



KOCIDE CHEMICAL CO.
HOUSTON, TEXAS 77045

Kocide

ACTIVE INGREDIENT	
CUPRIC HYDROXIDE	77%
INERT INGREDIENTS	23%
	100%
(METALLIC COPPER EQUIVALENT	50%)

CAUTION: KEEP OUT OF REACH
OF CHILDREN
HARMFUL IF SWALLOWED.
IF SWALLOWED,
INDUCE VOMITING.
GET MEDICAL
ATTENTION

U.S. PATENT NO. 3,428,731
EPA REG. NO. 8901-1

**WETTABLE POWDER
AGRICULTURAL
FUNGICIDE**

20 LBS. NET

BACK LABEL

KOCIDE® 101 AGRICULTURAL FUNGICIDE

GENERAL INSTRUCTIONS

Use KOCIDE 101 as noted below. KOCIDE 101 is adaptable to spraying from all types of spray equipment. Depending on the equipment used and the particular crop, the volume applied per acre will differ. For dilute high volume sprays use from 250 to 1000 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. No additional surfactants are needed. Add KOCIDE 101 slowly to a spray tank partially filled with water. Spreader-stickers, insecticides, nutrients, etc. should be added last. KOCIDE 101 is compatible with commercially formulated spreader-stickers, oils and such insecticides as Carbyryl, Parathion, Toxaphene and other fungicides. Observe all cautions and limitations on label of all products used in mixtures. Since the number of combinations of pesticide mixtures is very large, it is advisable to apply mixtures as soon as possible.

The following specific instructions are based on general applications. The recommendations of State Agricultural Extension Services should be closely followed as to timing, frequency and number of sprays per season.

STORAGE AND DISPOSAL. Do not contaminate water, food, or feed by storage or disposal. Pesticide, spray mixture, or rinsate that cannot be used or chemically altered should be disposed of according to procedures approved by Federal, State, or Local disposal authorities. Before disposal of container, triple rinse (or equivalent) and dispose of in an approved landfill or bury in a safe place. Consult Federal, State, or Local disposal authorities for approved alternative procedures.

DIRECTIONS FOR USE

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

HOMEOWNER USE

1 level tablespoon of KOCIDE 101 per gallon of water is equivalent to 1 pound per 100 gallons. Make application according to specific instructions given below for those crops where rates are given in pounds hundred gallons. (For example, 2 pounds KOCIDE 101 per 100 gallons are equivalent to 2 level tablespoons KOCIDE 101 per gallon.)

CAUTION— Avoid contact with skin and eyes. In case of skin contact, remove with washing; for eyes, wash with copious amounts of water and get immediate medical attention. This product is toxic to fish. Keep out of lakes, streams or ponds. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from areas treated. Apply this product only as specified on this label.

NOTICE: KOCIDE CHEMICAL CORPORATION warrants that this product in its unopened package conforms to the chemical description on the label and is reasonably fit for the purposes set forth on the label when used according to directions under normal use conditions on the plants and crops specified. **THERE ARE NO OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE.** This warranty does not extend to the handling or use of this product contrary to label instructions or under abnormal conditions, misuse or conditions not intended by the manufacturer, or for damages arising out of the use of this product.

DIRECTIONS FOR USE

ALFALFA

Apply 100 to 150 pounds per acre of 400 to 500 ppm KOD (DE) to alfalfa in the fall or early spring.

ALMONDS

Apply 100 to 150 pounds per acre of 400 to 500 ppm KOD (DE) to almonds in the fall or early spring. Apply 100 to 150 pounds per acre of 400 to 500 ppm KOD (DE) to almonds in the fall or early spring. Apply 100 to 150 pounds per acre of 400 to 500 ppm KOD (DE) to almonds in the fall or early spring.

APRICOTS

Apply 100 to 150 pounds per acre of 400 to 500 ppm KOD (DE) to apricots in the fall or early spring.

AVOCADOS

Apply 100 to 150 pounds per acre of 400 to 500 ppm KOD (DE) to avocados in the fall or early spring. Apply 100 to 150 pounds per acre of 400 to 500 ppm KOD (DE) to avocados in the fall or early spring.

BANANAS

Apply 100 to 150 pounds per acre of 400 to 500 ppm KOD (DE) to bananas in the fall or early spring. Apply 100 to 150 pounds per acre of 400 to 500 ppm KOD (DE) to bananas in the fall or early spring.

BEANS

Apply 100 to 150 pounds per acre of 400 to 500 ppm KOD (DE) to beans in the fall or early spring. Apply 100 to 150 pounds per acre of 400 to 500 ppm KOD (DE) to beans in the fall or early spring.

