

55146-1

10.18.2007

1/38



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

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

OCT 18 2007

Ms. Mary Beth Endres  
Registration Manager  
Nufarm Americas Inc., AGT Division  
150 Harvester Drive, Suite 200  
Burr Ridge, IL 60527

Re: To reinstate several statements that were omitted from the July 9, 2004 EPA Stamped Label  
EPA Reg No.: 55146-1  
Date of Submission: September 27, 2007

Dear Ms. Endres:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 dated September 27, 2007, for the product Champion Wettable Powder. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the actions requested fall within the scope of PRN 98-10. The label submitted with the application has been stamped "Notification" and will be placed in our records.

If you have any questions, please call me directly at 703-305-6249 or Joyce Edwards of my staff at 703-308-5479.

Sincerely,

A handwritten signature in cursive script, appearing to read "Linda A. Arrington".

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

	United States <b>Environmental Protection Agency</b> Washington, DC 20460	<input type="checkbox"/> Registration <input type="checkbox"/> Amendment <input checked="" type="checkbox"/> Other	OPP Identifier Number <div style="text-align: right; font-size: 1.2em;">9/31</div>
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**Application for Pesticide - Section I**

1. Company/Product Number 55146-01	2. EPA Product Manager Tony Kish	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Champion Wettable Powder	PM# 22	
5. Name and Address of Applicant (Include ZIP Code) Nufarm Americas, Inc. AGT Division 150 Harvester Drive, Suite 200 Burr Ridge, IL 60527  <input type="checkbox"/> Check if this is a new address	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 _____	

**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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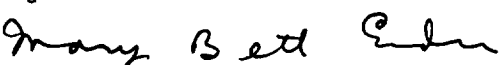
**Explanation:** Use additional page(s) if necessary. (For section I and Section II.)  
 Notification per PR Notice 98-10. See attached letter for details.

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.

**Section - III**

<b>1. Material This Product Will Be Packaged In:</b>				<b>2. Type of Container</b>	
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 type="checkbox"/> No			<input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____
* Certification must be submitted		If "Yes" Unit Packaging wgt.    No. per container	If "Yes" Package wgt    No. per container		
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/> _____	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph Paper glued <input type="checkbox"/> Stenciled			<input type="checkbox"/> Other _____		

**Section - IV**

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Mary Beth Endres	Title Registration Manager	Telephone No. (Include Area Code) 630-455-2011
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 Registration Manager	(Stamp area)
4. Typed Name Mary Beth Endres	5. Date 09-27-2007	

3/38

# CHAMPION® WETTABLE POWDER AGRICULTURAL FUNGICIDE

**ACTIVE INGREDIENT:**

Copper Hydroxide\* ..... 77.0%

**OTHER INGREDIENTS:** ..... 23.0%

**TOTAL:** ..... 100.0%

\*(Metallic Copper Equivalent 50.0%)

**KEEP OUT OF REACH OF CHILDREN  
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 the label, find someone to explain it to you in detail.)

**SEE INSIDE BOOKLET FOR FIRST AID AND ADDITIONAL PRECAUTIONARY STATEMENTS**

For Chemical Spill, Leak, Fire, or Exposure, Call CHEMTREC (800) 424-9300  
For Medical Emergencies Only, Call (877) 325-1840

EPA REG. NO. 55146-1  
EPA EST. NO. 62562-CHL-2

MANUFACTURED FOR  
NUFARM AMERICAS INC.  
AGT DIVISION  
150 HARVESTER DRIVE  
BURR RIDGE, IL 60527



NET CONTENTS      LBS.

MADE IN CHILE

055146-1.200700925.Notification

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS  
DANGER - PELIGRO**

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

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

Applicators and other handlers must wear: Long-sleeved shirt and long pants, chemical-resistant gloves made of any waterproof material, shoes plus socks, and protective eyewear. 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 personal protective equipment (PPE).

If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

**Engineering Controls Statement**

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.

<b>USER SAFETY RECOMMENDATIONS</b>	
<b>Users Should:</b>	
<ul style="list-style-type: none"> <li>• Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.</li> <li>• Remove PPE immediately after handling this product. Wash the outside of gloves before removing.</li> <li>• As soon as possible, wash thoroughly and change into clean clothing.</li> </ul>	

<b>FIRST AID</b>	
<b>IF IN EYES</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15 to 20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>IF ON SKIN OR CLOTHING</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15 to 20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>IF SWALLOWED</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>IF INHALED</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
<b>HOT LINE NUMBER</b>	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-877-325-1840 for emergency medical treatment information.	
<b>NOTE TO PHYSICIAN</b>	
Probable mucosal damage may contraindicate use of gastric lavage.	

