



U.S. ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Registration Division (7505C)  
1200 Pennsylvania Ave., N.W.  
Washington, D.C. 20460

EPA Reg.  
Number:

26883-21

Date of Issuance:

NOV 16 2000

**NOTICE OF PESTICIDE:**

X  Registration  
    Reregistration

(under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

AG Copp 75

Name and Address of Registrant (include ZIP Code):

American Chemet Corporation  
P.O. Box 437  
Deerfield, IL 60015-0437

**Note:** Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product when the Agency requires all registrants of similar products to submit such data.
2. Make the following label changes before you release the product for shipment:
  - a. Revise the EPA Registration Number to read, "EPA Reg. No. 26883-21".
  - b. Add the statement "May cause skin irritation" to the Precautionary Statements.
  - c. At the beginning of the list of Personal Protective Equipment (PPE) within the Precautionary Statements, add the statements "Some of the materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category A on an EPA chemical-resistance category selection chart." In addition, revise the requirement for "waterproof gloves" to a requirement for "chemical-resistant gloves made of any waterproof material such as polyethylene or polyvinyl chloride."

Signature of Approving Official:

Date:

NOV 16 2000

page 2

EPA Reg. No. 26883-21

- d. Within the list of PPE for early re-entry in the Agricultural Use Requirements box, revise the requirement for "waterproof gloves" to a requirement for "chemical-resistant gloves made of any waterproof material."
- e. Add the statement "This pesticide is toxic to fish" to the beginning of the Environmental Hazards section.
3. Submit one copy of the revised final printed label for the record before you release the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

Daniel Kenny  
Acting Product Manager (22)  
Fungicide Branch  
Registration Division (7505C)

Enclosure

DK:305-7546:FB/PM22

CONCURRENCES

SYMBOL	7505C							
SURNAME	D. KENNY							
DATE	11/16/2000							

3/16

AMERICAN CHEMET CORPORATION  
AG Copp 75  
FUNGICIDE FOR AGRICULTURAL USE

ACTIVE INGREDIENT:

Cuprous oxide (Cu<sub>2</sub>O)..... 82%\*

INERT INGREDIENTS..... 18%

TOTAL..... 100.0%

\* Metallic copper equivalent : 75%

Net Contents: 25 Kg.

ACCEPTED  
with COMMENTS  
In EPA Letter Dated

NOV 16 2000

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

26883-21

**WARNING**  
**KEEP OUT OF REACH OF CHILDREN**

**FIRST AID**  
(STATEMENT OF PRACTICAL TREATMENT)

**IF SWALLOWED:** Call a poison control center 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 person.

**IF ON SKIN OR CLOTHING:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

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

**IF INHALED:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for treatment advice.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

**PRECAUTIONARY STATEMENTS**  
**HAZARDS TO HUMANS & DOMESTIC ANIMALS**

**WARNING:** Causes substantial but temporary eye injury. Harmful if swallowed or absorbed through skin. Do not get in eyes or on clothing. Avoid contact with skin. Avoid breathing dust or spray mist. Wash thoroughly with soap and water after handling.

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

Applicators and other handlers who handle this pesticide for any use covered by Worker Protection Standard (40 CFR Part 170) must wear:

- Long sleeved shirt and long pants
- Protective eyewear
- Waterproof gloves
- Shoes and socks

Follow manufacturer's instructions for cleaning/maintaining PPE. If there are no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

**USER SAFETY RECOMMENDATIONS**

Users should:

- \* Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- \* Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- \* 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, to areas where surface water is present or intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment or wash waters.

## 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 (WPS), 40 CFR Part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries and 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), notification to workers, 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.
- \* 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:
  - o Coveralls
  - o Protective eyewear
  - o Waterproof gloves
  - o Shoes and socks
- \* Notify workers of the application by warning them and by posting warning signs at entrances to treated areas.

### STORAGE AND DISPOSAL

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

#### STORAGE

Store in a cool, dry place.

#### DISPOSAL

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: Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

### LIMITED WARRANTY AND LIABILITY

NOTICE: Read this Limited Warranty and Liability before buying or using this product. If the terms are not acceptable, return it at once unopened. It is critical that this product be used and mixed only as specified on the label. The laws of a State may make some or all of this paragraph inapplicable or may give you rights in addition to your rights hereunder. Except to the extent prohibited by applicable law, the exclusive remedy of the User or Buyer and the limit of liability of this Company or any other Seller for any and all losses, personal injuries or damages resulting from the use of this product, shall be the purchase price paid by the User or Buyer for the quantity of product involved. Except to the extent prohibited by State Law, there is no warranty, and this Company and other Sellers disclaim all liability for losses, personal injury or damages: (i) arising from any use of this product in a manner or for a purpose not recommended in its label directions, or from mixing this product before use with any substance except as recommended by the product's label; (ii) arising from handling on storage in violation of label instructions; (iii) for all indirect special or consequential damages; (iv) when not reported to this company within one year of discovery; and (v) arising from product not used within the label-designated shelf life or four years from date of purchase, whichever first occurs. THERE ARE NO IMPLIED WARRANTIES, AND NO WARRANTIES OF MERCHANTABILITY OR FITNESS.

