

19713-509

7/5/2011

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

Luz Chan
Drexel Chemical Company
PO Box 13327
Memphis, TN 38113-0327

JUL 05 2011

Subject: KOP-AM Complex – Liquid Fungicide Spray
EPA Registration No. 19713-509
Decision No. 446464
Submission Date: March 2, 2011
Labeling Amendment

Dear Ms Chan:

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended is acceptable provided you make the following changes:

1. For Commercial/Agricultural Crop Fungicide and Wood Treatment Use Label
 - a. Environmental Hazards Statement
 - i. Pg 1 – Please update the statement to read:
 1. “This pesticide is toxic to fish and aquatic invertebrates and may contaminate water through runoff. This product has a potential for runoff for several months or more after application. Poorly draining soils and soils with shallow water tables are more prone to produce runoff that contains this product. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsate.”
 - b. Fruit and Nut Crops table
 - i. Pg 4 – “Filberts” section;
 1. Please revise the notice underneath the “Filberts” heading from “(OR and WA only)” to “(Permitted in OR and WA only)”
2. Intended for Home and Garden Use label
 - a. Pg 12 - Before the “Environmental Hazards” section please insert the “User Safety Recommendations” box as seen on the “For hose end applicator” label
 - b. Entry Restriction
 - i. Pg 12 – Please delete “Do not enter or allow others to enter the treated area until sprays have dried” and revise statement to read “Do not allow adults, children, or pets to enter the treated area until sprays have dried.”

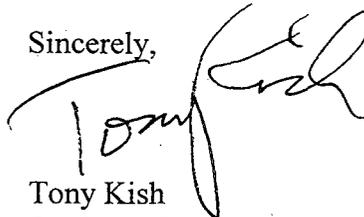
3. For Hose End Applicator label

a. Entry Restriction

- i. Pg 18 – Please delete “Do not enter or allow others to enter the treated area until sprays have dried” and revise statement to read “Do not allow adults, children, or pets to enter the treated area until sprays have dried.”

Submit one copy of your final printed labeling before you release the product for shipment. A copy of the labeling stamped “Accepted with Comments” is enclosed for your records. If you have any questions, please contact Dominic Schuler at (703) 347-0260 or via email at schuler.dominic@epa.gov.

Sincerely,



Tony Kish
Product Manager (22)
Fungicides Branch
Registration Division (7504P)

30x22

ACCEPTED
with COMMENTS
In EPA Letter Dated

JUL 05 2011

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.

19713-509

MASTER LABEL

FOR COMMERCIAL/AGRICULTURAL
CROP FUNGICIDE AND WOOD
TREATMENT USE LABEL



KOP-AM Complex

Liquid Fungicide Spray

ACTIVE INGREDIENT:

Copper diammonia diacetate complex [Bis(acetato-O)diamminecopper]*	27.15%
OTHER INGREDIENTS:	72.85%
TOTAL:	100.0%

* CAS No. 13822-80-5; Metallic copper equivalent, 8.0%.
This product contains 0.784 pound of Copper per gallon.

KEEP OUT OF REACH OF CHILDREN

CAUTION

See FIRST AID Below
SHAKE WELL BEFORE USING

EPA Reg. No. 19713-509

EPA Est. No. 19713-XX-XXX

Net Content: _____

FIRST AID

IF IN EYES:

- Hold eye open and rinse slowly and gently with water for 15 to 20 minutes.
- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
- Call a poison control center or doctor for treatment advice.

IF ON SKIN OR CLOTHING:

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15 to 20 minutes.
- Call a poison control center or doctor for treatment advice.

IF SWALLOWED:

- Call a poison control center or doctor immediately for treatment advice.
- Have person sip a glass of water if able to swallow.
- Do not induce vomiting unless told to do so by a poison control center or doctor.
- Do not give anything by mouth to an unconscious or convulsing person.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For information on this pesticide product (including health concerns, medical emergencies or pesticide incidents), call the National Pesticide Information Center at 1-800-858-7373.

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION: Harmful if swallowed. Harmful if absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some material that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for Category G on an EPA chemical resistance category selection chart.

Mixers, loaders, applicators, and other handlers must wear: Long-sleeved shirt and long pants, chemical-resistant gloves such as barrier laminate or viton, and shoes plus socks.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing and other absorbent material that have been drenched or heavily contaminated with the product's concentrate. Do not reuse them.

ENGINEERING CONTROLS

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticide (140 CFR 170.240(d)(4-6)), the handler PPE requirements may be reduced or modified as specified in the WPS.

USER SAFETY RECOMMENDATIONS

Users should: 1) Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. 2) Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. 3) Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters or rinsate. This product may contaminate water through runoff. Poorly draining soils and soils with shallow water tables are more prone to produce runoff that contains this product. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas.



Manufactured For:

Drexel Chemical Company

P.O. BOX 13327, MEMPHIS, TN 38113-0327

SINCE 1972

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, greenhouses and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted entry interval (REI). The requirements in this box only apply to uses of this product that are covered by the WPS.

Do not enter or allow worker entry into treated areas during the REI of 48 hours. For greenhouse uses, do not enter or allow worker entry into treated areas during the REI of 24 hours.

For at least seven days following the application of copper-containing products in greenhouses:

- at least one container or station designed specifically for flushing eyes is available in operating condition with the WPS-required decontamination supplies for workers entering the area treated with copper-containing products,
- workers are informed orally, in a manner they can understand:
 - that residues in the treated area may be highly irritating to their eyes,
 - that they should take precautions, such as refraining from rubbing their eyes, to keep the residues out of their eyes,
 - that if they do get residues in their eyes, they should immediately flush their eyes with the eye flush container that is located with the decontaminated supplies and
 - how to operate the eye flush container or eye flush station.

PPE required for early entry to treated areas that is permitted under the WPS and that involves contact with anything that has been treated, such as plants, soil or water is: Coveralls over long-sleeved shirt and long pants, chemical-resistant gloves made of any waterproof material, chemical-resistant footwear plus socks, chemical-resistant headgear for overhead exposure and protective eyewear. Notify workers of the application by warning them orally and by posting warning signs at entrances to treated areas.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of the product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forest, nurseries or greenhouses.

Do not enter or allow others to enter the treated area until sprays have dried.

SPRAY DRIFT MANAGEMENT

A variety of factors, including weather conditions (e.g., wind direction, wind speed, temperature, relative humidity) and the method of application (e.g., ground, aerial, airblast, chemigation), can influence pesticide drift. The applicator must evaluate all factors and make appropriate adjustments when applying this product.

Droplet Size

Apply only as a medium or coarser spray (ASAE standard 572) or a volume mean diameter of 300 microns or greater for spinning atomizer nozzles.

Wind Speed

Do not apply at wind speeds greater than 15 mph. Only apply this product if the wind direction favor on-target deposition (approximately 3 to 10 mph), and there are no sensitive areas within 250 feet downwind.

Temperature Inversions

If applying at wind speeds less than 3 mph, the applicator must determine if a) conditions of temperature inversion exist, or b) stable atmospheric conditions exist at or below nozzle height. Do not make applications into areas of temperature inversions or stable atmospheric conditions.

Other State and Local Requirements

Applicators must follow all state and local pesticide drift requirements regarding application of copper compounds. Where states have more stringent regulations, they must be observed.

Equipment

All aerial and ground application equipment must be properly maintained and calibrated using appropriate carriers or surrogates.

For aerial application:

The boom length must not exceed 75% of the wingspan or 90% of the rotor blade diameter.

Release spray at the lowest height consistent with efficacy and flight safety. Do not release spray at a height greater than 10 feet above the crop canopy unless a greater height is required for EPA aircraft safety. When applications are made with a crosswind, the swath must be displaced downwind. The applicator must compensate for this displacement at the up and downwind edge of the application area by adjusting the path of the aircraft upwind.

For groundboom application:

Do not apply with a nozzle height greater than 4 feet above the crop canopy.

CHEMIGATION

Do not apply this product through any irrigation system unless this section on chemigation is followed.

Apply this product only through center pivot, motorized lateral move or traveling gun sprinkler irrigation systems that do not contain aluminum components. Do not apply this product through any other type of irrigation system. Crop injury, lack of effectiveness or illegal pesticide residues in the crop can result from non-uniform distribution of treated water. If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts. Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label-prescribed safety devices for public water systems are in place. A person knowledgeable of the chemigation system and responsible for its operation or under the supervision of the responsible person, shall shut the system down and make the necessary adjustments should the need arise.

Public water systems means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year.

Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone, backflow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction. There should be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.

The system must contain a functional check valve, vacuum relief valve and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.

The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.

The pesticide injection pipeline must contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops or in cases where there is no water pump, when the water pressure decreases to the point where pesticide distribution is adversely affected.

The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.

Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

Do not apply when wind speed favors drift beyond the area intended for treatment.

When mixing, fill the nurse tank half full with water. Add this product slowly to the tank while hydraulic or mechanical agitation is operating
KOP-AM Complex Page 2 of 20

and continue filling the tank with water. Stickers, spreaders, nutrients, insecticides, etc. should be added last. If the compatibility is questionable, use the compatibility jar test before mixing a whole tank. Because of the wide variety of possible combinations that can occur, observe all cautions and limitations on the labels of all the products used in mixtures. This product should be continuously added through a traveling irrigation system. Agitation is recommended.

APPLICATION AND CALIBRATION TECHNIQUES FOR SPRINKLER IRRIGATION

Center Pivot, Motorized Lateral Move and Traveling Gun Irrigation Equipment: Operate system and injection equipment at normal pressures recommended by the manufacturer of the injection equipment used. Fill tank of injection equipment with water. Operate system for one complete circle for center pivot or one complete run for motorized lateral move or traveling gun equipment, measuring time required, amount of water injected and acreage contained in circle or run. Mix recommended amount of this product for acreage to be covered into the same amount of water used during calibration and inject into system continuously for one revolution or run. Shut off injection equipment after one revolution or run, but continue to operate irrigation system until this product has been cleared from the last sprinkler head.

USE INFORMATION

The control of diseases with fungicides is based on PREVENTION: plant surfaces must be completely covered with the fungicide to successfully prevent infection. Use the highest indicated rate per crop when disease incidence is high or expected to be, depending on rainfall and temperature. The lower rate is suitable for general and preventative sprays under normal conditions. Since the weather conditions and disease incidence vary, consult your Agricultural Extension Service for timing and initial application.

USE INSTRUCTIONS

Partially fill the spray tank with water, add the desired amount of this product and continue filling the tank. If applied with other products, add this product last. Use agitation during mixing and application, until tank is empty. Good bypass agitation is adequate. Observe all precautions and limitations on labeling of all products used in mixtures. In common with all good agricultural practice, start with clean equipment; equipment should be flushed well with water after use.

Ground Application-Dilute Spraying: Apply specified rate in 10 to 100 gallons of water per acre. **Orchard and Grove Spraying:** Apply specified rate in 100 to 800 gallons of water per acre. **Concentrate Spraying:** On Vegetable crops use 5 to 25 gallons of spray mixture per acre; on Fruit and Nut trees use 20 to 250 gallons per acre.

AIR APPLICATION: Apply specified rate in 3 to 20 gallons of water per acre.

FRUIT AND NUT CROPS

Crop	Disease Controlled	Rate of This Product per Acre
Almonds	Brown rot	8 to 12 qts.
	SPECIFIC DIRECTIONS: Apply at delayed-dormant bud swell stage (just before blossom buds break open). Dormant oil may be used.	
	Shot hole	8 to 12 qts.
SPECIFIC DIRECTIONS: Apply at leaf fall to protect buds and shoots from infection during rainy periods. Reapply every 3 to 4 weeks up to late bud swell. Do not apply after full bloom.		
Use Restrictions: During the dormant or late dormant period, do not apply more than 8 lbs. of copper (40.8 qts. of this product) per acre per application. Minimum retreatment interval is 7 days. During the bloom or growing period, do not apply more than 1.5 lbs. of copper (7.65 qts. of this product) per acre per application. Minimum retreatment interval is 5 days. Do not apply more than 18 lbs. of copper (91.8 qts. of this product) per acre per year.		

