

# KOCIDE 202 FLOWABLE 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 202 as noted below. KOCIDE 202 is adaptable to spraying from all types of spray equipment. Depending on the equipment used and the specific crop, the volume applied will differ. KOCIDE 202 may be applied with "hose-end" sprayers. Use amount of KOCIDE 202 listed for individual crop to obtain recommended label rates.

**CAUTION:** Direct spray toward plants only. Keep off all other objects as staining could occur. No additional surfactants are needed. Add KOCIDE 202 to spray apparatus partially filled with water. Spreader-stickers, insecticides, nutrients, etc. should be added last. 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 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. Do not reuse empty container. Wrap container and put into trash collection.

## DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Dosage rates on this label indicate ounces per gallon of water. Applications should be made to obtain good coverage — just before point of "run-off".

**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.

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

MAR 18 1983

**ALMONDS, Coryne.** 1 1/2 to 2 fl. ounces before foliage buds. Application should be made before plant injury, do not (Pseudomonas) dormant to early prod.

**APPLE, Anthracnose.** Apply before fall rains. varieties may cause Blight. Apply at 1 1/2 fl. spray. Make applicat. Phytotoxicity may occur green-tip is 1 inch. Mix 2 1/2 fl. ounces per a drench on the low spring or in fall after 5.5 or copper toxicity.

**APRICOTS, Coryne.** Apply at popcorn to avoid spray injury.

**AVOCADOS, Scab.** 1 fl. ounce KOCIDE 202 intervals for 5 to 6. Agricultural Experiment

**BEANS, Bacterial.** Apply first application day schedule depends 1 gallon.

**BLACKBERRIES, C.** Cascades, Chehalis. Apply delayed dorm plus 1 fl. ounce superior at 1 1/2 fl. ounces plus spray application at superior-type oil per

**BROCCOLI, BRUS.** FLOWER, Downy M. gallon at 7 day intervals. monasi & Black Leaf gallon at 7 to 10 day leaves may occur on may occur on cabbage. eases of these crop in the field, or show when conditions favor

**CANTALOUPE, HO.** Apply weekly at 1 1/2 fl.

**CARROTS, Carrot.** Apply 1 1/2 fl. ounces disease severity.

**CELERY, Early Late.** first established in the 7 days depending on

**CHERRY, Dead Bug.** (Shot Hole). Apply 4 fl. rains, and again in late spray should also be. For adequate control spray at popcorn at 1

**CITRUS, Melanose.** pre-bloom, and post-bloom per 1 gallon depends 1 ounce per 1 gallon. Application in fall before or a height of at least 4 skirt. California 1 fl. ounce of high quality

## FUNGICIDE

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## DIRECTIONS FOR USE (CONTINUED)

**ALMONDS.** *Coryneum Blight (Shot Hole) & Blossom Brown Rot.* Use 1 1/2 to 2 fl. ounces KOCIDE 202 per gallon of water in late dormant before foliage buds swell if frequent rainfall occurs. A second application should be made during the early bloom stage (popcorn). To avoid plant injury do not use above rate after full bloom. *Bacterial Blast (Pseudomonas).* Use 2 to 2 1/2 fl. ounces KOCIDE 202 per gallon at dormant to early pink bud.

**APPLE.** *Anthrachnose, European Canker, Pseudomonas Syringae.* Apply before fall rains at 2 to 2 1/2 fl. ounces per gallon. Use on yellow varieties may cause discoloration. To avoid pick before spraying. *Fire Blight.* Apply at 1 1/2 to 2 fl. ounces per gallon of water as a full cover spray. Make application between silver-tip and green-tip. **CAUTION:** Phytotoxicity may occur from late application. (Discontinue use when green tip is 1/2 inch.) *Crown or Collar Rot (Phytophthora Cactotum).* Mix 2 fl. ounces per gallon of water. Apply 4 gallons of suspension as a drench on the lower trunk area of each tree. Apply either in early spring or in fall after harvest each year. Do not use if soil pH is below 5.5 or copper toxicity may result. (EXCEPT CALIFORNIA)

**APRICOTS.** *Coryneum Blight (Shot Hole) & Blossom Brown Rot.* Apply at popcorn to full bloom using 1 1/2 to 2 fl. ounces per gallon. To avoid spray injury do not apply after bloom.

