



KOCIDE CHEMICAL CORPORATION
HOUSTON, TEXAS 77045

Kocide[®] MANEB

ACTIVE INGREDIENT
MANEB (MANGANESE
ETHYLENEBISDITHIO
CARBAMATE) 37%
INERT INGREDIENTS 63%
100%
(METALLIC MANGANESE
EQUIVALENT 7.6%)

CAUTION: KEEP OUT OF REACH
OF CHILDREN
HARMFUL IF SWALLOWED.
KEEP AWAY FROM FIRE
AND SPARKS.

EPA REG. NO. 8901-26

FLOWABLE
AGRICULTURAL
FUNGICIDE
WITH ADDED ZINC

2½ GALLONS

SEE BACK PANEL FOR ADDITIONAL CAUTIONS

ACCEPTED

100R2



KOCIDE^(R) MANEB AGRICULTURAL FUNGICIDE

PRECAUTIONARY STATEMENTS HAZARD TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if swallowed, absorbed through skin or inhaled. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling.

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.

IF ON SKIN: Wash with plenty of soap and water. Get medical attention if irritation persists.

IF INHALED: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

IF IN EYES: Flush with plenty of water. Get medical attention if irritation persists.

ENVIRONMENTAL HAZARDS

CAUTION: This product is toxic to fish. Do not apply directly to water. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from treated areas. Apply this product only as specified on this label.

GENERAL INSTRUCTIONS

Use KOCIDE MANEB as noted below. Pour slowly into spray tank as it is being filled. For concentrate or aircraft sprayers, premix thoroughly in nurse tank. Add nutritional sprays and/or insecticides last. KOCIDE MANEB can be applied alone or in combination with various other pesticides according to recommended spray schedules. Observe all cautions and limitations on labels of all products used in mixtures.

The following specific instructions are based on general applications. The recommendations of the 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 according to label instructions must be disposed of according to applicable Federal, State or Local procedures. Triple rinse (or equivalent). Then offer for recycling or reconditioning, or dispose of in a sanitary landfill, or by incineration if allowed by State or Local authorities.

DIRECTIONS FOR USE AS A SPRAY

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

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 or under conditions not reasonably foreseeable to seller and buyer assumes all risk of any such use.

DIRECTIONS FOR USE (CONTINUED)

ALMONDS, Brown Rot Blight (Blossom & Twig), Leaf Blight & Scab. Use 1.2 to 1.6 quarts per 100 gallons of water. Apply at popcorn, full bloom and petal fall stages or every 7-10 days during staggered bloom. **Coryneum Blight (Shot Hole).** Use 1.2-1.6 quarts beginning in dormant stage and repeating at 7-10 day intervals through petal fall. Do not apply later than 5 weeks after petal fall.

APPLES, Bitter Rot, Black Rot (Fruit & Foliage), Botryosphaeria (White Rot), Bullseye Rot, Cedar Apple Rust, Flyspeck, Scab and Sooty Blotch. Use 1.2 to 1.6 quarts per 100 gallons of water plus suitable spreader sticker. Begin applications at prebloom, calyx or first cover stage followed by repeat applications at 7-14 day intervals as needed.

APRICOTS, Brown Rot (Blossom, Twig & Fruit). Use 1.2-1.6 quarts per 100 gallons water starting at red bud stage. Repeat in early bloom, full bloom, petal fall and at 7-14 day intervals as necessary. Do not apply within two weeks of harvest. **Jackpot (Green) Rot.** Apply 1.6 quarts per 100 gallons of water at full bloom and petal fall. **Coryneum Blight (Shot Hole).** Apply 1.6 quarts per 100 gallons water from dormant through petal fall on a regular schedule. Do not apply within 14 days of harvest.

ASPARAGUS, Rust. Use 2.4 quarts in 50 to 200 gallons of water per acre. In established fields, begin application immediately after harvest and repeat at 10 day intervals as long as rust persists. In young fields which will not be harvested, start application when disease appears and repeat at 10 day intervals. Post harvest application to be made only on established fields.

