≎EPA	Environmenta	Inited States		Form Aborov	Registra Amend	ration	O. Approvel expires 2-28- OPP Identifier Number
		Application	on for Pestici	de - Section) J		
1. Company/Product Number 19713-321	or	· · · · · · · · · · · · · · · · · · ·	}	Product Meneger ia Giles-Parker		3. Pro	oposed Classification
4. Company/Product (Name DREXEL KOP-HYDRO			PM# 22/Ft	ıngicide Brancl	h		
5. Name and Address of Ap Drexel Chemical Co MEMPHIS, TN 3	ompany, P.O. Box		(b)(i), r to:				FIFRA Section 3(c)(3) mposition and labeling
Check if this	s is a new address		Produ	ct Name			
		·	Section -	ł		· · · · · · · · · · · · · · · · · · ·	£
Resubmission in responsible Property Notification - Explain Explanation: Use addition One (1) copy of the revised I submission. The required ce	nal page(s) if necessar	y. (For section	or your record and file	Agency letter de "Me Too" Appli Other - Explain (cation. below.	e cover letter	JUN-1 0 2004
			Section - I	i			
Material This Product Will Child-Resistant Packaging Yes No Certification must be submitted	Unit Packaged In: Unit Packaging Yes No If "Yes" Unit Packaging wgt.	No. per container	Water Sciuble P Yes. No If "Yes" Package wgt	ackaging No. per container	2. Type o	Metal Plestic Glass Paper Other (S	pacify)
3. Location of Net Contents	Information Container	4. Size(s) Re	tail Container	5. L	ocation of L	abel Directio	ris
6. Menner in Which Lebel Is	Affixed to Product	Lithog Paper Stenc	reph glued led	Other			
			Section - I	1			
1. Contact Point (Complete	items directly below f	or identificatio	n of individual to b	contacted, if ne	cessary, to p	procese this	application.)
Name LUZ G CHAN		!	Titte REGISTRATION	MANAGER		Telephone (901) 774	No. (Include Area Code)
-	ments I have made on ly knowlingly false or law.		all attachments the			•	6. Date Application Received (Stampec)
2. Signature) 20		3. Title	IANIAOED			# # A A
	Chan	WINIERS HARRY	REGISTRATION N	IANAGEK			
4. Typed Name			5. Date				♥ 2 E



NOTIFICATION
JUN 1 0 2004

May 26, 2004

Submission of Revised Label per PR Notice 95-1
DREXEL KOP-HYDROXIDE 50W (EPA Reg. No. 19713-321)

This notification is consistent with the Provisions of PR Notice 98-10 and EPA Regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the Confidential Statement of Formula of 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 this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, 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.

FOR DREXEL CHEMICAL COMPANY

LUZ G CHAN
Registration Manager



May 26, 2004

Document Processing Desk (NOTIF)
Office of Pesticide Programs (7504C)
U.S. Environmental Protection Agency
Rm 266A, Crystal Mall 2
1921 Jefferson Davis Hwy.
Arlington, VA 22202

Re: Submission of Revised Label by Notification per PR Notice 95-1 DREXEL KOP-HYDROXIDE 50W (EPA Reg. No. 19713-321)

Herewith:

- 1. Completed EPA Form 8570-1.
- 2. One (1) copy of the revised label (321MSP-0504++). The following change was made on the label:
 - i) In the Environmental Hazards section, the paragraph, "Note: Add this statement to all container sizes.........Office of the EPA." was deleted. Per PR Notice 95-1, this only applies to end-use products registered for industrial preservative, water treatment, other industrial processing uses and commercial and institutional uses.
- 3. Certification Statement

If you have questions/clarification regarding this submission, I can be reached at (901) 774-4370. My e-mail address is Lchan@drexchem.com.

Thank you.

Respectfully yours,

FOR DREXEL CHEMICAL COMPANY

Luz G Chan

Registration Manager

1700 Channel Avenue • Post Office Box 13327 • Memphis, Tennessee 38113-0327
Phone: (901) 774-4370 • Fax: (901) 774-4666 • E-Mail: info@drexchem.com • www.DrexChem.com

MASTER LABEL

4/12

Note to EPA: Shaded text added for water-soluble package.



KOP®-Hydroxide 50W

Agricultural Fungicide-Bactericide

Water-Soluble Packaging

ACTIVE INGREDIENT:	
Copper Hydroxide*	77.0%
OTHER INGREDIENTS:	23.0%
TOTAL:	100.0%
*Metallic cooper equivalent 50%	

DANGER / PELIGRO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand this label, find someone to explain it to you in detail.)

See FIRST AID Below

EPA Reg. No. 19713-321 EPA Est. No. 19713-GA-1 Net Contents: 20 Pounds

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.

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.

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.

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. 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.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate use of gastric lavage.

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

DANGER. Corrosive. Causes irreversible eye damage. Do not get in eyes. Causes skin irritation. Harmful if swallowed, absorbed through the skin or inhaled. May cause skin sensitization reactions in certain individuals. Avoid contact with the skin, eyes or clothing. Avoid breathing dust.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some 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 selection chart.

(Continued)

PRECAUTIONARY STATEMENTS (Con't)

Applicators and other handlers must wear: Long-sleeved shirt and long pants, chemical-resistant gloves such as polyethylene or polyvinyl chloride, shoes plus socks, protective eyewear and dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C) or a NIOSH approved respirator with any R, P or HE filter. 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 pesticides [40 CFR 170.240(d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

Water-soluble packets when used correctly qualify as a closed loading system under the WPS. Handlers handling this product while it is enclosed in intact water-soluble packets may elect to wear reduced PPE of long-sleeved shirt, long pants, shoes, and socks.

IMPORTANT: When reduced PPE is worn because a closed system is being used, handlers must be provided all PPE specified above for "applicators and other handlers" and have such PPE immediately available for use in an emergency, such as a spill or equipment breakdown

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

USER SAFETY RECOMMENDATIONS

Users should: 1) Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. 2) Remove clothing 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 organisms. For terrestrial uses, do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark. Drift and runoff from treated areas may be hazardous to fish and aquatic organisms in adjacent sites. Do not contaminate water by disposal of equipment washwaters.

GENERAL INFORMATION

Use this product according to "DIRECTIONS FOR USE". This product can be applied from aircraft and ground spraying equipment. Depending upon equipment used and the specific crop, the volume applied per acre differs. Refer to the general "MINIMUM RECOMMENDED SPRAY VOLUME" table.

Drexel Chemical Company
P.O. BOX 13327, MEMPHIS, TN 38113-0327

NOTIFICATION

JUN 1 0 2004

** 321MSP-0504++

MIXING INSTRUCTIONS

This product may be applied as an aerial, ground dilute or ground concentrate spray unless specifically directed otherwise by crop. When selecting a use rate for this product, do not apply less than the label recommended minimum amount. Under heavy disease pressure or when conditions favor such, use the higher rate and shorter spray intervals specified for each crop. In addition, use the higher rates for larger mature tree crops.

The per acre use rate of this product is applicable for both dilute and concentrate spraying. Consult this product label for specific rates and timing of application by crop.