**AVOCADOS.** *Scab.* Apply when bloom buds begin to swell at 1 1/2 fl. ounces KOCIDE 202 per 1 gallon. Continue application at monthly intervals for 5 to 6 applications. Follow recommendations of State Agricultural Experiment Stations.

**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 1/2 to 2 fl. ounces per 1 gallon.

**BLACKBERRIES.** (Sanhams, Logans, Boysens, Marions, Auroras, Cascades, Chehalis & Thornless, Evergreens) *Leaf & Cane Spot.* Apply delayed dormant spray after training in spring at 2 1/2 fl. ounces plus 1 ounce superior-type oil per 1 gallon. Apply again in late spring at 1 1/2 fl. ounces plus 1 ounce superior-type oil per 1 gallon. Make fall spray application after harvest using 2 1/2 fl. ounces plus 1 ounce superior-type oil per 1 gallon.

**BROCCOLI, BRUSSELS SPROUTS, CABBAGE & CAULI-FLOWER.** *Downy Mildew.* Apply 1 1/2 to 2 fl. ounce in a minimum of 1 gallon at 7 day intervals. (CABBAGE ONLY) *Black Rot (Xanthomonas) & Black Leaf Spot (Alternaria).* Apply at 1 1/2 fl. ounces per 1 gallon at 7 to 10 day intervals. **CAUTION:** A slight reddening of older leaves may occur on broccoli and a slight flecking of wrapper leaves may occur on cabbage at the 1 1/2 ounces rate. For control of diseases of these crops, begin applications after transplants are set in the field or shortly after emergence of field-seeded crops or when conditions favor disease development.

**CANTALOUPE, HONEYDEWS & MUSKMELONS.** *Downy Mildew.* Apply weekly at 1 1/2 fl. ounces per gallon before disease appears.

**CARROTS.** *Carrot Blight (Cercospora).* When disease threatens, apply 1 1/2 fl. ounces per gallon 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 1 1/2 fl. ounces per gallon, then every 5 to 7 days depending on severity and weather.

**CHERRY.** *Dead Bud (Pseudomonas Syringae) & Coryneum Blight (Shot Hole).* Apply 4 fl. ounces per gallon 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. *Brown Rot Blossom Blight.* For adequate control apply 1 1/2 to 2 fl. ounces per gallon as a full cover spray at popcorn and full bloom.

**CITRUS.** *Melanose, Scab, Greasy Spot & Pink Pitting.* Apply as pre-bloom and post bloom sprays. Use 1 1/2 to 2 fl. ounce KOCIDE 202 per 1 gallon depending on disease severity. *Brown Rot.* Use 1 1/2 to 2 fl. ounce per 1 gallon depending on severity of disease. Begin application in fall before or just after first heavy rains. Apply to skirts of trees to a height of at least 4 feet. Apply a second bare ground one foot beyond skirt. (California only. In areas subject to copper injury add 1 to 1 1/2 ounce of high quality lime per 1 ounce of KOCIDE 202.)

**CUCUMBERS.** *Angular Leaf Spot & Downy Mildew.* Apply weekly once the plants begin to vine. Use at 1 to 1 1/2 fl. ounces per gallon.

**CURRENTS & GOOSEBERRY.** *Leaf Spot.* Make three applications of KOCIDE 202 at 6 1/2 fl. ounces per gallon, starting after harvest, before bloom and after petal fall.

**EGGPLANT.** *Alternaria Blight, Anthracnose, Phomopsis.* Use 1 1/2 fl. ounces KOCIDE 202 per gallon before disease appears. Repeat at 7 to 10 day intervals. (EXCEPT CALIFORNIA)

**FILBERTS.** *Bacterial Blight.* Apply 2 1/2 to 4 fl. ounces plus 1 ounce superior type oil per 1 gallon in late August or early September. In seasons of heavy rainfall, apply another spray when three fourths of the leaves have dropped.