BANANAS, Cercospora Musae (Sigatoka). Use 2.4-4.0 quarts acre in sufficient volume of water to cover all plant surfaces. Apply at 14 day intervals beginning at initial sign of disease. **Crown Rot & Surface Molds (Fusarium, Gloeosporium & Thielaviopsis Species).** Use 1.6-3.2 quarts. Use five gallons of dilute suspension per 100 trays of fruit as a post harvest spray to the fruit crowns following a water rinse spray or passage through a hydrocooler. Cut crowns may be dipped in the dilute suspension.

BEANS, (Lima) Anthracnose & Downy Mildew. Use 1.2 to 1.6 quarts in sufficient water to obtain good coverage starting at first sign of disease. Repeat applications on 4 to 7 day intervals. Do not apply within 4 days of harvest.

BEANS, (Snap or String) Anthracnose, Downy Mildew & Rust. Use 1.2-1.6 quarts in sufficient water for good coverage. Begin applications when plants are small and repeat on 5 to 7 day intervals. Do not apply within 4 days of harvest.

BROCCOLI, Alternaria Leaf Spot & Downy Mildew. Use 1.2 to 1.6 quarts in sufficient water for good coverage starting application when diseases threaten. **Downy Mildew.** Begin applications in plant bed repeating at 3 day intervals; in field, repeat at 7-14 day intervals. If applied within 3 days of harvest, the residue must be removed by thorough washing or trimming.

BRUSSELS SPROUTS, CAULIFLOWER & KOHLRABI, Alternaria Leaf Spot & Downy Mildew. Use 1.2 quarts per 100 gallons water beginning with first signs of diseases. In plant beds, repeat applications on 3 day intervals and 7 to 10 day intervals in field.

CABBAGE, Alternaria Leaf Spot & Downy Mildew. Use 1.2 to 1.6 quarts in sufficient water starting 7 to 10 days after planting. Repeat applications on 3-5 day intervals both in plant bed and field. Do not apply within 7 days of harvest.

CANTALOUPE, CASSABAS, CRENSHAW'S, HONEYDEW MELONS, HONEY BALLS, MUSKMELONS, PERSIAN MELONS, Anthracnose, Cercospora Leaf Spot, Downy Mildew & Gummy Stem Blight. Use 1.2 to 1.6 quarts per 100 gallons water beginning at late bunching when vines start to run or when disease first threatens. Repeat on 7 to 10 day intervals.

CARROTS, Alternaria & Cercospora Leaf Spots. Use 1.2 to 1.6 quarts per 100 gallons water starting when plants are six weeks old and repeat at 7 to 10 day intervals.

CELERY, Early Blight (Cercospora) and Late Blight (Septoria). Use 1.2 to 1.6 quarts per 100 gallons water beginning when plants emerge in plant beds and repeat at 3 to 5 day intervals. When plants are set in field apply on 7 to 10 day intervals. Remove excess residue by stripping, trimming and washing. Do not apply within 14 days of harvest.

CORN (SWEET), Helminthosporium Blight. Use 1.2 quarts per 100 gallons water starting when plants are six inches high. Repeat applications at 4 to 7 day intervals until harvest. Do not feed treated forage to livestock.

CRANBERRIES, Fruit Rots (Guignardia, Sporoneira & Glomerella) (NEW JERSEY, WISCONSIN). Use 1.6 quarts per 100 gallons of water starting after midbloom. Repeat after 10 to 14 days, again 28 days after midbloom and again after 14-21 days. (MASSACHUSETTS) Use 1.6 to 2.4 quarts per 100 gallons of water starting at midbloom. Repeat at 10-14 day intervals for three applications. **Twig Blight (Lophodermium), Fruit Rots.** (OREGON AND WASHINGTON) Use 1.6 quarts per 100 gallons of water. Apply 350 gallons of spray per acre. Make first application after bloom and repeat between July 10 and 20th, August 1 and 10th, and August 10 and 25th.

CUCUMBERS, Alternaria (Macrosporium) Leaf Spot, Angular Leaf Spot, Anthracnose, Downy Mildew, Pythium Fruit Rot. Use 1.2 to 1.6 quarts per 100 gallons of water starting when disease threatens or plants begin to run. Repeat at 7 and 10 day intervals or, under severe conditions, at 3 to 5 day intervals. Do not apply within 5 days of harvest.

