

2 of 11

ACCEPTED  
with COMMENTS  
In EPA Letter Dated

APR - 3 1988

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

26883-20

CORRECTED DRAFT LABEL

AMERICAN CHEMET CORPORATION  
CHEM 50% WP FUNGICIDE  
FOR AGRICULTURAL USE

ACTIVE INGREDIENT:		
Cuprous oxide (Cu <sub>2</sub> O).....	57.8%*	
INERT INGREDIENTS:.....	42.2%	
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	TOTAL.....	100.0%

\* Metallic copper equivalent : 50%

EPA Reg. No 26883-

Net Contents: 20 lbs.

KEEP OUT OF REACH OF CHILDREN

CAUTION

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Call a physician or poison control center. Drink 1 or 2 glasses of water and induce vomiting. Do not induce vomiting or give anything by mouth to an unconscious person.

IF ON SKIN: Wash with plenty of soap and water. Get medical attention if irritation persists.

IF IN EYES: Flush with plenty of water. Get medical attention if irritation persists.

PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS & DOMESTIC ANIMALS

CAUTION: Causes moderate eye irritation. Harmful if swallowed or absorbed through skin. Avoid breathing dust or spray mist. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers who handle this pesticide for any use covered by Worker Protection Standard (40 CFR Part 170) must wear:

- \* Long sleeved shirt and long pants
- \* Waterproof gloves
- \* Shoes and socks

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

**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**

Do not apply directly to water, to areas where surface water is present or intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment or wash waters.

**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 (WPS), 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), notification to workers, and restricted entry interval (REI). The requirements in this box only apply to uses of this product that are covered by the WPS.

- \* Do not enter or allow worker entry into treated areas during the REI of 48 hours.
- \* PPE required for early entry to treated areas that is permitted under the WPS and that involves contact with anything that has been treated, such as plants, soil, or water is:
  - \* Coveralls
  - \* Waterproof gloves
  - \* Shoes and socks
- \* Notify workers of the application by warning them and by posting warning signs at entrances to treated areas.

**STORAGE AND DISPOSAL**

Do not contaminate water, food or feed by storage or disposal.

**STORAGE**

Store in a cool, dry place.

**DISPOSAL**

**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.

**LIMITED WARRANTY AND LIABILITY**

**NOTICE:** Read this Limited Warranty and Liability before buying or using this product. If the terms are not acceptable, return it at once unopened.

It is critical that this product be used and mixed only as specified on the label. The laws of a State may make some or all of this paragraph inapplicable or may give you rights in addition to your rights hereunder. Except to the extent prohibited by applicable law, the exclusive remedy of the User or Buyer and the limit of liability of this Company or any other Seller for any and all losses, personal injuries or damages resulting from the use of this product, shall be the purchase price paid by the User or Buyer for the quantity of product involved. Except to the extent prohibited by State Law, there is no warranty, and this Company and other Sellers disclaim all liability for losses, personal injury or damages: (i) arising from any use of this product in a manner or for a purpose not recommended in its label directions, or from mixing this product before use with any substance except as recommended by the product's label; (ii) arising from handling on storage in violation of label instructions; (iii) for all indirect special or consequential damages; (iv) when not reported to this company within one year of discovery; and (v) arising from product not used within the label-designated shelf life or four years from date of purchase, whichever first occurs. THERE ARE NO IMPLIED WARRANTIES, AND NO WARRANTIES OF MERCHANTABILITY OR FITNESS.

**GENERAL INSTRUCTIONS**

Use American Chemet's CHEM COPP 50% WP product as noted. CHEM COPP 50% WP is adaptable to spraying from all types of spray equipment. Depending on the equipment used and the specific crop, the volume applied per acre will differ. For dilute, high volume sprays: use from 25 to 100 gallons of water per acre (GPA) for most vegetable crops, 400 to 800 GPA for fruit orchards and up to 1500 GPA as may be required for large citrus groves. For concentrate ground sprays apply from 5 to 20 GPA for most vegetable crops and 25 to 100 GPA for fruit and nut crops. For aerial spraying, 3 to 15 GPA are commonly used.