Complete spray coverage is essential to assure optimum performance from this product. When treating on a concentrate basis or by aerial application, unless you have had specific previous experience, it is advisable to test for compatibility and crop tolerance prior to full scale commercial utilization.

While volume is important in obtaining full spray coverage, often factors such as foliage density, environmental conditions and sprayer calibration have a greater impact. Always be sure that sprayers are calibrated to manufacturer's specifications and environmental conditions are within those recommended by state and local regulatory authorities. When mixing, fill spray tank one-half full with water. Add this product slowly to tank while hydraulic or mechanical agitation is operating and continue filling with water. Spreaders, stickers, spray and crop oil (cleared for application to growing crops) should be added last. If compatibility is in question, use the compatibility jar test before mixing a whole tank.

Note: THIS PRODUCT SHOULD NOT BE APPLIED IN A SPRAY SOLUTION HAVING A pH LESS THAN 6.5 OR GREATER THAN 9.0 AS PHYTO-TOXICITY MAY OCCUR.

Environmental conditions such as extended periods of wet weather, acid rain, etc., which alter the pH of the leaf surface may affect the performance of this product resulting in possible phytotoxicity or loss of effectiveness.

The materials used in the construction of application equipment should be identified before it is used to apply this product. Agricultural chemicals such as this product often react with soft metals such as aluminum and some synthetic materials such as plastics. After completing the application of this product with equipment containing these materials and before overnight storage, thoroughly flush the mixing and application system with clean water.

The following specific instructions are based on general application procedures. The recommendations of State Agricultural Extension Services should be closely followed as to timing, frequency and number of sprays per season.

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, 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 24 hours. The following equipment and precautions must be followed for 7 days following the application of this product. An eye flush container, designed specifically for flushing eyes, must be available at the WPS decontamination site for workers entering the area treated with copper hydroxide.

Notify workers of the application by warning them orally that residues in the treated areas may be highly irritating to their eyes and to take precautions such as refraining from rubbing their eyes and if they get residues in their eyes they should immediately flush their eyes using the eye wash.

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, chemical-resistant gloves such as polyethylene or polyvinyl chloride, shoes plus socks and protective eyewear.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this 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 product agricultural plants on farms, forests, nurseries, or greenhouses.

Do not enter treated areas without protective clothing until sprays have dried.

DIRECTIONS FOR WATER-SOLUBLE BAGS

Paks containing this product are water-soluble. Do not allow pak to become wet prior to adding to the spray tank. Do not handle paks with wet hands. To prepare the spray mixture, drop the required number of unopened paks into spray tank while filling with the appropriate amount of water. Operate the agitator while mixing. Depending on the water temperature and the degree of agitation, the paks should be completely dissolved in approximately 5 minutes from the time they are added to the water. Use the specified dosage of this product in the amount of water necessary to give complete coverage. Determine the total amount to be added to the spray tank based on the rates in the "CROP" section.

Note: Products containing boron and/or fertilizers will prevent the water-soluble packet from dissolving. Boron and/or fertilizer products must only be added after packet(s) have completely dissolved.

Minimum Recommended Spray Volume

Given as Gallons per Acre (GPA) to be used when applying this product:

		G	round
	Aerial	Dilute	Concentrate
Vegetables and Field Crops	3	20	
Small Fruits	5	150	50
Vines	5	150	50
Fruit and Nut Trees*	10	400	50
Citrus	10	800	100 (20 FLORIDA)*

*On young fruit trees, use a minimum of 1 gallon spray per acre.

** Pesticide application equipment such as Curtec or other similar sprayers which are capable of obtaining thorough coverage at low volumes may be used at as low as 20 GPA of spray volume.

GENERAL CHEMIGATION INSTRUCTIONS

Do not apply this product through any irrigation system using aluminum parts or components as damage to the system may occur. Such application is prohibited regardless of whether the irrigation system is flushed with water after use of this product.

Apply this product only through one or more of the following types of systems: sprinkler including center pivot, lateral move, end tow, side (wheel) roll, traveler, big gun, solid set or hand move irrigation systems. 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 your

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 necessary adjustments should the need arise.

A. Center Pivot, Traveler, Big Gun, Motorized Lateral Move, End Tow, and Side (Wheel) Roll Irrigation Equipment: Operate system and injection equipment at normal pressures recommended by the manufacturer of injection equipment used. Fill tank or injection equipment with water. Operate system for one complete circle for center pivot or one complete run for the other recommended equipment, measuring time required, amount of water injected, and acreage contained in circle or run. Mix recommended amount of product for acreage to be covered into same amount of water used during calibration and inject into system continuously for one revolution or run, but continue to operate irrigation system until the product has been cleared from last sprinkler head. Spray mixture in the chemical supply tank must be agitated at all times, otherwise settling and uneven application may occur.

B. Solid Set and Hand Move Irrigation Equipment: Determine acreage covered by sprinkler. Fill tank of injection equipment with water and adjust flow to use contents over a thirty to forty-five minute period. Mix desired amount of product for acreage to be covered into quantity of water used during calibration and operate entire system at normal pressures recommended by the manufacturer of injection equipment used for amount of time established during calibration. Provide constant mechanical agitation in the mix tank to insure that the product will remain in suspension during the injection cycle. This product can be injected at the beginning or end of the irrigation cycle or as a separate application. Stop injection equipment after treatment is completed and continue to operate irrigation system until pesticide is cleared from last sprinkler head.

SAFETY DEVICES

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

3) The pesticide injection pipeline must also 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.

4) The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water

pump motor stops.

5) 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.

6) 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.

CHEMIGATION SYSTEMS CONNECTED TO PUBLIC WATER SYSTEMS Public water system 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 shall 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 functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops, or in cases where there is not a water pump, when the water pressure decreases to the point where pesticide distribution is ad-

versely affected.

For additional instructions on safety precautions refer to statements (2), (3), (4), (6), and (7) in the section on SAFETY DEVICES.

POSTING INSTRUCTIONS

Posting of areas to be chemigated is required when 1) any part of a treated area is within 300 feet of sensitive areas such as residential areas, labor camps, businesses, day care centers, hospitals, inpatient clinics, nursing homes or any public areas such as schools, parks, playgrounds or other public facilities not including public roads, or 2) when the chemigated area is open to the public such as golf courses or retail greenhouses.

Posting must conform to the following requirements: Treated areas shall be posted with signs at all usual points of entry and along likely routes of approach from the listed sensitive areas. When there are no usual points of entry, signs must be posted in the corners of the treated areas and in any location affording maximum visibility to

the sensitive areas

The printed side of the sign should face away from the treated area towards the sensitive area. The signs shall be printed in English. Signs must be posted prior to application and must remain posted until foliage has dried and soil surface water has disappeared. Signs may remain in place indefinitely as long as they are composed of materials to prevent deterioration and maintain legibility for the duration of the posting period.

All words shall consist of letters at least 2.5 inches tall and all letters and the symbol shall be in a color which sharply contrasts with their immediate background. At the top of the sign shall be the words KEEP OUT, followed by an octagonal stop sign symbol at least 8 inches in diameter containing the word STOP. Below the symbol shall be the words PESTI-CIDES IN IRRIGATION WATER.

Note: This sign is in addition to any sign posted to comply with the Worker Protection Standard (WPS).