EGGPLANT, Anthracnose, Early Blight (Alternaria), Phomopsis Blight or Fruit Rot. Use 1.2 to 1.6 quarts per 100 gallons water. Start application when fruit starts to form and repeat at 7 to 10 day intervals.

FIGS (KADOTA), Surface Molds and Rot (Alternaria, Cladosporium Species). Use 0.6 quarts per 100 gallons of water. Make single application 10 to 20 days prior to harvest. Do not apply within 10 days of harvest.

GRAPES, Black Rot (GREAT LAKES AREAS). Use 1.2 to 1.6 quarts per 100 gallons of water. Apply just prior to bloom and again 10 days later. Do not apply later than 10 days after bloom. Alternatively 1.4 quarts in sufficient water to cover one acre can be used as needed but do not apply within 7 days of harvest.

LETTUCE, ENDIVE, Downy Mildew. Use 1.2 to 1.6 quarts per 100 gallons of water starting with appearance of disease. Repeat at 7 to 10 day intervals but do not apply within 7 days of harvest. Remove residue from head lettuce by stripping and trimming and from leaf lettuce and endive by washing or other effective means.

NECTARINES, Brown Rot & Shot Hole. Use 1.2 to 1.6 quarts in 100 gallons of water starting at red bud stage. Repeat in early bloom, full bloom, petal fall and at 7 to 14 day intervals up to 2 weeks prior to harvest. Do not apply within 14 days of harvest.

ONIONS, Botrytis Leaf Blight (Blast), Downy Mildew, Purple Blotch. Use 1.2 to 1.6 quarts per 100 gallons of water starting at first sign of disease. Repeat at 7 to 10 day intervals.

PAPAYAS, Anthracnose (Colletotrichum) and Black Spot (Cercospora). Use 1.6 to 2.4 quarts in sufficient water (not less than 50 gallons) to cover per acre. Add 4.0 ounces of a suitable sticker spreader per 100 gallons of spray suspension. Start applications when fruit is set repeating at 10 to 14 day intervals during winter and early spring and every 7 days during wet weather. Direct spray to central column of tree in order to treat developing fruit.

PEACHES, Brown Rot, Scab & Shot Hole. Use 1.2 to 1.6 quarts in 100 gallons of water starting at red bud stage. Repeat in early bloom, full bloom, petal fall and at 7 to 14 day intervals up to 2 weeks prior to harvest. Do not apply within 14 days of harvest. **Leaf Curl.** Use 1.2 to 1.6 quarts per 100 gallons water and apply in spring dormant period. Do not apply within 2 days of harvest and if applied within 14 days of harvest, remove residue by brushing.

PEPPERS, Anthracnose, Cercospora Leaf Spot (Frog-eye Spot) & Ripe Rot. Use 1.2 to 1.6 quarts in 100 gallons of water starting when disease threatens. Repeat at 7 to 10 day intervals.

POTATOES, Early & Late Blights. Use 1.2 to 1.6 quarts per 100 gallons water. Start applications when plants are 2 to 6 inches high. Repeat at 5 to 10 day intervals and more often under severe late blight conditions.

POTATOES, (Seed Pieces) Fusarium Decay. Use 1.0 quart per 100 gallons of water as dip for whole or cut tubers. Spread in cool place if held before planting. Use as seed piece treatment only. Do not use excess seed pieces for food or feed.

PUMPKINS, Angular Leaf Spot, Downy Mildew. Use 2.4 quarts per acre in sufficient water for good coverage or 1.2-1.6 quarts per 100 gallons of water. Begin when disease threatens and repeat at 7 to 10 day intervals.

RHUBARB, (Greenhouse) (MICHIGAN) Botrytis Leaf Rot. Use 1.6 quarts in 100 gallons of water. Starting four weeks before harvest, make 4 applications at 7 day intervals.

SPINACH, Downy Mildew (Blue Mold) & White Rust. Use 1.2 to 1.6 quarts per 100 gallons of water. Begin applications when disease appears and repeat at 7 to 10 day intervals. Do not apply within 7 days of harvest. Remove excess residue by washing.

SQUASH, (Summer & Winter) Anthracnose & Downy Mildew. Use 1.2 to 1.6 quarts in 100 gallons of water beginning when plants start to run. Repeat applications on a 7 to 10 day schedule.