Crop	Disease Controlled	Rate of This Product per Acre
Apples	Anthracnose	8 to 10 qts.
	SPECIFIC DIRECTIONS: Apply to foliage after harvest annually.	
	Apple scab (black spot), Bacterial canker, Blossom and Shoot blast	8 to 12 qts.
	SPECIFIC DIRECTIONS: Apply post-harvest before Fall rains.	
	Crown or Collar rot	4 qts.
	SPECIFIC DIRECTIONS: Mix in 100 gallons 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 late Fall after harvest. Do not use if soil pH is below 5.5 since copper toxicity may result.	
	Fireblight	1 to 2 qts.
SPECIFIC DIRECTIONS: Apply at 10% bloom and repeat at 5- to 7-day intervals during bloom period. Do not use on copper sensitive varieties.		
Fireblight	8 to 12 qts.	
SPECIFIC DIRECTIONS: Apply as a full cover spray between silver-tip and green-tip. Discontinue when green-tip reaches one-half inch as injuries may occur.		
Use Restrictions: During the Fall or late dormant period, do not apply more than 8 lbs. of copper (40.8 qts. of this product) per acre per application. Only one application is permitted per season. Between silver-tip and green-tip period, do not apply more than 6 lbs. of copper (30.6 qts. of this product) per acre per application. Only one application per season is permitted. During the bloom or growing period, do not apply more than 0.5 lb. of copper (2.5 qts. of this product) per acre per application. Minimum retreatment interval is 5 days. Do not apply more than 16 lbs. of copper (81.6 qts. of this product) per acre per year.		
Apricots	Brown rot blossom blight	7.65 to 12 qts.
	SPECIFIC DIRECTIONS: Apply at red bud to jacket fall stage.	
	Shot hole	7.65 to 12 qts.
SPECIFIC DIRECTIONS: Apply at leaf fall to protect buds and shoots from infection during rainy periods. Reapply up to late bud swell. Do not apply after full bloom.		
Use Restrictions: During the dormant or late dormant period, do not apply more than 8 lbs. of copper (40.8 qts. of this product) per acre per application. Minimum retreatment interval is 7 days. During the bloom or growing period, do not apply more than 1.5 lbs. of copper (7.65 qts. of this product) per acre per application. Minimum retreatment interval is 5 days. Do not apply more than 18 lbs. of copper (91.8 qts. of this product) per acre per year.		
Avocados	Anthracnose	8 qts.
	SPECIFIC DIRECTIONS: Apply when the flower buds begin to swell and continue at monthly intervals until August.	
Use Restrictions: Do not apply more than 3.15 lbs. of copper (16 qts. of this product) per acre per application. Do not apply more than 18.9 lbs. of copper (96.4 qts. of this product) per acre per year. Minimum retreatment interval is 14 days.		
Bananas	Sigatoka	2 to 4 qts.
	SPECIFIC DIRECTIONS: Apply every 1 to 4 weeks.	
(Continued)		

FRUIT AND NUT CROPS

Crop	Disease Controlled	Rate of This Product per Acre
Bananas (Cont.)	Black pitting	5.3 qts.
	SPECIFIC DIRECTIONS: Mix in 100 gallons of water. Apply directly to the fruit stem and include the basal portion of the leaf crown. Apply during the first and second weeks after fruit emergence.	
Use Restrictions: Do not apply more than 1.05 lbs. of copper (5.3 qts. of this product) per acre per application. Do not apply more than 18.9 lbs. of copper (96.4 qts. of this product) per acre per year. Minimum retreatment interval is 7 days.		
Blueberries	Bacterial canker	8 to 10 qts.
	SPECIFIC DIRECTIONS: Apply with a spreader/sticker before Fall rains and again 4 weeks later.	
	Cane canker	8 to 10 qts.
	SPECIFIC DIRECTIONS: Apply with a spreader/sticker before Fall rains and again 4 weeks later. In the Spring during wet weather, apply at 7- to 14-day intervals beginning at leaf emergence.	
Use Restrictions: Do not apply more than 2.1 lbs. of copper (10.7 qts. of this product) per acre per application. Do not apply more than 8.4 lbs. of copper (42.8 qts. of this product) per acre per year. Minimum retreatment interval is 7 days.		
Caneberries	Anthracnose, Leaf and Cane spot, Purple blotch, Yellow rust	2 to 4 qts.
	SPECIFIC DIRECTIONS: Apply when leaf buds open. Repeat when flower buds show white and continue at 10- to 14-day intervals.	
	Anthracnose, Bacterial blight, Leaf and Cane spot, Purple blotch, Yellow rust	8 to 10.2 qts.
	SPECIFIC DIRECTIONS: Apply in the Fall after harvest.	
Use Restrictions: Do not apply more than 2 lbs. of copper (10.2 qts. of this product) per acre per application. Do not apply more than 10 lbs. of copper (51 qts. of this product) per acre per year. Minimum retreatment interval is 10 days.		
Cherries	Deadbud, Coryneum blight	6 qts. per 100 gals. of water (Not to exceed the maximum allowable rate per acre per application specified under "Use Restrictions")
	SPECIFIC DIRECTIONS: Apply in October (before heavy Fall rains) and again in January. Where disease is severe, another application should be applied in August.	
	Brown rot blossom blight	2 to 3 qts. per 100 gals. of water (Not to exceed the maximum allowable rate per acre per application specified under "Use Restrictions")
	SPECIFIC DIRECTIONS: Apply as a full cover spray at popcorn stage and at full bloom.	
Use Restrictions: During the dormant or late dormant period, do not apply more than 8 lbs. of copper (40.8 qts. of this product) per acre per application. Minimum retreatment interval is 7 days. During the bloom or growing period, do not apply more than 1.5 lbs. of copper (7.65 qts. of this product) per acre per application. Minimum retreatment interval is 5 days. Do not apply more than 18 lbs. of copper (91.8 qts. of this product) per acre per year.		

Crop	Disease Controlled	Rate of This Product per Acre
Citrus	Greasy spot, Melanose, Pink pitting, Scab	0.75 to 2 qts. per 100 gals. of water Aerial Application: 6 to 8 qts. per 10 gals. of water (Not to exceed the maximum allowable rate per acre per application specified under "Use Restrictions")
	SPECIFIC DIRECTIONS: Apply as pre-bloom and post-bloom sprays. May be used in concentrate sprays at equivalent rates.	
	Brown rot	2 to 6 qts.
	SPECIFIC DIRECTIONS: Apply in the Fall before or just after heavy rains. In areas of skirt sprays, apply to a height of at least 4 feet.	
Use Restrictions: Do not apply more than 3.15 lbs. of copper (16 qts. of this product) per acre per application. Do not apply more than 10 lbs. of copper (51 qts. of this product) per acre per year. Minimum retreatment interval is 7 days.		
Cacao	Black pod rot	2 to 4 qts.
	SPECIFIC DIRECTIONS: Apply on a 14- to 21- day schedule in high rainfall areas.	
Use Restrictions: Do not apply more than 2.25 lbs. of copper (11.5 qts. of this product) per acre per application. Do not apply more than 15.75 lbs. of copper (80.3 qts. of this product) per acre per year. Minimum retreatment interval is 14 days.		
Coffee	Iron spot, Pink disease	2 to 8 qts.
	SPECIFIC DIRECTION: Apply 3 applications at the beginning of the wet season.	
	Bacterial blight, Berry spot, Leaf spot, Leaf rust	3 to 8 qts.
	SPECIFIC DIRECTIONS: Apply as locally recommended, usually at 2- to 4-week intervals depending upon disease severity and rainfall conditions.	
Use Restrictions: Do not apply more than 2.1 lbs. of copper (10.7 qts. of this product) per acre per application. Do not apply more than 12.6 lbs. of copper (61.2 qts. of this product) per acre per year. Minimum retreatment interval is 14 days.		
Cranberries	Fruit rot	8 qts.
	SPECIFIC DIRECTIONS: Apply beginning in late bloom. One or two additional applications made at 7- to 14-day intervals may be required depending upon disease pressure. Follow the advice of the State Agricultural Extension Service.	
Use Restrictions: Do not apply more than 2.1 lbs. of copper (10.7 qts. of this product) per acre per application. Do not apply more than 6.3 lbs. of copper (32 lbs. of this product) per acre per year. Minimum retreatment interval is 7 days.		
Currants, Gooseberries	Anthracnose, Leaf spot (cane blight)	5 to 10 qts.
	SPECIFIC DIRECTIONS: Make 3 applications starting after harvest, before bloom and after petal fall.	
Use Restrictions: Do not apply more than 2.5 lbs. of copper (12.7 qts. of this product) per acre per application. Do not apply more than 10 lbs. of copper (51 qts. of this product) per acre per year. Minimum retreatment interval is 10 days.		
Filberts (OR and WA only)	Bacterial blight	10 to 12 qts.
	SPECIFIC DIRECTIONS: Apply after harvest. Under severe conditions, apply again when three-fourths of the leaves have dropped.	

(Continued)

FRUIT AND NUT CROPS

Crop	Disease Controlled	Rate of This Product per Acre
Filberts (OR and WA only) (Cont.)	Eastern filbert blight	10 to 12 qts.
	SPECIFIC DIRECTIONS: Make initial application after harvest in October before heavy rains begin. The next application should be made in late February to early March followed by another application 1 month later. If desired, add 1 pint of a sticking agent or superior type oil per 100 gallons of water. Use higher rate when rainfall is heavy and disease pressure is high.	
Use Restrictions: Do not apply more than 6 lbs. of copper (30.6 qts. of this product) per acre per application. Do not apply more than 24 lbs. of copper (122.4 qts. of this product) per acre per year. Minimum retreatment interval is 14 days. Permitted only in Oregon and Washington.		
Grapes	Anthracnose, Black rot, Downy mildew, Powdery mildew	2 qts.
	SPECIFIC DIRECTIONS: Apply just before bud break, when the shoots are 6 to 8 inches long, just after bloom and every 3- to 10-days throughout season as needed. Foliar injury may occur on copper-sensitive varieties.	
Use Restrictions: Do not apply more than 3 lbs. of copper (15.3 qts. of this product) per acre per application. Do not apply more than 20 lbs. of copper (102 qts. of this product) per acre per year. Minimum retreatment interval is 3 days.		
Hops	Downy mildew	2 qts.
	SPECIFIC DIRECTIONS: Apply as needed at 10-day intervals. Begin with crown treatment (after pruning but before training) and continue until 2 weeks before harvest.	
Use Restrictions: Do not apply more than 0.53 lb. of copper (2.7 qts. of this product) per acre per application. Do not apply more than 2.65 lbs. of copper (13.5 qts. of this product) per acre per year. Minimum retreatment interval is 10 days.		
Kiwi	<i>Pseudomonas syringae</i> , <i>Erwinia herbicola</i> , <i>Pseudomonas fluorescens</i>	8 qts.
	SPECIFIC DIRECTIONS: Apply in 200 gallons of water per acre. Make applications on a monthly basis. A maximum of 3 applications may be made.	
Use Restrictions: Do not apply more than 2.1 lbs. of copper (10.7 qts. of this product) per acre per application. Do not apply more than 6.3 lbs. of copper (32 qts. of this product) per acre per year. Minimum retreatment interval is 30 days.		
Limes	Greasy spot	8 qts.
	SPECIFIC DIRECTIONS: Apply in June and continue at 7-day intervals through August.	
Use Restrictions: Do not apply more than 3.15 lbs. of copper (16 qts. of this product) per acre per application. Do not apply more than 10 lbs. of copper (51 qts. of this product) per acre per year. Minimum retreatment interval is 7 days.		
Mangoes (Not for Use in CA)	Anthracnose	8 qts.
	SPECIFIC DIRECTIONS: Apply monthly from the time the panicles are 2 inches in length until all fruits are set until August.	
Use Restrictions: Do not apply more than 2.6 lbs. of copper (13.2 qts. of this product) per acre per application. Do not apply more than 18.2 lbs. of copper (92.8 qts. of this product) per acre per year. Minimum retreatment interval is 30 days.		
Olives	Peacock spot	8 to 12 qts. OR 2 to 3 qts. per 100 gals. of water
	SPECIFIC DIRECTIONS: Make first application before Winter rains fall. A second application should be made in early Spring if disease is severe.	
Use Restrictions: Do not apply more than 3.15 lbs. of copper (16 qts. of this product) per acre per application. Do not apply more than 6.3 lbs. of copper (32 qts. of this product) per acre per year. Minimum retreatment interval is 30 days.		

Crop	Disease Controlled	Rate of This Product per Acre
Peaches, Nectarines	Bacterial spot	2 qts. per 100 gals. of water (Not to exceed the maximum allowable rate per acre per application specified under "Use Restrictions")
	SPECIFIC DIRECTIONS: Apply as a dormant spray. Make post-bloom application at 0.5 pt. per 100 gallons at first and second cover sprays. DO NOT spray later than 3 weeks prior to harvest. DO NOT use at rates above those specified. Note: Slight defoliation and spotting of leaves may occur from use in cover sprays.	
	Blossom brown rot	8 to 12 qts.
	SPECIFIC DIRECTIONS: Apply as dormant or delayed-dormant spray. Can use with dormant spray oil. DO NOT apply at or after full bloom.	
	Leaf curl, Shot hole	8 to 12 qts.
SPECIFIC DIRECTIONS: Apply at leaf fall to protect buds and shoots from infection during rainy periods. Reapply up until late bud swell. DO NOT apply after full bloom.		
Use Restrictions: During the dormant or late dormant period, do not apply more than 8 lbs. of copper (40.8 qts. of this product) per acre per application. Minimum retreatment interval is 7 days. During the bloom or growing period, do not apply more than 1.5 lbs. of copper (7.65 qts. of this product) per acre per application. Minimum retreatment interval is 5 days. Do not apply more than 18 lbs. of copper (91.8 qts. of this product) per acre per year.		
Pears, Quince	Fire blight	1 to 2 qts.
	SPECIFIC DIRECTIONS: Apply at 10% bloom and repeat at 5- to 7-day intervals throughout the bloom period. Do not use on copper-sensitive varieties.	
	Blossom blast	8 to 12 qts.
SPECIFIC DIRECTIONS: Apply as a dormant spray. Apply only at bud break to control primary infection.		
Use Restrictions: During the Fall or late dormant period, do not apply more than 8 lbs. of copper (40.8 qts. of this product) per acre per application. Only one application is permitted per season. During the bloom or growing period, do not apply more than 0.5 lb. of copper (2.5 qts. of this product) per acre per application. Minimum retreatment interval is 5 days. Do not apply more than 16 lbs. of copper (81.6 qts. of this product) per acre per year.		
Pecans	Shuck and Kernel rot, Zonate leaf spot	4 to 10 qts.
	SPECIFIC DIRECTIONS: For suppression, apply in sufficient water to ensure complete spray coverage at 2- to 4-week intervals starting at kernel growth and continuing until shucks open. Use the higher rate and shorter interval if frequent rainfall occurs.	
Use Restrictions: Do not apply more than 2.1 lbs. of copper (10.7 lbs. of this product) per acre per application. Do not apply more than 8.4 lbs. of copper (42.8 qts. of this product) per acre per year. Minimum retreatment interval is 14 days.		
Pistachios	Alternaria late blight	8 to 10.7 qts.
	SPECIFIC DIRECTIONS: Apply at 50% and full bloom followed by up to 3 applications at 30-day intervals.	