CROPS

The following specific instructions are based on general application procedures. The recommendations of the State Agricultural Extension Service should be closely followed as to timing, frequency and number of sprays per season.

APPLICATION FOR FROST INJURY PROTECTION

Bacterial Ice Nucleation Inhibitor: Application of this product made to all crops listed on this label at rates and stages of growth indicated on this label, at least 24 hours prior to anticipated frost conditions, will afford control of ice nucleating bacteria (Pseudomonas syringae, Erwinia herbicola and Pseudomonas fluorescens) and may thereby provide some protection against light frost. The degree of frost protection will vary with weather conditions and other factors. Not recommended for those geographical areas where weather conditions favor severe frost.

0	Disco	Rate	Number or Water-Soluble		
Crop Alfalfa	Disease Cercospora, Leptosphaerulina	per Acre 2 lbs.	Paks 1 pak		
,	leaf spots	<u> </u>	per 10 acres		
	USE INSTRUCTIONS: Apply 10 or earlier if disease threatens. Note: Spray injury may occur wit Lahontan.	•			
Almonds	Coryneum blight, Blossom brown rot	8 to 12 lbs.	2 to 3 paks per 5 acres		
	USE INSTRUCTIONS: Dormant foliage buds begin to swell. Use heavy and disease pressure is heavy and disease pressure is heavy and disease pressure.	higher rates wh			
	Coryneum blight, Blossom brown rot	6 to 8 lbs.	3 to 4 paks per 5 acres		
	USE INSTRUCTIONS: Early bid Apply before full bloom. Use high and disease pressure is high. Note: To avoid plant injury, do no bloom.	her rates when i	ainfall is heavy		
	Bacterial blast (Pseudomonas)	12 to 16 lbs.	3 to 4 paks per 5 acres		
	USE INSTRUCTIONS: Apply at a Note: Injury may occur from positive varieties.		pink bud.		
	Bacterial blast (Pseudomonas)	1 lb.	1 pak per 20 acres		
	USE INSTRUCTIONS: For control or where disease is severe, applintervals or just before sprinkling Note: Injury may occur from positive to the control of the	ly at 2-week po	st-bloom		
Apples	Neplus varieties. Anthracnose, European canker, Pseudomonas	12 to 16 lbs.	3 to 4 paks		
	USE INSTRUCTIONS: Apply be under severe disease conditions Note: Use on yellow varieties mayoid, pick before spraying.	. .	•		
	Fire blight	8 to 16 lbs.	1 to 2 paks per 2.5 acres		
	USE INSTRUCTIONS: Make application between silver tip and green tip. Apply as a full cover spray. Note: Crop injury may occur from late application; discontinue use when green tip reaches one-half inch.				
	Crown or Collar rot	4 lbs.	1 pak per 5 acres		
	USE INSTRUCTIONS: Mix in 100 suspension as a drench on the k Apply either in early Spring or lat Note: Do not use if soil pH is be may result.	ower trunk area te Fall after harv	of each tree. est.		
Apricots	Coryneum blight (Shot hole), Blossom brown rot	8 to 12 lbs.	2 to 3 paks per 5 acres		
	USE INSTRUCTIONS: Apply at phigher rates when conditions faw Note: Applications applied after	or disease.			
Atemoya	Anthracnose	3 lbs.	3 paks		
	Make initial application just before weekly schedule until just before	re flowering and harvest. Apply i	per 20 acres repeat on a n sufficient		
Avocados	water for thorough coverage. Anthracnose, Blotch, Scab	8 to 12 lbs.	2 to 3 paks		
	USE INSTRUCTIONS: Apply who and continue application at mont	hly intervals for	5 to 6		
Bananas	applications. Use higher rate who Sigatoka	en conditions fa 2 lbs.	1 pak		
	USE INSTRUCTIONS: Apply by 0.5 gal. of a suitable agricultural schedule throughout the wet seas	spray oil. Apply	on a 14-day		
	during dry periods. Black pitting	4 lbs.	1 pak		
	USE INSTRUCTIONS: Apply in 1 acre) directly to the fruit stem and the leaf crown. Apply during the fruit emergence.	d include the ba	sal portion of		
Beans	Bacterial blight (halo and common), Brown spot	1 to 3 lbs.	1 to 3 paks per 20 acres		
	USE INSTRUCTIONS: Use the h disease. For protective sprays, n plants are 6 inches high. Repeat depending upon local conditions	nake first applic on a 7- to 14-d	ation when		

