

3-28-75

700-65

You Get Results With

**BEST**

# KOCIDE 101

## AGRICULTURAL FUNGICIDE

### Read This Label Carefully

#### ACTIVE INGREDIENT:

\*Cupric Hydroxide ..... 83%

#### INERT INGREDIENTS:

..... 17%

**TOTAL 100%**

\*Copper expressed as elemental 54%

Kocide is a trademark of Kocide Co.

EPA Reg. No. 7001-65-ZA

EPA Est. No. 7001-CA-1

### CAUTION

#### KEEP OUT OF REACH OF CHILDREN

Harmful if swallowed. 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. Do not contaminate water by cleaning of equipment or by disposal of wastes. Apply this product only as specified on this label. Do not reuse container. Destroy when empty.

#### 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 specific crop, the volume applied per acre will differ. For dilute, high volume sprays: use from 25 to 100 gallons of water per acre for vegetable crops, 400 to 800 gallons per acre for fruit orchards and up to 1500 gallons per acre as may be required for large citrus groves. For concentrate ground sprays: apply from 5 to 20 gallons per acre for vegetable crops and 25 to 100 gallons per acre for fruit and nut crops. For aerial spraying: 3 to 15 gallons per acre. 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 Carbaryl, Toxaphene, Parathion, and other fungicides. Observe all cautions and limitations on label of all products used in mixtures.

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

#### DIRECTIONS FOR USE

**FLORIDA AVOCADOS:** *Scab*. Apply when bloom buds begin to swell at 2 lbs. Kocide 101 per 100 gallons or 8 to 10 lbs. per acre depending on equipment. Continue application at monthly intervals for 5 to 6 applications. Follow recommendations of local Agricultural Experiment Stations.

**BANANAS:** *Sigatoka*. Apply by air at 2 lbs. per acre in 3 gallons of water containing 0.5 gallons agricultural oil. Apply on a 14 day schedule throughout the wet season. Apply at 21 day intervals during dry periods. *Black Pitting*. Apply at 4 lbs. per 100 gallons directly to the fruit stem and include the basal portion of the leaf crown. Apply during the first and second weeks after emergence.

**BEANS:** *Bacterial Blight (Halo & Common)*. For protective sprays, apply first application when plants are six inches high. Apply on 7 to 14 day schedule depending on local conditions. Use 1 to 3 lbs. per acre depending on disease severity.

**BLACKBERRIES** (Santiams, Logans, Boysens, Marions, Auroras, Cascades, Chehalems, & Thornless Evergreens). *Leaf & Cane Spot*. Apply delayed dormant spray after training in spring at 4 lbs. plus 1 quart Superior-type oil per 100 gallons. Apply again in late spring at 2 lbs. plus 1 quart Superior-type oil per 100 gallons. Make fall spray applications after harvest using 4 lbs. plus 1 quart Superior-type oil per 100 gallons.

**CANTALOUPEs, HONEYDEWS, MUSKMELONS**. *Downy Mildew*. Apply weekly at 2 lbs. per acre before disease appears.

**CARROTS** *Carrot Blight*. When disease threatens, apply 2 lbs. per acre at 7 to 14 day intervals depending on disease severity.

**CELERY** *Early, Late, & Bacterial Blights*. Apply as soon as plants are first established in the field at 2 lbs. per acre, then every 5 to 7 days depending on severity and weather. One or two quarts of a suitable agricultural spray oil per acre may be used as spreader-sticker.

**CHERRY** *Dead Bud*. Apply 6 lbs. plus 1 quart Superior-type oil per 100 gallons in October before heavy fall rains, and again in January in orchards where the disease is severe. A spray should also be applied in August.

**CITRUS** *Melanose, Scab, Greasy Spot, Pink Pitting*. Apply as pre-bloom and post-bloom sprays. Use 1.75 to 1.5 lbs. Kocide 101 per 100 gallons, depending on disease severity. May be used as concentrate sprays at equivalent rates. For aerial application, use 6 lbs. Kocide 101 per 100 gallons per acre. *Brown Rot*. Use 0.5 to 1 lb. per 100 gallons as dilute spray or at equivalent rate as concentrate spray depending on severity of disease. Begin application in fall before or just after first heavy rains. Apply to skirts of tree to a height of at least 4 feet. Apply also to bare ground one foot beyond skirt. (California only) In areas subject to copper injury, add 1.5 to 1 lb. of high quality lime per pound of Kocide 101.

