

26883-21

03-19-2010

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

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Julie Mann
Agent for American
Chemet Corporation
Steptoe & Johnson LLP
1330 Connecticut Ave., N.W.
Washington, D.C. 20036

MAR 19 2010

Subject: Notification(s) for Label Revisions under PRN 2007-4 and 98-10

Dear Ms. Mann:

The Agency is in receipt of your Application(s) for Pesticide Notification under Pesticide Registration Notices (PRN) 2007-4 and 98-10 dated February 19, 2010 for:

EPA Registration 26883-21

AG Copp 75

The Registration Division (RD) has conducted a review of the request(s) for applicability under PRN 2007-4 and 98-10 and finds that the label changes requested fall within the scope of PRN 2007-4 and 98-10. The label has been date-stamped "Notification" and will be placed in our records.

Please be reminded that 40 CFR Part 156.140(a)(4) requires that a batch code, lot number, or other code identify the batch of the pesticide distributed and sold be placed on nonrefillable containers. The code may appear either on the label (and can be added by non-notification/PR Notice 98-10) or durably marked on the container itself.

If you have any questions, please contact me directly at 703-305-6249 or Nicole Williams of my staff at 703-308-5551.

Sincerely,

A handwritten signature in black ink, appearing to read "Linda Arrington".

Linda Arrington
Notifications & Minor Formulations Team Leader
Registration Division (7505P)
Office of Pesticide Programs

2
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EPA	United States Environmental Protection Agency Washington, DC 20460	<input type="checkbox"/> Registration <input type="checkbox"/> Amendment <input checked="" type="checkbox"/> Other	OPP Identifier Number
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Application for Pesticide – Section I

1. Company/Product Number 26883-21 4. Company/Product (Name) AG Copp 75 5. Name and Address of Applicant (Include ZIP Code) American Chemet Corporation P.O. Box 437 Deerfield, IL 60015 <input type="checkbox"/> Check if this is a new address	2. EPA Product Manager Tony Kish PM# 22 3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted 6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____
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Section - II

<input type="checkbox"/> Amendment – Explain below. <input type="checkbox"/> Resubmission in response to Agency letter dated _____ <input checked="" type="checkbox"/> Notification – Explain Below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____ <input type="checkbox"/> "Me Too" Application <input type="checkbox"/> Other – Explain Below.
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NOTIFICATION**MAR 19 2010****Explanation:** Use additional page(s) if necessary. (For Section I and Section II.)**Notification of label changes to incorporate revised container disposal statements per PR Notice 2007-4 and additional minor label revisions per PR Notice 98-10.**

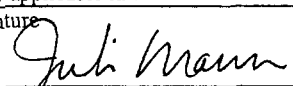
This notification is consistent with the guidance in PR Notice 2007-4 and PR Notice 98-10 and the requirements of EPA's regulations at 40 CFR §§ 152.46, 156.10, 156.140, 156.144, 156.146, and 156.156. No other changes have been made to the labeling or the Confidential Statement of Formula for this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if the amended label is not consistent with the requirements of 40 CFR §§ 152.46, 156.10, 156.140, 156.144, 156.146, and 156.156, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

FORWARD CORRESPONDENCE for this action to: Juli Mann, Steptoe & Johnson LLP, 1330 Connecticut Ave., NW, Washington, D.C. 20036.

Section - III

1. Material This Product Will Be Packaged In:			
Child-Resistant Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Type of Container <input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input checked="" type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____
* Certification must be submitted If "Yes" Unit Packaging wgt. No. per Container		If "Yes" Packaging wgt. No. per Container	
3. Location of Net Contents Information <input type="checkbox"/> Label <input checked="" type="checkbox"/> Container		4. Size(s) Retail Container 25 kg, 300 kg	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input checked="" type="checkbox"/> Paper Glued <input type="checkbox"/> Stenciled		5. Location of Label Directions <input checked="" type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application..)			
Name Juli Mann	Title Paralegal Specialist, Steptoe & Johnson	Telephone No. (Include Area Code) (202) 429-3095	
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law			6. Date Application Received (Stamped)
2. Signature 	3. Title Paralegal Specialist, Steptoe & Johnson LLP, Agent for American Chemet		
4. Typed Name Juli Mann	5. Date March 16, 2010		

3
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WRITER'S DIRECT DIAL
202.429.3095

1330 Connecticut Avenue, NW
Washington, DC 20036-1795
Tel 202.429.3000
Fax 202.429.3902
steptoe.com

Schmitt

February 19, 2010

Tony Kish (PM 22)
Registration Division
c/o Document Processing Desk (NOTIF)
Office of Pesticide Programs (7505P)
U.S. Environmental Protection Agency
Room S-4900, One Potomac Yard
2777 South Crystal Drive
Arlington, VA 22202-4501