BLACKBERRIES

Apply 100 to 150 pounds per acre of 400 to 500 ppm KOD (DE) to blackberries in the fall or early spring. Apply 100 to 150 pounds per acre of 400 to 500 ppm KOD (DE) to blackberries in the fall or early spring.

BROCCOLI BRUSSELS SPROUT CABBAGE & CAULIFLOWER

Apply 100 to 150 pounds per acre of 400 to 500 ppm KOD (DE) to broccoli, brussels sprout, cabbage, and cauliflower in the fall or early spring. Apply 100 to 150 pounds per acre of 400 to 500 ppm KOD (DE) to broccoli, brussels sprout, cabbage, and cauliflower in the fall or early spring.

CACAO

Apply 100 to 150 pounds per acre of 400 to 500 ppm KOD (DE) to cacao in the fall or early spring. Apply 100 to 150 pounds per acre of 400 to 500 ppm KOD (DE) to cacao in the fall or early spring.

CANTALOUPE, HONEYDEWS & MUSKMELONS

Apply 100 to 150 pounds per acre of 400 to 500 ppm KOD (DE) to cantaloupe, honeydews, and muskmelons in the fall or early spring.

CARROTS

Apply 100 to 150 pounds per acre of 400 to 500 ppm KOD (DE) to carrots in the fall or early spring.

CELERY

Apply 100 to 150 pounds per acre of 400 to 500 ppm KOD (DE) to celery in the fall or early spring.

CHERRY

Apply 100 to 150 pounds per acre of 400 to 500 ppm KOD (DE) to cherries in the fall or early spring.

CITRUS

Apply 100 to 150 pounds per acre of 400 to 500 ppm KOD (DE) to citrus in the fall or early spring. Apply 100 to 150 pounds per acre of 400 to 500 ppm KOD (DE) to citrus in the fall or early spring.

COFFEE

Apply 100 to 150 pounds per acre of 400 to 500 ppm KOD (DE) to coffee in the fall or early spring. Apply 100 to 150 pounds per acre of 400 to 500 ppm KOD (DE) to coffee in the fall or early spring.

CRANBERRY

Apply 100 to 150 pounds per acre of 400 to 500 ppm KOD (DE) to cranberries in the fall or early spring.

CUCUMBERS

Apply 100 to 150 pounds per acre of 400 to 500 ppm KOD (DE) to cucumbers in the fall or early spring.

CURRENTS & GOOSEBERRY

Apply 100 to 150 pounds per acre of 400 to 500 ppm KOD (DE) to currents and gooseberries in the fall or early spring.

EGGPLANT

Apply 100 to 150 pounds per acre of 400 to 500 ppm KOD (DE) to eggplant in the fall or early spring.

FILBERTS

Apply 100 to 150 pounds per acre of 400 to 500 ppm KOD (DE) to filberts in the fall or early spring.

GRAPES

Apply 100 to 150 pounds per acre of 400 to 500 ppm KOD (DE) to grapes in the fall or early spring. Apply 100 to 150 pounds per acre of 400 to 500 ppm KOD (DE) to grapes in the fall or early spring.

HOPS

Apply 100 to 150 pounds per acre of 400 to 500 ppm KOD (DE) to hops in the fall or early spring.

LETTUCE

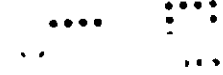
Apply 100 to 150 pounds per acre of 400 to 500 ppm KOD (DE) to lettuce in the fall or early spring.

LIVE OAK

Apply 100 to 150 pounds per acre of 400 to 500 ppm KOD (DE) to live oaks in the fall or early spring.

MANGO

Apply 100 to 150 pounds per acre of 400 to 500 ppm KOD (DE) to mangoes in the fall or early spring.



OLIVES (California) *Phytophthora Spot*. Make first application at 10 pounds per 100 gallons or at 8-12 pounds per acre depending on equipment before winter rains fall. A second application in early spring should be made if disease is severe.

ONION, *Purple Blot*, & *Downy Mildew*. Apply 2 pounds Kocide 101 per acre when plants are 4 to 6 inches high and repeat at 7-10 day intervals.

PEACHES & NECTARINES, *Leaf Curl* & *Coryneum Blight* (Shirley). Dormant application: apply at leaf fall. Dilute. Apply 2-4 pounds per 100 gallons (minimum of 8 lbs. acre). Use 16 pounds per acre when rainfall is very heavy and disease pressure is high. Concentrate. Apply at equivalent rates in approximately 100 gallons of water. May be used with agricultural spray oil. *Brown Rot Blossom Blight*. Apply at 2 or 3 pounds per 100 gallons as a full cover spray at pink bud. (Application at this time also affords some control of *Leaf Curl* and *Coryneum Blight*). *Bacterial Spot*. Dormant application: apply at 2 pounds per 100 gallons. Post bloom: apply 1/2 pound per 100 gallons at first and second cover sprays. Do not spray later than three weeks prior to harvest. Do not use at rates above those recommended. (Caution: Blight, defoliation and spotting of leaves may occur from use in cover sprays).

