

CUPROQUIM CORPORATION  
9601 Katy Freeway, Suite 350  
Houston, Texas, 77024

ACCEPTED

March 20, 1991

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
as amended, for the pesticide  
registered under  
EPA Reg. No. 45002-17

January 15, 1991

## Draft Labeling

to amend label adding additional uses for  
Cuproquim COC WP, and additional brand names.  
(Copper oxychloride)  
EPA Reg. No. 45002-17

**Apples:** Fire blight- Use 2 to 4 lbs per 100 gallons in a full dilute spray apply cover spray. Make first application between silver-tip and green-tip, but do not use after green-tip exceeds 1/2 inch as phytotoxicity may occur. During bloom, apply 1/4 to 1/3 lbs per 100 gallons water as a dilute cover spray. Begin spray at 10% bloom and repeat at 5 day intervals until late bloom is over. In California for fire blight, use only the 1/4 lbs portion of this label use. For European canker - Apply 4 to 5 lbs per 100 gallons and apply by full dilute spray at green tip stage and repeat at 10 and 80% leaf fall and again immediately before winter pruning. **NOTE:** Spraying of fruit on yellow varieties will cause fruit russetting. Non-yellow varieties may differ in susceptibility to copper resulting in russetting or injury.

**Berries:** (Blackberries, Boysenberries, Dewberries, Loganberries, Raspberries): Anthracnose - Apply 4 to 5 lbs per acre. Begin spray when leaf buds begin to open. Repeat when flower buds show white and continue at 10 to 14 day intervals. Leaf and Cane Spot and Yellow rust - In spring sprays use 4 to 5 lbs per acre and apply when leaf buds begin to open and repeat when flower buds show white. Also make a post-harvest spray after pruning; but before fall rains being to fall, using 12 to 15 lbs per acre combined with a spreader-sticker.

**Filbert:** Bacterial Blight - Mix 6 lbs per 100 gallons water dilute spray basis or equivalent rate per acre applied by Concentrate and apply post-harvest in late August or early September before first heavy rain. If heavy fall rains occur, repeat spray after three-quarters of leaves have dropped. If weather conditions require, a spreader-sticker may be added.

**Mangos:** Anthracnose (except California) - Apply 12 to 15 lbs per acre. Add a suitable spreader-sticker such as Nu-Film 17. Begin spray treatment when panicles are about 2 inches long. Repeat weekly until fruit set and then continue sprays monthly through September for a total of 5 to 12 applications depending upon area.

**Olives:** Leaf spot (Peacock, - Use 5 to 6 lbs per 100 gallons and apply in late October.

Note: In areas with 10 inches or less or rainfall per year, use only 2 lbs per 100 gallons. In concentrate sprays apply 12 to 15 lbs per acre in not less than 40 gallons of water, or 6 to 8 lbs per acre in areas with less than 10 inches rainfall per year.

Papaya Anthracnose (except California) - Mix 2 lbs per 100 gallons of water on a dilute spray basis. Addition of a sticker such as Nu-Film 17 is desirable. Begin treatment before rains when disease is expected. Repeat at 10 to 14 day intervals during periods of heavy rainfall.

Pecans: Mosses, Alga, and Lichen - For mosses, alga and lichens mix 6 lbs per 100 gallons spray plus spreader-sticker by dilute spray or equivalent by concentrate and apply in dormant season before buds swell thoroughly wetting limbs and mosses.

Peaches and Nectarines: Use on peaches is already accepted on this label. Add "Nectarines" to this use.

Walnuts: Bacterial blight - Use 4 to 5 lbs per 100 gallons spray on a dilute basis, or equivalent by concentrate spray. Apply in early prebloom (1% pistillate, not catkins blooms showing) and the second when 10 to 20% pistillate (not catkins) blooms are showing. Repeat applications 3 to 4 times as needed.

Strawberries: Downy mildew, Leaf spot - Use 2 to 3 lbs per 100 gallons water. Apply after leaves form and repeat at 10 to 14 day intervals.

#### VEGETABLES AND FIELD CROPS

Beans (green and dry): Angular leaf spot, Anthracnose, Bacterial blight, Downy mildew - Use 2 to 4 lbs per acre. Begin spraying when plants are 5 inches tall or when disease first appears. Repeat at 5 to 10 day intervals as needed.

Beets: Downy mildew, Leaf blights, and Leaf spots - Use 2 to 4 lbs per acre. Apply when disease first appears and repeat at 7 to 10 day intervals as needed.

Onion, garlic, leeks: Purple blotch and Downy mildew - Use 3 to 4 lbs per acre. A spreader-sticker may be added if desired to better wet foliage. Begin spray when plants are 4 to 6 inches high and repeat at 7 to 10 day intervals as needed.

Peppers: Anthracnose, Bacterial spot, Early and Late blights, Cercospora leaf spot (Frogeye spot) Downy mildew - Use 3 to 4 lbs per acre. Start sprays in seedbed or field before disease first appears and usually right after transplanting. Repeat every 7 to 10 days in field and especially during fruiting stages.

Tobacco: Angular leaf spot, damping off, root rot - Use 1/4 to 2/3 lb per 10 gallons water and apply as spray to each 15 yards of bed and repeat every 10 to 14 days. Begin at plant emergence using the lower rate on smaller plants and increase as seedlings grow.

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**ORNAMENTAL PLANTS, HEDGES, AND FOREST TREES**

Asters, Begonias, Carnations, Chrysanthemums, Dahlia, Gardenias, Geraniums, Gladiolus, Hollyhock, Lilies, Marigolds, Nasturtium, Pansies, Peonies, Phlox, Roses, Snapdragons, Sweet peas, Tulips, Violets, and Zinna: Anthracnose, Botrytis blight, Leaf spots, Downy and Powdery mildews. Apply 4 lbs per 100 gallons. Begin spray before disease appears, and repeat every 7 to 10 days as needed and after each rain.

Arbor vitae, Azaleas, Boxwood, Dogwoods, Ivies, Lilacs, Maples, Oaks, Palms, Pines, Rhododendron, and Virginia creeper: Anthracnose, Blights, Leaf spots. Smuts on palms. Apply 4 lbs per 100 gallons. Spray before disease appears and repeat every 7 to 10 days as needed and after each rain.

Poplars: Leaf rust- Apply by full dilute spray just before point of runoff, using 1 2/3 to 2 lbs per 100 gallons water. Make first spray at the first sign of rust pustules. Repeat every 4 weeks as needed to control disease.

Pines: Needle blights including Dothistroma needle blight- In forests, hedges and windbreaks, apply 1.5 to 3 lbs per acre in sufficient water for good coverage. If applied by aircraft equipped with low volume sprayers such as the micronaire adjust droplet size to apply 4 pints per acre or more, applying 1.5 lbs per acre ( 1.66 kg/ Ha) in 1 3/4 pint medium crop oil and add sufficient water to give thorough coverage for disease control. Make application as needles are just emerging. When disease potential is heavy, repeat about 3 weeks later. Repeat at yearly intervals as needed. In nurseries and ornamentals, apply by dilute spray to point of runoff, applying at a rate of 2.5 to 3.5 lbs per 100 gallons water (300 to 420 g/ 100 liters), using above timings and repeat as needed to control disease.

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