

SEP 26 1996

Eric Palmer
American Chemet Corp.
P. O. Box 1160
East Helena, MT 59635

Dear Mr. Palmer:

Subject: Revised Labeling - Signal Word WARNING
Chem Copp 50 Fungicide
EPA Registration No. 26883-20
Your Submission Dated August 26, 1996

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended is acceptable provided that you:

1. Make the labeling changes listed below before you release the product for shipment bearing the amended labeling:

a. Modify the Hazards to Humans section to read as follows:

Causes substantial but temporary eye injury. Harmful if swallowed or absorbed through skin. Do not get in eyes or clothing. Avoid contact with skin. Avoid breathing dust or spray mist.

b. To the Personal Protective Equipment and Agricultural Use Requirements sections add:

Protective eyewear

c. Modify "IF IN EYES:" the Statements of Practical Treatment to read:

IF IN EYES: Hold eyelids open and flush with steady gentle stream of water for 15 minutes. Get medical attention.

7/12

d. Reinstate the Chemigation prohibition statement. Otherwise the chemigation directions required by PR Notice 87-1 must be added to the labeling.

2. Submit one (1) copy of your final printed labeling before you release the product for shipment.

A stamped copy of the labeling is enclosed for your records.

For your information enclosed is a copy of the scientific review of the eye irritation study.

Sincerely yours,



for Philip V. Errico
Acting Product Manager (22)
Fungicide-Herbicide Branch
Registration Division (7505C)

Enclosure

9/12

AMERICAN CHEMET CORPORATION
CHEM COPP 50 FUNGICIDE
FOR AGRICULTURAL USE

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

* Metallic copper equivalent : 50%

USA EPA Reg. No 26883-20

Net Contents: 20 lbs.

**KEEP OUT OF REACH OF CHILDREN
WARNING**

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.

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**

WARNING: 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.

5/12

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

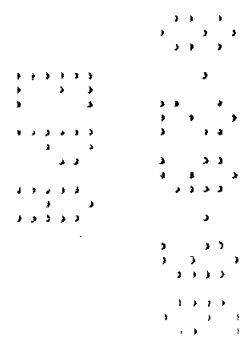
Use American Chemet's CHEM COPP 50% WP product as noted. CHEM COPP 50% WP is adaptable to spraying from all types of spray equipment. Depending on the equipment used and the specific crop, the volume applied per acre will differ. For dilute, high volume sprays: use from 25 to 100 gallons of water per 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.

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 U.S.A.
 EPA Est. No. 26883MT01

Chemization :



CROP	DISEASE	LATIN NAME	RATE	REMARKS
Almonds	Brown rot blossom blight Coryneum blight (shot hole)	Monilinia laxa Stigmina carpophila	Dilute: 2-5 lbs/100 gal Concentrate: 8-20 lbs./A Aerial: 8-20 lbs./A	Apply in dormant/delayed-dormant sprays through popcorn state.
	Bacterial blast	Pseudomonas syringae	Dilute 3-4 lbs./100 gal	Apply at dormant to early pink stage. Where disease is severe apply 1/4 lb. at 2 week intervals post-bloom. Use 2-4 applications just prior to sprinkling. Slight leaf injury may occur.
Apples	Bacterial canker Apple scab (black spot)	Pseudomonas spp. Venturia inaequalis	Dilute 2-4 lbs./100 gal Concentrate: 3-5 lbs./A	Apply as dormant spray. Apply only at bud break to control primary infection.
Apricots	Brown rot blossom blight Coryneum blight (shot hole)	Monilinia spp. Stigmina carpophila	Dilute: 2-5 lbs./100 gal Concentrate: 8-20 lbs./A Aerial: 8-20 lbs./A	Apply in dormant/delayed-dormant sprays through popcorn state. Do not apply after bloom.
Avocados	Anthrachnose Scab	Glomerella cingulata Sphaceloma perseae	Dilute: 2-3 lbs./100 gal Concentrate 8-10 lbs./A	Apply when blossom buds open. Repeat at monthly intervals for 5-6 applications.
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 again 4 weeks later.
	Cane canker	Phyalospora corticus	4-6 lbs/100 gal plus spreader/sticker	Apply before fall rains and again 4 weeks later. In the spring during wet weather, apply at 10-14 day intervals beginning at leaf emergence.
Caneberries (blackberries, youngberries, loganberries, red & black raspberries)	Anthrachnose	Gloeosporium allantaporum	2 lbs/100 gal.	Apply when leaf buds open. Repeat when flower buds show white and continue at 10-14 day intervals.
	Bacterial blight	Pseudomonas syringae	2-4 lbs/100 gal.	Apply delayed-dormant spray in the spring and again in the fall.
	Leaf and cane spot Yellow rust	Septoria rubi Kuchncola uredinis Phragmidium rubi-idaei	2-4 lbs/100 gal	Apply delayed-dormant spray in the spring and make a fall application.
Cherries	Brown rot blossom blight Coryneum blight (shot hole) Dead bud	Monilinia spp. Stigmina carpophila Pseudomonas syringae	2-5 lbs/100 gal Dilute: 4-6 lbs/100 gal Concentrate: 8-20 lbs/A	Apply at popcorn to full bloom stage. Apply before heavy rains in the fall and again in dormant/delayed-dormant sprays. If disease is severe, apply a later summer spray after harvest.

7/2

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		
		Mycosphaerella citri		
	Brown rot	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	Cercospora 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		
	Leaf spot	Mycena citricolor	3 1/2-8 lbs/A	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 vaccini		
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.

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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>		
	Downy mildew	<i>Peronospora</i> spp.		
	Cercospora leaf spot	<i>Cercospora</i> spp.		
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, Cabbage, Cauliflower	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.
	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 apii</i>	2-4 lbs/A	Apply by ground or air when disease appears and repeat at 7-14 days intervals.
	Early blight	<i>Cercospora apii</i>		
	Late blight	<i>Septoria apii</i>		

1/2

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

1/12

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.
	Angular leaf spot	Pseudomonas angulata	4-5 lbs/A	Apply on 7-10 day basis when disease appears. Destroy all infected plants.
	Frog eye disease	Cercospora nicotianae	4-5 lbs/A	Apply just before transplanting and when topped.
	Brown spot	Alternaria longipes	4-5 lbs/A	Apply every 7-10 days when disease appears.
	Wildfire	Pseudomonas tabaci	2 lbs/A	Apply every 7 days from seeding to transplanting.
	Blue mold	Peronospora tabacina	2 lbs/A	Apply every 7 days when disease appears.
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		

10/12