**ENVIRONMENTAL HAZARDS**

This pesticide is toxic to fish and aquatic organisms. Do not apply directly to water, or 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 aquatic sites. Do not allow rinsate from cleaning of equipment or disposed material to enter surface or ground water. Do not contaminate water by disposal of equipment washwaters.

**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. Do not apply when wind speed favors drift beyond the area intended for treatment. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

5/38

### 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) 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 provided the following instructions are followed:  
For at least 7 days following application, 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-flush container.  
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 made of any waterproof material, 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 WPS for agricultural pesticides 40 CFR part 170. The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries or greenhouses.  
Do not enter treated area until sprays have dried.

### GENERAL INSTRUCTIONS

This product can be used as noted below. This product is adaptable to spraying from aircraft and ground spraying equipment. Depending upon the equipment used and the specific crop, the volume applied per acre will differ. Refer to recommended volume table below:

Minimum Recommended Spray Volume (Gallons) per Acre when Applying This Product:

	Aerial	Ground		
		Dilute	Concentrate	
Vegetables	3	20	-	
Field Crops	3	20	-	
Small Fruits	5	150	50	
Vines	5	150	50	
Tree Crops	10	400	50	
Citrus	10	800	100	(20 - Florida)
Miscellaneous	10	150	50	

**Turf (Algae Control):** Apply 1/2 pound of this product per 1,000 square feet in 5 gallons of water.

**Greenhouse and Shadehouse:** Apply this product according to specific rates given for those crops in pounds per acre or pounds per 100 gallons. Two level tablespoons of this product per 1000 square feet is equivalent to 1 pound per acre. One level tablespoon of this product per gallon of water is equivalent to 1 pound per 100 gallons.

**Ornamentals:** Apply as a thorough coverage spray using 1-1/2 pounds of this product per 100 gallons of water.

This product may be applied as an aerial or ground concentrate spray unless specifically directed otherwise by crop in the site instructions.

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 large mature tree crops.

The per acre use rate of this product is applicable for both dilute and concentrate spraying. Consult this 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, other factors such as foliage density, environmental conditions and sprayer

calibrations, can have a greater impact. Always be sure that sprayers are calibrated to spray equipment manufacturer's specifications and environmental conditions are within those recommended by State and local regulatory authorities.

When mixing, fill spray tank half full with water. Add this product slowly to tank while hydraulic or mechanical agitation is operating and continue filling with water. Spreaders, stickers, insecticides, nutrients, etc. should be added last. If compatibility is in question, use a compatibility jar test before mixing a whole tank. Observe the most stringent precautions and limitations on the label of all products used in mixtures.

**NOTE:** This product should not be applied in a spray solution having a pH less than 6.0 as phytotoxicity may occur.

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

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.

**NOTE:** Where application rates are provided in a range, for example 4 to 12 lbs., the higher rates are recommended when rainfall is heavy and disease pressure is high.

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

Agricultural chemicals may perform in an unpredictable manner when tank mixed, especially where several products are involved. Reduced effectiveness or crop injury may occur. Unless recommended on this label or by a state/local expert, it is advisable to test for compatibility and tolerance to crop injury prior to full-scale commercial utilization of a new tank mix or tank mixing should not be undertaken.

Application equipment should be thoroughly flushed with clean water after each day's use.

### GENERAL CHEMIGATION INSTRUCTIONS

Apply this product only through center pivot, motorized lateral move, end tow, traveler, big gun, plastic solid set, or plastic hand move sprinkler irrigation systems that do not contain aluminum components. Do not apply this product through any other type of irrigation system unless specifically set forth above or as may be specified in the future as additional systems not containing aluminum components come into use.

Shut off injection equipment after treatment and continue to operate irrigation system until this product has been cleared from the last sprinkler head.

Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water.

If you have questions about calibration, you should contact State Extension Service Specialists, equipment manufacturers or other experts.

Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label-prescribed safety devices for public water 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.

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, in-patient 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 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 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 PESTICIDES IN IRRIGATION WATER.