### GENERAL INSTRUCTIONS

Use American Chemet's AGCopp 75 product as noted. AGCopp 75 is adaptable to spraying from all types of spray equipment. Depending on the equipment used and the specific crop, the volume applied per acre will differ. For dilute, high volume sprays: use from 234 to 935 liters of water per hectare (LPH) for most vegetable crops, 3,741 to 7,483 LPH for fruit orchards and up to 14,030 LPH as may be required for large citrus groves. For concentrate ground sprays apply from 47 to 187 LPH for most vegetable crops and 234 to 935 LPH for fruit and nut crops. For aerial spraying, 28 to 140 LPH are commonly used.

### MIXING DIRECTIONS

Add American Chemet's product slowly to a spray tank partially filled with water. Spreader/stickers, insecticides, nutrients, etc., should be added last. Observe all cautions and limitations on labels of all products used in mixtures.

Manufactured by:

**American Chemet Corporation**  
**P.O. Box 1160**  
**East Helena, MT 59635 U.S.A.**  
**EPA Est. No. 26883MT01**

The following specific instructions are based on general applications. Where a dosage range is specific, apply higher dosage when disease conditions are severe. The recommendations of State Agricultural Extension Services should be closely followed as to timing, frequency and number of sprays per season. CHEMIGATION: DO NOT apply this product through any type of irrigation system.

CROP	DISEASE	LATIN NAME	RATE	REMARKS
Almonds	Brown rot blossom blight	Monilinia laxa	Dilute: 1.3-3.4 lbs./100gal.	Apply in dormant/delayed-dormant sprays through popcorn state.
	Coryneum blight (shot hole)	Stigmata carpophila	Concentrate: 5.4 -13.4 lbs./A	
	Bacterial blast	Pseudomonas syringae	Aerial: 5.4 -13.4 lbs./A Dilute 2.0-2.7 lbs./100gal.	
Apples	Bacterial canker	Pseudomonas spp.	Dilute 1.3-2.7 lbs./100gal.	Apply as dormant spray.
	Apple scab (black spot)	Venturia inaequalis	Concentrate: 2.0-3.4 lbs./100gal.	Apply only at bud break to control primary infection.
Apricots	Brown rot blossom blight	Monilinia spp.	Dilute: 1.3-2.7 lbs./100gal.	Apply in dormant/delayed-dormant sprays through popcorn state. Do not apply after bloom.
	Coryneum blight (shot hole)	Stigmata carpophila	Concentrate: 5.4 -13.4 lbs./A. Aerial: 5.4 - 13.4 lbs./A	
Avocados	Anthracnose	Glomerella cingulata	Dilute: 1.3-2.0 lbs./100gal.	Apply when blossom buds open. Repeat at monthly intervals for 5-6 applications.
	Scab	Sphaceloma perseae	Concentrate 5.4 - 6.7lbs./A	
Bananas	Sigatoka	Cercospora musae	1.7-2.7 lbs./A	Apply every 3-4 weeks.
Blueberries	Bacterial canker	Pseudomonas spp.	2.7-4.0 lbs./100gal. plus spreader/sticker	Apply before fall rains and again 4 weeks later.
	Cane canker	Physalospora corticus	2.7-4.0 lbs./100gal. plus spreader/sticker	Apply before fall rains and again 4 weeks later. In the spring during wet weather, apply at 10-14 day intervals beginning at leaf emergence.
Caneberries (blackberries, youngberries, loganberries, red & black raspberries)	Anthracnose	Gloeosporium allantosporum	1.3 lbs./100gal.	Apply when leaf buds open. Repeat when flower buds show white and continue at 10-14 day intervals.
	Bacterial blight	Pseudomonas syringae	1.3-2.7 lbs./100gal.	Apply delayed-dormant spray in the spring and again in the fall.
	Leaf and cane spot	Septoria rubi	1.3-2.7 lbs./100gal.	Apply delayed-dormant spray in the spring and make a fall application.
	Yellow rust	Kuchnola uredinis Phragmidium rubi-idae		
Cherries	Brown rot blossom blight	Monilinia spp.	1.3-3.4 lbs./100gal.	Apply at popcorn to full bloom stage. Apply before heavy rains in the fall and again in dormant/delayed-dormant sprays. If disease is severe, apply a later summer spray after harvest.
	Coryneum blight (shot hole)	Stigmata carpophila	Dilute: 2.7-4.0 lbs./100gal.	
	Dead bud	Pseudomonas syringae	Concentrate: 5.4 -13.4 lbs./A	