(Continued)

FRUIT AND NUT CROPS

Crop	Disease Controlled	Rate of This Product per Acre
Pistachios (Cont.)	Botrytis blight, Botryosphaeria panicle, Shoot blight, Septoria leaf blight	8 to 10.7 qts.
	SPECIFIC DIRECTIONS: Make initial application at bud swell and repeat on a 14- to 28-day schedule as dictated by disease conditions. If disease conditions are severe, use the higher rate and shorter interval.	
Use Restrictions: Do not apply more than 2.1 lbs. of copper (10.7 lbs. of this product) per acre per application. Do not apply more than 8.4 lbs. of copper (42.8 qts. of this product) per acre per year. Minimum retreatment interval is 14 days.		
Plums, Prunes	Brown rot blossom blight, Coryneum blight (shot hole)	8 to 12 qts.
	SPECIFIC DIRECTIONS: Apply as a dormant spray before heavy rains begin. For Brown rot, apply at early green bud to full popcorn stages.	
	Bacterial blast, Bacterial canker	8 to 12 qts.
SPECIFIC DIRECTIONS: Apply at dormant to early pink stage. Where disease is severe, apply 1 quart at 2-week intervals post-bloom. Slight leaf injury may occur.		
Use Restrictions: During the dormant or late dormant period, do not apply more than 8 lbs. of copper (40.8 qts. of this product) per acre per application. Minimum retreatment interval is 7 days. During the bloom or growing period, do not apply more than 1.5 lbs. of copper (7.65 qts. of this product) per acre per application. Minimum retreatment interval is 5 days. Do not apply more than 18 lbs. of copper (91.8 qts. of this product) per acre per year.		
Strawberries	Leaf spot, Scorch	1.5 to 2 qts. (7.6 qts. - Severe disease)
	SPECIFIC DIRECTIONS: Apply at 7- to 10-day intervals from the time new growth starts until harvest.	
Use Restrictions: Do not apply more than 1 lb. of copper (5 qts. of this product) per acre per application. For severe infection, do not apply more than 1.5 lbs. of copper (7.6 qts. of this product) per acre per application. Do not apply more than 8.19 lbs. of copper (41.7 qts. of this product) per acre per year. Minimum retreatment interval is 7 days.		
Walnuts	Walnut blight	8 to 12 qts.
	SPECIFIC DIRECTIONS: Make first application at early pre-bloom. Make second application at late pre-bloom. Make additional applications if disease conditions persist.	
Use Restrictions: Do not apply more than 3.15 lbs. of copper (16 qts. of this product) per acre per application. Do not apply more than 25.2 lbs. of copper (128.5 qts. of this product) per acre per year. Minimum retreatment interval is 7 days.		

FIELD AND VEGETABLE CROPS

Crop	Disease Controlled	Rate of This Product per Acre
Alfalfa	Leaf spot	1 to 2 qts.
	SPECIFIC DIRECTIONS: Apply by ground or air 10 to 14 days prior to harvest. Slight injury may occur to sensitive varieties.	
Use Restrictions: Do not apply more than 0.53 lbs. of copper (2.7 qts. of this product) per acre per application. Do not apply more than 1.12 lbs. of copper (5.7 qts. of this product) per acre per year. Minimum retreatment interval is 30 days.		
Beans, Lentils, Peas (succulent and dry)	Bacterial blight (halo and common)	1 to 3 qts.
	SPECIFIC DIRECTIONS: Apply when plants are 3 to 5 inches high and before diseases appear. Repeat at 7- to 10-day intervals.	
Use Restrictions: Do not apply more than 0.79 lbs. of copper (4 qts. of this product) per acre per application. Do not apply more than 4.74 lbs. of copper (24 qts. of this product) and 3.95 lbs. of copper (20 qts. of this product) per acre per year for beans and peas, respectively. Minimum retreatment interval is 7 days.		
Beets, Sugar beets	Cercospora leaf spot	1.5 to 3 qts.
	SPECIFIC DIRECTIONS: Apply when disease appears making 3 to 6 sprays at 10- to 14-day intervals. Apply more frequently under severe disease pressure.	
Use Restrictions: Do not apply more than 1.31 lbs. of copper (6.6 qts. of this product) per acre per application. Do not apply more than 7.86 lbs. of copper (40 qts. of this product) per acre per year. Minimum retreatment interval is 10 days.		
Carrots	Early and Late blight	2 to 3 qts.
	SPECIFIC DIRECTIONS: Apply when plants are 6 inches high. Make 3 to 5 applications at 7- to 10-day intervals.	
Use Restrictions: Do not apply more than 1 lb. of copper (5 qts. of this product) per acre per application. Do not apply more than 5 lbs. of copper (25.5 qts. of this product) per acre per year. Minimum retreatment interval is 7 days.		
Celery	Bacterial blight, Early and Late blight	2 to 3 qts.
	SPECIFIC DIRECTIONS: Apply as soon as plants are established in the field and repeat at 7-day intervals.	
Use Restrictions: Do not apply more than 1 lb. of copper (5 qts. of this product) per acre per application. Do not apply more than 5.3 lbs. of copper (27 qts. of this product) per acre per year. Minimum retreatment interval is 7 days.		
Corn (field, pop, sweet)	Bacterial rot, Bacterial stripe, Bacterial wilt, Leaf blight, Stalk rot	2 qts.
	SPECIFIC DIRECTIONS: Apply when disease appears and repeat as necessary.	
Use Restrictions: Do not apply more than 1.05 lbs. of copper (5.3 qts. of this product) per acre per application. Do not apply more than 4.2 lbs. of copper (21.4 qts. of this product) per acre per year. Minimum retreatment interval is 7 days.		
Crucifers [Broccoli, Brussels sprouts, Cabbage, Cauliflower, Greens (collard, mustard, turnip)]	Black leaf spot, Black rot	1 to 2.7 qts.
	SPECIFIC DIRECTIONS: Apply by ground or air when disease appears and repeat at 7- to 10-day intervals.	
	Downy mildew	0.5 to 1 qt.
SPECIFIC DIRECTIONS: Apply by ground or air when disease appears and repeat at 7- to 10-day intervals.		
Use Restrictions: Do not apply more than 0.53 lb. of copper (2.7 qts. of this product) per acre per application. Do not apply more than 2.65 lbs. of copper (13.5 qts. of this product) per acre per year. Minimum retreatment interval is 7 days.		

(Continued)

FIELD AND VEGETABLE CROPS

Crop	Disease Controlled	Rate of This Product per Acre
Cucurbits, (Cantaloupe, Cucumber, Honeydew, Muskmelon, Pumpkin, Squash, Watermelon)	Alternaria leaf spot, Angular leaf spot, Anthracnose, Downy mildew, Powdery mildew, Gummy stem blight, Watermelon bacterial fruit blotch	1.5 to 2 qts.
	SPECIFIC DIRECTIONS: Apply by ground or air when disease appears and repeat at 5- to 10-day intervals.	
Use Restrictions: Do not apply more than 1.05 lbs. of copper (5.3 qts. of this product) per acre per application. Do not apply more than 5.25 lbs. of copper (26.7 qts. of this product) per acre per year. Minimum retreatment interval is 5 days.		
Eggplant	Alternaria blight, Anthracnose, Phomopsis	2 qts.
	SPECIFIC DIRECTIONS: Apply before disease appears and repeat at 7- to 10-day intervals.	
Use Restrictions: Do not apply more than 0.79 lb. of copper (4 qts. of this product) per acre per application. Do not apply more than 7.9 lbs. of copper (40.3 qts. of this product) per acre per year. Minimum retreatment interval is 7 days.		
Onions	Downy mildew, Purple blotch	2 qts.
	SPECIFIC DIRECTIONS: Apply when plants are 4 to 6 inches high and repeat at 7- to 10-day intervals.	
Use Restrictions: Do not apply more than 1 lb. of copper (5 qts. of this product) per acre per application. Do not apply more than 6 lbs. of copper (30.6 lbs. of this product) per acre per year. Minimum retreatment interval is 7 days.		
Peanuts	Cercospora leaf spot	1.5 to 3 qts.
	SPECIFIC DIRECTIONS: Apply on first appearance of disease and repeat at 7- to 14-day intervals.	
	Pod rot complex (<i>Pythium myriotylum</i> , <i>Rhizoctonia solani</i> and <i>Sclerotium rolfsii</i>)	4 qts.
SPECIFIC DIRECTIONS: Apply at pegging in a 12- to 15-inch band over the row.		
Use Restrictions: Do not apply more than 0.79 lb. of copper (4 qts. of this product) per acre per application. Do not apply more than 4.74 lbs. of copper (24 qts. of this product) per acre per year. Minimum retreatment interval is 7 days.		
Peppers	Bacterial spot, Cercospora leaf spot	1.5 to 3 qts.
	SPECIFIC DIRECTIONS: Make first application upon emergence of seedlings or immediately after transplanting and repeat at 7- to 10-day intervals. When disease is severe, apply at 4- to 5-day intervals. Note: Disease control is critical during fruiting.	
Use Restrictions: Do not apply more than 0.79 lb. of copper (4 qts. of this product) per acre per application. Do not apply more than 11.85 lbs. of copper (60.5 qts. of this product) per acre per year. Minimum retreatment interval is 3 days.		
Potatoes	Early and Late blight	1.5 to 3 qts.
	SPECIFIC DIRECTIONS: Apply on first appearance of disease and continue on 5- to 10-day intervals.	
Use Restrictions: Do not apply more than 2.5 lbs. of copper (12.7 qts. of this product) per acre per application. Do not apply more than 25 lbs. of copper (127.5 qts. of this product) per acre per year. Minimum retreatment interval is 5 days.		

Crop	Disease Controlled	Rate of This Product per Acre
Spinach	Anthracnose, Cercospora leaf spot, Downy mildew	1.5 qts.
	SPECIFIC DIRECTIONS: Apply on first appearance of disease and repeat at 7- to 10-day intervals.	
Use Restrictions: Do not apply more than 0.79 lb. of copper (4 qts. of this product) per acre per application. Do not apply more than 3.95 lbs. of copper (20 qts. of this product) per acre per year. Minimum retreatment interval is 7 days.		
Tobacco	Angular leaf spot	4 to 5 qts.
	SPECIFIC DIRECTIONS: Apply on a 10-day basis when disease appears. Destroy all infected plants.	
	Blue mold	2 qts.
	SPECIFIC DIRECTIONS: Apply every 10 days when disease appears.	
	Brown spot	4 to 5 qts.
	SPECIFIC DIRECTIONS: Apply every 10 days when disease appears.	
	Damping-off disease	5 to 6 qts.
	SPECIFIC DIRECTIONS: Apply to the seed bed after planting. Avoid overwatering.	
	Frog eye disease	4 to 5 qts.
	SPECIFIC DIRECTIONS: Apply just before transplanting and when topped.	
Wild fire	2 qts.	
SPECIFIC DIRECTIONS: Apply every 10 days from seeding to transplanting.		
Use Restrictions: Do not apply more than 2 lbs. of copper (10.2 qts. of this product) per acre per application. Do not apply more than 8 lbs. of copper (40.8 qts. of this product) per acre per year. Minimum retreatment interval is 10 days.		
Tomatoes	Bacterial speck, Bacterial spot, Early and Late blight	1.5 to 2.7 qts.
	SPECIFIC DIRECTIONS: Make first application upon emergence of seedlings or immediately after transplanting and repeat at 3- to 10-day intervals. When disease is severe, apply at 3- to 5-day intervals. Complete coverage is essential for disease control. Note: While the labeled rate is particularly effective against Bacterial spot, a tank mix with Maneb or Mancozeb used at the labeled rates controls a broad range of diseases.	
Use Restrictions: Do not apply more than 0.53 lb. of copper (2.7 qts. of this product) per acre per application. Do not apply more than 17.4 lbs. of copper (88.7 qts. of this product) per acre per year. Minimum retreatment interval is 3 days.		
Wheat, Oats, Barley	Helminthosporium spot blotch, Septoria leaf blotch	1.5 to 2 qts.
	SPECIFIC DIRECTIONS: Make first application at early heading and follow with second spray 10 days later. Use the higher rate when conditions favor disease.	
	Bacterial wilt, Head scab	2 qts.
SPECIFIC DIRECTIONS: Apply when disease appears and repeat as necessary.		
Use Restrictions: Do not apply more than 0.53 lb. of copper (2.7 qts. of this product) per acre per application. Do not apply more than 1.06 lbs. of copper (5.4 qts. of this product) per acre per year. Minimum retreatment interval is 10 days.		