SUGAR BEETS, Cercospora Leaf Spot. Use 1.2 to 2.4 quarts in sufficient water per acre to cover. Start applications when disease threatens repeating on 7 to 10 day schedule for 3 to 5 applications. Do not apply within 14 days of harvest. Do not feed treated tops to livestock.

TOBACCO, Blue Mold. Use 0.4 to 3.2 quarts in 100 gallons of water. Apply 2.5 to 5.0 gallons of diluted suspension per 100 square yards of plant bed. Begin applications when disease threatens or when plant leaves are about 3/4 in. in size. Repeat twice each week until plants are set in field. Use low rate in early applications and increase to 3.2 quarts as plant size increases.

TOMATOES, (Greenhouse & Field) Cladosporium Leaf Mold, Early & Late Blights, Gray Leaf Spot (Stemphylium) & Septoria Leaf Spot. Use 1.2 to 1.6 quarts in 100 gallons of water. Begin applications at first fruit cluster and repeat on 7 to 10 day schedule. **Anthracnose.** Use 2.4 quarts per 100 gallons of water starting with first fruit formation. Repeat on 7 to 10 day schedule. Do not apply within 5 days of harvest.

(continued on back)

BACK LABEL—3

DIRECTIONS FOR USE (CONTINUED)

WATERMELONS, *Anthrachnose, Cercospora, Leaf Spot, Downy Mildew & Gummy Stem Blight*. Use 1.2 to 1.6 quarts per 100 gallons of water beginning at late bunching when vines start to run or when disease first threatens. Repeat on 7 to 10 day intervals. Do not apply within 5 days of harvest.

ORNAMENTAL USES

CARNATIONS AND DAHLIAS, *Alternaria Leaf Spot, Anthracnose, Botrytis Blight*. Use 0.8 to 1.2 quarts per 100 gallons water. Begin when new growth starts. Repeat weekly.

DOGWOOD, *Anthrachnose*. Use 0.8 to 1.2 quarts per 100 gallons water starting when buds open. Repeat application when bracts fall 4 weeks later and in late summer.

GLADIOLUS, *Botrytis Blight, Curvularia and Stemphylium Leaf Spots*. Use 1.2 quarts in 100 gallons water. Begin when flower spikes are developing. Repeat 2 or 3 times at weekly intervals.

GRASSES, (Nongrazed Areas) *Brown Patch*. Use 4.8 fluid ounces in sufficient water to cover 1000 square feet. Begin at first sign of disease and repeat on 7 to 14 day schedule. *Dollar Spot*. Use 9.6 to 12.8 fluid ounces in sufficient water to cover 100 sq. feet. Begin applications at first sign of disease and repeat on 7 to 14 day schedule. *Melting-Out*. Use 4.8 to 6.4 fluid ounces in sufficient water to cover 1000 square feet. Start applications at first sign of disease and repeat on 7

to 14 day schedule. *Leaf, Stem and Stripe Rusts*. Use 2.4 quarts in 100 gallons of water per acre. Start applications when rust pustules are first observed. Repeat at 7 to 14 day intervals. Do not graze treated area and do not feed clippings to livestock.

LILIES, *Botrytis Blight*. Use 0.8 to 1.2 quarts per 100 gallons of water. Start application when new growth appears and repeat weekly.

PANSIES, *Anthrachnose*. Use 0.8 to 1.2 quarts per 100 gallons of water. Start application when new growth appears and repeat weekly.

PEONIES, *Alternaria Leaf Spot, Botrytis Blight and Phytophthora Blight*. Use 0.8 to 1.2 quarts per 100 gallons water. Apply to foliage and soil in early spring and early fall.

ROSES, *Black Spot, Cercospora Leaf Spot (TEXAS), Rust (CALIFORNIA)*. Use 0.8 to 1.2 quarts per 100 gallons of water beginning when first leaves unfold. Repeat at 7 to 10 day intervals.

SNAPDRAGONS, *Rust*. Use 0.8 to 1.2 quarts per 100 gallons water. Begin applications with emergence and repeat weekly.

ZINNIAS, *Alternaria Leaf Spot, Leaf Blights*. Use 0.8 to 1.2 quarts per 100 gallons water. Begin applications at emergence and continue on weekly schedule.

KCC-30882 8/82



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