5 of 11

**MIXING DIRECTIONS**

Add American Chemet's product slowly to a spray tank partially filled with water. Spreader/stickers, insecticides, nutrients, etc., should be added last. Observe all cautions and limitations on labels of all products used in mixtures.

**Manufactured by: American Chemet Corporation**  
P.O. Box 1160  
East Helena, Mt 59635  
EPA Est. No. 26883MT01

The following specific instructions are based on general applications. Where a dosage range is specified, apply higher dosage when disease conditions are severe. The recommendations of State Agricultural Extension Services should be closely followed as to timing, frequency and number of sprays per season.  
CHEMIGATION: DO NOT apply this product through any type of irrigation system.

CROP	DISEASE	LATIN NAME	RATE	REMARKS
Almonds	Brown rot blossom blight	Monilinia laxa	Dilute: 2-5 lbs/100 gal	Apply in dormant/delayed-c through popcorn state.  Apply at dormant to early p disease is severe apply 1/4 Intervals post-bloom. Use 2 prior to sprinkling. Slight le
	Coryneum blight (shot hole)	Stigmina carpophila	Concentrate: 8-20 lbs./A Aerial: 8-20 lbs./A	
	Bacterial blast	Pseudomonas syringae	Dilute 3-4 lbs./100 gal	
Apples	Bacterial canker	Pseudomonas spp.	Dilute 2-4 lbs./100 gal	Apply as dormant spray. Apply only at bud break to
	Apple scab (black spot)	Venturia inaequalis	Concentrate: 3-5 lbs./A	
Apricots	Brown rot blossom blight	Monilinia spp	Dilute: 2-5 lbs./100 gal	Apply in dormant/delayed-c through popcorn state. Do bloom.
	Coryneum blight (shot hole)	Stigmina carpophila	Concentrate: 8-20 lbs./A Aerial: 8-20 lbs./A	
Avocados	Anthraco nose	Glomerella cingulata	Dilute: 2-3 lbs./100 gal	Apply when blossom buds c Repeat at monthly intervals
	Scab	Sphaceloma perseae	Concentrate 8-10 lbs./A	
Bananas	Sigatoka	Cercospora musae	2 1/2 to 4 lbs./A	Apply every 3-4 weeks.
Blueberries	Bacterial canker	Pseudomonas spp.	4-6 lbs/100 gal plus spreader/sticker	Apply before fall rains and
	Cane canker	Phyalospora corticus	4-6 lbs/100 gal plus spreader/sticker	Apply before fall rains and lute in the spring during w 10-14 day intervals beginni emergence.
Caneberries (blackberries, youngberries, loganberries, red & black raspberries)	Anthraco nose	Gloeosporium allantasporum	2 lbs/100 gal.	Apply when leaf buds open flower buds show white and day intervals.
	Bacterial blight	Pseudomonas syringae	2-4 lbs/100 gal	Apply delayed-dormant spr again in the fall
	Leaf and cane spot	Septoria rubi	2-4 lbs/100 gal	Apply delayed-dormant spr
	Yellow rust	Kuchnicola uredinis Pnragmidium rubi-idae		make a fall application.
Cherries	Brown rot blossom blight	Monilinia spp	2-5 lbs/100 gal	Apply at popcorn to full blo Apply before heavy rains n dormant/delayed-dormant s apply a later summer spray
	Coryneum blight (shot hole)	Stigmina carpophila	Dilute 4-6 lbs/100 gal	
	Dead bud	Pseudomonas syringae	Concentrate 8-20 lbs/A	