CROP	DISEASE	LATIN NAME	RATE	REMARKS
Citrus	Melanose	Phomopsis spp.	Dilute: 0.5-2.0 lbs./100gal.	Florida and Texas Apply as pre-bloom and post-bloom sprays
	Fruit rot	Diplodia natalensis	Concentrate: 2.7-13.4 lbs./A	
	Spot anthracnose (scab)	Diaporthe citri	Aerial: 2.7-13.4 lbs./A	
	Greasy spot (pink pitting)	Elsino fawcetti		
	Brown rot	Mycosphaerella citri		
		Phylophthora	Dilute: 0.3-1.3 lbs./100gal.	Apply in the fall just before rainy season Apply as an overall or skirt spray. Apply to the soil beneath the trees. Use with lime in areas where copper injury is known to occur.
		citrophthora		
Cocoa	Black pod rot	Phylophthora palmivora	1.3-2.7 lbs./A	Apply on 14-21 day schedule in high rainfall areas.
Coffee	Iron spot	Cercospora spp.	1.3-5.4 lbs./A	Apply 3 applications at monthly intervals at the beginning of the wet season.
	Pink disease	Corticium salmoni color		
	Leaf rust	Hemileia vastatrix	2.3- 5.4 lbs./A	Apply as locally recommended, usually at 3-4 week intervals depending upon disease severity and rainfall condition.
	Leaf spot	Mycena citricolor		
	Berry spot	Cercospora coffeicola		
Cranberries	Fruit rot	Ceuthospora lunata	5.4 lbs./A	Begin application in late bloom. 1-2 additional applications at 10-14 day intervals may be necessary. Apply delayed-dormant spray in the spring. Repeat as needed through pre-bloom.
	Stem and leaf blight	Botryosphaeria vaccinii	5.4 lbs./A	
	Red leaf spot	Exobasidium vaccinii		
Currants	Leaf spot (cane blight)	Botryosphaeria ribis	3.4-6.7 lbs./A	Make 3 applications starting after harvest. before bloom and after petal fall.
Gooseberries				
Filberts	Bacterial blight	Pseudomonas spp.	2.7-3.4 lbs./100gal.	Apply in late August or early September. Under severe conditions, apply another application when 3/4 of the leaves have dropped.
		Xanthomonas spp.		

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CROP	DISEASE	LATIN NAME	RATE	REMARKS
Grapes	Black rot Downy mildew	Gulgnardia bicwellii Plasmopora viticola	1.3 lbs./A	Apply the first application when the shoots are 15-20 cm long. A second application should be applied just after bloom and a third before fruit changes color or every 4-10 days if disease is severe.
	Powdery mildew	Uncinula necator	1.3 lbs./A	Apply the first application when shoots are 15-20 cm long. A second application should be applied just before blooming. Foliar injury occurs on copper-sensitive varieties.
Mangoes	Anthrachnose	Glomerella cingulata	Dilute 1.3 lbs./100gal. Concentrate: 2.7-3.4 lbs./A	Apply monthly after fruit set until harvest
Olives	Peacock spot	Cycloconium oleaginum	Dilute 1.3-2.0 lbs./100gal.	Apply prior to winter rains. A second application in the early spring should be made under severe disease symptoms.
	Anthrachnose	Gleosporium olivarum	Concentrate: 5.4 -8.0 lbs./A	
Peaches	Brown rot blossom blight	Monilinia spp.	Dilute: 1.3-2.7 lbs./100gal.	For leaf curl and shot hole, apply in dormant/delayed-dormant sprays. For brown rot and shot hole apply before bud swell in the full pink bud stage. Apply as a dormant spray. Apply post-bloom at first and second cover sprays. Slight injury to the foliage may occur with post bloom sprays.
Nectarines	Coryneum blight (shot hole)	Stigmina carpophila	Concentrate: 5.4-13.4 lbs./A	
	Leaf curl	Taphrina deformans	Aerial: 5.4-13.4 lbs./A	
	Bacterial spot	Xanthomonas pruni	1.3 lbs./100gal. 0.2 lbs./100gal.	
Pears	Fire blight	Erwinia amylovora	Dilute: 0.2-0.3 lbs./100gal. Concentrate: 0.7-1.3 lbs./A	Apply at 10% bloom and repeat at 5-7 day intervals during the bloom period. Do not use on copper-sensitive varieties.
	Blossom blast	Pseudomonas syringae	Dilute: 1.3-2.7 lbs./100gal. Concentrate: 2.0-3.4 lbs./A	Apply as a dormant spray. Apply only at bud break to control primary infection.
Plums	Brown rot blossom blight	Monilinia spp.	Dilute: 2.7-3.4 lbs./100gal.	Apply as a dormant spray before heavy rains begin. For brown rot, apply at early green bud to full popcorn stages.
Prunes	Coryneum blight (shot hole)	Stigmina carpophila	Concentrate: 8.0-13.4 lbs./A Aerial: 10.7-13.4 lbs./A	
Quince	Fire blight	Erwinia amylovora	Dilute: 0.2-0.3 lbs./100gal. Concentrate: 0.7-1.3 lbs./A	Apply at 10% bloom and repeat at 5-7 day intervals during bloom period. Do not use on copper-sensitive varieties.
	Blossom blast	Pseudomonas syringae	Dilute: 1.3-2.7 lbs./100gal. Concentrate: 2.0-3.4 lbs./A	Apply as a dormant spray. Apply only at bud break to control primary infection.