**GRAPES.** *Black Rot, Powdery Mildew & Downy Mildew.* Apply 1 1/2 fl. ounces KOCIDE 202 plus 1 to 3 ounces hydrated lime per gallon. Use KOCIDE 202 for the last one or two late summer applications following early season application of another fungicide. Follow State schedule for exact timing. **CAUTION:** Slight to severe foliage injury may occur on copper-sensitive varieties such as Concord, Delaware, Niagara and Rosette.

**LETTUCE.** *Downy Mildew.* Apply 1 1/2 to 2 fl. ounces KOCIDE 202 per gallon. Begin treatment when disease first appears and repeat every 7 to 10 days as needed to suppress disease.

**MANGO.** (Florida) *Anthrachnose.* Apply monthly after fruit set until harvest at 1 1/2 fl. ounces KOCIDE 202 per gallon. Consult Extension Service for State recommendations.

**OLIVES.** (California) *Peacock Spot.* Make first application at 1 1/2 to 2 fl. ounces per gallon before winter rains fall. A second application in early spring should be made if disease is severe.

**ONION.** *Purple Blotch & Downy Mildew.* Apply 1 1/2 fl. ounces KOCIDE 202 per gallon when plants are 4 to 6 inches high and repeat at 7 to 10 day intervals.

**ORNAMENTALS.** Apply KOCIDE 202 as a thorough coverage spray using 1 1/2 fl. ounces per 1 gallon of water unless other rates are specified. Begin application at first sign of disease and repeat as needed, use shorter interval during periods of frequent rains or when severe disease conditions persist.

**ARALIA.** *Xanthomonas & Cercospora Leaf Spot, Alternaria*

**AZALEA.** *Cercospora Leaf Spot, Botrytis Blight, Phytophthora Diaback & Powdery Mildew*

**BEGONIA.** *Xanthomonas Leaf Spot, Anthracnose*

**BULBS (EASTER LILY, TULIP, GLADIOLUS).** *Botrytis Blight*

**CARNATION.** *Alternaria Blight, Pseudomonas Leaf Spot & Botrytis Blight*

**CHRYSANTHEMUM.** *Septoria Leaf Spot & Botrytis Blight*

**COTONEASTER.** *Botrytis Blight*

**EUONYMUS.** *Botrytis Blight, Anthracnose*

**IVY.** *Xanthomonas Leaf Spot*

**LIVE OAK.** *Bark Moss (Texas only).* Apply at 4 fl. ounces per gallon of water in spring after heavy rain, using 1 1/2 gallons of spray per foot of tree height. Make sure to wet tufts thoroughly. A second application may be required after 12 months.

**PACHY SANDRA.** *Voluella Leaf Blight*

**PERIVINKLE.** *Phomopsis Stem Blight*

**PHILODENDRON.** *Bacterial Leaf Spot.* Apply weekly before disease appears at 1 1/2 ounce per gallon plus manufacturer's recommended amount of mancozeb.

**PYRACANTHA.** *Fire Blight, Scab*

**ROSE.** *Powdery Mildew, Black Spot*

\*Discoloration of foliage and/or blooms has been noted on some varieties. Spray deposits may be removed by washing.

(continued on back)

## DIRECTIONS FOR USE (CONTINUED)

**SYCAMORE, Anthracnose.** Make two applications using 1 1/4 to 2 fl. ounces per gallon as a full cover spray. Make first application at bud crack and second application 7 to 14 days later at 10% leaf expansion.

**YUCCA (ADAM'S NEEDLE), Cercospora & Septoria Leaf Spot.**

**CAUTION:** Phytotoxicity may depend on varietal differences. If unfamiliar with the use of KOCIDE 202, apply the recommended rate to a few plants and observe after 7 to 10 days for symptoms of phytotoxicity.