CROP	DISEASE	LATIN NAME	RATE	REMARKS
Citrus	Melanose	Phomopsis spp.	Dilute: 3/4-3 lbs/100 gal	Florida and Texas Apply as pre-bloom and post-bloom sprays
	Fruit rot	Diplodia natalensis	Concentrate: 4-20 lbs/A	
	Spot anthracnose (scab)	Diaporthe citri	Aerial: 4-20 lbs/A	
	Greasy spot (pink pitting)	Elsino fawcetti		
	Brown rot	Mycosphaerella citri		
		Phylophthora citrophthora	Dilute: 1/2-2 lbs/100 gal	Apply in the fall just before rainy season Apply as an overall or skirt spray. Apply to the soil beneath the trees. Use with lime in areas where copper injury is known to occur.
Cocoa	Black pod rot	Phylophthora palmivora	2-4 lbs/A	Apply on 14-21 day schedule in high rainfall areas.
Coffee	Iron spot	Ce cospora spp.	2-8 lbs/A	Apply 3 applications at monthly intervals at the beginning of the wet season.
	Pink disease	Corticium salmoni color		
	Leaf rust	Hemileia vastatrix	3 1/2-8 lbs/A	
	Leaf spot	Mycena citricolor		Apply as locally recommended, usually at 3-4 week intervals depending upon disease severity and rainfall condition.
	Berry spot	Cercospora coffeicola		
Cranberries	Fruit rot	Ceuthospora lunata	8 lbs/A	Begin application in late bloom. 1-2 additional applications at 10-14 day intervals may be necessary. Apply delayed-dormant spray in the spring. Repeat as needed through pre-bloom.
	Stem and leaf blight	Botryosphaeria vaccinii	8 lbs/A	
	Red leaf spot	Exobasidium vaccinii		
Currants Gooseberries	Leaf spot (cane blight)	Batryosphaeria ribis	5-10 lbs/A	Make 3 applications starting after harvest before bloom and after petal fall
Filberts	Bacterial blight	Pseudomonas spp Xanthomonas spp	4-5 lbs/100 gal	Apply in late August or early September Under severe conditions, apply another application when 3/4 of the leaves have dropped

CROP	DISEASE	LATIN NAME	RATE	REMARKS
Grapes	Black rot	<i>Gulgnardia bicwellii</i>	2 lbs/A	Apply the first application when the shoots are 6-8 inches long. A second application should be applied just after bloom and a third before fruit changes color or every 4-10 days if disease is severe.
	Downy mildew	<i>Plasmopora viticola</i>		
	Powdery mildew	<i>Unicinula necator</i>	2 lbs/A	Apply the first application when shoots are 6-8 inches long. A second application should be applied just before blooming. Foliar injury occurs on copper-sensitive varieties.
Mangoes	Anthracnose	<i>Glomerella cingulata</i>	Dilute 2 lbs/100 gal Concentrate: 4-5 lbs/A	Apply monthly after fruit set until harvest
Olives	Peacock spot	<i>Cyloconium oleaginum</i>	Dilute 2-3 lbs/100 gal	Apply prior to winter rains. A second application in the early spring should be made under severe disease symptoms.
	Anthracnose	<i>Gleosporium olivarum</i>	Concentrate: 8-12 lbs/A	
Peaches Nectarines	Brown rot blossom blight	<i>Monilinia</i> spp.	Dilute: 2-4 lbs/100 gal	For leaf curl and shot hole, apply in dormant/delayed-dormant sprays. For brown rot and shot hole apply before bud swell in the full pink bud stage. Apply as a dormant spray. Apply post-bloom at first and second cover sprays. Slight injury to the foliage may occur
	Coryneum blight (shot hole)	<i>Stigmima carpophila</i>	Concentrate: 8-20 lbs/A	
	Leaf curl	<i>Taphrina deformans</i>	Aerial: 8-20 lbs/A	
	Bacterial spot	<i>Xanthomonas pruni</i>	2 lbs/100 gal 1/4 lb/100 gal	
Pears	Fire blight	<i>Erwinia amylovora</i>	Dilute: 1/4-1/2 lb/100 gal Concentrate: 1-2 lbs/A	Apply at 10% bloom and repeat at 5-7 day intervals during the bloom period Do not use on copper-sensitive varieties
	Blossom blast	<i>Pseudomonas syringae</i>	Dilute: 2-4 lbs/100 gal Concentrate: 3-5 lbs/A	Apply as a dormant spray. Apply only at bud break to control primary infection.
Plums Prunes	Brown rot blossom blight	<i>Monilinia</i> spp.	Dilute: 4-5 lbs/100 gal	Apply as a dormant spray before heavy rains begin. For brown rot, apply at early green bud to full popcorn stages.
	Coryneum blight (shot hole)	<i>Stigmima carpophila</i>	Concentrate: 12-20 lbs/A Aerial: 16-20 lbs/A	
Cherry	Fire blight	<i>Erwinia amylovora</i>	Dilute: 1/4-1/2 lb/100 gal Concentrate: 1-2 lbs/A	Apply at 10% bloom and repeat at 5-7 day intervals during bloom period. Do not use on copper-sensitive varieties
	Blossom blast	<i>Pseudomonas syringae</i>	Dilute: 2-4 lbs/100 gal Concentrate: 3-5 lbs/A	Apply as a dormant spray. Apply only at bud break to control primary infection