Via HAND DELIVERY

Re: **AG Copp 75 (EPA Reg. No. 26883-21)**
Notification of Label Changes per PR Notices 2007-4 and 98-10

Dear Mr. Kish:

On behalf of our client, American Chemet Corp., enclosed please find a notification for **AG Copp 75** to update the container handling statements per PR Notice 2007-4 and make the following changes per PR Notice 98-10:

- Replace "bag" with "package" in two sentences in the Container Handling paragraph. Use of the word "package" is consistent with the DOT/UN transportation code and is recognizable by people handling the container;
- Reformat the crop identification chart to combine the US and English (metric) rates into one chart and add the term "General recommendations" to the header of the chart.

This notification is consistent with the guidance in PR Notice 2007-4 and PR Notice 98-10.

Enclosed is EPA Form 8570-1, with the required certification statement, along with one copy of the proposed label. Please let me know if you have any questions or need anything further.

Correspondence for this matter should be sent to me at the Washington, D.C. address identified above. If you require any further information please contact me at (202) 429-3095. Thank you for your attention to this matter.

Sincerely,

Juli Mann
Juli Mann
Paralegal Specialist

4
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AMERICAN CHEMET CORPORATION
AG Copp 75
FUNGICIDE FOR AGRICULTURAL USE

ACTIVE INGREDIENT:

Cuprous oxide (Cu₂O)..... 82%*

INERT INGREDIENTS..... 18%

TOTAL..... 100%

* Metallic copper equivalent: 75%

Net Contents: ___ Kg.

NOTIFICATION

MAR 19 2010

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 five (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. May cause skin irritation. Avoid contact with skin. Avoid breathing dust or spray mist. Wash thoroughly with soap and water after handling.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

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. 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
- Chemical-resistant gloves made of any waterproof material such as polyethylene or polyvinyl chloride
- 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

This pesticide is toxic to fish. 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 Chemical-resistant gloves made of any waterproof material
 - 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.

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

Container Handling: Nonrefillable container. Do not reuse or refill this container. Completely empty package into application equipment. Then offer for recycling if available or dispose of empty package 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
EPA Registration No.: 26883-21

[Lot/batch number: _____]

Note to EPA Reviewer: "Lot/batch number" may appear elsewhere on container.