MISCELLANEOUS

Crop	Disease Controlled	Rate of This Product per Acre
Atemoya, Carambola	Anthracnose	3 qts.
	SPECIFIC DIRECTIONS: Make initial application just before flowering and repeat on a weekly schedule until just before harvest. Apply in sufficient water for thorough coverage.	
Use Restrictions: Do not apply more than 3.15 lbs. of copper (16 qts. of this product) for Atemoya and 2.1 lbs. of copper (10.7 qts. of this product) for Carambola per acre per application. Do not apply more than 12.6 lbs. of copper (64.2 qts. of this product) and 10.5 lbs. of copper (53.5 qts. of this product) per acre per year for Atemoya and Carambola, respectively. Minimum retreatment interval is 7 days.		
Chives	Downy mildew	2 qts.
	SPECIFIC DIRECTION: Begin applications when plants are first established in the field. Repeat applications every 7 to 10 days as dictated by disease conditions. If disease pressure is high, use the shorter spray interval.	
Use Restrictions: Do not apply more than 0.53 lb. of copper (2.7 qts. of this product) per acre per application. Do not apply more than 2.65 lbs. of copper (13.5 qts. of this product) per acre per year. Minimum retreatment interval is 7 days.		
Dill	Phoma leaf spot, Rhizoctonia foliage blight	3 qts.
	SPECIFIC DIRECTIONS: Begin applications when plants are first established in the field and repeat at 7- to 10-day intervals depending upon disease severity and environmental conditions. If disease pressure is high, use the shorter spray interval.	
Use Restrictions: Do not apply more than 0.79 lb. of copper (4 qts. of this product) per acre per application. Do not apply more than 3.95 lbs. of copper (20 qts. of this product) per acre per year. Minimum retreatment interval is 7 days.		
Douglas fir	Rhabdocline needlecast	2 qts.
	SPECIFIC DIRECTIONS: Begin applications at bud break and repeat at 1- to 4-week intervals. Apply in a tank mix with another registered pesticide if moderate to severe disease pressure is present.	
Use Restrictions: Do not apply more than 2 lbs. of copper (10.2 qts. of this product) per acre per application. Do not apply more than 20 lbs. of copper (102 qts. of this product) per acre per year. Minimum retreatment interval is 7 days.		
Ginseng	Alternaria leaf and stem blight	3.5 qts.
	SPECIFIC DIRECTIONS: Use as a tank mix with 2 pounds Rovral 50W in 100 gallons of water. Begin applications of this tank mix as soon as plants have emerged in Spring. Applications should be repeated every 7 days until plants become dormant in Fall. If scheduled application is to be before a rain shower, apply fungicides at least 8 hours before the rain, giving the fungicides time to dry on the plants. Use of a spreader-sticker is advised. Note: Alternaria leaf and stem blight are most severe in humid conditions such as those found in the dense canopies of 2-, 3- and 4-year old Ginseng. It is very important that the stems be thoroughly covered with fungicide; therefore, use a spray apparatus which distributes the fungicide throughout the canopy.	
Use Restrictions: Do not apply more than 1.05 lbs. of copper (5.3 qts. of this product) per acre per application. Do not apply more than 5.25 lbs. of copper (26.7 qts. of this product) per acre per year. Minimum retreatment interval is 7 days.		

Crop	Disease Controlled	Rate of This Product per Acre
Guava	Anthracnose, Red algae	3 qts.
	SPECIFIC DIRECTION: Make initial application just before flowering and repeat on a weekly schedule until just before harvest. Apply in sufficient water for thorough coverage.	
Use Restrictions: Do not apply more than 1.23 lbs. of copper (6.2 qts. of this product) per acre per application. Do not apply more than 4.92 lbs. of copper (25 qts. of this product) per acre per year. Minimum retreatment interval is 7 days.		
Litchi	Anthracnose	3 qts.
	SPECIFIC DIRECTION: Make initial application just before flowering and repeat on a weekly schedule until just before harvest. Apply in sufficient water for thorough coverage.	
Use Restrictions: Do not apply more than 1.23 lbs. of copper (6.2 qts. of this product) per acre per application. Do not apply more than 4.92 lbs. of copper (25 qts. of this product) per acre per year. Minimum retreatment interval is 7 days.		
Live Oak	Ball moss	6 qts.
	SPECIFIC DIRECTIONS: Apply in the Spring when Ball moss is actively growing, using 1.5 gallons of spray per foot of tree height. Make sure to wet Ball moss tufts thoroughly. A second application may be required after 12 months. Note: This product may be injurious to ornamentals grown under Live oaks. This product may be reactive on metal and masonry surfaces such as galvanized roofing. Avoid contact with metal surfaces. Do not spray on cars, houses, lawn furniture, etc.	
Use Restrictions: Do not apply more than 2 lbs. of copper (10.2 qts. of this product) per acre per application. Do not apply more than 20 lbs. of copper (102 qts. of this product) per acre per year. Minimum retreatment interval is 7 days.		
Macadamia	Anthracnose	6 qts.
	SPECIFIC DIRECTIONS: Initiate spray at first sign of flowering and repeat on a weekly schedule until just before harvest. Apply in sufficient water for thorough coverage.	
	Phytophthora blight, Raceme blight	4 to 6 qts.
SPECIFIC DIRECTIONS: Apply during raceme development and bloom periods. Apply in sufficient water for thorough coverage.		
Use Restrictions: Do not apply more than 2.36 lbs. of copper (12 qts. of this product) per acre per application. Do not apply more than 9.44 lbs. of copper (48 qts. of this product) per acre per year. Minimum retreatment interval is 7 days.		
Mamey sapote	Anthracnose, Algal leaf spot	6 to 8 qts.
	SPECIFIC DIRECTIONS: Apply when conditions favor disease. Repeat on 14- to 30- day schedule as disease severity and environmental conditions dictate.	
Use Restrictions: Do not apply more than 2.1 lbs. of copper (10.7 qts. of this product) per acre per application. Do not apply more than 8.4 lbs. of copper (42.8 qts. of this product) per acre per year. Minimum retreatment interval is 14 days.		
Papaya	Anthracnose	4 to 10 qts.
	SPECIFIC DIRECTIONS: Begin applications before disease appears and repeat at 14-day intervals. Use higher rates when conditions favor disease.	
Use Restrictions: Do not apply more than 2.63 lbs. of copper (13.4 qts. of this product) per acre per application. Do not apply more than 21.2 lbs. of copper (108 qts. of this product) per acre per year. Minimum retreatment interval is 14 days.		

(Continued)

MISCELLANEOUS

Crop	Disease Controlled	Rate of This Product per Acre
Parsley	Bacterial blight	3 qts.
	SPECIFIC DIRECTIONS: Begin applications when plants are first established in the field and repeat at 10 day intervals depending upon disease severity and environmental conditions.	
Use Restrictions: Do not apply more than 1 lb. of copper (5 qts. of this product) per acre per application. Do not apply more than 2 lbs. of copper (10 qts. of this product) per acre per year. Minimum retreatment interval is 10 days.		
Passion fruit	Anthraco-nose	6 qts.
	SPECIFIC DIRECTIONS: Make initial application just before flowering and repeat on a weekly schedule until just before harvest. Apply in sufficient water for thorough coverage.	
Use Restrictions: Do not apply more than 2.36 lbs. of copper (12 qts. of this product) per acre per application. Do not apply more than 9.44 lbs. of copper (48 qts. of this product) per acre per year. Minimum retreatment interval is 7 days.		
Sugar apples (Annona)	Anthraco-nose	8 to 12 qts.
	SPECIFIC DIRECTIONS: Make initial application just before flowering and repeat on a weekly schedule until just before harvest. Apply in sufficient water for thorough coverage.	
Use Restrictions: Do not apply more than 3.15 lbs. of copper (16 qts. of this product) per acre per application. Do not apply more than 12.6 lbs. of copper (64.2 qts. of this product) per acre per year. Minimum retreatment interval is 7 days.		
Sycamore	Anthraco-nose	2 to 3 qts.
	SPECIFIC DIRECTIONS: Apply as a full coverage spray. Apply in 100 gallons of water or sufficient volume for thorough coverage. Make first application at bud crack and second application 7 to 10 days later at 10% leaf expansion.	
Use Restrictions: Do not apply more than 2 lbs. of copper (10.2 qts. of this product) per acre per application. Do not apply more than 20 lbs. of copper (102 qts. of this product) per acre per year. Minimum retreatment interval is 7 days.		

CITRUS (Field Nursery Grown)

To control Brown rot, Citrus canker (suppression only), Greasy spot, Melanose, Pink pitting and Scab, apply 2 quarts of this product per 100 gallons of water (4 to 8 qts./A). Apply this product at minimum 7-day intervals depending on disease severity.

Use Restrictions: Do not apply more than 3.15 lbs. of copper (16 qts. of this product) per acre per application. Do not apply more than 10 lbs. of copper (51 qts. of this product) per acre per year. Minimum retreatment interval is 7 days.

TURFGRASS

To control Algae in Turfgrass, apply 0.7 pint of this product per 1,000 square feet in 5 gallons of water. This product may be used alone or in combination with other registered fungicides as a maintenance spray. Observe all precautions and limitations on the label of each product used in tank mixes.

Use Restrictions: Do not apply more than 3 lbs. of copper (30.6 pts. of this product) per acre (0.7 pt. per 1,000 sq. ft.) per application. Do not apply more than 9 lbs. of copper (91.8 pts. of this product) per acre (2.1 pts. per 1,000 sq. ft.) per year. Minimum retreatment interval is 10 days.

Note: Phytotoxicity may occur depending upon varietal differences. Apply the specified rate to a small area and observe for 7 to 10 days for signs of injury. If phytotoxicity occurs, discontinue use. Do not apply in a spray solution with a pH of less than 6.5.

GREENHOUSE AND SHADE HOUSE CROPS

Notice to User: This product may be used in greenhouses and shade houses to control diseases on some crops which appear on this label. The grower should bear in mind that the sensitivity of crops grown in greenhouses and shade houses differ greatly from crops grown under field conditions. Neither the Manufacturer nor the Seller has determined whether or not this product can be used safely on all green-

house and shade house-grown crops. The user should determine if this product can be used safely prior to commercial use. In a small area, apply the specified rates to the plants in question, i.e., foliage, fruit, etc., and observe for 7 to 10 days for symptoms of phytotoxicity prior to commercial use.

Crop	Diseases	Rate of Application
Eggplant	Alternaria blight, Anthracnose, Phomopsis	4 tbsps. per 1,000 sq. ft.
	SPECIFIC DIRECTIONS: Begin applications prior to development of disease symptoms. Repeat spray at 7- to 10-day intervals.	
Use Restrictions: Do not apply more than 3 fl. ozs. (6 tbsps.) of this product per 1,000 sq. ft. per application. Do not apply more than 29.6 fl. ozs. (59 tbsps.) of this product per 1,000 sq. ft. per year. Minimum retreatment interval is 7 days.		
Peppers	Bacterial spot	4 to 6 tbsps. per 1,000 sq. ft.
	SPECIFIC DIRECTIONS: Begin applications when conditions first favor disease development and repeat at 3- to 10-day intervals as needed depending on disease severity. Use higher rate for severe disease.	
Use Restrictions: Do not apply more than 3 fl. ozs. (6 tbsps.) of this product per 1,000 sq. ft. per application. Do not apply more than 44.4 fl. ozs. (88.8 tbsps.) of this product per 1,000 sq. ft. per year. Minimum retreatment interval is 3 days.		
Tomatoes	Early and Late blight, Bacterial speck, Anthracnose, Bacterial spot, Gray leaf mold, Septoria leaf spot	4 tbsps. per 1,000 sq. ft.
	SPECIFIC DIRECTIONS: Begin applications when disease first threatens and repeat at 3 to 10-day intervals depending on disease severity.	
Use Restrictions: Do not apply more than 2 fl. ozs. (4 tbsps.) of this product per 1,000 sq. ft. per application. Do not apply more than 65.2 fl. ozs. (130 tbsps.) of this product per 1,000 sq. ft. per year. Minimum retreatment interval is 3 days.		
Citrus (non-bearing nursery)	Brown rot, Citrus canker, Greasy spot, Melanose, Pink pitting, Scab	6 tbsps. per 1,000 sq. ft.
	SPECIFIC DIRECTIONS: Begin applications when disease threatens. Repeat at 7 to 30-day intervals depending on disease severity.	
Use Restrictions: Do not apply more than 11.8 fl. ozs. (23.6 tbsps.) of this product per 1,000 sq. ft. per application. Do not apply more than 47.2 fl. ozs. (94.5 tbsps.) of this product per 1,000 sq. ft. per year. Minimum retreatment interval is 7 days.		
1 fl. oz. = 2 tablespoonsful		

ORNAMENTALS

Notice to User: Plant sensitivities to this product have been found to be acceptable in specific genera and species listed on this label; however, it is impossible to know sensitivities under all conditions and phytotoxicity may occur. Due to the large number of species and varieties of ornamentals and nursery plants, it is impossible to test every one for sensitivity to this product. Neither the Manufacturer nor Seller recommends use upon species not listed on the label, nor has it been determined that this product can be safely used on ornamental or nursery plants not listed on this label. The user should determine if this product can be used safely prior to commercial use.

