

NOW REGISTERED FOR SALE IN CALIFORNIA!

BEST AVAILABLE COPY

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Made in U. S. A.



50 LBS.
(22.7 Kg)
NET

CP-BASIC COPPER TS-53-WP

WETTABLE POWDER AGRICULTURAL FUNGICIDE

Active Ingredient
Copper (as malate)
Inert Ingredients
CP copper sulfate trihydrate

53%
47%

KEEP OUT OF REACH OF CHILDREN

WARNING

Hazards to humans and domestic animals

PRECAUTION: May cause eye damage and skin or nasal irritation. Do not get in eyes or nose, on skin or on clothing. Wear goggles or face shield and rubber gloves when handling. Harmful if swallowed. Avoid contamination of food or water, or drift to other crops or forage.

FIRST AID

In case of contact, immediately flush eyes (under lid) or skin with plenty of water for at least 15 minutes. For eyes, call a physician. Remove and wash contaminated clothing before reuse.

If swallowed, drink promptly a large quantity of milk, egg whites, or gelatin solution. If these are not available, drink large quantities of water. Avoid alcohol. Call a physician immediately.

ENVIRONMENTAL HAZARDS

This product is toxic to fish. Keep out of lakes, streams or ponds.

DIRECTIONS FOR USE — SEE BACK OF BAG

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

STORAGE & DISPOSAL

Prohibition: Keep pesticide only in original container. Do not concentrate water, feed or feed by storage or disposal. Open burning and dumping prohibited. Do not reuse empty container.

Storage: Pesticide or insecticide that cannot be used or chemically reprocessed should be disposed of according to procedures approved by federal, state, or local disposal authorities.

Container or Storage: Consult federal, state, or local disposal authorities for approved procedures.

ACCEPTED
JUN 20 1985
Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under
EPA Reg. No. 35896-01-1



Manufactured by
C P CHEMICALS, INC.



POWDER SPRINGS, GA 30075
SEWAREN, N.J. 07077, USA
ESTABLISHMENT NO. 35896-GA 1
35896-NJ 1

BASIC COPPER TS-53-WP

Copper Sulfate, tribasic Wettable Powder

DIRECTIONS FOR USE

(It is a violation of federal law to use this product in a manner inconsistent with its labeling.)

SPRAY PREPARATION Half-fill spray tank with water. Start agitator, add softener to very hard water to prevent curdling. Add other desired adjuvants. Fill in required amount of Basic Copper TS-53-WP gradually to permit smooth suspension while filling tank with balance of water. Break up any lumps in old stock before adding, or slurry and add through strainer. Keep agitator running during filling and until tank has been emptied to avoid settling. Rinse tank thoroughly.

Recommended Spray Schedules

Quantities are given for conventional spraying having 100 gal tank. Single application limits per acre are shown, for example, 12 lb limit allows 300 gal of 4 lb/100 gal spray per acre, per application.

AGRICULTURAL Fruits and Nuts

ALMONDS For shothole, apply 5 lb plus 1 1/2 gal spreader-sticker/100 gal as fall dormant spray (California Dec 15-Jan 15) repeat in spring at petal fall and jacket stages. For brown rot, use 4 lb/100 gal at redbud and popcorn stages. Limit 30-40 lb/acre. Do not spray after 50% bloom or when trees in leaf. Over-spraying may injure tender foliage.

APPLES - anthracnose: 3 to 4 pounds/100 gallons. For red varieties apply to foliage before or after harvest. For yellow varieties apply to foliage after harvest once every 2 to 3 years as necessary. **Brown rot**: 1 pound plus 2 1/2 pounds hydrated lime/100 gallons. Apply in late cover sprays. **Blister rot, black rot, blotch, powdery mildew**: one half to 1 1/2 pound plus 3 to 5 pounds hydrated lime/100 gallons. Begin at petal fall and repeat through fourth cover spray. **Bull-eye rot**: Use 4 pounds with suitable spray oil/100 gallons of water. Apply after harvest. **Fire blight**: 1/2 to 1/3 pound/100 gallons. 2 pounds/acre in concentrate sprays. Begin at 10 percent bloom. Repeat at 5-day intervals until late bloom is over. **Scab**: 1 to 1 1/2 pound plus 2 1/2 to 3 pounds hydrated lime/100 gallons, or 1/2 pound/100 gallons. Apply at delayed dormant stage. **Beauty blotch**: 1 1/2 pound plus 2 1/2 pounds hydrated lime/100 gallons. Note: Apply in late cover sprays. Under conditions where copper injury is likely to occur, add additional lime. LIMITS: 32 pounds/acre.

APRICOTS For shothole (coryneum blight) use 4 to 8 pounds/100 gallons with 1 1/2 gallon spreader-sticker as fall dormant spray (California Nov 15-Jan 15). Repeat in red bud stage. For brown rot, use 5 pounds/100 gallons at red bud, early bloom, and full bloom. LIMITS: 30 to 40 pounds/acre. Do not spray after petal fall during growing season while trees in leaf. For scab, apply 5 pounds/100 gallons when recommended by State Extension Service Specialists.