2/16

CROP	DISEASE	LATIN NAME	RATE	REMARKS
Strawberries	Leaf spot	<i>Mycosphaerella fragariae</i>	1.3-2.0 lbs./100gal.	Begin application when plants are established and continue on a weekly schedule.
	Bacterial leaf blight	<i>Pseudomonas</i> spp.	1.3-2.0 lbs./A	
Tea	Blister blight	<i>Exobasidium vexans</i>	1.3 – 2.7 oz/A	Apply on a 7-10 day schedule.
Walnuts	Walnut blight	<i>Xanthomonas juglandis</i>	Dilute: 1.3-2.7 lbs./100gal. Concentrate: 5.4 - 8.0 lbs./A Aerial: 5.4-8.0 lbs./A	Make first application at early pre-bloom when the catkins are partially expanded. Make additional applications at 7-10 day intervals or more frequently if rainfall occurs.
Alfalfa	Leaf spots	<i>Cercospora</i> spp. <i>Leptosphaerulina</i> spp.	1.3-2.7 lbs./A	Apply by ground or air 10-14 days prior to harvest. Slight injury may occur to sensitive varieties.
Beans	Bacterial blight (halo blight) Anthracnose  Downy mildew Cercospora leaf spot	<i>Xanthomonas phaseoli</i> <i>Pseudomonas phaseolicola</i> <i>Colletotrichum lindemuthianum</i> <i>Peronospora</i> spp. <i>Cercospora</i> spp.	0.7-2.7 lbs./A	Begin applications by ground or air when plants are 12-15 cm high and repeat at 10-14 day intervals
Beets	Downy mildew Leaf spot	<i>Peronospora</i> spp. <i>Cercospora beticola</i>	0.7-2.0 lbs./A	Apply by ground or air when disease first appears and repeat at 7-14 day intervals.
Broccoli	Downy mildew	<i>Peronospora parasitica</i>	0.3-0.7 lbs./A	Apply at 7 day intervals.
Brussels Sprouts, Cabbage, Cauliflower	Black rot  Black leaf spot	<i>Xanthomonas campestris</i> <i>Alternaria</i> spp.	0.7-2.0 lbs./A	Apply by ground or air when disease first appears and repeat it at 7-14 day intervals.
Carrots	Downy mildew Blight	<i>Peronospora</i> spp. <i>Cercospora</i> spp. <i>Alternaria</i> spp.	1.3-2.7 lbs./A	Apply by ground or air when disease appears and repeat at 7-14 day intervals.
Celery	Bacterial blight Early blight Late blight	<i>Pseudomonas apii</i> <i>Cercospora apii</i> <i>Septoria apii</i>	1.3-2.7 lbs./A	Apply by ground or air when disease appears and repeat at 7-14 days intervals.



CROP	DISEASE	LATIN NAME	RATE	REMARKS
Cucurbits	Downy mildew	<i>Pseudoperonospora cubensis</i>	1.0-1.3 lbs./A	Apply by ground or air when disease appears
(cantaloupes, honeydew,	Angular leaf spot	<i>Pseudomonas lachrymans</i>		and repeat at 7-10 intervals.
	Anthrachnose	<i>Colletotrichum lagenarium</i>		
cucumbers, pumpkins,	Alternaria leaf spot	<i>Alternaria cucumerina</i>		
squash,	Bacterial wilt	<i>Erwinia tracheiphila</i>		
water-melons)	Gummy stem blight	<i>Mycosphaerella melonis</i>		
Eggplant	Alternaria blight	<i>Alternaria</i> spp.	1.3-2.7 lbs./A	Apply by ground or air when disease appears
	Anthrachnose	<i>Colletotrichum</i> spp.		and repeat at 7-10 day intervals.
	Fruit rot	<i>Phomopsis vexans</i>		
Hops	Downy mildew	<i>Pseudoperonospora humuli</i>	1.3 lbs./A	Apply as needed at 10 day intervals. Begin with crown treatment (after pruning but before training) and continue until 2 weeks before harvest.
Lettuce	Downy mildew	<i>Bremia lactucae</i>	0.7-1.3 lbs./A	Apply by ground or air when disease appears and repeat at 7-10 day intervals. Slight injury may occur under adverse weather conditions.
Onions	Downy mildew	<i>Peronospora</i> spp.	1.3-2.7 lbs./A	Apply by ground or air when plants are 10-15 cm high and repeat at 7-10 day intervals.
	Purple blotch	<i>Alternaria porri</i>		
Peanuts	<i>Cercospora</i> leaf spot	<i>Cercospora personata</i>	1.0-2.0 lbs./A	Apply by ground or air when disease appears and repeat at 7-14 day intervals. May be tank-mixed with sulfur to enhance control.
Peppers	Bacterial spot	<i>Xanthomonas vesicatoria</i>	1.3-2.7 lbs./A	Apply by ground or air when disease appears
	Anthrachnose	<i>Colletotrichum</i> spp.		and repeat at 7-10 intervals.
	Early blight	<i>Alternaria solani</i>		
	Late blight	<i>Phytophthora infestans</i>		
	Leaf spot	<i>Cercospora capsici</i>		
	Downy mildew	<i>Peronospora</i> spp.		
Potatoes	Early blight	<i>Alternaria solani</i>	0.7-4.0 lbs./A	Apply at 7-10 day intervals when plants are 15 cm high up until harvest. Apply by ground or air.
	Late blight	<i>Phytophthora infestans</i>	1.3-2.7 lbs./A	Apply by ground or air before disease appears and repeat as needed at 7-10 day intervals