NOTIFICATION
MAR 19 2010

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 (Pounds per Acre)	Rate (Kilograms per Hectare)	Remarks
Almonds	Brown rot blossom blight	Monilinia laxa	Dilute: 1.3-3.4 lbs/100 gal	Dilute: 0.16-0.40 Kg/100 L	Apply in dormant/delayed-dormant sprays through popcorn state.
	Coryneum blight (shot hole)	Stigmata carpophila	Concentrate: 5.4-13.4 lbs./A	Concentrate: 6-14.5 Kg/Ha	
	Bacterial blast	Pseudomonas syringae	Aerial: 5.4-13.4 lbs./A	Aerial: 6-14.5 Kg/Ha	Apply at dormant to early pink stage. Where disease is severe apply 0.1 Kg. at 2 week intervals post-bloom. Use 2-4 applications just prior to sprinkling. Slight leaf injury may occur.
			Dilute 2.0-2.7 lbs./100 gal	Dilute: 0.24-0.32 Kg/100 L	
Apples	Bacterial canker	Pseudomonas spp.	Dilute 1.3-2.7 lbs./100 gal	Dilute: 0.16-0.32 Kg/100 L	Apply as dormant spray.
	Apple scab (black spot)	Venturia inaequalis	Concentrate: 2.0-3.4 lbs./100 gal	Concentrate: 2.2-3.7 Kg/Ha	Apply only at bud break to control primary infection.
Apricots	Brown rot blossom blight	Monilinia spp.	Dilute 1.3-2.7 lbs./100 gal	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: 5.4-13.4 lbs./A	Concentrate: 6-14.5 Kg/Ha	
			Aerial: 5.4-13.4 lbs./A	Aerial: 6-14.5 Kg/Ha	
Avocados	Anthrachnose	Glomerella cingulata	Dilute 1.3-2.0 lbs./100 gal	Dilute: 0.16-0.24 Kg/100 L	Apply when blossom buds open.
	Scab	Sphaceloma perseae	Concentrate: 5.4-6.7 lbs./A	Concentrate: 6.0-7.3 Kg/Ha	Repeat at monthly intervals for 5-6 applications.
Bananas	Sigatoka	Cercospora musae	1.7-2.7 lbs./A	1.9-2.9 Kg/Ha	Apply every 3-4 weeks.
Blueberries	Bacterial canker	Pseudomonas spp.	2.7-4.0 lbs./100 gal. Plus spreader/sticker	0.32-0.48 Kg/100 L plus spreader/sticker	Apply before fall rains and again 4 weeks later.
	Cane canker	Physalospora corticus	2.7-4.0 lbs/100 gal plus spreader/sticker	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 allantaspurum	1.3 lbs/100 gal.	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	1.3-2.7 lbs/100 gal.	0.16 - 0.32 Kg/100 L	Apply delayed-dormant spray in the spring and again in the fall.
	Leaf and cane spot	Septoria rubi	1.3-2.7 lbs/100 gal.	0.16 - 0.32 Kg/100 L	Apply delayed-dormant spray in the spring and make a fall application.
	Yellow rust	Kuchnola uredinis Phragmidium rubi-idaei			
Cherries	Brown rot blossom blight	Monilinia spp.	1.3 - 3.4 lbs/100 gal.	0.16 - 0.40 Kg/100 L	Apply at popcorn to full bloom stage.
	Coryneum blight (shot hole)	Stigmata carpophila	Dilute: 2.7 - 4.0 lbs/100 gal.	Dilute: 0.32 - 0.48 Kg/100 L	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.
	Dead bud	Pseudomonas syringae	Concentrate: 5.4 - 13.4 lbs/A	Concentrate: 6 - 14.5 Kg/Ha	
Citrus	Melanose	Phomopsis spp.	Dilute: 0.5 - 2.0 lbs/100 gal.	Dilute: 0.06 - 0.24 Kg/100 L	Florida and Texas
	Fruit rot	Diplodia natalensis	Concentrate: 2.7 - 13.4 lbs/A	Concentrate: 2.9 - 14.5 Kg/Ha	Apply as pre-bloom and post-bloom sprays
		Diaporthe citri	Aerial: 2.7 - 13.4 lbs./A	Aerial: 4.4 - 22 Kg/Ha	
	Spot anthracnose (scab)	Elsino fawcetti			Apply in the fall just before rainy season.
	Greasy spot (pink pitting)	Mycosphaerella citri			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.
	Brown rot	Phytophthora citrophthora	Dilute: 0.3 - 1.3 lbs. 100/gal.	Dilute: 0.04 - 0.16 Kg/100 L	
Cocoa	Black pod rot	Phytophthora palmivora	1.3 - 2.7 lbs./A	1.4 - 2.9 Kg/Ha	Apply on 14-21 day schedule in high rainfall areas.

NOTIFICATION

MAR 19 2010

Ag Copp 75
General recommendations

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 (Pounds per Acre)	Rate (Kilograms per Hectare)	Remarks
Coffee	Iron spot	Cercospora spp.	1.3 - 5.4 lbs./A	1.4 - 6.0 Kg/Ha	Apply 3 applications at monthly intervals at the beginning of the wet season.
	Pink disease	Corticium salmoni			
	Leaf rust	Helminthia vastatrix	2.3 - 5.4 lbs./A	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			
Cranberries	Berry spot	Cercospora coffeicola			
	Fruit rot	Geothospora lunata	5.4 lbs/A	6 Kg/Ha	Begin application in late bloom. 1-2 additional applications at 10-14 day intervals may be necessary.
	Red leaf spot	Exobasidium vaccinii	5.4 lbs./A	6 Kg/Ha	Apply delayed-dormant spray in the spring. Repeat as needed through pre-bloom.
Currants	Stem and leaf blight	Botryosphaeria vaccinii			
	Leaf spot (cane blight)	Botryosphaeria ribis	3.4 - 6.7 lbs./A	3.7 - 7.3 Kg/Ha	Make 3 applications starting after harvest before bloom and after petal fall.
Gooseberries					
Filberts	Bacterial blight	Pseudomonas spp.	2.7 - 3.4 lbs/100 gal.	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.			
Grapes	Black rot	Gulgnardia bicwellii	1.3 lbs./A	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.
	Downy mildew	Plasmopora viticola			
	Powdery mildew	Umicinula necator	1.3 lbs./A	1.4 Kg/Ha	Apply the first application when shoots are 15-20 cm. A second application should be applied just before blooming. Foliar injury occurs on copper-sensitive varieties.
Mangoes	Anthracnose	Glomerella cingulata	Dilute: 1.3 lbs/100 gal. Concentrate: 2.7 - 3.4 lbs./A	Dilute 0.16 Kg/100 L Concentrate: 2.9 - 3.7 Kg/Ha	Apply monthly after fruit set until harvest
Limes	Peacock spot	Cycloconium oleaginum	Dilute: 1.3 - 2.0 lbs/100 gal.	Dilute 0.16 - 0.24 Kg/100 L	Apply prior to winter rains. A second application in the early spring should be made under severe disease symptoms.
	Anthracnose	Gleosporium olivarum	Concentrate: 5.4 - 8.0 lbs./A	Concentrate: 6-9 Kg/Ha	
Peaches	Brown rot blossom blight	Monilinia spp.	Dilute: 1.3 - 2.7 lbs/100 gal.	Dilute: 0.16 - 0.32 Kg/100 L	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.
	Coryneum blight (shot hole)	Stigmima carpophila	Concentrate: 5.4 - 13.4 lbs/A	Concentrate: 6-14.5 Kg/Ha	
	Leaf curl	Taphrina deformans	Aerial: 5.4 - 13.4 lbs./A	Aerial: 6-14.5 Kg/Ha	
	Bacterial spot	Xanthomonas pruni	1.3 lbs/100 gal. 0.2 lbs/100 gal.	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.
Nectarines					