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Сгор	Disease	Rate per Acre	Number of Water-Soluble Paks
Blackberries (Santiams, Logans,	Leaf spot, Cane spot, Purple blotch, Anthracnose, Yellow rust, Pseudomonas blight	4 lbs.	1 pak per 5 acres
Boysens, Marions, Auroras, Cascades,	USE INSTRUCTIONS: Apply as training in the Spring. Make Fall qt. of crop oil per acre.	delayed dorma application afte	nt spray after er harvest. Add
Chehalems, and Thomless	Leaf spot, Cane spot, Purple blotch, Anthracnose, Yellow rust, Pseudomonas blight	2 lbs.	1 pak per 10 acres
evergreens)	USE INSTRUCTIONS: Apply who repeat when flower buds show wo per acre. Note: Crop injury may occur if a conditions such as hot or prolong application if signs of crop injury	hite. Add one o pplied to foliage ged moist perio	uart of crop oil under certain
Blueberries	Bacterial canker	6 lbs.	3 paks per 10 acres
	USE INSTRUCTIONS: Make firs and a second application four we	t application be eks later.	
Broccoli, Brussels sprouts,	Black rot (Xanthomonas), Black leaf spot (Altemaria), Downy mildew (Peronospora)	1 to 2 lbs.	1 to 2 paks per 20 acres
Cabbage, Cauliflower, Greens (Beet, Collard, Mustard, Turnip)	USE INSTRUCTIONS: Apply at a control of diseases of these crop transplants are set in the field or seeded crops or when conditions. Use higher rates when conditions. Note: Reddening of older leaves flecking of wrapper leaves may or the conditions.	is, begin applic shortly after en s favor disease s favor disease s may occur on	ation after nergence of field development. Broccoli and
Cacao	Black pod	2 to 8.5 lbs.	4 to 17 paks per 40 acres
	acres) as often as 14 to 21 days	in high rainfall	areas at
	varying rates depending on dise; where 2 to 4 applications are red infection periods and at long inte (17 paks per 40 acres) according planting density.	ase severity. Fo commended du rvals, use 8.5 lb	or drier areas, ring critical os, per acre
Cantaloupes, Honeydews, Muskmelons	where 2 to 4 applications are recinfection periods and at long inte (17 paks per 40 acres) accordin planting density. Downy mildew	ase severity. For commended du rivals, use 8.5 lt g to disease in 2 lbs.	or drier areas, ring critical os. per acre cidence and 1 pak per 10 acros
	where 2 to 4 applications are re- infection periods and at long inte (17 paks per 40 acres) accordin planting density.	ase severity. For commended du nvals, use 8.5 lt g to disease in 2 lbs. plication when and and repeat a	or drier areas, ring critical ps. per acre cidence and 1 pak per 10 acros conditions are at 5- to 7-day
Honeydews,	where 2 to 4 applications are recinfection periods and at long inte (17 paks per 40 acres) accordin planting density. Downy mildew USE INSTRUCTIONS: Begin applianorable for disease development	ase severity. For commended du nvals, use 8.5 lt g to disease in 2 lbs. plication when and and repeat a	or drier areas, ring critical ps. per acre cidence and 1 pak per 10 acros conditions are at 5- to 7-day
Honeydews, Muskmelons	where 2 to 4 applications are recinfection periods and at long inte (17 paks per 40 acres) accordin planting density. Downy mildew USE INSTRUCTIONS: Begin applications for disease developme intervals as needed, depending of	ase severity. Focommended du rvals, use 8.5 lt g to disease in 2 lbs. plication when cent and repeat a con disease severe 6 lbs. lat application juy schedule until	or drier areas, ring critical us. per acre cidence and 1 pak per 10 acros conditions are at 5- to 7-day erity. 3 paks per 10 acres ust before just before
Honeydews, Muskmelons	where 2 to 4 applications are recinfection periods and at long inte (17 paks per 40 acres) accordin planting density. Downy mildew USE INSTRUCTIONS: Begin appliance as needed, depending anthracnose USE INSTRUCTIONS: Make initiflowering and repeat on a weekly	ase severity. Focommended du rvals, use 8.5 lt g to disease in 2 lbs. plication when cent and repeat a con disease severe 6 lbs. lat application juy schedule until	or drier areas, ring critical tos. per acre cidence and 1 pak per 10 acros conditions are at 5- to 7-day erity. 3 paks per 10 acros ust before just before verage.
Honeydews, Muskmelons Carambola	where 2 to 4 applications are recinfection periods and at long inte (17 paks per 40 acres) accordin planting density. Downy mildew USE INSTRUCTIONS: Begin applianorable for disease developme intervals as needed, depending of Anthracnose USE INSTRUCTIONS: Make initial flowering and repeat on a weekly harvest. Apply in sufficient water Afternaria, Cercospora leaf	ase severity. For commended du invals, use 8.5 lt g to disease in 2 lbs. plication when cant and repeat a con disease severed be. ial application juy schedule until for thorough con 2 lbs. plication when con the condition of the condition when conditions are severed by the	or drier areas, ring critical oss, per acre cidence and 1 pak per 10 acros conditions are at 5- to 7-day erity. 3 paks per 10 acres just before verage. 1 pak per 10 acres disease first
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Honeydews, Muskmelons Carambola Carrots Celery,	where 2 to 4 applications are recinfection periods and at long inte (17 paks per 40 acres) accordin planting density. Downy mildew USE INSTRUCTIONS: Begin applications as needed, depending of Anthrachose USE INSTRUCTIONS: Make initial flowering and repeat on a weekly harvest. Apply in sufficient water Atternaria, Cercospora leaf spot USE INSTRUCTIONS: Begin application in the property of the period of	ase severity. For commended durinals, use 8.5 lbg to disease in 2 lbs. plication when cant and repeat a condisease sevent and sease sevent an	or drier areas, ring critical to per acre cidence and to per 10 acros conditions are at 5- to 7-day erity. 3 paks per 10 acros sust before just before yerage. 1 pak per 10 acros disease first is needed 1 pak per 10 acros disease first intervals
Honeydews, Muskmelons Carambola Carrots Celery,	where 2 to 4 applications are recinfection periods and at long inte (17 paks per 40 acres) accordin planting density. Downy mildew USE INSTRUCTIONS: Begin application as needed, depending of Anthrachose USE INSTRUCTIONS: Make initial flowering and repeat on a weekly harvest. Apply in sufficient water Atternaria, Cercospora leaf spot USE INSTRUCTIONS: Begin applications and repeat at 7- to 14-depending on disease. Cercospora early blight, Septonia late blight, Bacterial blight USE INSTRUCTIONS: Begin applications are stablished in the field, repeating depending on disease severity a Dead bud (Pseudomonas syringae), Coryneum blight	ase severity. For commended du invals, use 8.5 lt g to disease in 2 lbs. plication when a cent and repeat a con disease severed between the condition of the condition when a condition of the condition when a condition of the c	or drier areas, ring critical os. per acre cidence and 1 pak per 10 acros conditions are at 5- to 7-day erity. 3 paks per 10 acres ust before verage. 1 pak per 10 acres disease first intervals that conditions. 2 to 3 paks per 5 acres
Honeydews, Muskmelons Carambola Carrots Celery, Celeriac	where 2 to 4 applications are recinfection periods and at long inte (17 paks per 40 acres) accordin planting density. Downy mildew USE INSTRUCTIONS: Begin applications as needed, depending of Anthrachose USE INSTRUCTIONS: Make initial flowering and repeat on a weekly harvest. Apply in sufficient water Atternaria, Cercospora leaf spot USE INSTRUCTIONS: Begin applications and repeat at 7- to 14-depending on disease. Cercospora early blight, Bacterial blight USE INSTRUCTIONS: Begin applications are blight, Bacterial blight USE INSTRUCTIONS: Begin applications are blight, repeating depending on disease severity and Dead bud (Pseudomonas)	ase severity. For commended du rivals, use 8.5 li g to disease in 2 lbs. plication when our and repeat a condisease severed 6 lbs. all application in domant. In orchoolid also be a commended at the condisease severed at the condisease severed by schedule until for thorough condisease severed at a lbs.	1 pak per 10 acres conditions are at 5- to 7-day erity. 3 paks per 10 acres ust before just before verage. 1 pak per 10 acres disease first s needed 1 pak per 10 acres tisease first s needed 2 to 3 paks per 5 acres Fall before
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Cron	Disease	Rate	Number of Water-Soluble Paks	
Crop Chives	Downy mildew	per Acre 2 lbs.	1 pak	
	USE INSTRUCTIONS: Begin app	dications when	per 10 acres	
	established in the field. Repeat a dictated by disease conditions. If the shorter spray interval.		sure is high, use	
Coffee	Coffee berry disease (Colletotrichum coffeanum)	6 to 8 lbs.	3 to 4 paks per 10 acres	
	USE INSTRUCTIONS: Apply first before onset of long rains and the until picking. Use higher rates wh disease pressure is high.	en at 21- to 28	-day intervals	
	Bacterial blight (Pseudomonas syringae)	6 to 8 lbs	3 to 4 paks per 10 acres	
	USE INSTRUCTIONS: Begin spr the long rains and continue throug 21-day intervals. The critical time disease is just before, during and when coinciding with wet weather is heavy and disease pressure is	ghout the rainy of spraying to f after flowering r. Use higher ra	season at 14- to control this g, especially	
	Leaf rust (Hemileia vastatrix)	2 to 4 lbs.	1 to 2 paks per 10 acres	
	USE INSTRUCTIONS: Apply befine 21-day intervals while rains continuation and disease presented in the continuation of the control of the cont	nue. Use highe		
	lron spot (Cercospora coffeicola), Pink disease (Corticium salmonicolor)	2 lbs.	1 pak per 10 acres	
	USE INSTRUCTIONS: Use concurrent at the start of wet seas intervals for three applications.	entrate or dilute on and continu	e spray. Begin e at monthly	
Cranberries	Fruit rot	8 lbs.	1 pak per 2.5 acres	
	USE INSTRUCTIONS. Make first application in late bloom. One or two additional applications at 10- to 14-day intervals may be required, depending upon disease severity.			
	Rose bloom	8 lbs.	1 pak per 2.5 acres	
	USE INSTRUCTIONS: Apply three sprays on 10- to 14-day schedule as soon as symptoms are observed.			
	Bacterial stem canker	8 lbs.	1 pak per 2.5 acres	
	USE INSTRUCTIONS: Apply postharvest and again in Spring before bud burst. One or two additional applications at 10- to 14-day intervals may be required depending upon disease severity.			
	Tip blight (Monolinia), Stem and Leaf blight, Red leaf spot	8 lbs.	1 pak per 2.5 acres	
	USE INSTRUCTIONS: Apply dela Spring. Repeat at 10- to 14-day i pre-bloom.			
Cucumbers	Angular leaf spot, Downy mildew	1.5 to 2 lbs.	3 to 4 paks per 40 acres	
	USE INSTRUCTIONS: Apply wee	kly when plant	s begin to vine.	
Currants, Goose-	Leaf spot, Anthracnose	10 lbs.	1 pak per 2 acres	
berries	USE INSTRUCTIONS: Make initi. have expanded. Continue on a 10 wet conditions in the Spring. Mak after harvest.	0- to 14-day so	hedule during	
Dill	Phoma leaf spot, (Rhizoctonia), Foliage blight	2 to 3 lbs.	2 to 3 paks per 20 acres	
	USE INSTRUCTIONS: Begin app established in the field and repea depending upon disease severity Use higher rates when conditions	it at 7- to 10-da and environme	ay intervals ental conditions.	
Eggplant	Alternaria blight, Anthracnose, Phomopsis	2 lbs.	1 pak per 10 acres	
	USE INSTRUCTIONS: Begin app disease symptoms. Repeat spra- needed, depending on disease s	y at 7- to 10-da		