CROP	DISEASE	LATIN NAME	RATE	REMARKS
Spinach	Anthrachnose	Glomerella spp.	1.3-2.0 lbs./A	Apply by ground or air when disease appears and repeat at 7-10 day intervals.
	Cercospora leaf spot	Cercospora spp.		
	Downy mildew	Peronospora effusa		
	White rust	Albugo accidentalis		
Sugarbeets	Cercospora leaf spot	Cercospora personata	1.0-2.0 lbs./A	Apply by ground or air when disease appears and repeat at 7-14 day intervals. May be tank-mixed with sulfur to enhance control.
Tobacco	Damping off diseases	Various	3.4-4.0 lbs./A	Avoid overwatering. Dust the seed bed after planting. Apply on 7-10 day basis when disease appears. Destroy all infected plants. Apply just before transplanting and when topped. Apply every 7-10 days when disease appears. Apply every 7 days from seeding to transplanting. Apply every 7 days when disease appears.
	Angular leaf spot	Pseudomonas angulata	2.7-3.4 lbs./A	
	Frog eye disease	Cercospora nicotianae	2.7-3.4 lbs./A	
	Brown spot	Alternaria longpipes	2.7-3.4 lbs./A	
	Wildfire	Pseudomonas tabaci	1.3 lbs./A	
	Blue mold	Peronospora tabacina	1.3 lbs./A	
Tomatoes	Bacterial spot	Xanthomonas vesicatoria	1.3-2.7 lbs./A	Apply prior to the appearance of the disease by ground or air and repeat 7-10 day intervals.
	Bacterial speck	Pseudomonas tomato		
	Bacterial canker	Corynebacterium michiganense		
	Anthrachnose	Glomerella phomoides		
	Early blight	Alternaria solani		
	Late blight	Phytophthora infestans		
	Leaf mold	Cladosporium fulvum		
	Septoria leaf spot	Septoria lycopersici		
	Gray leaf spot	Stemphylium solani		

# ENGLISH (METRIC) LABEL

The following specific instructions are based on general applications. Where a dosage range is specified, apply higher dosage when disease conditions are severe. The recommendations of State Agricultural Extension Services should be closely followed as to timing, frequency and number of sprays per season. CHEMIGATION: DO NOT apply this product through any type of irrigation system.