**COFFEE** *Iron Spot (Cercospora coffeicola), Pink Disease (Corticium salmonicolor)*. Apply at 2 lbs. per acre as a concentrate or dilute spray. Begin treatment at start of wet season and continue at monthly intervals for three applications. *Leaf Rust (Brazil)*. Apply at 3.5 to 5.5 lbs. per acre for average density plantations. High density plantations may require 7 to 8 lbs. per acre. Make application from September to March depending on altitude and local recommendations. Apply at 3 to 4 week intervals, depending on disease severity and rainfall conditions.

**CRANBERRY** *Fruit Rot (Wisconsin only)*. Apply at 8 lbs. per acre beginning in late bloom (mid-July), followed by two additional applications at 10 to 14 day intervals.

**CUCUMBERS** *Angular Leaf Spot, Downy Mildew*. Apply weekly once the plants begin to vine. Use 1.5 to 2 lbs. per acre.

**FILBERTS** *Bacterial Blight*. Apply 4 to 6 lbs. plus 1 quart Superior-type oil per 100 gallons in late August or early September, to seasons of heavy rainfall. Apply another spray when three-fourths of the leaves have dropped.

**LIVE OAK:** *Ball Moss (Texas only)*. Apply at heavy rain, using 1.5 gallons of spray per thoroughly. A second application may be required. **FLORIDA MANGO:** *Anthraxnose*. Apply monthly 101 per 100 gallons or 8 to 10 lbs. per acre. Service for local recommendations.

**CALIFORNIA OLIVES:** *Peacock Spot*. Make first or at 8 to 12 lbs. per acre depending on application in early spring should be made if.

**PEACHES:** *Leaf Curl, Coryneum Blight*. Dormant apply 2 to 3 lbs. per 100 gallons (minimum of 100 lbs. per acre in 100 gallons of water. Use a second application in late dormant may be. *Bacterial Spot*. Dormant application - apply at 1 to 3 lbs. per 100 gallons at first and second weeks prior to harvest. Do not use at rates of leaf burn may occur during cover sprays.

**PEANUTS:** *Cercospora Leaf Spot*. Begin spray when disease symptoms appear. Make ground or aerial application use 3 to 10 gallons of water per acre. Use in sufficient water to get adequate coverage. Kocide 101 is to be blended by dealers and should be blended with 1 lb. of a coordination per 100 gallons of water.

**PEARS:** *Fire Blight (Western U.S.)*. Apply at 0.5 day intervals throughout bloom period. Caution.

**PEPPERS:** *Bacterial Spot*. When disease threatens, apply 2 lbs. per acre at 7 to 14 day intervals depending on disease severity.

**PHILODENDRON:** *Bacterial Leaf Spot*. Apply Kocide 101 plus 1.5 lbs. of a coordination per 100 gallons of water.

**POTATOES:** *Early & Late Blight*. Apply at 7 to 10 lbs. per acre when plants are six inches high until two weeks before harvest. Discontinue application when disease is light and up to 3 to 4 lbs. per acre.

**STRAWBERRIES (Nursery):** *Leaf Spot, Leaf Blight*. Begin application when plants are established throughout the season. Discontinue application when plants are well established.

**SUGAR BEETS:** *Cercospora Leaf Spot*. Start spray at 4 to 5 applications. Spray 10 to 14 days depending on disease severity. Additional applications may be needed at 2 quarts per acre.

**TOMATOES:** *Early Blight, Bacterial Spot*. Early apply 2 to 3 lbs. per acre at approximately 7 to 10 days before first heavy rain. If disease threatens, apply 2 to 4 lbs. per acre at 7 to 10 days before first heavy rain. Should be combined with 1.5 to 2 lb. of Maneb and Zinc (80% active compound).

**WALNUT:** *Walnut Blight*. Apply first spray at expanded. Make three additional applications at 10 day intervals. Additional applications may be needed. Dilute - apply 2 lbs. per 100 gallons water in a minimum of 4 lbs. per acre in 50 to 100 gallons of water. Emulsion may be added per 100 gallons of water per application.

**WHEAT, BARLEY:** *Septoria Leaf Blight, Stem Rust*. Make first application at early heading. Apply again 10 to 14 days later.

## OCCIDENTAL CHEMICAL COMPANY

P O BOX 198 LATHROP CALIFORNIA 95330 PHONE (209) 858-2511

**CONDITIONS OF SALE:** 1. Seller warrants that this product consists of the ingredients specified and is reasonably fit for use as directed on the label. No one, other than an officer of Seller, is authorized to make any other warranty, guarantee or direction concerning this product. 2. Because the time, place, rate of application and other conditions of use are beyond Seller's control, Seller's liability from the handling, storage and use of this product is limited to replacement of product or refund of purchase price.