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Crop	Disease	Rate per Acre	Number of Water-Soluble Paks		
ilberts	Bacterial blight	16 to 24 lbs.	8 to 12 paks per 10 acres		
	August or early September, In se second spray when three-fourths	USE INSTRUCTIONS: Apply as a post-harvest spray in late August or early September. In seasons of heavy rainfall apply a second spray when three-fourths of the leaves have dropped. Add 1 pt. of superior-type oil per 100 gals. of water.			
	Eastern filbert blight	16 to 24 lbs.	8 to 12 paks per 10 acres		
	USE INSTRUCTIONS: Apply as water for thorough coverage. Ma harvest in October before heavy application should be made in lefollowed by another application 1 pint of a sticking agent or suprwater.	ake initial appli Winter rains bate February to one month later	cation after egin. The next early March r. If desired, add		
Ginseng	Alternaria leaf and stem blight	2.6 lbs.	2 paks per 15 acres		
	USE INSTRUCTIONS: Use as a 50W used in 100 gallons of wat as plants emerge in Spring. Appevery 7 days until plants become application is to be made before fungicides at least 8 hours before time to dry on the plants. Use of advised. Note: Alternaria leaf and stem to conditions such as those found i years old Ginseng. It is very imperative or the plants of the plants.	er. Begin applications should be dormant in Fa e a rain shower the rain, givin a spreader-stimulation the dense callorant that the se; therefore, us	cations as soon d be repeated all. If scheduled , apply g the fungicides cker or sticker is severe in humid nopies of 2 to 4 stems be e a spray		
Grapes	Black rot, Powdery mildew, Downy mildew, Phomopsis, Leaf blight	2 lbs.	1 pak per 10 acres		
	USE INSTRUCTIONS: Begin application at late dormant up to bud break with subsequent applications throughout the seaso depending upon disease severity. Note: Foliage injury may occur on copper sensitive varieties such as Concord, Delaware, Niagra and Rosette. Either test sensitivity or add 1 to 3 lbs. of hydrated lime per pound of this product.				
Guava	Anthracnose, Red algae USE INSTRUCTIONS: Make initiation of the second				
	harvest. Apply in sufficient water	for thorough co	overage.		
Hops	Downy mildew	2 lbs.	1 pak per 10 acres		
	USE INSTRUCTIONS: Make cro	own treatment a			
	before training. After training, ac at about 10-day intervals. Note: Discontinue use 2 weeks		ents are needed		
Kiwi	at about 10-day intervals. Note: Discontinue use 2 weeks Pseudomonas syringae, Erwinia herbicola, Pseudomonas fluorescens	before harvest 8 ibs.	2 paks per 5 acres		
Kiwi	at about 10-day intervals. Note: Discontinue use 2 weeks Pseudomonas syringae, Erwinia herbicola,	8 ibs. 200 gallons of	2 paks per 5 acres water per acre.		
Lettuce, Endive,	at about 10-day intervals. Note: Discontinue use 2 weeks Pseudomonas syringae, Erwinia herbicola, Pseudomonas fluorescens USE INSTRUCTIONS: Apply in Make applications on a monthly applications may be made. Downy mildew	8 ibs. 200 gallons of basis. A maxin 1 to 2 lbs.	2 paks per 5 acres water per acre. nurn of 3 1 to 2 paks per 20 acres		
Lettuce, Endive,	at about 10-day intervals. Note: Discontinue use 2 weeks Pseudomonas syringae, Erwinia herbicola, Pseudomonas fluorescens USE INSTRUCTIONS: Apply in Make applications on a monthly applications may be made. Downy mildew USE INSTRUCTIONS: Begin tre appears and repeat every 3-10 disease. Note: Flecking and/or yellowing certain environmental conditions moist weather, acid rains, or oth pH on leaf surfaces. Injury may b crop value. Increasing the volume	8 ibs. 200 gallons of basis. A maxin 1 to 2 lbs. eatment when d days as neede of leaves will consider a extension from the conditions face severe enougle of spray water	2 paks per 5 acres water per acre. num of 3 1 to 2 paks per 20 acres isease first d to suppress accur under ded periods of avoring reduced gh to reduce		
Lettuce, Endive, Escarole	at about 10-day intervals. Note: Discontinue use 2 weeks Pseudomonas syringae, Erwinia herbicola, Pseudomonas fluorescens USE INSTRUCTIONS: Apply in Make applications on a monthly applications may be made. Downy mildew USE INSTRUCTIONS: Begin tre appears and repeat every 3-10 disease. Note: Flecking and/or yellowing certain environmental conditions moist weather, acid rains, or oth pH on leaf surfaces. Injury may be	8 ibs. 200 gallons of basis. A maxin 1 to 2 lbs. eatment when d days as neede of leaves will consider a extension from the conditions face severe enougle of spray water	2 paks per 5 acres water per acre. num of 3 1 to 2 paks per 20 acres isease first d to suppress accur under ded periods of avoring reduced gh to reduce		