PEANUTS, *Cercospora Leaf Spot*. Begin spraying 40-45 days after planting or when disease symptoms appear. Make ground application at 1.5 to 3 pounds per acre. For aerial application use 3-4 gallons of water. Continue applications at 10-14 day intervals. Use sufficient water to get adequate coverage. One to two quarts of 6 pound flowable sulfur may be added.

PEARS, *Fire Blight*. Apply at 1/2 to 1 pound per 100 gallons or 1/2 pound per acre at 5 day intervals throughout bloom period. Post bloom: *Fire Blight*. Apply Kocide 101 before fall rains at a rate of 1/4 pound per 100 gallons (300-400 GPA) and again dormant before spring growth starts. Excessive dosages may cause fruit loss.

PEAS, *Powdery Mildew*. Begin spray treatment when disease symptoms first appear. Use at 1.5 to 3 pounds per acre at 7-10 day intervals if disease is severe. Repeat applications at weekly intervals.

PEPPERS, *Phytophthora Spot*. When disease threatens, apply 1 to 3 pounds per acre in sufficient water for adequate coverage at 7-10 day intervals depending on disease severity.

PHILODENDRON, *Bacterial Leaf Spot*. Apply weekly before disease appears at 1/2 pounds of Kocide 101 plus 1/2 pounds of a wettable sulfur product if market is 1/2 to 1/60 of a five percent compound per 100 gallons of water.

POTATOES, *Early Blight*. Apply at 7-10 day intervals starting when plants are six inches high until two weeks prior to harvest. Use 1 to 1 1/2 pounds per acre in those locations where disease is light and up to 3-4 pounds per acre where disease is more severe.

PUMPKIN & SQUASH, *Powdery Mildew*. Begin applications when plants are 3 weeks old or when first disease symptoms appear. Use at weekly intervals at 1.5 to 3 pounds per acre depending on disease severity.

STRAWBERRIES, *Leaf Spot* & *Leaf Blight*. Apply at 2-3 pounds per 100 gallons per acre. Begin application when plants are established and continue on a weekly schedule throughout season. Discontinue applications if signs of phytotoxicity appear.

SUGAR BEETS, *Cercospora Leaf Spot*. Start spray when disease threatens and continue for 4 to 5 applications. Spray 10-14 days depending on weather conditions at 2 to 5 pounds per acre depending on disease severity. Addition of suitable agricultural spray oil is recommended at 2 quarts per acre.

SYCAMORE, *Anthrachnose*. Make two applications using 2-3 pounds per 100 gallons as a full cover spray. Make first application at bud break and second application 7-14 days later at 10% leaf expansion.

TOMATOES, *Early Blight*. When disease threatens, apply 1-3 pounds per acre at 7-10 day intervals. *Bacterial Spot*. Apply at 2 pounds per acre at 10-30 day intervals beginning when the disease threatens. Use more frequent applications when disease pressure is high. *Bacterial Spot*. When disease threatens, apply 2-4 pounds per acre at 10 day intervals, more frequently when disease is severe. May be combined with 1.5 to 2 pounds per acre maneb or coordination product (1.5 to 2 maneb and zinc (8.1) active compound). When maneb or the coordination product is used and maneb is used, do not apply with 10 days of harvest.

WALNUT, *Walnut Blight*. Apply first spray at early pre bloom when joints are partially expanded. Make three additional applications during bloom and early nutlet stage at 7-10 day intervals. Additional applications may be necessary when frequent rainfall occurs. Dilute. Apply 2 pounds per 100 gallons with minimum of 8 lbs. water. Concentrate. Apply at equivalent rate in 50-100 gallons water per acre. End of summer treatments may be added per 100 gallons of water. Do not apply more than 1/2 pound per acre per application.

WATERMELON, *Anthrachnose* & *Downy Mildew*. Apply at seed as plants become established and at weekly intervals thereafter. *Anthrachnose*. Use at 2 pounds per acre. *Downy Mildew*. Use at 1/2 to 3 pounds per acre according to disease severity.

WHEAT AND BARLEY, *Septoria Leaf Blotch* & *Stem Rot*, *Grass Spot Blotch*. Apply 1/2 to 2 pounds per acre. Make first application at early heading and follow with second application 10 days later.



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