apply when plants are 4-8 inches high. If disease infection is severe, increase dosage up to 7 pounds on larger plants.
Potatoes	Early Blight, Late Blight	1 1/2-4 lbs.	
Spinach	Downy Mildew, Leaf Spot	1-3 lbs.	Caution: Leaf flecking may occur under adverse weather condition.
Strawberries	Leaf Spot, Bacterial Blight	2-4 lbs.	Begin applications when plants are established and continue as needed. Apply in a minimum of 100 gallons per acre. Stop applications if any signs of phytotoxicity begin to appear.
Sugarbeet	Cercospora Leaf Spot	2-4 lbs.	May be tank mixed with sulfur to enhance control.
Tomatoes	Early Blight, Late Blight, Septoria Leaf Spot	2-4 lbs.	If Late Blight infection is severe, increase dosage up to 7 pounds on large plants.
	Bacteria Spot	2-6 lbs.	Apply every 5-7 days after true leaves appear.
Vegetable Seedlings	Damping off	4 lbs./100 gals. or 2 oz./3 gals.	For damping off in cold frames, greenhouses, etc., begin treatment when seedlings emerge. Spray plants and surrounding soil lightly but thoroughly. Do not use on cabbage or related seedlings.
Wheat, Barley*	Helminthosporium Spot Blotch, Septoria Leaf Blotch	1-2 lbs.	Make first application at early heading and follow with second spray 10 days later.

\*Not for use in California

30/4

**C-O-C-S WETTABLE®**

EPA REG. NO. 34704-326

**TREE FRUIT & VINE CROPS**

Rates listed are pounds per 100 gallons of water and/or pounds per acre. Unless otherwise noted, C-O-C-S WETTABLE may be applied by air or concentrate applications. For concentrate ground spray, use equivalent rates of C-O-C-S WETTABLE in a minimum of 25 gallons of water per acre. For air application, use equivalent ground rates in a minimum of 10 gallons of water per acre. When used in combination with oil, observe the precautions on the oil label. Spray for thorough coverage at indicated times.

CROP	DISEASE	RATE OF PRODUCT PER 100 GALS.	ACRE	REMARKS
Almonds	Coryneum Blight	4 lbs.	12-16 lbs.	Apply as a dormant/delayed dormant spray up to bud swell. May be combined with 2 gal. dormant oil per 100 gallons of water.
	Coryneum Blight, Brown Rot	4 lbs.	12-16 lbs.	Apply pre-bloom and petal fall.
Apples	Fireblight*	2-4 lbs.		Make one application between silver tip to green tip. (Discontinue at this rate when green tip exceeds 1/2 inch as phytotoxicity may occur.
	Fireblight	1/4 lbs.	1 lb.	Bloom spray: Use 1/4 pound when 20% of blossoms are open and repeat when 75% are open.
	European Canker	4-5 lbs.		Apply post harvest in fall of year. Apply as dilute spray. Combine with dormant oil at 1/2 to 1 gallon per 100 gallons of water.
Apricots	Coryneum Blight, Brown Rot	4 lbs.	5-12 lbs.	For shothole, apply as a dormant spray up to red bud. May be combined with dormant oil at 2 gallons per 100 gallons water or at 3-6 gallons dormant oil per acre concentrate or air. For Brown Rot, apply in pre-blossom, blossom and petal fall periods.
Caneberries (Boysenberries, Blackberries, Youngberries, Loganberries, Red and Black Raspberries, Dewberries)	Leaf and Cane Spot, Yellow Rust	4-6 lbs.	4-6 lbs.	For Leaf and Cane Spot: Apply when new laterals are leafing out and repeat when flowers begin to open. A post-harvest spray after pruning is also beneficial. Apply in a maximum of 150 gallons per acre.
Cherries*	Dead Bud, Brown Rot, Leaf Spot	4-6 lbs.	8-12 lbs.	Dead Bud: Apply in fall before heavy rains and again in spring before bud swell. May be combined with 1 pint per 100 gallons water dormant spray oil. Brown Rot and Leaf Spot: Apply in popcorn, bloom and in petal fall periods.
Cherries (Tart)*	Cherry Leaf Spot	1 1/2 lbs.		Apply as a dilute spray. Combine with 3 pounds hydrated lime per 100 gallons of water to reduce copper injury.
Cherries (California)	Brown Rot, Leaf Spot	4-6 lbs.	7.5 lbs.	Apply in popcorn, bloom and petal fall periods.
Citrus Fruits (Citrus Citron, Grapefruit, Kumquat, Lemons, Limes, Oranges, Tangelos, Tangerines)	Melanose*, Scab*, Greasy Spot*	1 1/4-2 lbs.	4-12 lbs.	Apply as pre-bloom and post-bloom sprays. For Melanose and Scab, repeat 4 weeks later. Do not apply after fruit is 3/4 inch in diameter. Do not apply in areas where copper injury is known to occur.
	Brown Rot (California and Arizona Only)	1-2 lbs.	4-10 lbs.	Begin applications in fall before or just after first rains. In severe Brown Rot season a second application may be necessary. Spray as overall or skirt spray insuring that ground around tree receives spray coverage. Give particular attention to covering fruit. Treat inside as well as outside, spraying trunks and skirts thoroughly. Do not disturb soil after treatment. Apply a minimum of 100 gallons per acre ground concentrate and 20 gallons of water per acre by air. When danger of copper injury is severe, spray mix may be safened by adding 1/3 to 1 pound hydrated lime per 1 pound fungicide.
Filberts*	Bacterial Blight	4 lbs.	12-16 lbs.	Apply as a post-harvest spray. In seasons of heavy rainfall apply a second spray when 75% of the leaves have dropped. One (1) pint superior type oil per 100 gallons of water may be added.
Grapes	Black Rot, Downy Mildew, Powdery Mildew		2 lbs.	Mildews: Begin applications at or near bud break. Thoroughly spray both upper and lower leaf surfaces. Repeat as needed. Black Rot: Apply when buds break and repeat when shoots are 10 inches long, when blossoms fall and berries reach the size of a BB shot. Foliar injury may occur on copper sensitive varieties. Where danger of copper injury is severe, add 4 pounds of hydrated lime in a minimum of 125 gallons of water per acre to safen spray mixture.