Use this product on container, bench or bed-grown ornamentals in greenhouses, shade houses or outdoor nurseries, for professional use on ornamentals grown in indoor and outdoor landscaping and for control of bacterial and fungal diseases of foliage, flowers and stems. Apply as a thorough coverage spray using sufficient water and rate not exceeding the maximum allowable per acre per application stated below under "Use Restrictions". Begin application at first sign of disease and repeat at 7- to 14-day intervals as needed. Use shorter interval during periods of frequent rains or when severe disease conditions persist.

This product may be used alone or in combination with other registered fungicides as a maintenance spray. Observe all precautions and limitations on the label of each product used in tank mixes.

Note: Do not tank-mix this product with Aliette fungicide unless appropriate precautions have been taken to buffer the spray solution. Severe phytotoxicity may result if adequate precautions are not taken. **Use Restrictions:** On Easter Lily, do not apply more than 2.5 lbs. of copper (12.7 qts. of this product) per acre (9.3 fl. ozs. per 1,000 sq. ft.) per application. On other ornamentals, do not apply more than 2 lbs. of copper (10.2 qts. of this product) per acre (7.5 fl. ozs. per 1,000 sq. ft.) per application. Do not apply more than 20 lbs. of copper (102 qts. of this product) per acre (75 fl. ozs. per 1,000 sq. ft.) per year. Minimum retreatment interval is 7 days.

Crop	Latin name	Disease
Althaea (Rose of Sharon)	<i>Hibiscus syriacus</i>	Bacterial leaf spot
Aralia	<i>Dizygotheca elegantissima</i>	Alternaria, Cercospora leaf spot, Xanthomonas leaf spot
Arborvitae	<i>Thuja</i> spp.	Alternaria twig blight, Cercospora leaf blight
Azalea ¹	<i>Rhododendron</i> spp.	Botrytis blight, Cercospora leaf spot, Phytophthora dieback, Powdery mildew
Begonia	<i>Begonia semperflorans</i>	Bacterial leaf spot (<i>Erwina</i> sp., <i>Pseudomonas</i> sp., <i>Xanthomonas</i> spp.)
Bougainvillea	<i>Bougainvillea spectabilis</i>	Anthracnose, Bacterial leaf spot
Bulbs (Tulip, Gladiolus)	—	Anthracnose, Botrytis blight
Camellia	<i>Camellia japonica</i> , <i>C. sasanqua</i>	Anthracnose, Bacterial leaf spot
Camphor tree	<i>Cinnamomum camphora</i>	<i>Pseudomonas</i> leaf spot
Canna	<i>Canna</i> spp.	<i>Pseudomonas</i> leaf spot
Carnation ¹	<i>Dianthus</i> spp.	Alternaria blight, Botrytis blight, <i>Pseudomonas</i> leaf spot
Chinese tallow tree	<i>Sapium sebiferum</i>	Bacterial leaf spot (<i>Pseudomonas</i> spp., <i>Xanthomonas</i> spp.)
Chrysanthemum ¹	<i>Chrysanthemum morifolium</i>	Botrytis blight, Septoria leaf spot
Cotoneaster	<i>Cotoneaster</i> spp.	Botrytis blight
Dahlia	<i>Dahlia pinnata</i>	Alternaria leaf spot, Botrytis gray mold, Cercospora leaf spot
Date palm	<i>Phoenix canariensis</i>	Pestalotia leaf spot
Dianthus	<i>Dianthus</i> spp.	Bacterial soft rot, Bacterial spot
Dogwood	<i>Cornus florida</i>	Anthracnose
Dusty miller	<i>Senecio cineraria</i>	Bacterial leaf spot (<i>Pseudomonas cichorii</i>)
Easter lily ²	<i>Lilium longiflorum</i>	Botrytis blight
Echinacea	<i>Echinacea</i> spp.	Bacterial leaf spot (<i>Pseudomonas cichorii</i>)
Elm "Drake"	<i>Ulmus parvifolia</i>	Xanthomonas leaf spot
Euonymus	<i>Euonymus</i> spp.	Anthracnose, Botrytis blight
European fan palm	<i>Chamaerops humilis</i>	Pestalotia leaf spot
Gardenia	<i>Gardenia jasminoides</i>	Alternaria leaf spot, Botrytis bud rot, Cercospora leaf spot

Crop	Latin name	Disease
Geranium	<i>Pelargonium</i> spp.	Alternaria leaf spot, Botrytis gray mold, Cercospora leaf spot
Gladiolus	<i>Gladiolus</i> spp.	Alternaria leaf spot, Bacterial leaf blight, Botrytis gray mold
Goldenrain tree	<i>Koelreuteria paniculata</i>	Bacterial leaf spot
Hibiscus	<i>Hibiscus rosa-sinensis</i>	Bacterial leaf spot
Holly fern	<i>Cyrtomium falcatum</i>	<i>Pseudomonas</i> leaf spot
Impatiens	<i>Impatiens sallerana</i>	Bacterial leaf spot
India hawthorn ³	<i>Rhaphiolepis indica</i>	Anthracnose, Entomosporium leaf spot
Ivy (English, Algerian) ¹	<i>Hedera helix</i> , <i>H. canariensis</i>	Xanthomonas leaf spot
Ixora	<i>Ixora coccinea</i>	Xanthomonas leaf spot
Juniper (Eastern red cedar)	<i>Juniperus virginiana</i>	Anthracnose
Lantana	<i>Lantana camara</i>	Bacterial leaf spot
Lilac	<i>Syringa</i> spp.	Cercospora leaf spot
Loblolly bay	<i>Gordonia lasianthus</i>	Anthracnose
Loquat	<i>Eriobotrya japonica</i>	<i>Colletotrichum</i> spp., <i>Entomosporium maculata</i>
Magnolia (Saucer)	<i>Magnolia soulangiana</i>	Bacterial leaf spot
Magnolia (Southern)	<i>Magnolia grandiflora</i>	Algal leaf spot, Anthracnose, Bacterial leaf spot
Magnolia (Sweet bay)	<i>Magnolia virginiana</i>	Anthracnose
Mandevillas	<i>Mandevilla</i> spp.	Anthracnose
Marigold	<i>Tagetes</i> spp.	Alternaria leaf spot, Botrytis leaf and flower rot, Cercospora leaf spot
Mulberry, weeping	<i>Morus alba</i>	Bacterial leaf spot
Oak, Laurel	<i>Quercus laurifolia</i>	Algal leaf spot (<i>Cephaleuros virescens</i>)
Oleander	<i>Nerium oleander</i>	Bacterial leaf spot, Fungal leaf spot
Pachysandra	<i>Pachysandra procumbens</i>	Volutella leaf blight
Pansy	<i>Viola</i> spp.	Downy mildew
Pear (Flowering)	<i>Pyrus calleryana</i>	Fireblight, Leaf spot
Pentas (Egyptian star)	<i>Pentas</i> spp.	Bacterial leaf spot (<i>Xanthomonas</i> sp.)
Peony	<i>Paeonia</i> spp.	Botrytis blight
Periwinkle	<i>Catharanthus roseus</i> , <i>Vinca</i> spp.	Phomopsis stem blight
Philodendron	<i>Philodendron selloum</i>	Bacterial leaf spot.
Phlox	<i>Phlox</i> spp.	Alternaria leaf spot
Photinia	<i>Photinia fraseri</i> , <i>P. glabra</i>	Anthracnose, Entomosporium
Pistachio	<i>Pistacia chinensis</i>	Anthracnose
Plantain lily	<i>Hosta</i> spp.	Bacterial leaf spot
Powder puff plant	<i>Calliandra</i> spp.	Bacterial leaf spot
Pyracantha	<i>Pyracantha</i> spp.	Fireblight, scab
Queen palm	<i>Syagrus romanzoffianum</i>	Exosporium leaf spot, Phytophthora bud rot

(Continued)

ORNAMENTALS

Crop	Latin name	Disease
Rhododendron	<i>Rhododendron</i> spp.	Alternaria flower spot
Rose ¹	<i>Rosa</i> spp.	Powdery mildew, Black spot
Verbena	<i>Verbena</i> spp.	Xanthomonas leaf spot
Viburnum	<i>Viburnum odoratissimum</i> , <i>V. suspensum</i>	Anthracnose
Washingtonia palm	<i>Washingtonia robusta</i>	Pestalotia leaf spot
Weeping willow	<i>Salix babylonica</i>	Anthracnose
Yucca (Adam's needle)	<i>Yucca</i> spp.	Cercospora leaf spot, Septoria leaf spot

Note:

- ¹ Discoloration of foliage and/or blooms has been noted on some varieties. To prevent residues on commercial plants, do not spray just before selling season.
- ² Apply this product at 3 to 5 quarts in 20 to 100 gallons of water per acre. Also, see "Use Restrictions".
- ³ For India Hawthorn, use 2 to 4 quarts per 100 gallons of water or 2 to 4 level tablespoons per 3 gallons of water.

FROST INJURY PROTECTION

Bacterial Ice Nucleation Inhibitor - Application of this product made to all crops listed on this label at rates indicated on this label, just prior to anticipated frost conditions, will sustain control of ice nucleating bacteria (*Pseudomonas syringae*, *Erwinia herbicola* and *Pseudomonas fluorescens*) and may therefore provide protection against light frost. Not recommended for those geographic areas where weather conditions favor severe frost.

TREATMENT OF WOOD BASED COMPOSITES (Except California)

For treatment of composite wood products for protection from fungal decay and termite attack, this product can be applied to the furnish (fiber, flakes, chips, particles or strands) either as a solution concentrate or, alternately, diluted with water. The weight percent loading on the furnish should range from 1.0% w/w to 4.0% w/w as copper ammonium acetate complex (0.26 to 1.1% copper metal). The actual amount of copper ammonium acetate complex to make the composite, the desired distribution of this product in the composite, and the anticipated exposure conditions end use of the composite wood product. Consult manufacturer for recommendations on specific products and applications.

Apply the treatment solution by spraying the composite wood component with a low-pressure sprayer. A moderately fine spray, not an aerosol or fog, generally provides the best coverage. Apply in a commercial spray booth. Treatment solution may also be applied by immersing the composite wood components. Immersion systems should be fully contained to recycle any excess solution.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage and disposal.

PESTICIDE STORAGE: Store in original containers only.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL:

For liquid dilutable formulations in 5 gallon or larger nonrefillable containers: Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container one-quarter full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure 2 or more times. Offer for recycling or reconditioning if available, or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by State and Local authorities, by burning. If burned, stay out of smoke.

For liquid dilutable formulations in nonrefillable containers smaller enough to shake (i.e., with capacities equal to or less than 5 gallons): Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container one-half full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

Refillable Containers: Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10% full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

WARRANTY— CONDITIONS OF SALE

OUR DIRECTIONS 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. To the extent consistent with applicable law, Buyer assumes all risks of use, storage and handling of this material not in strict accordance with directions given herewith.

To the extent consistent with applicable law, in no case shall the Manufacturer 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 the Seller and is accepted as such by the Buyer.

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INTENDED FOR HOME AND GARDEN USE



KOP-AM Complex

Liquid Fungicide Spray

ACTIVE INGREDIENT:

Copper diammonia diacetate complex [Bis(acetato-O)diamminecopper]*	27.15%
OTHER INGREDIENTS:	72.85%
TOTAL:	100.0%

* CAS No. 13822-80-5; Metallic copper equivalent, 8.0%. This product contains 0.784 pound of Copper per gallon.

KEEP OUT OF REACH OF CHILDREN
CAUTION

See **FIRST AID** Below
SHAKE WELL BEFORE USING

EPA Reg. No. 19713-509
EPA Est. No. 19713-XX-XXX Net Content: _____

FIRST AID
<p>IF IN EYES:</p> <ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
<p>IF ON SKIN OR CLOTHING:</p> <ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 to 20 minutes. • Call a poison control center or doctor for treatment advice.
<p>IF SWALLOWED:</p> <ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give anything by mouth to an unconscious or convulsing person.
<p>Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For information on this pesticide product (including health concerns, medical emergencies or pesticide incidents), call the National Pesticide Information Center at 1-800-858-7378.</p>

PRECAUTIONARY STATEMENTS
Hazards to Humans and Domestic Animals
CAUTION: Harmful if swallowed. Harmful if absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Wear protective eyewear (goggles, face shield or safety glasses), clothing and chemical-resistant gloves when handling this product. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove contaminated clothing and wash clothing before reuse. Do not use food utensils such as teaspoons or tablespoons for food purposes after use with pesticides.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and aquatic invertebrates and may contaminate water through runoff. Do not apply directly to water. Do not contaminate water when disposing of equipment washwaters or rinseate.

