



KOP 300

Flowable Copper Fungicide

ACTIVE INGREDIENT:

*Copper (Expressed as Metallic) 23.85%

INERT INGREDIENT: 76.15%

TOTAL: 100.00%

This product contains 3 pounds of Metallic Copper per gallon.

*Copper source is Basic Copper Sulfate.

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

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 IN EYES: Immediately flush eyes with plenty of water and get medical attention.

IF ON SKIN: Immediately remove contaminated clothing, INCLUDING SHOES, and wash skin with soap and plenty of water. If irritation develops, send for a physician.

See Side Panel For Additional Precautionary Statements.

EPA Reg. #19713-81

EPA Est. #19713-MS-1

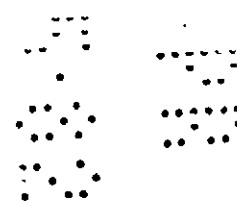
NET CONTENT:

MANUFACTURED BY: Drexel Chemical Company
P.O. Box 9306
Memphis, Tenn. 38109

ACCEPTED
with COMMENTS
in EPA Label Book

NOV 29 1982

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, this pesticide
registered under EPA Reg. No.
19713-81



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Precautionary Statements

HAZARDS TO HUMANS AND DOMESTIC ANIMALS.

CAUTION: HARMFUL IF SWALLOWED. Avoid Breathing of Spray. Do Not Take Internally. Avoid Contact with Skin and Eyes. Causes (moderate) eye injury (irritation). Wear regular long-sleeved work clothing. Change to clean clothing daily. Wash hands and face before eating. Wash thoroughly after handling.

ENVIRONMENTAL HAZARDS

Do not apply directly to water. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water by cleaning of equipment or disposal of waste.

PHYSICAL OR CHEMICAL HAZARDS

Do not use, pour, spill or store near heat or open flame.

GENERAL INFORMATION

Mixing Directions & Recommendations: KOP 300 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 most 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 most vegetable crops and 25 to 100 gallons per acre for fruit and nut crops. For aerial spraying, 3 to 15 gallons per acre are commonly used. No additional surfactants are needed. Fill the spray tank approximately $\frac{1}{2}$ full of water and with agitator running, add the required amount of KOP 300. Fill the spray tank and keep agitator running until spraying is completed. Spreader-stickers, insecticides, nutrients, etc. should be added last. KOP 300 is compatible with commercially formulated spreader-stickers, oils and such insecticides as Carbaryl, Parathion and other fungicides. Observe all cautions and limitations on the labels of all products used in mixtures.

Where a range of dosages is indicated use the lower rate for mild infestations and the higher rate for heavy infestations.

Directions for Use:

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

FRUITS AND NUTS

ALMONDS: Brown Rot and Shot Hole - conventional dilute spray - use $\frac{1}{3}$ - $\frac{1}{2}$ gallon in 100 gallons water and apply 350 to 400 gallons per acre. Bud sprays for control of Brown Rot and Shot Hole should be applied at pink bud through popcorn stage. Do not spray after trees are in leaf. As a dormant spray for control of Shot Hole and Brown Rot, apply December 15 to January 15. Concentrate sprayers - use $\frac{5}{6}$ - 1 gallon and apply as above in 25 to 50 gallons water per acre.

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Note: use 1 gal. per acre through swelling buds and 5/6 gallon per acre in popcorn stage. With aerial spray during the dormant season for control of Shot Hole and Brown Rot, apply 1 1/3 - 2 gal. per acre in 20 gallons of water.

APRICOTS: Brown Rot and Shot Hole - conventional dilute spray - use 1/3 - 1/2 gallon per 100 gallons water. As a dormant spray for control of Shot Hole disease apply November 15 to January 15. Bud sprays for control of Brown Rot should be applied through swelling buds and popcorn stage. Do not spray when trees are in leaf. Concentrate spray - use 1 - 1 1/6 gallon per acre and apply as above. Note: Use 1 1/6 gallons per acre through swelling buds and reduce to 1 gal. in popcorn stage. When bud blight is a problem, apply the maximum rate shown above after most of leaves have fallen in the fall usually November and December but ahead of fall rains.

AVOCADOS: Anthracnose, Blotch, and Scab - use 1/3 gallon per 100 gallons water. Begin treatment when blossom buds open. Repeat at 4 week intervals for a total of 5 applications. Do not apply later than 140 days after bloom.