This sign is in addition to any sign posted to comply with the WPS.

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

7/38

the injection pump.

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

When mixing, fill nurse tank half full with water. Add this product slowly to tank while hydraulic or mechanical agitation is operating and continue filling with water. Stickers, spreaders, insecticides, nutrients, etc. should be added last. If compatibility is in question, use a compatibility jar test before mixing a whole tank. Because of the wide variety of possible combinations that can be encountered, observe the most stringent cautions and limitations on the label of all products used in mixtures.

This product should be added through a traveling irrigation system continuously or at the last 30 minutes of solid set or hand moved irrigation systems. Agitation is recommended.

### SPRINKLER CHEMIGATION

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

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

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

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

The pesticide injection pipeline must 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.

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump's motor stops.

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

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

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

When mixing, fill nurse tank half full with water. Add this product slowly to tank while hydraulic or mechanical agitation is operating and continue filling with water. Stickers, spreaders, insecticides, nutrients, etc. should be added last. If compatibility is in question, use a compatibility jar test before mixing a whole tank. Because of the wide variety of possible combinations that can be encountered, observe the most stringent cautions and limitations on the label of all products used in mixtures.

This product should be added through a traveling irrigation system continuously or at the last 30 minutes of solid set or hand moved irrigation systems. Agitation is recommended.

### 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 therefore provide some protection against light frost. Not recommended for those geographical areas where weather conditions favor severe frost.

**NOTE: ALL USE RATES LISTED BELOW ARE LBS. OF THIS PRODUCT PER ACRE UNLESS OTHERWISE INDICATED.**

### CITRUS

This product may be mixed with dry foliar nutritionals (micronutrients) to create "Shot Bag" mixes to meet the various nutritional requirements of citrus and provide disease protection as described on this label. This product per acre rates in these mixes must not exceed the maximum recommended label rates for disease control.

Adding foliar nutritionals to spray mixtures containing this product or other products and applying to citrus during the post bloom period when young fruit are present may result in spray burn. Do not use this product on citrus seedlings less than two years old in greenhouses or shadehouses.

*Melanose, Scab, Algal Spot:* apply 4 to 12 lbs. as pre-bloom and post-bloom sprays.

*Greasy Spot, Pink Pitting:* apply 4 to 8 lbs. in Summer on expanded new flush. Repeat on subsequent flushes if disease conditions are present.

*Brown Rot:* apply 4 to 8 lbs. Begin application in Fall and continue as needed. Apply to skirts of trees to a height of at least 4 feet. Apply also to bare ground one foot beyond skirt.

*Alternaria Brown Spot (SUPPRESSION)\*:* on susceptible varieties apply 8 to 10 lbs. when the first Spring flush appears and each flush thereafter. Application to the fruiting bodies should start after two thirds of the petals have fallen and be repeated on a 21 day schedule.

**NOTE: (In California)** In areas subject to copper injury, add 1/3 to 1 pound of high quality lime per pound of this product.

*Phytophthora, Foot Rot:* mix 1 lb. with 1 gallon of water or latex paint and paint trunks of trees from the soil surface to the lowest scaffold limbs. Treatment serves as protection for up to one year, but does not cure existing infections.

Mix 1 lb. with 1 to 2 pints of water. Add mixture to 1 gallon of treehold or latex paint. Paint trunks of trees from soil surface to the lowest scaffold limbs. Treatment serves for protection for up to 1 year, but does not cure existing infections.

**NOTE:** Areas where microjet or low volume irrigation hit the tree trunk may require retreatment due to wash off.

*Citrus Canker. (SUPPRESSION):* apply 12 lbs. Spray this product on canker flushes 7 to 14 days after shoots begin to grow. Young fruit may require an additional application. Number and timing of applications will be dependent upon disease pressure. Under heavy pressure, each flush of new growth should be sprayed.

**FIELD NURSERY GROWN**

*Melanose, Scab, Pink Pitting, Greasy Spot, Brown Rot and Citrus Canker (SUPPRESSION):* apply 2 lbs. of this product per 100 gallons of water (4 to 8 lbs. per acre). Apply this product at 28 day intervals or as needed depending on disease severity.

**FIELD CROP**

**ALFALFA**

*Cercospora, Leptosphaerulina Leaf Spot:* apply 2 lbs. 10 to 14 days before each harvest or earlier if disease threatens.