To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Rinsing application over the treated area will help avoid runoff to bodies of water or drainage systems.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact adults, children or pets, either directly or through drift. Only protected users may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

ENTRY RESTRICTION

Do not enter or allow others to enter the treated area until sprays have dried.

USE INFORMATION

The control of diseases with fungicides is based on PREVENTION: plant surfaces must be completely covered with the fungicide to successfully prevent infection. Copper pesticides are considered preventative, not curative. Use the highest indicated rate per crop when disease incidence is high or expected to be, depending on rainfall and temperature. The lower rate is suitable for general and preventative sprays under normal conditions. Since the weather conditions and disease incidence vary, consult your Agricultural Extension Service for timing and initial application. Seek advice on identifying specific disease problems and solutions from your local agricultural extension agent or other knowledgeable persons.

USE INSTRUCTIONS

Partially fill the spray tank with water, add the desired amount of this product and continue filling the tank. If applied with other products, add this product last. Use agitation during mixing and application, until tank is empty. Good bypass agitation is adequate. Observe all precautions and limitations on labeling of all products used in mixtures. In common with all good agricultural practice, start with clean equipment; equipment should be flushed well with water after use.

Note: This product may be reactive on metal and masonry surfaces such as galvanized roofing. **AVOID CONTACT** with metal surfaces. Do not spray on cars, houses, lawn furniture, etc.



Manufactured For:
Drexel Chemical Company
P.O. BOX 13327, MEMPHIS, TN 38113-0327
SINCE 1972

FRUITS AND NUTS

Mix specified rate in 1 gallon of water and apply to 500 sq. ft. Apply 3 gallons of mixed solution to a small tree or bush, 6 gallons of mixed solution to a medium size tree, or 9 gallons of mixed solution to a large tree. Thoroughly spray tree to point of runoff, including upper and lower surfaces of foliage. Do not overspray. Do not mix more spray solution than needed.

Fruits and Nuts	Disease Controlled	Rate per Gallon of Water
Almonds	Brown rot	4 to 6 tsps.
	SPECIFIC DIRECTIONS: Apply at delayed-dormant* bud swell stage. Dormant oil may be used.	
	Shot hole	4 to 6 tsps.
Apples	SPECIFIC DIRECTIONS: Apply at leaf fall to protect buds and shoots from infection during rainy periods. Reapply every 3 to 4 weeks up to late bud swell. Do not apply after full bloom.	
	Anthracnose	4 to 5 tsps.
	SPECIFIC DIRECTIONS: Apply to foliage after harvest, annually.	
	Apple scab (black spot), Bacterial canker, Blossom and Shoot blast	4 to 6 tsps.
	SPECIFIC DIRECTIONS: Apply post-harvest before Fall rains.	
	Fireblight	0.5 to 1 tsp.
	SPECIFIC DIRECTIONS: Apply at 10% bloom and repeat at 5- to 7-day intervals during bloom period. Do not use on copper sensitive varieties.	
Apricots	Fireblight	4 to 6 tsps.
	SPECIFIC DIRECTIONS: Apply as a full cover spray between silver-tip and green-tip. Discontinue when green-tip reaches one-half inch as injuries may occur.	
	Brown rot blossom blight	4 to 6 tsps.
	SPECIFIC DIRECTIONS: Apply at red bud to jacket fall stage.	
Avocados	Shot hole	4 to 6 tsps.
	SPECIFIC DIRECTIONS: Apply at leaf fall to protect buds and shoots from infection during rainy periods. Reapply up to late bud swell. Do not apply after full bloom.	
	Anthracnose	4 tsps.
Bananas	SPECIFIC DIRECTIONS: Apply when the flower buds begin to swell and continue at monthly intervals until August.	
	Sigatoka	1 to 2 tsps.
	SPECIFIC DIRECTIONS: Apply every 1 to 4 weeks.	
Blueberries	Black pitting	2.5 fl. ozs.
	SPECIFIC DIRECTIONS: Apply directly to the fruit stem and include the basal portion of the leaf crown. Apply during the first and second weeks after fruit emergence.	
	Bacterial canker	4 to 5 tsps.
	SPECIFIC DIRECTIONS: Apply with a spreader/sticker before Fall rains and again 4 weeks later.	
Limes	Cane canker	4 to 5 tsps.
	SPECIFIC DIRECTIONS: Apply with a spreader/sticker before Fall rains and again 4 weeks later. In the Spring during wet weather, apply at 7- to 14-day intervals beginning at leaf emergence.	

Fruits and Nuts	Disease Controlled	Rate per Gallon of Water
Caneberries	Anthracnose, Leaf and Cane spot, Purple blotch, Yellow rust	1 to 2 tsps.
	SPECIFIC DIRECTIONS: Apply when leaf buds open. Repeat when flower buds show white and continue at 10- to 14-day intervals.	
	Anthracnose, Bacterial blight, Leaf and Cane spot, Purple blotch, Yellow rust	4 to 6 tsps.
Cherries	SPECIFIC DIRECTIONS: Apply in the Fall after harvest.	
	Deadbud, Coryneum blight	2 fl. ozs.
	SPECIFIC DIRECTIONS: Apply in October (before heavy Fall rains) and again in January. Where disease is severe, another application should be applied in August.	
	Brown rot blossom blight	4 to 6 tsps.
Citrus	SPECIFIC DIRECTIONS: Apply as a full cover spray at popcorn stage and at full bloom.	
	Greasy spot, Melanose, Pink pitting, Scab	2 to 4 tsps.
	SPECIFIC DIRECTIONS: Apply as pre-bloom and post-bloom sprays. May be used in concentrate sprays at equivalent rates.	
	Brown rot	1 to 3 tsps.
Currants, Gooseberries	SPECIFIC DIRECTIONS: Apply in the Fall before or just after heavy rains. In areas of skirt sprays, apply to a height of at least 4 feet.	
	Anthracnose, Leaf spot (cane blight)	3 to 5 tsps.
	SPECIFIC DIRECTIONS: Make 3 applications starting after harvest, before bloom and after petal fall.	
Filberts	Bacterial blight	5 to 6 tsps.
	SPECIFIC DIRECTIONS: Apply after harvest. Under severe conditions, apply again when three-fourths of the leaves have dropped.	
	Eastern filbert blight	5 to 6 tsps.
	SPECIFIC DIRECTIONS: Make initial application after harvest in October before heavy rains begin. The next application should be made in late February to early March followed by another application 1 month later. If desired, add 1 pint of a sticking agent or superior type oil per 100 gallons of water. Use higher rate when rainfall is heavy and disease pressure is high.	
Grapes	Anthracnose, Black rot, Downy mildew, Powdery mildew	1 tsp.
	SPECIFIC DIRECTIONS: Apply just before bud break, when the shoots are 6 to 8 inches long, just after bloom and every 3- to 10-days throughout season as needed. Foliar injury may occur on copper-sensitive varieties.	
Kiwi	<i>Pseudomonas syringae</i> , <i>Erwinia herbicola</i> , <i>Pseudomonas fluorescens</i>	4 tsps.
	SPECIFIC DIRECTIONS: Apply in 200 gallons of water per acre. Make applications on a monthly basis. A maximum of 3 applications may be made.	
Limes	Greasy spot	4 tsps.
	SPECIFIC DIRECTIONS: Apply in June and continue at monthly intervals through August.	

(Continued)

FRUITS AND NUTS

Fruits and Nuts	Disease Controlled	Rate per Gallon of Water
Mangoes (Not for Use in CA)	Anthracnose	4 tsps.
	SPECIFIC DIRECTIONS: Apply monthly from the time the panicles are 2 inches in length until all fruits are set until August.	
Olives	Peacock spot	2 to 4 tsps.
	SPECIFIC DIRECTIONS: Make first application before Winter rains fall. A second application should be made in early Spring if disease is severe.	
Peaches, Nectarines	Bacterial spot	4 tsps.
	SPECIFIC DIRECTIONS: Apply as a dormant spray. Make post-bloom application at 0.5 tsp. per gallon at first and second cover sprays. DO NOT spray later than 3 weeks prior to harvest. DO NOT use at rates above those specified. Note: Slight defoliation and spotting of leaves may occur from use in cover sprays.	
	Blossom brown rot	4 to 6 tsps.
	SPECIFIC DIRECTIONS: Apply as dormant or delayed-dormant* spray. Can use with dormant spray oil. DO NOT apply at or after full bloom.	
	Leaf curl, Shot hole	4 to 6 tsps.
SPECIFIC DIRECTIONS: Apply at leaf fall to protect buds and shoots from infection during rainy periods. Reapply up until late bud swell. DO NOT apply after full bloom.		
Pears, Quince	Fire blight	0.5 to 1 tsp.
	SPECIFIC DIRECTIONS: Apply at 10% bloom and repeat at 5- to 7-day intervals throughout the bloom period. Do not use on copper-sensitive varieties.	
	Blossom blast	4 to 6 tsps.
SPECIFIC DIRECTIONS: Apply as a dormant spray. Apply only at bud break to control primary infection.		
Pecans	Shuck and Kernel rot, Zonate leaf spot	2 to 5 tsps.
	SPECIFIC DIRECTIONS: For suppression, apply in sufficient water to ensure complete spray coverage at 2- to 4-week intervals starting at kernel growth and continuing until shucks open. Use the higher rate and shorter interval if frequent rainfall occurs.	
Pistachios	Alternaria late blight	4 to 6 tsps.
	SPECIFIC DIRECTIONS: Apply at 50% and full bloom followed by up to 3 applications at 30-day intervals.	
	Botrytis blight, Botryosphaeria panicle, Shoot blight, Septoria leaf blight	4 to 6 tsps.
SPECIFIC DIRECTIONS: Make initial application at bud swell and repeat on a 14- to 28-day schedule as dictated by disease conditions. If disease conditions are severe, use the higher rate and shorter interval.		
Plums, Prunes	Brown rot blossom blight, Coryneum blight (shot hole)	4 to 6 tsps.
	SPECIFIC DIRECTIONS: Apply as a dormant spray before heavy rains begin. For Brown rot, apply at early green bud to full popcorn stages.	
	Bacterial blast, Bacterial canker	4 to 6 tsps.
	SPECIFIC DIRECTIONS: Apply at dormant to early pink stage.	

Fruits and Nuts	Disease Controlled	Rate per Gallon of Water
Strawberries	Leaf spot, Scorch	3 to 4 tsps.
	SPECIFIC DIRECTIONS: Apply at 7- to 10-day intervals from the time new growth starts until harvest.	
Walnuts	Walnut blight	4 to 6 tsps.
	SPECIFIC DIRECTIONS: Make first application at early pre-bloom. Make second application at late pre-bloom. Make additional applications if disease conditions persist.	
* Delayed-dormant – The period just before blossom buds break open.		

VEGETABLES

Mix specified rate in 1 gallon of water and apply 2 gallons of mixed solution per 1,000 sq. ft. (1 gallon of mixed solution per 500 sq. ft.).

Vegetables	Disease Controlled	Rate per Gallon of Water
Beans, Lentils, Peas (succulent and dry)	Bacterial blight (halo and common)	2 to 6 tsps.
	SPECIFIC DIRECTIONS: Apply when plants are 3 to 5 inches high and before diseases appear. Repeat at 7- to 10-day intervals.	
Beets	Cercospora leaf spot	3 to 6 tsps.
	SPECIFIC DIRECTIONS: Apply when disease appears making 3 to 6 sprays at 10- to 14-day intervals. Apply more frequently under severe disease pressure.	
Carrots	Early and Late blight	4 to 6 tsps.
SPECIFIC DIRECTIONS: Apply when plants are 6 inches high. Make 3 to 5 applications at 7- to 10-day intervals.		
Celery	Bacterial blight, Early and Late blight	4 to 6 tsps.
	SPECIFIC DIRECTIONS: Apply as soon as plants are established in the field and repeat at 7-day intervals.	
Corn (pop, sweet)	Bacterial rot, Bacterial stripe, Bacterial wilt, Leaf blight, Stalk rot	4 tsps.
	SPECIFIC DIRECTIONS: Apply when disease appears and repeat as necessary.	
Crucifers [Broccoli, Brussels sprouts, Cabbage, Cauliflower, Greens (collard, mustard, turnip)]	Black leaf spot, Black rot	2 to 6 tsps.
	SPECIFIC DIRECTIONS: Apply when disease appears and repeat at 7- to 10-day intervals.	
	Downy mildew	1 to 2 tsps.
SPECIFIC DIRECTIONS: Apply when disease appears and repeat at 7- to 10-day intervals.		
Cucurbits, (Cantaloupe, Cucumber, Honeydew, Muskmelon, Pumpkin, Squash, Watermelon)	Alternaria leaf spot, Angular leaf spot, Anthracnose, Downy mildew, Powdery mildew, Gummy stem blight, Watermelon bacterial fruit blotch	3 to 4 tsps.
	SPECIFIC DIRECTIONS: Apply when disease appears and repeat at 5- to 10-day intervals.	
Eggplant	Alternaria blight, Anthracnose, Phomopsis	4 tsps.
	SPECIFIC DIRECTIONS: Apply before disease appears and repeat at 7- to 10-day intervals.	