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CROP	DISEASE	LATIN NAME	RATE	REMARKS
Strawberries	Leaf spot	<i>Mycosphaerella fragariae</i>	2-3 lbs/100 gal	Begin application when plants are established and continue on a weekly schedule.
	Bacterial leaf blight	<i>Pseudomonas</i> spp.	2-3 lbs/A	
Tea	Blister blight	<i>Exobasidium vexans</i>	2-4 oz/A	Apply on a 7-10 day schedule.
Walnuts	Walnut blight	<i>Xanthomonas juglandis</i>	Dilute: 2-4 lbs/100 gal Concentrate: 8-12 lbs/A Aerial: 8-12 lbs/A	Make first application at early pre-bloom when the catkins are partially expanded. Make additional applications at 7-10 day intervals or more frequently if rainfall occurs.
Alfalfa	Leaf spots	<i>Cercospora</i> spp. <i>Leptosphaerulina</i> spp.	2-4 lbs/A	Apply by ground or air 10-14 days prior to harvest. Slight injury may occur to sensitive varieties.
Beans	Bacterial blight (halo blight)	<i>Xanthomonas phaseoli</i>	1-4 lbs/A	Begin applications by ground or air when plants are 5-6 inches high and repeat at 10-14 day intervals
	Anthracnose	<i>Pseudomonas phaseolicola</i> <i>Colletotrichum lindemuthianum</i>		
Beets	Downy mildew	<i>Peronospora</i> spp.	1-3 lbs/A	Apply by ground or air when disease first appears and repeat at 7-14 day intervals.
	Leaf spot	<i>Cercospora beticola</i>		
Broccoli	Downy mildew	<i>Peronospora parasitica</i>	1/2-1 lb/A	Apply at 7 day intervals.
Brussels Sprouts.	Black rot	<i>Xanthomonas campestris</i>	1-3 lbs/A	Apply by ground or air when disease first appears and repeat it at 7-14 day intervals.
Cabbage. Cauliflower	Black leaf spot	<i>Alternaria</i> spp.		
Carrots	Downy mildew	<i>Peronospora</i> spp.	2-4 lbs/A	Apply by ground or air when disease appears and repeat at 7-14 day intervals
	Blight	<i>Cercospora</i> spp. <i>Alternaria</i> spp.		
Celery	Bacterial blight	<i>Pseudomonas</i> spp.	2-4 lbs/A	Apply by ground or air when disease appears and repeat at 7-14 days intervals
	Early blight	<i>Cercospora</i> spp.		
	Late blight	<i>Septoria</i> spp.		