**NOTE:** Crop injury may occur with sensitive varieties, such as Lathontan. Determine the sensitivity of the variety in question by testing this product on a small area before treating an entire field.

**PEANUT**

*Cercospora Leaf Spot:* apply 1-1/2 to 3 lbs. One to 2 quarts of flowable sulfur per acre may be added. Begin spraying at 35 to 40 days after planting or when disease symptoms first appear and repeat at 10 to 14 day intervals as needed. Reduce sprays to seven day intervals during humid weather.

**POTATO**

*Early & Late Blight:* apply 1 to 1-1/2 lbs. at 5 to 10 day intervals or as needed starting when plants are 3 to 6 inches high in locations where disease is light and up to 3 to 4 lbs. per acre where disease is more severe.

*Colorado Potato Beetle (SUPPRESSION):* applying 1 to 4 lbs. of this product at rates and timing recommended for control of early and late blight may provide suppression of the *Colorado Potato Beetle*.

**SUGAR BEET**

*Cercospora Leaf Spot:* apply 2 to 5 lbs. when conditions first favor disease development and repeat at 10 to 14 day intervals as needed.

**WHEAT, OATS\*, BARLEY**

*Septoria Leaf Blotch, Helminthosporium Spot:* apply 1 1/2 to 2 lbs. Make first application by early heading and follow with second spray 10 days later.

**NOTE:** Crop injury may occur with sensitive varieties. Determine the sensitivity of the variety in question by testing this product on a small area before treating an entire field.

\*Except California

**SMALL FRUITS**

**BLACKBERRY**

(Santiam, Logan, Boysen, Marion, Aurora, Cascade, Chehalem, Thornless Evergreen). *Leaf and Cane Spot, Purple Blotch, Anthracnose, Yellow Rust, Pseudomonas Blight:* apply 4 lbs. Make Fall application after harvest. Apply delayed dormant spray after training in the Spring. Add 1 quart of crop oil per acre.

*Leaf & Cane Spot, Purple Blotch, Anthracnose, Yellow Rust:* apply 2 lbs. when leaf buds begin to open and repeat when flower buds show white. Add 1 quart of superior-type oil per acre.

**NOTE:** Crop injury may occur if applied to foliage under certain environmental conditions such as hot or prolonged moist periods. Discontinue applications if signs of crop injury appear.

**BLUEBERRY**

*Bacterial Canker:* apply 4 to 8 lbs. Make first application before Fall rains and a second application four weeks later.

**CRANBERRY**

*Fruit Rot:* apply 8 lbs. Make first application in late bloom. One or two additional applications at 10 to 14 day intervals may be required depending upon disease severity.

*Upright Dieback:* apply 8 lbs. as a prebloom application. A second application can be made 10 to 14 days later if required.

*Rose Bloom:* apply three 8 lbs. sprays on 10 to 14 day schedule as soon as symptoms are observed.

*Bacterial Stem Canker:* apply 8 lbs. post harvest and again in Spring before bud burst. One or two additional applications at 10 to 14



day intervals may be required depending on disease severity.

*Stem & Leaf Blight, Red Leaf Spot, Tip Blight (Monilinia)*: apply 8 lbs. Apply delayed dormant spray in the Spring. Repeat at 10 to 14 day interval or as needed through pre-bloom.

**CURRENT, GOOSEBERRY**

*Leaf Spot, Anthracnose*: apply 10 lbs. Make three applications starting after harvest followed by application before bloom and after petal fall.

**RASPBERRY**

*Leaf & Cane Spot, Purple Blotch, Anthracnose, Yellow Rust, Pseudomonas Blight*: apply 4 lbs. Apply delayed dormant spray after training in the Spring. Make Fall application after harvest. Add 1 quart of crop oil per acre.

**STRAWBERRY**

*Leaf Spot, Leaf Blight, Angular Leaf Spot (Xanthomonas)*: apply 2 to 3 lbs. Begin application when plants are established and continue on a weekly schedule throughout season.

**NOTE**: Crop injury may occur if applied to foliage under certain environmental conditions such as hot or prolonged moist periods. Discontinue applications if signs of crop injury appear.

**TREE CROPS**

**ALMOND, APRICOT, CHERRY, PLUM, PRUNE**

*Coryneum Blight, Bacteria Canker and Bacterial Blast (Pseudomonas)*: apply 8 to 16 lbs. Dormant application: Apply before Fall rains and a second application before foliage and buds begin to swell.