(Continued)

VEGETABLES

Vegetables	Disease Controlled	Rate per Gallon of Water
Onions	Downy mildew, Purple blotch	4 tsps.
	SPECIFIC DIRECTIONS: Apply when plants are 4 to 6 inches high and repeat at 7- to 10-day intervals.	
Peanuts	Cercospora leaf spot	3 to 6 tsps.
	SPECIFIC DIRECTIONS: Apply on first appearance of disease and repeat at 7- to 14-day intervals.	
	Pod rot complex (<i>Pythium myriotylum</i> , <i>Rhizoctonia solani</i> and <i>Sclerotium rolfsii</i>)	3 fl. ozs.
	SPECIFIC DIRECTIONS: Apply at pegging in a 12- to 15-inch band over the row.	
Peppers	Bacterial spot, Cercospora leaf spot	3 to 6 tsps.
	SPECIFIC DIRECTIONS: Make first application upon emergence of seedlings or immediately after transplanting and repeat at 7- to 10-day intervals. When disease is severe, apply at 4- to 5-day intervals. Note: Disease control is critical during fruiting.	
Potatoes	Early and Late blight	3 to 6 tsps.
	SPECIFIC DIRECTIONS: Apply on first appearance of disease and continue on 5- to 10-day intervals.	
Spinach	Anthracnose, Cercospora leaf spot, Downy mildew	3 tsps.
	SPECIFIC DIRECTIONS: Apply on first appearance of disease and repeat at 7- to 10-day intervals.	
Tomatoes	Bacterial speck, Bacterial spot, Early and Late blight	3 tsps.
	SPECIFIC DIRECTIONS: Make first application upon emergence of seedlings or immediately after transplanting and repeat at 3- to 10-day intervals. When disease is severe, apply at 3- to 5-day intervals. Complete coverage is essential for disease control. Note: While the labeled rate is particularly effective against Bacterial spot, a tank mix with Maneb or Mancozeb used at the labeled rates controls a broad range of diseases.	

MISCELLANEOUS

For Herbs: Mix specified rate in 1 gallon of water and apply 2 gallons of mixed solution per 1,000 sq. ft. (0.5 gallon of solution per 250 sq. ft.).
For Trees: Mix specified rate in 1 gallon of water and apply to 500 sq. ft. Apply 3 gallons of mixed solution to a small tree, 6 gallons to a medium size tree, or 9 gallons of mixed solution to a large tree. Thoroughly spray tree to point of runoff, including upper and lower surfaces of foliage. Do not overspray. Do not mix more spray solution than needed.

Crop	Disease Controlled	Rate per Gallon of Water
Carambolas	Anthracnose	6 tsps.
	SPECIFIC DIRECTIONS: Make initial application just before flowering and repeat on a weekly schedule until just before harvest. Apply in sufficient water for thorough coverage.	
Chives	Downy mildew	4 tsps.
	SPECIFIC DIRECTION: Begin applications when plants are first established in the field. Repeat applications every 7 to 10 days as dictated by disease conditions. If disease pressure is high, use the shorter spray interval.	

MISCELLANEOUS

Crop	Disease Controlled	Rate per Gallon of Water
Dill	Phoma leaf spot, Rhizoctonia foliage blight	6 tsps.
	SPECIFIC DIRECTIONS: Begin applications when plants are first established in the field and repeat at 7- to 10-day intervals depending upon disease severity and environmental conditions. If disease pressure is high, use the shorter spray interval.	
Douglas fir	Rhabdocline needlecast	4 tsps.
	SPECIFIC DIRECTIONS: Begin applications at bud break and repeat at 1- to 4-week intervals. Apply in a tank mix with another registered pesticide if moderate to severe disease pressure is present.	
Guava	Anthracnose, Red algae	6 tsps.
	SPECIFIC DIRECTION: Make initial application just before flowering and repeat on a weekly schedule until just before harvest. Apply in sufficient water for thorough coverage.	
Litchi	Anthracnose	6 tsps.
	SPECIFIC DIRECTION: Make initial application just before flowering and repeat on a weekly schedule until just before harvest. Apply in sufficient water for thorough coverage.	
Live Oak	Ball moss	2 fl. ozs.
	SPECIFIC DIRECTIONS: Apply in the Spring when Ball moss is actively growing, using 1.5 gallons of spray per foot of tree height. Make sure to wet Ball moss tufts thoroughly. A second application may be required after 12 months. Note: This product may be injurious to ornamentals grown under Live oaks. This product may be reactive on metal and masonry surfaces such as galvanized roofing. Avoid contact with metal surfaces. Do not spray on cars, houses, lawn furniture, etc.	
	SPECIFIC DIRECTIONS: Apply during raceme development and bloom periods. Apply in sufficient water for thorough coverage.	
Macadamia	Anthracnose	3 tsps.
	SPECIFIC DIRECTIONS: Initiate spray at first sign of flowering and repeat on a weekly schedule until just before harvest. Apply in sufficient water for thorough coverage.	
	Phytophthora blight, Raceme blight	2 to 3 tsps.
Papaya	Anthracnose	2 to 5 tsps.
	SPECIFIC DIRECTIONS: Begin applications before disease appears and repeat at 14-day intervals. Use higher rates when conditions favor disease.	
Parsley	Bacterial blight	6 tsps.
	SPECIFIC DIRECTIONS: Begin applications when plants are first established in the field and repeat at 10 day intervals depending upon disease severity and environmental conditions.	
Passion fruit	Anthracnose	3 tsps.
	SPECIFIC DIRECTIONS: Make initial application just before flowering and repeat on a weekly schedule until just before harvest. Apply in sufficient water for thorough coverage.	
Sugar apples (Annona)	Anthracnose	4 to 6 tsps.
	SPECIFIC DIRECTIONS: Make initial application just before flowering and repeat on a weekly schedule until just before harvest. Apply in sufficient water for thorough coverage.	
Sycamore	Anthracnose	4 to 6 tsps.
	SPECIFIC DIRECTIONS: Apply as a full coverage spray. Apply in 1 gallon of water or sufficient volume for thorough coverage. Make first application at bud crack and second application 7 to 10 days later at 10% leaf expansion.	

TURFGRASS

To control Algae in Ornamental lawns and Turfgrass, apply 0.7 pint of this product per 1,000 square feet in 5 gallons of water. This product may be used alone or in combination with other registered fungicides as a maintenance spray. Observe all precautions and limitations on the label of each product used in tank mixes.

Use Restrictions: Do not apply more than 3 lbs. of copper (30.6 pts. of this product) per acre (0.7 pt. per 1,000 sq. ft.) per application. Do not apply more than 9 lbs. of copper (91.8 pts. of this product) per acre (2.1 pts. per 1,000 sq. ft.) per year. Minimum retreatment interval is 10 days.

Note: Phytotoxicity may occur depending upon varietal differences. Apply the specified rate to a small area and observe for 7 to 10 days for signs of injury. If phytotoxicity occurs, discontinue use. Do not apply in a spray solution with a pH of less than 6.5.

ORNAMENTALS

Notice to User: Plant sensitivities to this product have been found to be acceptable in specific genera and species listed on this label; however, it is impossible to know sensitivities under all conditions and phytotoxicity may occur. Due to the large number of species and varieties of ornamentals and nursery plants, it is impossible to test every one for sensitivity to this product. Neither the Manufacturer nor Seller recommends use upon species not listed on the label, nor has it been determined that this product can be safely used on ornamental or nursery plants not listed on this label. The user should determine if this product can be used safely prior to use.

Apply as a thorough coverage spray using 2 teaspoonfuls of this product per gallon of water. Apply at the rate of one gallon mixed spray to 500 sq. ft. For trees or bushes, apply 3 gallons of mixed solution to a small tree or bush, 6 gallons of mixed solution to a medium-sized tree, or 9 gallons of mixed solution to a large tree. Begin application at first sign of disease and repeat at 7- to 14-day intervals as needed. Use shorter interval during periods of frequent rains or when severe disease conditions persist. Do not apply more than 2 lbs. of copper (7.5 fl. ozs. per 1,000 sq. ft.) per application. Do not apply more than 20 lbs. of copper (75 fl. ozs. per 1,000 sq. ft.) per year.

This product may be used alone or in combination with other registered fungicides as a maintenance spray. Observe all precautions and limitations on the label of each product used in tank mixes. **Note:** Do not tank-mix this product with Aliette fungicide unless appropriate precautions have been taken to buffer the spray solution. Severe phytotoxicity may result if adequate precautions are not taken.

Ornamental	Latin name	Disease
Althaea (Rose of Sharon)	<i>Hibiscus syriacus</i>	Bacterial leaf spot
Aralia	<i>Dizygotheca elegantissima</i>	Alternaria, Cercospora leaf spot, Xanthomonas leaf spot
Arborvitae	<i>Thuja spp.</i>	Alternaria twig blight, Cercospora leaf blight
Azalea ¹	<i>Rhododendron spp.</i>	Botrytis blight, Cercospora leaf spot, Phytophthora dieback, Powdery mildew
Begonia	<i>Begonia semperflorens</i>	Bacterial leaf spot (<i>Erwina sp.</i> , <i>Pseudomonas sp.</i> , <i>Xanthomonas spp.</i>)
Bougainvillea	<i>Bougainvillea spectabilis</i>	Anthracnose, Bacterial leaf spot
Bulbs (Tulip, Gladiolus)	—	Anthracnose, Botrytis blight
Camellia	<i>Camellia japonica</i> , <i>C. sasanqua</i>	Anthracnose, Bacterial leaf spot
Camphor tree	<i>Cinnamomum camphora</i>	<i>Pseudomonas</i> leaf spot
Canna	<i>Canna spp.</i>	<i>Pseudomonas</i> leaf spot
Carnation ¹	<i>Dianthus spp.</i>	Alternaria blight, Botrytis blight, <i>Pseudomonas</i> leaf spot
Chinese tallow tree	<i>Sapium sebiferum</i>	Bacterial leaf spot (<i>Pseudomonas spp.</i> , <i>Xanthomonas spp.</i>)
Chrysanthemum ¹	<i>Chrysanthemum morifolium</i>	Botrytis blight, Septoria leaf spot

Ornamental	Latin name	Disease
Cotoneaster	<i>Cotoneaster spp.</i>	Botrytis blight
Dahlia	<i>Dahlia pinnata</i>	Alternaria leaf spot, Botrytis gray mold, Cercospora leaf spot
Date palm	<i>Phoenix canariensis</i>	Pestalotia leaf spot
Dianthus	<i>Dianthus spp.</i>	Bacterial soft rot, Bacterial spot
Dogwood	<i>Cornus florida</i>	Anthracnose
Dusty miller	<i>Senecio cineraria</i>	Bacterial leaf spot (<i>Pseudomonas cichorii</i>)
Echinacea	<i>Echinacea spp.</i>	Bacterial leaf spot (<i>Pseudomonas cichorii</i>)
Elm "Drake"	<i>Ulmus parvifolia</i>	Xanthomonas leaf spot
Euonymus	<i>Euonymus spp.</i>	Anthracnose, Botrytis blight
European fan palm	<i>Chamaerops humilis</i>	Pestalotia leaf spot
Gardenia	<i>Gardenia jasminoides</i>	Alternaria leaf spot, Botrytis bud rot, Cercospora leaf spot
Geranium	<i>Pelargonium spp.</i>	Alternaria leaf spot, Botrytis gray mold, Cercospora leaf spot
Gladiolus	<i>Gladiolus spp.</i>	Alternaria leaf spot, Bacterial leaf blight, Botrytis gray mold
Goldenrain tree	<i>Koelreuteria paniculata</i>	Bacterial leaf spot
Hibiscus	<i>Hibiscus rosa-sinensis</i>	Bacterial leaf spot
Holly fern	<i>Cyrtomium falcatum</i>	<i>Pseudomonas</i> leaf spot
Impatiens	<i>Impatiens sallerana</i>	Bacterial leaf spot
India hawthorn ²	<i>Rhaphiolepis indica</i>	Anthracnose, Entomosporium leaf spot
Ivy (English, Algerian) ¹	<i>Hedera helix</i> , <i>H. canariensis</i>	Xanthomonas leaf spot
Ixora	<i>Ixora coccinea</i>	Xanthomonas leaf spot
Juniper (Eastern red cedar)	<i>Juniperus virginiana</i>	Anthracnose
Lantana	<i>Lantana camara</i>	Bacterial leaf spot
Lilac	<i>Syringa spp.</i>	Cercospora leaf spot
Loblolly bay	<i>Gordonia lasianthus</i>	Anthracnose
Loquat	<i>Eriobotrya japonica</i>	<i>Colletotrichum spp.</i> , <i>Entomosporium maculata</i>
Magnolia (Saucer)	<i>Magnolia soulangiana</i>	Bacterial leaf spot
Magnolia (Southern)	<i>Magnolia grandiflora</i>	Algal leaf spot, Anthracnose, Bacterial leaf spot
Magnolia (Sweet bay)	<i>Magnolia virginiana</i>	Anthracnose
Mandevillas	<i>Mandevilla spp.</i>	Anthracnose
Marigold	<i>Tagetes spp.</i>	Alternaria leaf spot, Botrytis leaf and flower rot, Cercospora leaf spot
Mulberry, weeping	<i>Morus alba</i>	Bacterial leaf spot
Oak, Laurel	<i>Quercus laurifolia</i>	Algal leaf spot (<i>Cephaleuros virescens</i>)
Oleander	<i>Nerium oleander</i>	Bacterial leaf spot, Fungal leaf spot