**PEACHES & NECTARINES, Leaf Curl & Coryneum Blight (Shot Hole).** Dormant application: apply at leaf fall. Apply 1 1/4 to 2 1/2 fl. ounces per gallon. May be used with agricultural spray oil. **Brown Rot Blossom Blight.** Apply at 1 1/4 to 2 fl. ounces per gallon 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 1 1/4 fl. ounces per gallon. Post-bloom, apply 1 1/2 fl. ounce per gallon 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: Slight defoliation and spotting of leaves may occur from use in cover sprays.)

**PEARS, Fire Blight.** Apply at 1 1/2 fl. ounce per gallon at 5 day intervals throughout bloom period. **Pseudomonas Blight.** Apply KOCIDE 202 before fall rains at a rate of 2 to 2 1/2 fl. ounces per gallon and again at dormant before spring growth starts. Excessive dosages may cause fruit russet.

**PEAS, Powdery Mildew.** Begin spray treatment when disease symptoms first appear. Use 1 to 2 fl. ounces per gallon according to disease severity. Repeat applications at weekly intervals.

**PEPPERS, Bacterial Spot.** When disease threatens, apply 1 1/2 to 2 fl.

ounces per gallon for adequate coverage at 7 to 14 day intervals depending on disease severity.

**POTATOES, Early & Late Blight.** Apply at 7 to 10 day intervals starting when plants are six inches high until two weeks before harvest. Use 1 1/4 to 1 fl. ounce per gallon in those locations where disease is light and up to 2 to 2 1/2 fl. ounces per gallon 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 to 2 fl. ounces per gallon depending on disease severity.

**STRAWBERRIES, Leaf Spot & Leaf Blight.** Apply at 1 1/4 to 2 fl. ounces per gallon. Begin application when plants are established and continue on a weekly schedule throughout season. Discontinue applications if signs of phytotoxicity appear.

**TOMATOES, Early Blight.** When disease threatens apply 1 1/4 to 2 fl. ounces per gallon at 7 to 10 day intervals. **Bacterial Speck.** Apply at 1 1/4 fl. ounces per gallon at 10 to 30 day intervals beginning when the disease threatens. Use more frequent applications when disease pressure is high. **Bacterial Spot.** When disease threatens, apply 1 1/4 to 2 1/2 fl. ounces per gallon at 7 to 10 day intervals, more frequently when disease is severe. May be combined with maneb or mancozeb; if combined do not apply within five days of harvest.

**WALNUT, Walnut Blight.** Apply first spray at early pre-bloom when catkins are partially expanded. Make three additional applications during bloom and early nutlet stages at 7 to 10 day intervals. Additional applications may be necessary when frequent rainfall occurs. Apply 1 1/4 fl. ounces per gallon.

**WATERMELON, Anthracnose & Downy Mildew.** Apply as soon as plants become established and at weekly intervals thereafter. **Anthracnose.** Use at 1 1/4 fl. ounces per gallon. **Downy Mildew.** Use at 1 to 2 fl. ounces per gallon according to disease severity.



**KOCIDE CHEMICAL CORPORATION**  
HOUSTON, TEXAS 77045

<p>U.S. ENVIRONMENTAL PROTECTION AGENCY DEPARTMENT OF AGRICULTURE WASHINGTON, D.C. 20510</p> <p><b>NOTICE OF PESTICIDE:</b></p> <p><i>Under the Federal Insecticide, Fungicide, and Rodenticide Act</i></p>	<p>EPA REGISTRATION NO.</p>	<p>DATE OF ISSUANCE 18</p>
<p>NAME AND ADDRESS OF REGISTRANT (Print Name)</p>	<p>TERM OF ISSUANCE</p> <p>NAME OF PESTICIDE PRODUCT</p>	
<p><b>NOTE:</b> Changes in labeling for a pesticide substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.</p>		
<p>On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.</p>		
<p>A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.</p>		
<p>Registration is in no way to be construed as an endorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, in his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.</p>		
<p><input type="checkbox"/> ATTACHMENT IS APPLICABLE</p>		
<p>SIGNATURE OF APPROVING OFFICIAL</p>	<p>DATE</p>	