**For Cherries**, an additional application at leaf fall may be required under severe disease conditions.

**For Almonds**, *Bacterial Blast (Pseudomonas)*: apply 8 to 16 lbs. Apply at dormant to early pink bud. For control in sprinkler irrigated orchards or where disease is severe, apply 1 to 3 lbs. per acre at two week post-bloom intervals or just before sprinkling.

**NOTE**: Injury may occur from post-bloom sprays, especially on Neplus varieties of Almonds.

*Coryneum Blight, Brown Rot, Blossom Blight (For dormant application)*: apply 8 to 12 lbs. Apply before foliage buds begin to swell. (For early bloom (popcorn) application): apply 6 to 8 lbs. Apply before full bloom.

**NOTE**: To avoid plant injury, do not use above rate after full bloom.

**APPLE**

*Anthracnose, European Canker, Blossom & Shoot Blast, Pseudomonas*: apply 12 to 16 lbs. Apply before Fall rains. Use higher rates under severe disease conditions.

**NOTE**: Use on yellow varieties may cause discoloration. To avoid, pick before spraying.

*Fireblight*: apply 8 to 16 lbs. Make application between silver-tip and green-tip. Apply as a full cover spray.

**NOTE**: Crop injury may occur from late application. After 1/4 inch green-tip, apply at 1 lb. per acre.

*Crown & Collar Rot*: apply 4 lbs. Mix in 100 gallons of water. Apply 4 gallons of suspension as a drench on the lower trunk area of each tree. Apply either in early Spring or in late Fall after harvest.

**NOTE**: Do not use if soil pH is below 5.5 since copper toxicity may result.

**AVOCADO**

*Scab, Blotch, Anthracnose*: apply 8 to 12 lbs. Apply when bloom buds begin to swell and continue application at monthly intervals as required for control.

**BANANA**

*Sigatoka*: apply 2 lbs. Apply by air in 3 gallons of water containing 1/2 gallon of agricultural oil. Apply on a 14 day schedule throughout the wet season. Apply at 21 day intervals during dry periods.

*Black Pitting*: apply 4 lbs. Mix in 100 gallons of water. Apply directly to the fruit stem and include the basal portion of the leaf crown. Apply during the first and second weeks after fruit emergence.

**CACAO**

*Black Pod*: apply 2 to 8-1/2 lbs. Begin applications at the start of the rainy season and continue while infection conditions persist. Apply 2 to 4-1/2 lbs. as often as 14 to 21 days in high rainfall areas at varying rates depending on disease severity. For drier areas, where two to four applications are recommended during critical infection periods and at long intervals, use 8-1/2 lbs. per acre, according to disease incidence and planting density.

**COFFEE**

*Coffee Berry Disease (Collectotrichum coffeanum)*: apply 6 to 8 lbs. Apply first spray after flowering and before onset of long rains and then at 21 to 28 day intervals until picking.

*Bacterial Blight (Pseudomonas syringae)*: apply 6 to 8 lbs. Begin spray program before the onset of the long rains and continue throughout the rainy season at 14 to 21 day intervals. The critical time of spraying to control this disease is just before, during and after flowering(s) especially when coinciding with wet weather.

*Leaf Rust (Hemileia vastatrix)*: apply 2 to 4 lbs. Apply before the onset of rain and then at 21 day intervals while the rains continue. Use higher rates when rainfall is heavy and disease pressure is high.

*Iron Spot (Cercospora coffeicola) & Pink Disease (Corticium salmonicolor)*: apply 2 lbs. Use concentrate or dilute spray. Begin treatment at the start of the wet season and continue at monthly intervals for three applications.

#### FILBERT

*Bacterial Blight*: apply 16 to 24 lbs. Apply as a post harvest spray. In seasons of heavy rainfall apply a second spray when three-fourths of the leaves have dropped. Add 1 pint of superior type oil per 100 gallons of water depending on disease pressure.

*Eastern Filbert Blight*: apply 16 to 24 lbs. Apply in sufficient water to obtain thorough coverage. Make initial application at budswell to budbreak. Additional sprays should be made on a 10 to 14 day interval depending on disease severity or when conditions are conducive for disease development. Add 1 pint of superior-type oil per 100 gallons of water.