\* Not for use in California

4014

**C-O-C-S WETTABLE®**

EPA REG. NO. 34704-326

CROP	DISEASE	RATE OF PRODUCT PER		REMARKS
		100 GALS.	ACRE	
Hops*	Downy Mildew		4-6 lbs.	Apply soon after training vines (when growth is approximately 18 inches long) in 100 gallons of water per acre. Apply as a directed spray using adequate spray volume for good coverage.
Olives	Olive Leaf Spot	4 lbs.		Apply as a full coverage spray after harvest and prior to rainy season. Under heavy disease pressure, a second application may be necessary.
Peaches and Nectarines	Bacterial Spot, Peach Blight, Peach Leaf Curl, Brown Rot	4 lbs.	12-16 lbs.	For Leaf Curl, Peach Blight and Bacterial Spot: Apply as a dormant spray up to bud swell. May be combined with dormant oil at 2 gallons per 100 gallons of water or at 3-6 gallons dormant oil per acre concentrate or by air. For Brown Rot: Apply in pre-blossom, blossom and petal fall periods.
Pears* and Quince*	Fireblight	2-4 lbs.		For dormant to bud swell, apply as a full cover spray.
		1/4-1/2 lb.	1-2 lbs.	Apply at 10 bloom and repeat at 3-5 day intervals until all late bloom is over.
	Pseudomonas, Anthracnose	4 lbs.	12-20 lbs.	Apply after harvest and before rains fall and again in the dormant to delayed dormant period. Apply in a minimum of 100 gallons per acre by ground and 20 gallons per acre by air.
Pears and Quince (In California)	Fireblight	1/4-1/2 lb.	1-1 1/2 lbs.	For Fireblight: Apply at 10 bloom and repeat at 3-5 day intervals until all late bloom is over.
	Pear Blight	4 lbs.	12 lbs.	For Pear Blight: Apply during bloom and other periods favorable to blight infections.
	Pseudomonas, Anthracnose	4 lbs.	12-20 lbs.	Apply after harvest and before rains fall and again in the dormant to delayed dormant period. Apply in a minimum of 100 gallons per acre by ground and 20 gallons per acre by air.
Plums and Prunes	Brown Rot, Shot Hole	4 lbs.	6-12 lbs.	For Shot Hole: Apply as a dormant spray up to bud swell. May be combined with dormant oil at 2 gallons per 100 gallons water or with 3-6 gallon dormant oil per acre concentrate or by air. For Brown Rot: Apply in pre-blossom, blossom and petal fall periods.
Walnuts	Walnut Blight	3-4 lbs.	12-16 lbs.	Apply 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 after rains are important.

\* Not for use in California

**DEALERS SHOULD SELL IN ORIGINAL PACKAGES ONLY.**

**NOTICE**

PLATTE WARRANTS THAT THIS PRODUCT CONFORMS TO THE CHEMICAL DESCRIPTION ON THE LABEL THEREOF AND IS REASONABLY FIT FOR THE PURPOSES STATED ON SUCH LABEL ONLY WHEN USED IN ACCORDANCE WITH THE DIRECTIONS UNDER NORMAL USE CONDITIONS. IT IS IMPOSSIBLE TO ELIMINATE ALL RISKS INHERENTLY ASSOCIATED WITH THE USE OF THIS PRODUCT. CROP INJURY, INEFFECTIVENESS, OR OTHER UNINTENDED CONSEQUENCES MAY RESULT BECAUSE OF SUCH FACTORS AS WEATHER CONDITIONS, PRESENCE OF OTHER MATERIALS, OR THE MANNER OF USE OR APPLICATION, ALL OF WHICH ARE BEYOND THE CONTROL OF PLATTE. IN NO CASE SHALL PLATTE BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. ALL SUCH RISKS SHALL BE ASSUMED BY THE BUYER. EXCEPT AS EXPRESSLY PROVIDED HEREIN, PLATTE MAKES NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND, EITHER EXPRESSED OR IMPLIED, OR BY USAGE OF TRADE, STATUTORY OR OTHERWISE, WITH REGARD TO THE PRODUCT SOLD, INCLUDING, BUT NOT LIMITED TO, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, USE OR ELIGIBILITY OF THE PRODUCT FOR ANY PARTICULAR TRADE USAGE, BUYER'S OR USER'S EXCLUSIVE REMEDY, AND PLATTE'S TOTAL LIABILITY, SHALL BE FOR DAMAGES NOT EXCEEDING THE COST OF THE PRODUCT.

FORMULATED FOR  
**PLATTE CHEMICAL CO.**  
 150 SO. MAIN STREET      FREMONT, NEBRASKA 68025-5697