AVOCADO For anthracnose, blotch (cercospora), scab, use 3 pounds/100 gallons. Spray first when blossom buds open. Make 5 applications at four-week intervals. LIMITS: 30 to 40 pounds/acre. Do not apply more than 140 days after bloom.

BLACKBERRIES, BOYSENBERRIES, DEWBERRIES, LOGAN BERRIES, RASPBERRIES For leaf and cane spot, use 2 pounds/100 gallons. Spray first when leaf buds swell, again when flowers begin to open. For anthracnose, use 2 pounds/100 gallons. Spray when leaf buds begin to open, again when flower buds show white. Repeat at 10 to 14 day intervals. Post-harvest, after pruning and oldwood removal but before fall rains, apply 8 pounds/100 gallons with 1 to 1 1/2 gallon spreader-sticker as rust dormant spray. LIMITS: 8 pounds/acre for each application.

CHERRIES (sour) - brown rot: 3 to 5 pounds/100 gallons. Apply in red bud to popcorn and late bloom stages. **Leaf spot**: 2 to 5 pounds plus 4 1/2 pounds of hydrated lime/100 gallons. Apply at petal fall and make 1 or 2 postharvest applications. **Shot hole**: 5 pounds/100 gallons. Apply as a dormant spray. LIMITS: 50 pounds/acre. NOTE: Do not apply to sweet cherries or to the English Morelo variety, as severe injury will result.

CITRUS For brown rot, sepioid leaf, fruit spot, apply 1/2 to 1 1/2 pounds plus 4 pounds hydrated lime and 3 pounds zinc sulfate per 100 gallons. Apply before fall rains or at first sign of disease. Spreader-sticker may be added. Use lowest rate in California where copper injury may be a problem or groves are fumigated with hydrogen cyanide. Use highest rate elsewhere. LIMITS: 80 pounds/acre per application.

For greasy spot, melanose, scab, apply 1 1/2-3 pounds/100 gallons in dormant spray before flush begins, repeat at 1/2 petal fall. Same limits apply.

CURRENTS, GOOSEBERRIES - anthracnose, leaf spot: (a) spray with 1 1/2 pounds/100 gallon at leaf opening; repeat at 10-14 day intervals, or (b) apply 8 pounds/100 gallon at full bloom, two weeks later, and after harvest. LIMITS: 14 pounds/acre.

GRAPEFRUIT See Citrus

GRAPES For anthracnose, 2 1/2 pounds/100 gallon on dormant vine in late spring. Repeat every 10 days - two weeks after leaves form. For leaf rot, downy mildew, bitter rot, 2 to 3 pounds plus 2 to 6 pounds hydrated lime/100 gallon spray. Apply when first leaves appear; repeat before blossoms open, after petal fall, and every 10 days thereafter. For bunch rot (botrytis), 2 pounds mixed with 12 1/2 pounds sulfur and zinc sulfate dust/acre, apply at bud set stage; repeat monthly until harvest. For dead arm, use 3 1/2 pounds plus 16 pounds hydrated lime/100 gallon, apply as soon as green tips show. For powdery mildew, apply 5 to 8 pounds in 80 to 85 pounds dust/acre when disease appears. LIMITS: 120 pounds/acre.

KUMQUAT, LEMON, LIME See Citrus

OLIVES - leaf spot (peacock spot, cytosporium), 4 to 8 pounds/100 gallon. Applied in late October. LIMITS: 8 to 12 pounds/acre.

NECTARINES See Peaches

ORANGES See Citrus

PEACHES, NECTARINES For bacterial disease (fire blight) of peaches, leaf curl, shot hole (peach blight), apply dormant spray at 4 pounds/100 gallon plus 1 1/2 gallon spreader-sticker Nov 15 and Dec 15 or before fall rains. For brown rot, blossom blight, apply 4 pounds/100 gallon during pink or red bud to popcorn stages. Do not apply during blossom period or when trees in leaf. OVERSPRAYING MAY CAUSE INJURY TO TENDER FOLIAGE. LIMITS: 18 to 20 pounds/acre.

For control of certain fungal and/or bacterial diseases of fruits, nuts, vegetables, field crops and ornamentals indicated below. Do not apply to any crop not listed on this label. Consult State Experiment Station or State Extension Service Specialists for recommended spray schedules for your local area. Follow a regular schedule of application and spray thoroughly. Do not use with or immediately before or after lime sulfur, ferbam or other disulfocarbamate fungicides.

DO NOT USE THIS PRODUCT UNDILUTED.

DAMAGE TO CROP WILL RESULT.