#### MANGO

(Florida Only) *Anthracnose*: apply 8 to 10 lbs. Apply monthly after fruit set until harvest.

#### OLIVE

(California Only) *Peacock Spot, Olive Knot*: apply 8 to 12 lbs. Make first application before Winter rains fall. A second application in early Spring should be made if disease is severe.

#### PEACH, NECTARINE

*Leaf Curl, Coryneum Blight (Shothole), Bacterial Canker, Blast (Pseudomonas), Bacterial Spot (Xanthomonas)*: apply 8 to 16 lbs. Apply after leaf fall as a dormant application. Use the higher rate when rainfall is very heavy and disease pressure is high. May be used with an agricultural spray oil.

*Brown Rot, Blossom Blight, Leaf Curl, Coryneum Blight*: apply 8 to 12 lbs. Apply as a full cover spray at pink bud. Application at this time affords some control of *Leaf Curl* and *Coryneum Blight*.

Dormant Spray: apply at 8 to 16 lbs.

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

#### PEAR

*Fire Blight*: apply 1 lb. Apply at five day intervals throughout the bloom period.

*Pseudomonas Blight*: apply 12 to 16 lbs. Apply before Fall rains and again during dormancy before Spring growth starts.

**NOTE:** Excessive dosages may cause fruit russet.

#### PECAN \*

*Shuck & Kernel Rot (Phytophthora cactorum), Zonate Leaf Spot (Cristulariella pyramidalis)*: apply 2 to 4 lbs. (FOR SUPPRESSION) Apply in sufficient water to ensure complete spray coverage at two to four week intervals starting at kernel growth and continuing until shucks open. Use the higher rate and shorter interval if frequent rainfall occurs.

#### PISTACHIO

*Botrytis Blight, Botryosphaeria Panicle, Shoot Blight, Septoria Leaf Blight, Late Blight (Alternaria alternata)*: apply 4 to 8 lbs. Make initial application at bud swell and repeat on a 14 to 28 day schedule as dictated by disease conditions. If disease conditions are severe, use the high rate and short spray interval.

#### QUINCE \*

*Fire Blight*: apply 1 lb. Apply at five day intervals through bloom period. Apply in adequate water for thorough coverage.

#### WALNUT

*Walnut Blight*: apply 8 to 12 1/2 lbs. Apply first application spray at early pre-bloom prior to or when catkins are partially expanded. Make additional applications during bloom and early nutlet stage or as needed if frequent rainfall occurs. Thorough coverage of catkin leaves and nutlets is essential for effective control.

**NOTE:** When applied as a dilute spray, 1 pint of summer oil emulsion may be added per 100 gallons of spray. Adequate control may not be obtained when copper tolerant species of Xanthomonas bacteria are present.

\*Except California

### VEGETABLES

#### BEAN

(Dry and Green) *Bacterial Blight (Halo & Common), Brown Spot*: apply 1 to 3 lbs. Use the higher rate for more severe disease. For protective sprays, make first application when plants are six inches high; repeat on a 7 to 14 day schedule depending upon local conditions.

#### BEETS

(Table Beets, Beet Greens) *Cercospora Leaf Spot*: apply 2 to 5 lbs. Begin applications when conditions first favor disease development and repeat at 10 to 14 day intervals or as needed.

**BROCCOLI, BRUSSELS SPROUT, CAULIFLOWER, COLLARD\*, MUSTARD AND TURNIP GREENS**

*Black Rot (Xanthomonas), Black Leaf Spot (Alternaria), Downy Mildew:* apply 1 to 2 lbs. Apply at 7 to 10 day intervals. For control of disease of these crops, begin application after transplants are set in the field, or shortly after emergence of field seeded crops or when conditions favor disease development. Use short interval and higher rates when conditions favor disease.

**NOTE:** Reddening of older leaves may occur on Broccoli.

**CABBAGE**

*Downy Mildew:* apply 1/2 to 1 lb. Apply at seven day intervals. Use higher rate when conditions favor disease.

*Black Rot (Xanthomonas), Black Leaf Spot (Alternaria):* apply 2 lbs. Apply at 7 to 10 day intervals beginning after transplants are set in field or shortly after emergence of field seeded crops or when conditions favor disease development.

**NOTE:** Flecking of wrapper leaves may occur at the 2 lbs. rate.

**CARROT**

*Cercospora Leaf Spot:* apply 2 lbs. Begin application when disease first threatens and repeat at 7 to 14 day intervals as needed depending on disease severity.