CROP	DISEASE	LATIN NAME	RATE	REMARKS
Almonds	Brown rot blossom blight	Monilinia laxa	Dilute: 0.16-0.40 Kg/100 L	Apply in dormant/delayed-dormant sprays through popcorn state.
	Coryneum blight (shot hole)	Stigmata carpophila	Concentrate: 6-14.5 Kg/Ha Aerial: 6-14.5 Kg/Ha	
	Bacterial blast	Pseudomonas syringae	Dilute 0.24- 0.32 Kg/100 L	
Apples	Bacterial canker	Pseudomonas spp.	Dilute 0.16-0.32 Kg/100 L	Apply as dormant spray. Apply only at bud break to control primary infection.
	Apple scab (black spot)	Venturia inaequalis	Concentrate: 2.2-3.7 Kg/Ha	
Apricots	Brown rot blossom blight	Monilinia spp.	Dilute: 0.16-0.32 Kg/100 L	Apply in dormant/delayed-dormant sprays through popcorn state. Do not apply after bloom.
	Coryneum blight (shot hole)	Stigmata carpophila	Concentrate: 6-14.5 Kg/Ha Aerial: 6-14.5 Kg/Ha	
Avocados	Anthrachnose	Glomerella cingulata	Dilute: 0.16-0.24 Kg/100 L	Apply when blossom buds open. Repeat at monthly intervals for 5-6 applications.
	Scab	Sphaceloma perseae	Concentrate 6.0-7.3 Kg/Ha	
Bananas	Sigatoka	Cercospora musae	1.9 to 2.9 Kg/Ha	Apply every 3-4 weeks.
Blueberries	Bacterial canker	Pseudomonas spp.	0.32 - 0.48 Kg/100 L plus spreader/sticker	Apply before fall rains and again 4 weeks later.
	Cane canker	Physalospora corticus	0.32 - 0.48 Kg/100 L plus spreader/sticker	Apply before fall rains and again 4 weeks later. In the spring during wet weather, apply at 10-14 day intervals beginning at leaf emergence.
Caneberries (blackberries, youngberries, loganberries, red & black raspberries)	Anthrachnose	Gloeosporium allantosporum	0.16 Kg/100 L	Apply when leaf buds open. Repeat when flower buds show white and continue at 10-14 day intervals.
	Bacterial blight	Pseudomonas syringae	0.16 - 0.32 Kg/100 L	Apply delayed-dormant spray in the spring and again in the fall.
	Leaf and cane spot Yellow rust	Septoria rubi Kuchnola uredinis Phragmidium rubi-idaei	0.16 - 0.32 Kg/100 L	Apply delayed-dormant spray in the spring and make a fall application.
Cherries	Brown rot blossom blight	Monilinia spp.	0.16 - 0.40 Kg/100 L	Apply at popcorn to full bloom stage. Apply before heavy rains in the fall and again in dormant/delayed-dormant sprays. If disease is severe, apply a later summer spray after harvest.
	Coryneum blight (shot hole)	Stigmata carpophila	Dilute: 0.32 - 0.48 Kg/100 L	
	Dead bud	Pseudomonas syringae	Concentrate: 6-14.5 Kg/Ha	

CROP	DISEASE	LATIN NAME	RATE	REMARKS
Citrus	Melanose	Phomopsis spp.	Dilute: 0.06-0.24 Kg/100 L	Florida and Texas
	Fruit rot	Diplodia natalensis	Concentrate: 2.9 -14.5 Kg/Ha	Apply as pre-bloom and post-bloom sprays
	Spot anthracnose (scab)	Diaporthe citri	Aerial: 4.4-22 Kg/Ha	
	Greasy spot (pink pitting)	Elsino lawcetti		
		Mycosphaerella citri		
	Brown rot	Phylophthora citrophthora	Dilute: 0.04-0.16 Kg/100 L	Apply in the fall just before rainy season Apply as an overall or skirt spray. Apply to the soil beneath the trees. Use with lime in areas where copper injury is known to occur.
Cocoa	Black pod rot	Phylophthora palmivora	1.4-2.9 Kg/Ha	Apply on 14-21 day schedule in high rainfall areas.
Coffee	Iron spot	Cercospora spp.	1.4-6.0 Kg/Ha	Apply 3 applications at monthly intervals at the beginning of the wet season.
	Pink disease	Corticium salmoni color		
	Leaf rust	Hemileia vastatrix	2.6-6.0 Kg/Ha	Apply as locally recommended, usually at 3-4 week intervals depending upon disease severity and rainfall condition.
	Leaf spot	Mycena citricolor		
	Berry spot	Cercospora coffeicola		
Cranberries	Fruit rot	Ceuthospora lunata	6 Kg/Ha	Begin application in late bloom. 1-2 additional applications at 10-14 day intervals may be necessary.
	Stem and leaf blight	Botryosphaeria vaccinii	6 Kg/Ha	Apply delayed-dormant spray in the spring. Repeat as needed through pre-bloom.
	Red leaf spot	Exobasidium vaccinii		
Currants	Leaf spot (cane blight)	Botryosphaeria ribis	3.7-7.3 Kg/Ha	Make 3 applications starting after harvest. before bloom and after petal fall.
Gooseberries				
Filberts	Bacterial blight	Pseudomonas spp.	0.32-0.40 Kg/100 L	Apply in late August or early September. Under severe conditions, apply another application when 3/4 of the leaves have dropped.
		Xanthomonas spp.		