AGRICULTURE - FIELD CROPS

PEANUTS For leaf spot (cercospora), use 2 to 3 pounds/acre when disease first appears. Addition of sulfur at State-recommended level will improve spot and powdery mildew control. Use lower (2 pounds) rate on small plants. Repeat at 10 to 14 day intervals.

*Consult your county agricultural extension agent for current state recommendations as to amounts of basic copper sulfate and/or sulfur to be used as spray or dust.

SUGAR BEETS For downy mildew, leaf spot (cercospora) - beginning when plants are 4 to 6 inches high (or when disease appears), apply 4 pounds/100 gallons as required to cover. Repeat at 7 to 10 day intervals.

TOBACCO For wildfire, 1 pound in 16 gallon water/100 sq. ft. plant bed. Begin after sowing seed or when plants emerge. Repeat at 5 to 10 day intervals until transplanted.

AGRICULTURAL SEED TREATMENT

WHEAT - sowing smut (Bunt): 2 ounces basic copper sulfate bushel on spring wheat seed; 3 ounces on winter wheat. 1 ounce on infested winter wheat. Apply as a dry mix to seed. DO NOT USE TREATED SEED FOR FOOD, FEED OR OIL PURPOSES.

AGRICULTURAL ORNAMENTAL CROPS & TREES

ARBOR VITAE, ASTERS - blights, leaf spots: 3 to 6 pounds basic copper sulfate/100 gallon or dust as below. Apply to arbor vitae in early fall and repeat in late fall.

IRIS - leaf blights, leaf spots: 3 pounds/100 gallon/acre. Apply at 7 to 10 day intervals.

For diseases on plants listed below, apply 4 pounds of basic copper sulfate/100 gallon, or 4 pounds in a dust/acre. Begin before disease appears. Repeat at 7 to 10 day intervals and after rains.

AZALEAS, BEGONIAS, RHODODENDRONS - leaf blight, leaf scorch, leaf spot (and leaf gall on azaleas).

BOXWOOD - wilt

CARNATIONS, LILIES, TULIPS - botrytis blight

CHRYSANTHEMUMS - botrytis blight, downy mildew, leaf spots

DAHLIAS - botrytis blight, leaf spots

FLOWERING SHRUBS - leaf spots

GARDENIAS, HAWTHORN, MAPLES, MARIGOLDS, PHLOX, STOCK - leaf spots

GERANIUMS - botrytis blight, downy mildew

GLADIOLUS - botrytis blight, downy mildew, leaf spots

GRASSES, lawn (Florida) - gray leaf spot

HOLLYHOCKS - downy mildew, leaf spot

IVIES, PANSIES, VIOLETS, VIRGINIA CREEPER - downy mildew

LILAC - bacterial blight

NASTURTIUMS - anthracnose, leaf spot

PEONIES - botrytis blight, leaf spots

ROSES - anthracnose, black spot, downy and powdery mildews, leaf spots, stem canker

SHRUBS, FLOWERING - leaf spot

RHAPORAGONS - anthracnose, leaf blights, leaf spots

SWEET PEAS - downy mildew, leaf blights, leaf spots

ZINNIAS - botrytis blight, leaf spots, powdery mildew

DOGWOOD - anthracnose, leaf spot. Begin just before bloom. Repeat 2 or 3 times at 10 day intervals.

OAKS - leaf blister (Taphrina) - Apply 1 or 2 times in early spring before growth begins.

PALM - false smut: Spray in wet all foliage and above ground parts. Begin at first sign of disease and repeat as necessary.

PINES - brown spot, needle blight

SHRUBS, FLOWERING - leaf spot

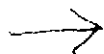
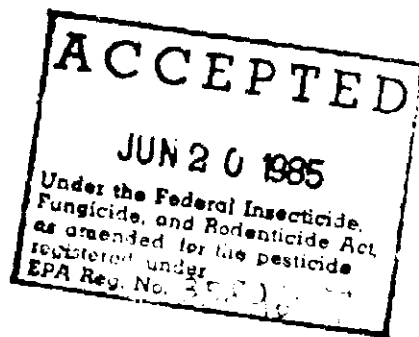
TREE WOUNDS - fungus rots and decay: Apply a pre-emptive containing 4% basic copper sulfate plus 1 1/2% phenol with a "patent" to previously cleaned wound area.

WARRANTY

Product warranted to meet label specifications. Seller's guarantee shall be limited to the terms of the label, and subject thereto the buyer assumes any risk to persons or property arising out of use or handling not in accordance with label directions. Seller accepts the product on these conditions. Nothing herein should be construed as authorization to practice any unexpired patent.

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CP BASIC COPPER TS-53
WP
EPA REG. NO. 35896-7
LABEL AMENDMENT



BEANS, Dry: For anthracnose, common bacterial blight and halo blight, use 2-3 pounds per 100 gallons of water. Begin spray when plants are 5 inches high or when diseases appear. Repeat as necessary at 5 to 10 day intervals. Do not exceed 7½ pounds per acre application. May be applied up to the day of harvest.

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