Crop	Disease	Rate per Acre	Number of Water-Soluble Paks	
Macadamia nuts	Anthracnose	6 lbs.	3 paks per 10 acres	
	USE INSTRUCTIONS: Initiate spand repeat on a weekly schedul in sufficient water for thorough c	e until just befo		
	Phytopthora blight (P. capsici), Raceme blight (Botrytis cinerea)	4.5 to 6 lbs.		
	USE INSTRUCTIONS: Apply du bloom periods. Apply in sufficie	ring raceme de	evelopment and	
Mamey sapote	Anthracnose, Algal leaf spot	6 to 8 lbs.	3 to paks per 5 acres	
	USE INSTRUCTIONS: Apply who development. Repeat on 14-30 severity and environmental conditions.	day schedule a		
Mangoes	Anthracnose	8 lbs.	2 to paks per 5 acres	
	USE INSTRUCTIONS: Apply me	onthly after fruit	set until harvest.	
Olives	Peacock spot, Olive knot	8 to 12 lbs.	2 to 3 to paks per 5 acres	
	USE INSTRUCTIONS: Make first fall. A second application in ear disease is severe. Apply the hig pressure or when conditions fav	ly Spring should thirate for heav	d be made if	
Onions	Purple blotch, Downy mildew	2 lbs.	1 to pak per 10 acres	
	USE INSTRUCTIONS: Begin when plants are 4 to 6 inches high and repeat at 7- to 10-day intervals or as needed. depending on disease severity. Can cause phytotoxicity on leaves.			
	Bacterial blight	1 to 1.5 lbs.		
	USE INSTRUCTIONS: Begin when plants are 4 to 6 inches high and repeat at 7- to 10-day intervals or as needed, depending on disease severity. Can cause phytotoxicity on leaves.			
Papaya	Anthracnose	4 to 10 lbs.	2 to 5 to paks per 10 acres	
	USE INSTRUCTIONS: Apply be 10 to 14 day intervals under ligh 7-day intervals under heavy dise any approved spreader is desir	it disease pres ease pressure.	sure and at 5- to	
Parsley	Bacterial blight (Pseudomonas sp.)	3 lbs	2 to paks per 13 acres	
	USE INSTRUCTIONS: Begin an established in the field and repe depending upon disease severi	eat at 5- to 7-da	ay intervals	
Passion fruit	Anthracnose	6 lbs.	3 to paks per 10 acres	
	USE INSTRUCTIONS: Make initional flowering and repeat on a week harvest. Apply in sufficient water	ly schedule unt	il just before	
Peaches, Nectarines	Leaf curl, Coryneum blight (shot hole), Bacterial canker and Blast (Pseudomonas), Bacterial spot (Xanthomonas)	8 to 16 lbs.	1 to 2 to paks per 2.5 acres	
	USE INSTRUCTIONS: Apply at when rainfall is very heavy and obe used with agricultural spray of	disease pressu		
	Brown rot blossom blight	8 to 12 lbs.	2 to 3 paks , per 5 acres	
	USE INSTRUCTIONS: Apply as Application at this time affords s Coryneum blight.			
	Bacterial spot	1 lb.	1 pak per 20 acres	
	USE INSTRUCTIONS: Make po second cover sprays.	st-bloom appli	cation at first and	
	Bacterial spot	8 lbs.	2 paks per 5 acres	
	USE INSTRUCTIONS: Apply as	a dormant sp	ray.	

Note: Do not spray later than three weeks prior to harvest. Use only recommended rates. Spotting of leaves and defoliation may occur from use in cover sprays.

Con	tinu	ed)

Crop	Disease	Rate per Acre	Number of Water-Soluble Paks
Peanuts	Cercospora leaf spot	1.5 to 3 lbs.	1 to 2 paks per 13 acres
	USE INSTRUCTIONS: Begin sp planting or when disease sympt to 14-day intervals as needed. If during humid weather. Use high favor disease. Note: The use of one to two quadded.	oms first appea Reduce sprays er rates when v	ar and repeat at 10- to 7-day intervals weather conditions
Pears	Fire blight	1 lb.	1 pak per 20 acres
	USE INSTRUCTIONS: Apply at bloom period.		
	Blossom blast (Pseudomonas blight)	12 to 16 lbs.	3 to 4 paks per 5 acres
	USE INSTRUCTIONS: Apply be dormancy before Spring growth disease pressure is high or whe of such. Note: May cause Fruit russet or	starts. Use the en conditions fa	higher rates when vor the development
Peas	Powdery mildew	1.5 to 3 lbs.	1 to 2 paks per 13 acres
	USE INSTRUCTIONS: Begin ap first appear and repeat at week rate for more severe disease.		
Pecans	Shuck and Kernel rot (Phytophthora cactorum), Zonate leaf spot (Cristulariella pyramidalis)	2 to 4 lbs.	1 to 2 paks per 10 acres
	USE INSTRUCTIONS: For supp ensure complete spray coverage at kernel growth and continuing rate and shorter intervals if frequ	e at 2- to 4-wer until shucks op	ek intervals starting en. Use the higher
	Mosses, Alga, Lichen	6 lbs.	3 paks per 10 acre
	USE INSTRUCTIONS: Mix with basis and apply in dormant sear wetting limbs and mosses.		
Pecans (FL and TX)	Ball Moss	6 lbs.	3 paks per 10 acres
	USE INSTRUCTIONS: Apply 6 pounds per 100 gal the Spring, when Ball moss is actively growing, using spray per foot of tree height. Make sure to wet Ball thoroughly. A second application may be required a Note: This product may be injurious to ornamentals. Live Oaks. This product may be reactive on metal surfaces. Do not spray on cars, houses, lawn furnit.		
	Shuck and Kemel rot (Phytophthora cactorum), Zonate leaf spot (Cristulariella pyramidalis)	2 to 4 lbs.	1 to 2 paks per 10 acres
	USE INSTRUCTIONS: For supplemsure complete spray coverage at kernel growth and continuing rate and shorter intervals if frequency.	e at 2- to 4-wer until shucks op	ek intervals starting en. Use the higher
	Mosses, Alga, Lichen	6 lbs.	3 paks per 10 acres
	USE INSTRUCTIONS: Mix with basis and apply in dormant seawetting limbs and mosses.		
Peppers	Bacterial spot	2 to 3 lbs.	2 to 3 paks per 20 acres
	USE INSTRUCTIONS: Begin ap favor disease development and needed depending on disease severe disease.	repeat at 5- to	10-day intervals as
Pistachios	Botrytis blight (Botryosphaeria), Panicle and Shoot blight, Septoria leaf blight, Late blight (Altemaria alternata)	4 to 8 lbs.	1 to 2 paks per 5 acres
	USE INSTRUCTIONS: Make ini repeat on a 14- to 28-day scher conditions. If disease conditions short spray interval.	dule as dictated	l by disease
Plums, Prunes	Coryneum blight (shot hale)	8 to 16 lbs.	1 to 2 paks per 2.5 acres
	USE INSTRUCTIONS: Apply as rate when rainfall is heavy and/o		
	Brown rot, Blossom blight	8 to 12 lbs.	2 to 3 paks per 5 acres
	USE INSTRUCTIONS: Apply ful early white stage. Use the higher heavy or conditions favor the de	r rate when dis	ion at pink, red or ease pressure is