12/16

CROP	DISEASE	LATIN NAME	RATE	REMARKS
Grapes	Black rot Downy mildew	Gulgnardia bicwellii Plasmopora viticola	1.4 Kg/Ha	Apply the first application when the shoots are 15-20 cm long. A second application should be applied just after bloom and a third before fruit changes color or every 4-10 days if disease is severe.
	Powdery mildew	Unicinula necator	1.4 Kg/Ha	Apply the first application when shoots are 15-20 cm long. A second application should be applied just before blooming. Foliar injury occurs on copper-sensitive varieties.
Mangoes	Anthracnose	Glomerella cingulata	Dilute 0.16 Kg/100 L Concentrate: 2.9-3.7 Kg/Ha	Apply monthly after fruit set until harvest
Olives	Peacock spot Anthracnose	Cycloconium oleaginum Gleospodium olivarum	Dilute 0.16-0.24 Kg/100 L Concentrate: 6-9 Kg/Ha	Apply prior to winter rains. A second application in the early spring should be made under severe disease symptoms.
	Brown rot blossom blight Coryneum blight (shot hole) Leaf curl	Monilinia spp. Stigmata carpophila Taphrina deformans	Dilute: 0.16-0.32 Kg/100 L Concentrate: 6-14.5 Kg/Ha Aerial: 6-14.5 Kg/Ha	For leaf curl and shot hole, apply in dormant/delayed-dormant sprays. For brown rot and shot hole apply before bud swell in the full pink bud stage.
Peaches Nectarines	Bacterial spot	Xanthomonas pruni	0.16 Kg/100 L 0.02 Kg/100 L	Apply as a dormant spray. Apply post-bloom at first and second cover sprays. Slight injury to the foliage may occur with post bloom sprays.
Pears	Fire blight	Erwinia amylovora	Dilute: 0.02-0.04 Kg/100 L Concentrate: 0.7-1.4 Kg/Ha	Apply at 10% bloom and repeat at 5-7 day intervals during the bloom period. Do not use on copper-sensitive varieties.
	Blossom blast	Pseudomonas syringae	Dilute: 0.16-0.32 Kg/100 L Concentrate: 2.25-3.7 Kg/Ha	Apply as a dormant spray. Apply only at bud break to control primary infection.
Plums Prunes	Brown rot blossom blight Coryneum blight (shot hole)	Monilinia spp. Stigmata carpophila	Dilute: 0.32-0.40 Kg/100 L Concentrate: 9-14.5 Kg/Ha Aerial: 12-14.5 Kg/Ha	Apply as a dormant spray before heavy rains begin. For brown rot, apply at early green bud to full popcorn stages.
Quince	Fire blight	Erwinia amylovora	Dilute: 0.02-0.04 Kg/100 L Concentrate: 0.7-1.4 Kg/Ha	Apply at 10% bloom and repeat at 5-7 day intervals during bloom period. Do not use on copper-sensitive varieties.
	Blossom blast	Pseudomonas syringae	Dilute: 0.16- 0.32 Kg/100 L Concentrate: 2.2-3.7 Kg/Ha	Apply as a dormant spray. Apply only at bud break to control primary infection.

13/16

CROP	DISEASE	LATIN NAME	RATE	REMARKS
Strawberries	Leaf spot	Mycosphaerella fragariae	0.16-0.24 Kg/100 L	Begin application when plants are established and continue on a weekly schedule.
	Bacterial leaf blight	Pseudomonas spp.	1.4-2.2 Kg/Ha	
Tea	Blister blight	Exobasidium vexans	0.09-0.18 Kg/Ha	Apply on a 7-10 day schedule.
Walnuts	Walnut blight	Xanthomonas juglandis	Dilute: 0.16-0.32 Kg/100 L	Make first application at early pre-bloom when the catkins are partially expanded. Make additional applications at 7-10 day intervals or more frequently if rainfall occurs.
			Concentrate: 6-9 Kg/Ha Aerial: 6-9 Kg/Ha	
Alfalfa	Leaf spots	Cercospora spp.	1.4-2.8 Kg/Ha	Apply by ground or air 10-14 days prior to harvest. Slight injury may occur to sensitive varieties.
		Leptosphaerulina spp.		
Beans	Bacterial blight (halo blight)	Xanthomonas phaseoli	0.7-2.9 Kg/Ha	Begin applications by ground or air when plants are 12-15 cm high and repeat at 10-14 day intervals
	Anthraxnose	Pseudomonas phaseolicola		
	Downy mildew Cercospora leaf spot	Colletotrichum lindemuthianum		
		Peronospora spp. Cercospora spp.		
Beets	Downy mildew	Peronospora spp.	0.7-2.2 Kg/Ha	Apply by ground or air when disease first appears and repeat at 7-14 day intervals.
	Leaf spot	Cercospora beticola		
Broccoli	Downy mildew	Peronospora parasitica	0.3-0.7 Kg/Ha	Apply at 7 day intervals.
Brussels Sprouts, Cabbage, Cauliflower	Black rot	Xanthomonas campestris	0.7-2.2 Kg/Ha	Apply by ground or air when disease first appears and repeat it at 7-14 day intervals.
	Black leaf spot	Alternaria spp.		
Carrots	Downy mildew Blight	Peronospora spp.	1.4-2.9 Kg/Ha	Apply by ground or air when disease appears and repeat at 7-14 day intervals.
		Cercospora spp.		
		Alternaria spp.		
Celery	Bacterial blight	Pseudomonas apii	1.4-2.9 Kg/Ha	Apply by ground or air when disease appears and repeat at 7-14 days intervals.
	Early blight	Cercospora apii		
	Late blight	Septoria apii		