6/2

MAR 19 2010

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 (Pounds per Acre)	Rate (Kilograms per Hectare)	Remarks
Pears	Fire blight	Erwinia amylovora	Dilute: 0.2-0.3 lbs./100 gal. Concentrate: 0.7-1.3 lbs./A	Dilute: 0.02-0.04 Kg/100L Concentrate: 0.7-1.4 Kg/Ha	Apply at 10% bloom and repeat at 5-7 day intervals during the bloom period.
	Blossom blast	Pseudomonas syringae	Dilute: 1.3-2.7 lbs./100 gal. Concentrate: 2.0-3.4 lbs./A	Dilute: 0.16-0.32 Kg/100 L Concentrate: 2.25-3.7 Kg/Ha	Do not use on copper-sensitive varieties. Apply as a dormant spray. Apply only at bud break to control primary infection.
Piuns Prunes	Brown rot blossom blight Coryneum blight (shot hole)	Monilinia spp. Stigmina carpophila	Dilute: 2.7-3.4 lbs./100 gal. Concentrate: 8.0 - 13.4 lbs./A Aerial: 10.7-13.4 lbs./A	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: 0.2-0.3 lbs./100 gal. Concentrate: 0.7-1.3 lbs./A	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: 1.3-2.7 lbs./100 gal. Concentrate: 2.0-3.4 lbs./A	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.
Strawberries	Leaf spot	Mycosphaerella fragariae	1.3-2.0 lbs./100 gal.	0.16-0.24 Kg/100 L	Begin application when plants are established and continue on a weekly schedule.
	Bacterial leaf blight	Pseudomonas spp.	1.3-2.0 lbs./A	1.4-2.2 Kg/Ha	
Tea	Blister blight	Exobasidium vexans	1.3 - 2.7 oz/A	0.09-0.18 Kg/Ha	Apply on a 7-10 day schedule.
Walnuts	Walnut blight	Xanthomonas juglandis	Dilute: 1.3 - 2.7 lbs/100 gal. Concentrate: 5.4 - 8.0 lbs./A Aerial: 5.4 - 8.0 lbs./A	Dilute: 0.16-0.32 Kg/100 L Concentrate: 6-9 Kg/Ha Aerial: 6-9 Kg/Ha	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	Cercospora spp. Leptosphaerulina spp.	1.3-2.7 lbs./A	1.4-2.8 Kg/Ha	Apply by ground or air 10-14 days prior to harvest. Slight injury may occur to sensitive varieties.
Beans	Bacterial blight (halo blight)	Xanthomonas phaseoli	0.7-2.7 lbs./A	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	Colletotrichum lindemuthianum			
	Cercospora leaf spot	Peronospora spp. Cercospora spp.			
Beets	Downy mildew	Peronospora spp.	0.7-2.0 lbs/A	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 Brussels Sprouts, Cabbage, Cauliflower	Downy mildew	Peronospora parasitica	0.3-0.7 lbs./A	0.3-0.7 Kg/Ha	Apply at 7 day intervals.
	Black rot	Xanthomonas campestris	0.7-2.0 lbs./A	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.			