1140



CROP	DISEASE	LATIN NAME	RATE	REMARKS
Cucurbits (cantaloupes, honeydew, cucumbers, pumpkins, squash, water-melons)	Downy mildew Angular leaf spot Anthracnose Alternaria leaf spot Bacterial wilt Gummy stem blight	Pseudoperonospora cubensis Pseudomonas lachrymans Colletotrichum lagenarium Alternaria cucumerina Erwinia tracheiphila Mycosphaerella melonis	1 1/2-2 lbs/A	Apply by ground or air when disease appears and repeat at 7-10 intervals.
Eggplant	Alternaria blight Anthracnose Fruit rot	Alternaria spp. Colletotrichum spp. Phomopsis vexans	2-4 lbs/A	Apply by ground or air when disease appears and repeat at 7-10 day intervals.
Hops	Downy mildew	Pseudoperonospora humuli	2 lbs/A	Apply as needed at 10 day intervals. Begin with crown treatment (after pruning but before training) and continue until 2 weeks before harvest.
Lettuce	Downy mildew	Bremia lactucae	1-2 lbs/A	Apply by ground or air when disease appears and repeat at 7-10 day intervals. Slight injury may occur under adverse weather conditions.
Onions	Downy mildew Purple blotch	Peronospora spp. Alternaria porri	2-4 lbs/A	Apply by ground or air when plants are 4-6 inches high and repeat at 7-10 day intervals.
Peanuts	Cercospora leaf spot	Cercospora personata	1 1/2-3 lbs/A	Apply by ground or air when disease appears and repeat at 7-14 day intervals. May be tank-mixed with sulfur to enhance control.
Peppers	Bacterial spot Anthracnose Early blight Late blight Leaf spot Downy mildew	Xanthomonas vesicatoria Colletotrichum spp. Alternaria solani Phylophthora infestans Cercospora capsici Peronospora spp.	2-4 lbs/A	Apply by ground or air when disease appears and repeat at 7-10 intervals.
Potatoes	Early blight Late blight	Alternaria solani Phylophthora	1-6 lbs/A 2-4 lbs/A	Apply at 7-10 day intervals when plants are 6 inches high up until harvest. Apply by ground or air. Apply by ground or air before disease appears and repeat as needed at 7-10 day

11-80

CROP	DISEASE	LATIN NAME	RATE	REMARKS
Spinach	Anthracnose	Glomerella spp.	2-3 lbs/A	Apply by ground or air when disease appears and repeat at 7-10 day intervals.
	Cercospora leaf spot	Cercospora spp.		
	Downy mildew	Peronospora effusa		
	White rust	Albugo accidentalis		
Sugarbeets	Cercospora leaf spot	Cercospora personata	1 1/2-3 lbs/A	Apply by ground or air when disease appears and repeat at 7-14 day intervals. May be tank-mixed with sulfur to enhance control.
Tobacco	Damping off diseases	Various	5-6 lbs/A	Avoid overwatering. Dust the seed bed after planting. Apply on 7-10 day basis when disease appears. Destroy all infected plants. Apply just before transplanting and when topped. Apply every 7-10 days when disease appears. Apply every 7 days from seeding to transplanting. Apply every 7 days when disease appears.
	Angular leaf spot	Pseudomonas angulata	4-5 lbs/A	
	Frog eye disease	Cercospora nicotianae	4-5 lbs/A	
	Brown spot	Alternaria longipes	4-5 lbs/A	
	Wildfire	Pseudomonas tabaci	2 lbs/A	
	Blue mold	Peronospora tabacina	2 lbs/A	
Tomatoes	Bacterial spot	Xanthomonas vesicatoria	2-4 lbs/A	Apply prior to the appearance of the disease by ground or air and repeat 7-10 day intervals.
	Bacterial speck	Pseudomonas tomato		
	Bacterial canker	Corynebacterium michiganense		
	Anthracnose	Glomerella phomoides		
	Early blight	Alternaria solani		
	Late blight	Phytophthora infestans		
	Leaf mold	Cladosporium fulvum		
	Septoria leaf spot	Septoria lycopersici		
	Gray leaf spot	Stemphylium solani		