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Сгор	Disease	Rate per Acre	Number of Water-Soluble Paks
Walnuts	Walnut blight	8 to 12.5 lbs.	2 to 3 paks per 5 acres
	USE INSTRUCTIONS: Apply first application spray at early pre- bloom prior to when catkins are partially expanded. Make additional applications during bloom and early nutlet stage or as needed when free moisture occurs. Thorough coverage of catkins, leaves and nutlets is essential for effective control. When applied as a dilute spray. I pint of Summer oil emulsion may be added per 100 gallons of spray. Note: Adequate control may not be obtained when copper tolerant species of Xanthomonas bacteria are present.		
Watercress	Cercospora leaf spot	2 lbs.	1 pak per 20 acres
	USE INSTRUCTIONS: Begin applications when plants are first established in the field, repeating at 7- to 14-day intervals depending on disease severity and environmental conditions. Do not exceed 4 applications per crop. Apply using ground spray equipment at no less than 50 gallons of spray solution per acre.		
Watermelon	Anthracnose, Bacterial fruit blotch (suppression), Downy miklew	1.5 to 2 lbs.	3 to 4 paks per 40 acres
	USE INSTRUCTIONS: Apply as soon as plants become established in the field and repeat at weekly intervals as needed, depending upon disease severity. Use higher rates when conditions favor disease.		
Wheat, Barley, Oats	Septoria leaf blotch, Helminthosporium spot blotch	1.5 to 2 lbs.	3 to 4 paks per 40 acres
	USE INSTRUCTIONS: Make first application at early headi and follow with a second spray 10 days later. Use the higher rates when conditions favor disease.		

CITRUS

Disease	Rate per Acre	Number of Water-Soluble Paks	
Melanose, Scab,	4 to 12 lbs.	1 to 3 paks per 5 acres	
Algal spot	USE INSTRUCTIONS: Apply as pre-bloom and post- bloom sprays.		
Greasy spot,	2 to 6 lbs.	1 to 3 paks per 10 acres	
Pink pitting	USE INSTRUCTIONS: Apply in Summer on expanded new flush. Repeat on subsequent flushes where disease pressure is severe. Use higher rates when conditions favor disease.		
Altemaria	8 to 10 lbs.	4 to 5 paks per 10 acres	
	USE INSTRUCTIONS: On susceptible varieties apply when the first Spring flush appears and each flush thereafter. Application to the fruit should start after two-thirds of the petals have fallen and be repeated on a 21 day schedule.		
Phytophthora	4 to 8 lbs.	1 to 2 paks per 5 acres	
brown rot, Septoria spot	USE INSTRUCTIONS: Begin application in Fall and continue as needed. Apply to entire tree. Apply also to bare ground 1 ft. beyond skirt. Make foliar applications to protect developing fruit in orchards with previous disease history or when conditions favor disease development. Use higher rates when conditions favor disease. Note: In CA, in areas subject to copper injury, add 0.33 to 1 lb. of high quality lime per lb. of this product.		
Citrus canker	12 lbs.	3 paks per 5 acres	
(suppression only)	USE INSTRUCTIONS: Spray flushes 7-14 days after shoots begin to grow. Young fruit may require an additional application. Number and timing of applications will be dependent on disease pressure. Under heavy disease pressure, each flush of new growth should be sprayed.		
Phytophthora foot	1 lb.	1 pak per 20 acres	
rot	USE INSTRUCTIONS: Mix with 1 gal. of water and paint trunks of trees from the soil surface to the lowest scaffold limbs. Apply in May prior to Summer rains and/or in the Fall prior to wrapping trees for freeze protection. Treatment serves for protection up to one year, but does not cure existing infections.		

Note: Adding foliar nutritionals to spray mixtures containing this product or other products and applying to Citrus during the post bloom period when young fruit is present may result in spray burn. Do not use this product on Citrus seedlings grown in greenhouses or shadehouses.

CITRUS (Field Nursery Grown)

To control Melanose, Scab, Pink pitting, Greasy spot, Brown rot and for Citrus canker (suppression), apply 2.0 pounds of this product per 100 gallons of water (4 to 8 lbs./acre)(1 to 2 paks per 5 acres). Apply this product at 28-day intervals or as needed depending on disease severity.

GREENHOUSE AND SHADEHOUSE CROPS

Notice to User: This product may be used in greenhouses and shadehouse 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 shadehouses differ greatly from crops grown under field conditions. Neither the manufacturer nor seller has determined whether or not this product can be used safely prior to commercial use. In a small area, apply the recommended rates to the plant in question, i.e. foliage, fruit, etc. and observe for 7 to 10 days for symptoms of phytotoxicity prior to commercial use.

Apply this product according to specific rates given for these crops in pounds per acre or pounds per 100 gallons. One level tablespoon of this product per 1,000 square feet is equivalent to 1 pound per acre. One-half tablespoon of this product per gallon of water is equivalent to 1 pound per 100 gallons. This product should be applied in adequate water for thorough coverage of plant parts. Begin application at first sign of disease and repeat at 7- to 14-day intervals as needed; use shorter interval during periods when severe disease conditions persist.

GREENHOUSE AND SHADEHOUSE CROPS				
Crop	Disease	Rate (TBSP / 1,000 SQ. FT.)		
Eggplant	Alternaria blight, Anthracnose, 2 Phomopsis			
	development of disease sympto	USE INSTRUCTIONS: Begin applications prior to development of disease symptoms. Repeat sprays at 7-to 10-day intervals or as needed depending on disease pressure.		
Pepper	Bacterial spot	2 to 3		
	conditions first favor disease de 5- to 10-day intervals as needed	USE INSTRUCTIONS: Begin applications when conditions first favor disease development and repeat at 5- to 10-day intervals as needed depending on disease severity. Use higher rates for severe disease.		
Cucumber	Angular leaf spot, Downy mildew	1.5 to 2		
	USE INSTRUCTIONS: Apply weekly when plants begin vine.			
Tomato	Early blight, Late blight	2 to 3		
	threatens and repeat at 7- to 10	USE INSTRUCTIONS: Begin when disease first threatens and repeat at 7- to 10-day intervals or as needed depending on disease severity. Use higher rate for severe disease.		
	Bacterial speck	2		
	USE INSTRUCTIONS: Begin applications when disease first threatens and repeat at 7- to 10-day intervals or as needed depending on disease severity. Bacterial spot, Anthracnose, Gray leaf mold, Septoria leaf spot			
	USE INSTRUCTIONS: Begin when disease first threatens and repeat at 7- to 10-day intervals or as needed depending on disease severity. Use higher rate for severe disease.			

ORNAMENTALS

Notice to User: Plant sensitivities to copper hydroxide have been found to be acceptable in specific genera and species listed on this label; however, 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 has determined whether or not 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. In a small area, apply the recommended rates to the plants in question, i.e., bedding plants, foliage, etc., and observe for 7 to 10 days for symptoms of phytotoxicity prior to commercial use.

Use this product on container, bench, or bed-grown ornamentals in greenhouses or outdoor nurseries, for professional use on ornamentals grown for indoor and outdoor landscaping, and for control of bacterial and fungal diseases of foliage, flowers and stems.

