

PM 27

34704-326

file 1 of 7



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

FEB 21 1994

J ALLEN DUNLAP III  
WILLIAM M. MAHLBURG  
AGENT FOR: PLATTE CHEMICAL CO., INC.  
BOX 667  
GREELEY, CO. 80632

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

Subject: Label Amendment Submission of 10/19/93 Response to PR Notice 93-7  
EPA Reg. No. 34704-326  
CLEAN CROP C-O-C-S WETTABLE

Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is accepted subject to the comments reflected on the enclosed sheet. A copy of your proposed labeling stamped "ACCEPTED WITH COMMENTS" is enclosed.

**WHAT THIS ACCEPTANCE MEANS:**

Based on your certification, the Agency has accepted the labeling changes that are necessary to comply with the Worker Protection Standard (WPS) labeling requirements of 40 CFR part 156, subpart K, described in PR Notices 93-7 and 93-11. Any other labeling changes submitted in connection with this amendment application but not directly related to compliance with the WPS have not been reviewed or accepted by the Agency. If you wish to make such changes, you must submit a separate amendment application proposing them. If your product is currently suspended, the acceptance of this labeling amendment does not affect the suspension in any way.

**WHAT YOU NEED TO DO NEXT:**

By the next label printing make all the specified changes to your labeling. Send to EPA one (1) copy of the final printed labeling:

- BEFORE selling or distributing any product bearing the final printed labeling
- AND
- WITHIN one year from date of this acceptance.



Recycled/Recyclable  
Printed with Soy/Candis ink on paper that  
contains at least 50% recycled fiber

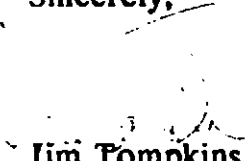
Submit the final printed labeling via the U.S. Postal Service to:

Document Processing Desk (FIN-LABEL)  
Office of Pesticide Programs (7505C)  
U.S. Environmental Protection Agency  
401 M Street, SW  
Washington, D.C. 20460-0001

Hand or courier deliveries of final printed labeling may be made to:

Document Processing Desk (FIN-LABEL)  
Office of Pesticide Programs  
Room 266A, Crystal Mall 2  
1921 Jefferson Davis Highway  
Arlington, VA 22202

Sincerely,

  
Jim Tompkins, Deputy Chief  
Registration Support Branch  
Registration Division (7505W)

Attachment

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Registration Division

J Allen Dunlap III  
WILLIAM M. MAHLBURG  
AGENT FOR: PLATTE CHEMICAL CO., INC.  
- BOX 667  
GREELEY CO 80632

Comment for: EPA Reg Nr.34704-326  
CLEAN CROP C-O-C-S WETTABLE

The following specific comments pertain to your WPS  
labeling submission concerning the product  
cited above:

User Safety Recommendations must either be placed in a box  
or printed on the label in a contrasting color from  
surrounding text.

PROPOSED LABEL

Approved with Amendments In EPA Letter Dated FEB 2 1994

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, the pesticide registered under EPA Reg. No. 34704-326



# C-O-C-S WETTABLE

**ACTIVE INGREDIENTS:**

Copper oxychloride*	74.8%
Basic copper sulfate*	14.2%
<b>INERT INGREDIENTS</b>	<b>11.0%</b>
<b>TOTAL</b>	<b>100.0%</b>

\*Metallic copper equivalent ..... 50%.

### DIRECTIONS FOR USE

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

## KEEP OUT OF REACH OF CHILDREN CAUTION

See Below For Additional Precautionary Statements And Directions For Use.

EPA REG. NO. 34704-326

EPA EST. NO. \_\_\_\_\_

NET WEIGHT \_\_\_\_\_ LBS. (\_\_\_\_\_ KG)

3762

WPSEXP10G93

## PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

Harmful if swallowed. May cause skin sensitization reactions in certain individuals.

**Personal Protective Equipment**  
 Applicators and other handlers must wear \_\_\_\_\_  
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**Engineering controls statements**  
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### USER SAFETY RECOMMENDATIONS

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### 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 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 of 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.

### AGRICULTURAL USE REQUIREMENTS

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### 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).

## BEST AVAILABLE COPY

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**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.	Safen with 2 pounds hydrated lime per 100 gallons of water.
Oak (White)*	Anthracoese	4 lbs.	Safen with 2 pounds hydrated lime per 100 gallons of water.
Pachysandra*	Canker, Leaf Spot, Twig Blight	3 lbs.	Safen 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 Spots		
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

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# 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		REMARKS
		100 GALS.	ACRE	
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, 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 salened 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. Foliage 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 salen spray mixture.

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**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. <u>1/4-1/2 lb.</u>	1-2 lbs.	For dormant to bud swell, apply as a full cover spray. 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.

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