BERRIES: (Blackberries, Boysenberries, Dewberries, Loganberries, Raspberries): Anthracnose - use 1/3 gallon per 100 gallons of water. Begin spray when leaf buds begin to open. Repeat when flower buds show white and continue at 10 to 14 day intervals. Leaf and Cane Spot and Yellow Rust - in spring sprays use 1/3 gallon per 100 gallons of water and apply when leaf buds begin to open and repeat when flower buds show white. Also make a postharvest spray after pruning, but before fall rains begin to fall use 2/3 gallon per 100 gallons of water.

CHERRIES (Sour): Brown Rot, Blossom Blight - use 2/3 - 5/6 gallon per 100 gallons water. Apply at popcorn and late bloom stages. In late bloom spray add 5 lbs. hydrated lime per 100 gallons spray. For Leaf Spot apply 2/3 - 5/6 gallons plus 5 lbs. hydrated lime per 100 gallons applied at petal fall. For Shot Hole - use 2/3 - 5/6 gallons per 100 gallons water and apply as dormant spray.

CITRUS: Brown Rot - use 1 1/3 pints per 100 gallons water. Apply at first indication of rain or first appearance of Brown Rot. Repeat as needed to protect during wet weather. For Melanose, Scab, Greasy Spot and Pink Pitting of grapefruit - use 1 - 2 pints per 100 gallons water by dilute spray. With aerial or concentrate sprayers apply 1 2/3 - 4 1/3 gallons per acre diluted to the proper concentration with water as recommended for the specific type sprayer used. Do not use less than 10 gallons of spray per acre. For Scab control make two applications, one just before trees begin to flush and repeat at 2/3 petal fall. For Melanose control apply 1 to 3 weeks after petal fall. Repeat 4 weeks later if necessary. For Greasy Spot and Pink Pitting make a summer spray about July 15. Sulfur may be included in sprays for Melanose and Scab. CAUTION: Do not apply in areas where copper injury is known to occur.

GRAPES: Anthracnose, Black Rot, Downy Mildew - dilute spray - use 1/6 gallon per 100 gallons water. Make first application when new growth is 1/2 inch long and repeat every 10 to 14 days. Concentrate spray - use 1/3 to 1/2 gallon per acre in sufficient water for good coverage and apply as stated above.

OLIVES: Leaf Spot (Peacock Spot) - use 1/3 - 1/2 gallon per 100 gallons of water and apply in late October. Note: In areas with 10 inches or less rainfall per year, use only 1/6 gallon per 100 gallons. Concentrate sprays - use 1 gallon per acre in not less than 40 gallons water. Read and follow above note on rainfall limitation.

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PEACHES & NECTARINES: Brown Rot, Peach Blight (Shot Hole) and Leaf Curl - dilute spray - use $1/3 - 1/2$ gallon per 100 gallons. Concentrate spray - use $1 - 1\frac{1}{3}$ gallons per acre in 25 to 50 gallons water per acre. As a dormant spray for Leaf Curl and Peach Blight (Shot Hole) apply November 15 to December 15 before fall rains begin. Bud sprays for Brown Rot and Peach Blight (Shot Hole) should be applied before bud swell and in full pink bud stage. Do not apply after pink bud or after trees are in leaf as injury may occur. Note: To control Leaf Curl application must be made before the foliage buds swell. Consult your State Agricultural Experiment Station. California only: For Blight and Leaf Curl control, $1\frac{1}{3}$ gal. - $1\frac{2}{3}$ gal. in 20 gallons water may be applied by aircraft to one acre during the dormant season. For Peach Bacterial diseases apply $1/3$ gallon per 100 gallons water plus sticker and apply during dormant season.

PEARS: Fire Blight - use $5\frac{1}{3}$ ozs. per 100 gallons water. Apply 400 gallons per acre to give $1/2$ lb. metallic copper per acre. Concentrate spray - use $1/6$ gallon per acre in sufficient water for good coverage. Apply at 10% bloom and repeat at 5 to 7 day intervals during bloom. Do not use on D'Anjon, Comice, or Seckel varieties.