(Continued)

ORNAMENTALS

Ornamental	Latin name	Disease
Pachysandra	<i>Pachysandra procumbens</i>	Volutella leaf blight
Pansy	<i>Viola</i> spp.	Downy mildew
Pear (Flowering)	<i>Pyrus calleryana</i>	Fireblight, Leaf spot
Pentas (Egyptian star)	<i>Pentas</i> spp.	Bacterial leaf spot (<i>Xanthomonas</i> sp.)
Peony	<i>Paeonia</i> spp.	Botrytis blight
Periwinkle	<i>Catharanthus roseus</i> , <i>Vinca</i> spp.	Phomopsis stem blight
Philodendron	<i>Philodendron selloum</i>	Bacterial leaf spot
Phlox	<i>Phlox</i> spp.	Alternaria leaf spot
Photinia	<i>Photinia fraseri</i> , <i>P. glabra</i>	Anthracnose, Entomosporium
Pistachio	<i>Pistacia chinensis</i>	Anthracnose
Plantain lily	<i>Hosta</i> spp.	Bacterial leaf spot
Powder puff plant	<i>Calliandra</i> spp.	Bacterial leaf spot
Pyracantha	<i>Pyracantha</i> spp.	Fireblight, scab
Queen palm	<i>Syagrus romanzoffianum</i>	Exosporium leaf spot, Phytophthora bud rot
Rhododendron	<i>Rhododendron</i> spp.	Alternaria flower spot
Rose ¹	<i>Rosa</i> spp.	Powdery mildew, Black spot
Verbena	<i>Verbena</i> spp.	Xanthomonas leaf spot
Viburnum	<i>Viburnum odoratissimum</i> , <i>V. suspensum</i>	Anthracnose
Washingtonia palm	<i>Washingtonia robusta</i>	Pestalotia leaf spot
Weeping willow	<i>Salix babylonica</i>	Anthracnose
Yucca (Adam's needle)	<i>Yucca</i> spp.	Cercospora leaf spot, Septoria leaf spot

Note:

¹ Discoloration of foliage and/or blooms has been noted on some varieties. To prevent residues on commercial plants, do not spray just before selling season.

² For India Hawthorn, use 2 to 4 level tablespoons per gallon of water.

FROST INJURY PROTECTION

Bacterial Ice Nucleation Inhibitor - Application of this product made to all crops listed on this label at rates indicated on this label, just prior to anticipated frost conditions, will sustain control of ice nucleating bacteria (*Pseudomonas syringae*, *Erwinia herbicola* and *Pseudomonas fluorescens*) and may therefore provide protection against light frost. Not recommended for those geographic areas where weather conditions favor severe frost.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage and disposal. **PESTICIDE STORAGE:** Store in secure, locked area away from pets and out of the reach of children. Store only in original container and place in a locked storage area. **PESTICIDE DISPOSAL:** Call you local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain. **CONTAINER DISPOSAL:** Nonrefillable container. Do not reuse or refill this container. Place in trash or offer for recycling, if available. If partly filled, call you local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

WARRANTY— CONDITIONS OF SALE

OUR DIRECTIONS 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. To the extent consistent with applicable law, Buyer assumes all risks of use, storage and handling of this material not in strict accordance with directions given herewith.

To the extent consistent with applicable law, in no case shall the Manufacturer 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 the Seller and is accepted as such by the Buyer.

Optional Marketing Statements:

- Ready-to-spray bottle
- Intended for Home and Garden Use
- Controls many diseases listed, attacking Citrus, Fruits, Nuts, Vegetables and Ornamentals.
- Intended for Residential Use only.

200f 22

FOR HOSE-END APPLICATOR



KOP-AM Complex

Liquid Fungicide Spray

ACTIVE INGREDIENT:

- Copper diammonia diacetate complex [Bis(acetato-O)diamminecopper]* 27.15%
- OTHER INGREDIENTS:** 72.85%
- TOTAL:** 100.0%

* CAS No. 13822-80-5; Metallic copper equivalent, 8.0%.
 This product contains 0.784 pound of Copper per gallon. (One quart of this product contains 0.196 pound of copper)

KEEP OUT OF REACH OF CHILDREN
CAUTION
 See FIRST AID Below
SHAKE WELL BEFORE USING

EPA Reg. No. 19713-509
 EPA Est. No. 19713-XX-XXX

Net Content:
 1 Quart

FIRST AID
<p>IF IN EYES:</p> <ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
<p>IF ON SKIN OR CLOTHING:</p> <ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 to 20 minutes. • Call a poison control center or doctor for treatment advice.
<p>IF SWALLOWED:</p> <ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give anything by mouth to an unconscious or convulsing person.
<p>Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For information on this pesticide product (including health concerns, medical emergencies or pesticide incidents), call the National Pesticide Information Center at 1-800-858-7378.</p>

USER SAFETY RECOMMENDATIONS
Users should: 1) Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. 2) Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. 3) Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS
 This pesticide is toxic to fish and aquatic invertebrates and may contaminate water through runoff. Do not contaminate water when disposing of equipment washwaters or rinsate.
 To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Rinsing application over the treated area will help avoid runoff to bodies of water or drainage systems.

DIRECTIONS FOR USE
 It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact adults, children or pets, either directly or through drift. Only protected users may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

ENTRY RESTRICTION
 Do not enter or allow others to enter the treated area until sprays have dried.

USE INFORMATION
 The control of diseases with fungicides is based on PREVENTION: plant surfaces must be completely covered with the fungicide to successfully prevent infection. Copper pesticides are considered preventative, not curative. Seek advice on identifying specific disease problems and solutions from your local agricultural extension agent or other knowledgeable persons.

PRECAUTIONARY STATEMENTS
Hazards to Humans and Domestic Animals
CAUTION: Harmful if swallowed. Harmful if absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Wear protective eyewear (goggles, face shield or safety glasses), clothing and chemical-resistant gloves when handling this product. Wash thoroughly with soap and water after handling and before eating, drinking or using tobacco. Remove contaminated clothing and wash clothing before reuse. Do not use food utensils such as teaspoons or tablespoons for food purposes after use with pesticides.

Manufactured For:
Drexel Chemical Company
 P.O. BOX 13327, MEMPHIS, TN 38113-0327
SINCE 1972

USE INSTRUCTIONS

APPLICATION: Thoroughly spray tree or bush to the point of runoff, including upper and lower surfaces of any foliage. Do not overspray.

Note: This product may be reactive on metal and masonry surfaces such as galvanized roofing. AVOID CONTACT with metal surfaces. Do not spray on cars, houses, lawn furniture, etc.

One quart of this product makes up to 48 gallons of spray solution and may be applied to 16 small trees or 8 medium-sized trees or 5 large trees.

HOW TO USE THIS SPRAYER: Shake container well before getting started.

1. Before you start, the blue top water flow valve should be in the "OFF" position, and the red product flow valve should be in the up "OFF" position.
2. Shake container well and attach it to your garden hose.
3. Turn on the water from the faucet.
4. To apply, remove side pin (label "PULL OUT") and rotate red product flow valve to "ON"; then, while holding sprayer at waist level and pointing in a direction away from face and body, push blue water flow valve forward to activate water.
5. When you are finished spraying, or if you have to stop spraying at any time, press blue water flow valve with thumb to the rear to shut off water and return red valve to the upright "OFF" position and replace side pin.
6. Turn off the water at the faucet.
7. Remove the container from the garden hose. Then rinse thoroughly and store according to storage instructions.

FRUITS AND NUTS

Fruits and Nuts	Disease Controlled
Almonds	Brown rot
	SPECIFIC DIRECTIONS: Apply at delayed-dormant* bud swell stage, just before blossom buds break open.
	Shot hole
Apples	Apple scab (black spot), Bacterial canker, Blossom and Shoot blast
	SPECIFIC DIRECTIONS: Apply post-harvest before Fall rains.
Apricots	Brown rot blossom blight
	SPECIFIC DIRECTIONS: Apply when buds show red in color until brown bud jackets have fallen.
	Shot hole
Avocados	Anthraco-nose
	SPECIFIC DIRECTIONS: Begin application when the flower buds begin to swell and continue at monthly intervals until August.
Blueberries (Not for Use in CA)	Bacterial canker
	SPECIFIC DIRECTIONS: Apply before Fall rains and again 4 weeks later.
	Cane canker
Walnuts	Walnut blight
	SPECIFIC DIRECTIONS: Apply before Fall rains and again 4 weeks later. In the Spring during wet weather, apply at 7- to 14-day intervals beginning at leaf emergence.

Fruits and Nuts	Disease Controlled
Caneberries	Anthraco-nose, Bacterial blight, Leaf and Cane spot, Purple blotch, Yellow rust
	SPECIFIC DIRECTIONS: Apply in the Fall after harvest.
Cherries	Brown rot blossom blight
	SPECIFIC DIRECTIONS: Apply as a full cover spray at popcorn stage and at full bloom.
Citrus	Greasy spot, Melanose, Pink pitting, Scab
	SPECIFIC DIRECTIONS: Apply as pre-bloom and post-bloom sprays.
Currants, Gooseberries	Anthraco-nose, Leaf spot (cane blight)
	SPECIFIC DIRECTIONS: Make 3 applications starting after harvest, before bloom and after petal fall.
Limes	Greasy spot
	SPECIFIC DIRECTIONS: Apply in June and continue at monthly intervals through August.
Mangoes (Not for use in CA)	Anthraco-nose
	SPECIFIC DIRECTIONS: Apply monthly from the time the panicles are 2 inches in length until all fruits are set until August.
Olives	Peacock spot
	SPECIFIC DIRECTIONS: Make first application before Winter rains fall. A second application should be made in early Spring if disease is severe.
Peaches, Nectarines	Bacterial spot
	SPECIFIC DIRECTIONS: Apply as a dormant spray.
	Blossom brown rot
	SPECIFIC DIRECTIONS: Apply as dormant or delayed-dormant* spray. DO NOT apply at or after full bloom.
Pears	Leaf curl, Shot hole
	SPECIFIC DIRECTIONS: Apply at leaf fall to protect buds and shoots from infection during rainy periods. Reapply up until late bud swell. DO NOT apply after full bloom.
Pecans	Blossom blast
	SPECIFIC DIRECTIONS: Apply as a dormant spray. Apply only at bud break to control primary infection.
Pistachios	Shuck and Kernel rot, Zonate leaf spot
	SPECIFIC DIRECTIONS: For suppression, apply at 2- to 4-week intervals starting at kernel growth and continuing until shucks open. Use shorter interval if frequent rainfall occurs.
Plums, Prunes	Alternaria late blight
	SPECIFIC DIRECTIONS: Apply at 50% and full bloom followed by up to 3 applications at 30-day intervals.
	Botrytis blight, Botryosphaeria panicle, Shoot blight, Septoria leaf blight
Walnuts	SPECIFIC DIRECTIONS: Make initial application at bud swell and repeat on a 14- to 28-day schedule as dictated by disease conditions. If disease conditions are severe, use the shorter interval.
	Coryneum blight (shot hole)
	SPECIFIC DIRECTIONS: Apply as a dormant spray before heavy rains begin.
Walnuts	Bacterial blast, Bacterial canker
	SPECIFIC DIRECTIONS: Apply at dormant to early pink stage.
Walnuts	Walnut blight
	SPECIFIC DIRECTIONS: Make first application at early pre-bloom. Make second application at late pre-bloom. Make additional applications if disease conditions persist.

* Delayed-dormant – The period just before blossom buds break open.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage and disposal.

PESTICIDE STORAGE: Store in secure, locked area away from pets and out of the reach of children. Store only in original container and place in a locked storage area.

PESTICIDE DISPOSAL: Call you local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

CONTAINER DISPOSAL: Nonrefillable container. Do not reuse or refill this container. Place in trash or offer for recycling, if available. If partly filled, call you local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

WARRANTY— CONDITIONS OF SALE

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To the extent consistent with applicable law, in no case shall the Manufacturer 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 the Seller and is accepted as such by the Buyer.

Optional Marketing Statements:

- Ready-to-spray bottle
- Just attach to garden hose and spray
- Intended for Home and Garden Use
- Intended for Residential Use Only
- Controls many listed diseases attacking Citrus and Fruit and Nut Trees