Apply as a thorough coverage spray using 1 pound of this product per 100 gallons of water. 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. One level teaspoon of this product per gallon of water is equivalent to one pound per 100 gallons. This product may be used as a maintenance spray. This product may be used as a maintenance spray alone or in combination with other fungicides such as dithiocarbarnates.

Ornamentals	Disease
Althea (Rose of Sharon)	Bacterial leaf spot
Aralia	Alternaria, Bacterial fruit blotch (suppresion), Cercospora leafspot, Downy mildew, Xanthomonas leafspot
Arborvitae	Alternaria twig blight, Cercospora leaf blight
Azalea*	Botrytis blight, Cercospora leafspot, Phytophthora dieback, Powdery mildew
Begonia	Bacterial leaf spot (Xanthomonas sp., Erwinia sp., Pseudomonas sp.)
Bougainvillea	Anthracnose, Bacterial leaf spot
Bulbs, (Tulip, Gladiolus)	Anthracnose, Botrytis blight
Camellia	Anthracnose, Bacterial leaf spot
Camphor tree	Pseudomonas leaf spot
Canna	Pseudomonas leaf spot
Camation*	Alternaria blight, Botrytis blight, Pseudomonas leafspor
Chinese tallow tree	Bacterial leaf spot (Xanthomonas sp., Pseudomonas sp.)
Chrysanthernum*	Botrytis blight, Septoria leafspot
Cotoneaster	Botrytis blight
Dahlia	Alternaria leaf spot, Botrytis gray mold, Cercospora lea
Date palm	Pestalotia leaf spot
Dianthus	Bacterial spot, Bacterial soft rot
Dogwood	Anthracnose
Dusty miller	Bacterial leaf spot (Pseudomonas cichorii)
Easter lily**	Botrytis blight
Echinacea	Bacterial leaf spot (Pseudomonas cichorii)
Elm "Drake"	Xanthomonas leaf spot
Euonymus	Anthracnose, Botrytis blight
European fan palm	Pestalotia leaf spot
Gardenia	Alternaria leaf spot, Botrytis bud rot, Cercospora leaf spot
Geranium	Alternaria leaf spot, Botrytis gray mold, Cercospora lea spot
Gladiolus	Alternaria leaf spot, Botrytis gray mold, Bacterial leaf blight
Golden rain tree	Bacterial leaf spot
Hibiscus	Bacterial leaf spot
Holly fem	Pseudomonas leaf spot
Impatiens	Bacterial leaf spot
Indian hawthom***	Anthracnose, Entomosporium leaf spot
ly (English, Algerian)*	Xanthomonas leaf spot
kora	Xanthomonas leaf spot
Juniper (Easter red cedar)	Anthracnose
Lantana	Bacterial leaf spot
Lilac	Cercospora leaf spot
Loblolly bay	Anthracnose
Loquat	Entomosporium maculata, Colletotrichum sp.
Magnolia (Southern)	Algal leaf spot, Anthracnose, Bacterial leaf spot
Magnolia (Sweet bay)	Anthracnose
Magnolia	Bacterial leaf spot
Mandevillas	Anthracnose
Marigold	Alternaria leaf spot, Botrytis leaf and flower rot, Cercospora leaf spot
Mulberry, weeping	Bacterial leaf spot
Oak, laurel	Algal leaf spot (Cephaleuros virescens)
Oleander	Bacterial leaf spot, Fungal leaf spot
Pachysandra	Volutella leaf blight
Pansy	Downy mildew

(Continued)

Ornamentals	Disease
Pentas (Egyptian star)	Bacterial leaf spot (Xanthomonas sp.)
Peony	Botrytis blight
Periwinkle	Phomopsis stem blight
Philodendron	Bacterial leaf spot
Phlox	Alternaria leaf spot
Photinia (Red top, Red leaf)	Anthracnose, Entomosporium
Pistachio	Anthracnose
Plantain lily	Bacterial leaf spot
Powder puff plant	Bacterial leaf spot
Pyracantha	Fireblight, Scab
Queen palm	Exosporium leaf spot, Phytophthora bud rot
Rhododendron	Alternaria flower spot
Rose*	Black spot, Powdery mildew
Verbena	Xanthomonas leaf spot
Viburnum	Anthracnose
Washingtonia palm	Pestalotia leaf spot
Weeping willow	Anthracnose
Yucca (Adam's needle)	Cercospora leafspot, Septoria leafspot

Discoloration of foliage and/or blooms have been noted on some varieties. To prevent residues on commercial plants, do not spray just before selling season.
 Note: Phytotoxicity may depend on varietal differences. If unfamiliar with the use of this product, apply the recommended rate to a few plants and observe after 7 to 10 days for symptoms of phytotoxicity.
 *** For Easter lily, use 3 to 5 lbs. per acre in 20 to 100 gallons water.
 **** For Indian hawthom, use 2 to 4 lbs. per 100 gallons.

ORNAMENTAL TREES				
Crop	Disease	Rate per Acre	Number of Water-Soluble Paks	
Douglas	Rhabdocline needlecast	2 lbs.	1 pak per 10 acres	
fir	USE INSTRUCTIONS: Begin applications at bud break and repeat at 3- to 4-week intervals. Apply in a tank mix another registered pesticide if moderate to severe disease pressure is present.			
Live oak	Ball moss 6 lbs. 1 pak per 3 acres			
	USE INSTRUCTIONS: Apply in 100 gallons of water in the Spring when Ball moss is actively growing using 1.5 gals. of spray per ft. 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 omamentals grown under Live oaks. This product may be reactive on metal and masonry surfaces. Do not spray on cars, houses, lawn furnitures, etc.			
Sycamore	Anthracnose 2 to 3 lbs. 2 to 3 paks per 20 acres			
	USE INSTRUCTIONS: Apply as a full spray coverage. Apply in 100 gals. of water or sufficient volume for thorough coverage. Make first application at bud crack and second application 7 to 10 days later at 10% expansion.			

TURFGRASS

Crop	Disease	Rate per Acre
Turfgrass	Algae	see USE INSTRUCTIONS -
	USE INSTRUCTIONS: Apply 1.5 lbs. per 1,000 square feet in 5 gallons of water. May be used as a maintenance spray as needed. May be used alone or in combination with fungicides. Observe all precautions and limitations on the label of each product used in tank mixes. Note: Phytotoxicity may occur depending on varietal differences. Apply the recommended rate to a small area and observe 7 to 10 days for phytotoxicity. If phytotoxicity occurs, discontinue use. Do not apply in spray solutions with a pH of less than 6.5.	

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage and disposal. **PESTICIDE STORAGE**: Store in a cool, dry place.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law. Wastes resulting from the use of this product may be disposed of on-site or at an approved waste disposal facility.

WATER-SOLUBLE PAKS: Carefully open outer bag. Never open the water-soluble pouch.

CONTAINER DISPOSAL: 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.

WARRANTY—CONDITIONS OF SALE

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OUR RECOMMENDATIONS FOR USE of this product are based upon tests believed reliable. Follow directions carefully. Timing and method of application, weather and crop conditions, mixtures with other chemicals not specifically recommended and other influencing factors in the use of this product are beyond the control of the Seller. Buyer assumes all risks of use, storage and handling of this material not in strict accordance with directions given herewith. In no case shall 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.