PLUMS & PRUNES: Brown Rot, Shot Hole - use $1/3 - 1/2$ gal. per 100 gallons water. For Shot Hole control apply as a dormant in November or December before heavy fall rains begin. For Brown Rot control apply at early green bud and full popcorn stages. Concentrate spray - use 1 gallon in 25 to 50 gals. water and apply to one acre. California Only: For aircraft spray to control Shot Hole and Brown Rot Blossom Blight apply $1\frac{1}{3} - 1\frac{2}{3}$ gallons of water and apply to one acre during dormant season.

WALNUTS: Blight - use $1/3 - 1/2$ gallon per 100 gallons water, make two treatments, the first in early prebloom (1% pistillate, not catkin, blooms showing) and the second when 10 to 20% pistillate, not catkin, blooms are showing. Repeat applications for blight control 3 or 4 times during growing season if necessary.

STRAWBERRIES: Leaf Spot - use $1/3 - 1/2$ gallon per 100 gallons of water. Apply prebloom and postbloom.

CAUTION: Overspraying may cause injury to tender foliage of peaches, almonds, apricots and some Japanese plums.

VEGETABLE AND FIELD CROPS

MIXING INSTRUCTIONS: Mix recommended amount of KOP 300 given for one acre in sufficient water for good coverage. With dilute ground sprayer, generally apply 100 to 150 gallons spray per acre. With concentrate sprayer generally apply 20 to 50 gallons spray per acre. With aerial sprayers generally apply 5 to 10 gallons spray per acre, but do not apply less than 5 gallons spray mixture per acre. Consult the manufacturer for recommended water volumes per acre for a given sprayer.

BEANS (Green and Dry): Angular Leaf Spot, Anthracnose, Bacterial Blight, Downy Mildew - use $1/6 - 1/2$ gallon per acre. Begin treatment when plants are about 5 inches tall and repeat at 5 to 7 day intervals.

BEETS: Downy Mildew, Leaf Blights, Leaf Spots - use $1/3$ gallon per acre. Begin when disease first appears and repeat every 7 to 10 days.

SUGAR BEETS: Cercospora Leaf Spot - use $2/3$ gallon per acre. Begin when disease first appears and repeat 7 to 10 days.

BROCCOLI, CABBAGE, CAULIFLOWER: Downy Mildew, Leaf Spots - use $1/3$ gallon per acre. Begin when plants are above ground in plant bed or before disease normally appears. Repeat at 7 to 10 day intervals and plant bed and field.

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CARROTS: Downy Mildew, Cercospora and Alternaria Leaf Blights - use 1/3 gallon per acre. Begin treatment when disease first appears and repeat at 7 to 10 day intervals.

CELERY: Bacterial Blight, Early and Late Blight - use 1/3 gallon per acre. Treat every 7 days after emergence.

CUCURBITS: (Cantaloupes, Cucumbers, melons, Pumpkins, Squash): Angular Leaf Spot, Anthracnose, Alternaria Leaf Spot, Bacterial Wilt, Downy and Powdery Mildews, Gummy Stem Blight, Leaf Spot, Scab - use 1/3 gallon per acre. Begin treatment when plants begin to vine and repeat every 7 to 10 days. Since the disease is likely to be more serious in high plant populations (40,000 or more plants per acre) spray every 3 to 4 days to protect fruit at all stages of development. Note: A ground application after planting, but before emergence, may help decrease infections of Angular Leaf Spot, Anthracnose and Alternaria Leaf Spot. Then follow above schedule after emergence.

Note: Some Agricultural Experiment Stations recommend equal amount of hydrated lime when used on cucurbits. Lime when applied to cucurbits may cause dwarfing of plants and reduce fruit set due to increased transpiration and defloration under some conditions. Consult your local Experiment Station for specific recommendations.

EGGPLANT: Alternaria Blight, Anthracnose, Phomopsis - use 1/3 gallon per acre. Begin in plant bed or in field before disease appears. Repeat at 7 to 10 day intervals.

ONION: Purple Blotch (California Only) and Downy Mildew - use 1/3 gallon per acre. Begin when plants are 4 to 6 inches and repeat at 7 to 10 day intervals.

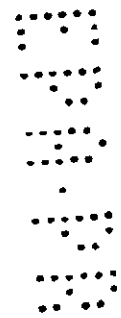
PEPPERS: Anthracnose, Bacterial Spot, Early Blight, Cercospora Leaf Spot (Frogeye Spot), Downy Mildew - use 1/3 gallon - 1/2 gallon per acre. Start sprays in seedbed and continue in field at 7 day intervals. Note: Disease control is critical during fruiting.