MAR 19 2010

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 (Pounds per Acre)	Rate (Kilograms per Hectare)	Remarks
Carrots	Downy mildew Blight	Peronospora spp. Cercospora spp. Alternaria spp.	1.3-2.7 lbs./A	1.4-2.9 Kg/Ha	Apply by ground or air when disease appears and repeat at 7-14 day intervals.
Celery	Bacterial blight Early blight Late blight	Pseudomonas apii Cercospora apii Septoria apii	1.3-2.7 lbs./A	1.4-2.9 Kg/Ha	Apply by ground or air when disease appears and repeat at 7-14 days intervals.
Cucurbits (cantaloupes, honeydew, cucumbers, pumpkins, squash, water-melons)	Downy mildew Angular leaf spot Anthracnose Alternaria leaf spot Bacterial wilt Gummy stem blight	Pseudoperonospora cubensis Pseudomonas lachrymans Colletotrichum lagenarium Alternaria cucumerina Erwinia tracheiphila Mycosphaerella melonis	1.0-1.3 lbs/A	1.0-1.4 Kg/Ha	Apply by ground or air when disease appears and repeat at 7-10 day intervals.
Eggplant	Alternaria blight Anthracnose Fruit rot	Alternaria spp. Colletotrichum spp. Phomopsis vexans	1.3-2.7 lbs./A	1.4-2.9 Kg/Ha	Apply by ground or air when disease appears and repeat at 7-10 day intervals.
Hops	Downy mildew	Pseudoperonospora humuli	1.3 lbs./A	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	Bremia lactucae	0.7-1.3 lbs./A	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 Purple blotch	Peronospora spp. Alternaria porri	1.3-2.7 lbs./A	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.
Peanuts	Cercospora leaf spot	Cercospora personata	1.0-2.0 lbs./A	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 Anthracnose Early blight Late blight Leaf spot Downy mildew	Xanthomonas vesicatoria Colletotrichum spp. Alternaria solani Phytophthora infestans Cercospora capsici Peronospora spp.	1.3-2.7 lbs./A	1.4-2.9 Kg/Ha	Apply by ground or air when disease appears and repeat at 7-10 day intervals.
Potatoes	Early blight Late blight	Alternaria solani Phytophthora infestans	0.7-4.0 lbs./A 1.3-2.7 lbs./A	0.7-4.4 Kg/Ha 1.4-2.9 Kg/Ha	Apply at 7-10 day intervals when plants are 15 cm. high up until harvest. Apply by ground or air. Apply by ground or air before disease appears and repeat as needed at 7-10 day
Spinach	Anthracnose Cercospora leaf spot Downy mildew White rust	Glomerella spp. Cercospora spp. Peronospora effusa Albugo occidentalis	1.3-2.0 lbs./A	1.4-2.2 Kg/Ha	Apply by ground or air when disease appears and repeat at 7-10 day intervals.
Sugarbeets	Cercospora leaf spot	Cercospora personata	1.0-2.0 lbs./A	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.

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Crop	Disease	Latin Name	Rate (Pounds per Acre)	Rate (Kilograms per Hectare)	Remarks
Tobacco	Damping off diseases	Various	3.4-4.0 lbs./A	3.7-4.4 Kg/Ha	Avoid overwatering. Dust the seed bed after planting.
	Angular leaf spot	<i>Pseudomonas angularis</i>	2.7-3.4 lbs./A	2.9-3.7 Kg/Ha	Apply on 7-10 day basis when disease appears. Destroy all infected plants.
	Frog eye disease	<i>Cercospora nicotianae</i>	2.7-3.4 lbs./A	2.9-3.7 Kg/Ha	Apply just before transplanting and when topped.
	Brown spot	<i>Alternaria longipes</i>	2.7-3.4 lbs./A	2.9-3.6 Kg/Ha	Apply every 7-10 days when disease appears.
	Wildfire	<i>Pseudomonas tabaci</i>	1.3 lbs./A	1.4 Kg/Ha	Apply every 7 days from seeding to transplanting.
	Blue mold	<i>Peronospora tabacina</i>	1.3 lbs./A	1.4 Kg/Ha	Apply every 7 days when disease appears.
Tomatoes	Bacterial speck	<i>Pseudomonas tomato</i>	1.3-2.7 lbs/A	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 spot	<i>Xanthomonas vesicatoria</i>			
	Bacterial canker	<i>Corynebacterium michiganense</i>			
	Anthraxnose	<i>Glomerella phomoides</i>			
	Early blight	<i>Alternaria solani</i>			
	Late blight	<i>Phytophthora infestans</i>			
	Leaf mold	<i>Cladosporium fulvum</i>			
	Septoria leaf spot	<i>Septoria lycopersici</i>			
	Gray leaf spot	<i>Stemphylium solani</i>			