CROP	DISEASE	LATIN NAME	RATE	REMARKS
Cucurbits	Downy mildew	<i>Pseudoperonospora cubensis</i>	1.0-1.4 Kg/Ha	Apply by ground or air when disease appears
(cantaloupes, honeydew,	Angular leaf spot	<i>Pseudomonas lachrymans</i>		and repeat at 7-10 intervals.
	Anthrachnose	<i>Colletotrichum lagenarium</i>		
cucumbers, pumpkins,	Alternaria leaf spot	<i>Alternaria cucumerina</i>		
squash,	Bacterial wilt	<i>Erwinia tracheiphila</i>		
water-melons)	Gummy stem blight	<i>Mycosphaerella melonis</i>		
Eggplant	Alternaria blight	<i>Alternaria</i> spp.	1.4-2.9 Kg/Ha	Apply by ground or air when disease appears
	Anthrachnose	<i>Colletotrichum</i> spp.		and repeat at 7-10 day intervals.
	Fruit rot	<i>Phomopsis vexans</i>		
Hops	Downy mildew	<i>Pseudoperonospora humuli</i>	1.4 Kg/Ha	Apply as needed at 10 day intervals. Begin with crown treatment (after pruning but before training) and continue until 2 weeks before harvest.
Lettuce	Downy mildew	<i>Bremia lactucae</i>	0.7-1.4 Kg/Ha	Apply by ground or air when disease appears and repeat at 7-10 day intervals. Slight injury may occur under adverse weather conditions.
Onions	Downy mildew	<i>Peronospora</i> spp.	1.4-2.9 Kg/Ha	Apply by ground or air when plants are 10-15 cm high and repeat at 7-10 day intervals.
	Purple blotch	<i>Alternaria porri</i>		
Peanuts	<i>Cercospora</i> leaf spot	<i>Cercospora personata</i>	1.0-2.2 Kg/Ha	Apply by ground or air when disease appears and repeat at 7 -14 day intervals. May be tank-mixed with sulfur to enhance control.
Peppers	Bacterial spot	<i>Xanthomonas vesicatoria</i>	1.4-2.9 Kg/Ha	Apply by ground or air when disease appears
	Anthrachnose	<i>Colletotrichum</i> spp.		and repeat at 7-10 intervals.
	Early blight	<i>Alternaria solani</i>		
	Late blight	<i>Phytophthora infestans</i>		
	Leaf spot	<i>Cercospora capsici</i>		
	Downy mildew	<i>Peronospora</i> spp.		
Potatoes	Early blight	<i>Alternaria solani</i>	0.7-4.4 Kg/Ha	Apply at 7-10 day intervals when plants are 15 cm high up until harvest. Apply by ground or air.
	Late blight	<i>Phytophthora infestans</i>	1.4-2.9 Kg/Ha	Apply by ground or air before disease appears and repeat as needed at 7-10 day intervals

CROP	DISEASE	LATIN NAME	RATE	REMARKS
Spinach	Anthrachnose	Glomerella spp.	1.4-2.2 Kg/Ha	Apply by ground or air when disease appears and repeat at 7-10 day intervals.
	Cercospora leaf spot	Cercospora spp.		
	Downy mildew	Peronospora effusa		
	White rust	Albugo accidentalis		
Sugarbeets	Cercospora leaf spot	Cercospora personata	1.0-2.2 Kg/Ha	Apply by ground or air when disease appears and repeat at 7-14 day intervals. May be tank-mixed with sulfur to enhance control.
Tobacco	Damping off diseases	Various	3.7- 4.4 Kg/Ha	Avoid overwatering. Dust the seed bed after planting.
	Angular leaf spot	Pseudomonas angulata	2.9-3.7 Kg/Ha	Apply on 7-10 day basis when disease appears. Destroy all infected plants.
	Frog eye disease	Cercospora nicotianae	2.9-3.7 Kg/Ha	Apply just before transplanting and when topped.
	Brown spot	Alternaria longpipes	2.9-3.6 Kg/Ha	Apply every 7-10 days when disease appears.
	Wildfire	Pseudomonas tabaci	1.4 Kg/Ha	Apply every 7 days from seeding to transplanting.
	Blue mold	Peronospora tabacina	1.4 Kg/Ha	Apply every 7 days when disease appears.
Tomatoes	Bacterial spot	Xanthomonas vesicatoria	1.4-2.9 Kg/Ha	Apply prior to the appearance of the disease by ground or air and repeat 7-10 day intervals.
	Bacterial speck	Pseudomonas tomato		
	Bacterial canker	Corynebacterium michiganense		
	Anthrachnose	Glomerella phomoides		
	Early blight	Alternaria solani		
	Late blight	Phytophthora infestans		
	Leaf mold	Cladosporium fulvum		
	Septoria leaf spot	Septoria lycopersici		
	Gray leaf spot	Stemphylium solani		