POTATOES: Early and Late Blights - use 1/2 - 2/3 gallon per acre. Begin when plants emerge and repeat at 7 to 10 day intervals.

PEANUTS: Cercospora Leaf Spot - use 1/4 - 1/2 gallon per acre. Repeat at 10 - 14 day intervals. Note: The addition of 2 lbs. flowable sulfur in a tank mix will enhance leaf spot control.

SPINACH: Anthracnose, Cercospora Leaf Spot, Downy Mildew, White Rust - use 1/3 gallon per acre. Begin when disease first appears. Repeat at 7 to 10 day intervals.

TOMATOES: Anthracnose, Bacterial Spot, Bacterial Canker (Southeastern States Only), Early and Late Blight, Leaf Mold, Nailhead Rust, Septoria and Stemphylium Leaf Spot - use 1/3 - 1/2 gallon per acre. Begin in seedbed or field before disease appears. Repeat at 7 to 10 day intervals. Note: While the labeled rate is particularly effective against Bacterial Spot, a tank mix with Maneb used at the labeled rates, controls a broad range of tomato diseases. Observe all cautions and limitations on the label of all products used in mixtures.



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**STORAGE
AND
DISPOSAL**

Do not contaminate water, food, or feed by storage, disposal or cleaning of equipment.

PESTICIDE DISPOSAL:

Pesticide, spray mixture, or rinse water that cannot be used according to label instructions must be disposed of according to applicable Federal, state, or local procedures.

CONTAINER DISPOSAL:

Triple rinse (or equivalent). Then offer for recycling or reconditioning, or dispose of in a sanitary landfill, or by incineration if allowed by state and local authorities.

WARRANTY - CONDITION OF SALE:

OUR RECOMMENDATIONS FOR USE of this product are based upon tests believed reliable. Follow directions carefully. Timing and method of application, weather and crop conditions, mixtures with other chemicals not specifically recommended, and other influencing factors in the use of this product are beyond the control of the seller. Buyer assumes all risks of use, storage and handling of this material not in strict accordance with directions given herewith.

In no case shall Drexel or the Seller be liable for consequential, special or indirect damages resulting from the use or handling of this product when such use and/or handling is not in strict accordance with directions given herewith. The foregoing is a condition of sale by Drexel Chemical Company and is accepted as such by the Buyer.

<p align="center">U.S. ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (WH-567) WASHINGTON, D.C. 20460</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 2px;">EPA REGISTRATION NO. 161</td> <td style="width: 50%; padding: 2px;">DATE OF ISSUANCE NOV 29 1982</td> </tr> <tr> <td colspan="2" style="padding: 2px;">TERM OF ISSUANCE</td> </tr> <tr> <td colspan="2" style="padding: 2px;">NAME OF PESTICIDE PRODUCT</td> </tr> </table>	EPA REGISTRATION NO. 161	DATE OF ISSUANCE NOV 29 1982	TERM OF ISSUANCE		NAME OF PESTICIDE PRODUCT	
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<p>NOTICE OF PESTICIDE: <input checked="" type="checkbox"/> REGISTRATION <input type="checkbox"/> REREISTRATION (Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended)</p>	<p>NAME AND ADDRESS OF REGISTRANT (Include ZIP code)</p> <div style="text-align: right; margin-right: 50px;"> $\frac{161}{18} \quad \frac{83246}{1}$ </div> <p style="margin-left: 40px;">Drexel Chemical Company P.O. Box 930 2467 Pennsylvania St. Ardmore, PA 19010</p>						
<p>NOTE: Changes in labeling formula differing in 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 indorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on 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>This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:</p> <ol style="list-style-type: none"> 1. Submit any/or data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data. 2. Add the phrase "EPA Registration No. 161/18-83246" to your label before you release the product for shipment. 3. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the x-79 enclosure for a further description of final printed labeling. <p>It is these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.</p> <p>A stamped copy of the label is enclosed for your records.</p> <div style="text-align: right; margin-top: 20px;"> Henry A. Jacob Product Manager (11) Registration Division (WH-567) </div>							
<p><input type="checkbox"/> ATTACHMENT IS APPLICABLE</p>							
<p>SIGNATURE OF APPROVING OFFICIAL</p> <p style="text-align: center;"><i>[Signature]</i></p>	<p>DATE</p> <p style="text-align: center;">11/29/82</p>						