**CELERY, CELERIAC**

*Cercospora Early Blight, Septoria Late Blight, Bacterial Blight:* apply 2 lbs. Begin applications as soon as plants are first established in the field, repeating at 5 to 7 day intervals depending on disease severity and environmental conditions.

**CUCURBITS**

(Cantaloupe, Cucumber, Honeydew, Muskmelon, Pumpkin, Squash, Watermelon) *Alternaria Leaf Spot, Angular Leaf Spot, Anthracnose, Downy & Powdery Mildew, Gummy Stem Blight, Watermelon Bacterial Fruit Blotch (SUPPRESSION):* apply 1-1/2 to 3 lbs. Begin application when conditions are favorable for disease development. Repeat at 5 to 7 day intervals or as needed.

**NOTE:** Crop injury may occur from application at higher rates and shorter intervals. Discontinue use if injury occurs.

**EGGPLANT**

*Alternaria Blight, Anthracnose, Phomopsis:* apply 2 lbs. Begin applications prior to development of disease symptoms. Repeat sprays at 7 to 10 day intervals or as needed depending on disease severity.

**ONION, GARLIC**

*Purple Blotch, Downy Mildew, Bacterial Blight:* apply 2 lbs. Begin when plants are 4 to 6 inches high and repeat at 7 to 10 day intervals as needed depending upon disease pressure.

**PEA**

*Powdery Mildew:* apply 1-1/2 to 3 lbs. Begin applications when disease symptoms first appear and repeat at weekly intervals as needed. Use higher rate for more severe disease.

**PEPPER**

*Bacterial Spot:* apply 2 to 3 lbs. When disease threatens, apply in sufficient water for adequate coverage at 5 to 10 day intervals depending on disease severity.

**SPINACH**

*Anthracnose, White Rust, Downy Mildew, Cercospora Leaf Spot, Black Leaf Spot, Blue Mold:* apply 1 to 2 lbs. Begin application when disease first appears or when conditions favor disease development. Repeat at 7 to 10 day intervals as needed.

**NOTE:** Flecking may occur on Spinach leaves.

**TOMATO**

*Early & Late Blight, Bacterial Spot, Anthracnose, Gray Leaf Mold, Septoria Leaf Spot:* apply 2 to 4 lbs. Begin when disease first threatens and repeat at 5 to 10 day intervals or as needed depending on disease severity.

*Bacterial Speck:* apply 2 lbs. Begin applications when disease first threatens and repeat at 10 to 30 day intervals or as needed depending on disease severity.

**WATERCRESS \***

*Cercospora Leaf Spot:* apply 2 lbs. Begin application 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 four applications per crop. Apply using ground spray equipment at no less than 50 gallons of spray solution per acre.

\*Except California

**VINES**

**GRAPE**

*Black Rot, Powdery & Downy Mildew, Phomopsis:* apply 2 to 4 lbs. Begin application at bud break with subsequent applications throughout the season depending upon disease severity.

**NOTE:** Foliage injury may occur on copper sensitive varieties such as Concord, Delaware, Niagara, and Rosette. Either test for sensitivity or add 1 to 3 lbs. of hydrated lime per pound of this product.

**HOPS**

*Downy Mildew:* apply 2 lbs. Make crown treatment after pruning, but before training. After training, additional treatments are needed at about 10 day intervals.

**NOTE:** Discontinue use two weeks before harvest.

**KIWI**

*Pseudomonas syringae, Erwinia herbicola, Pseudomonas fluorescens:* apply 8 lbs. Apply in 200 gallons of water per acre. Make applications on a monthly basis. A maximum of three applications may be made.

**MISCELLANEOUS**

**ATEMOYA \***

*Anthracnose:* apply 3 lbs. Make initial application just before flowering and repeat on a weekly schedule until just before harvest. Apply in sufficient water for thorough coverage.

**CARAMBOLA \***

*Anthracnose:* apply 6 lbs. Make initial application just before flowering and repeat on a weekly schedule until just before harvest. Apply in sufficient water for thorough coverage.

**CHIVES \***

*Downy Mildew:* apply 2 lbs. Begin application when plants are established in the field. Repeat applications every 7 to 10 days as dictated by disease conditions. If disease pressure is high, use the shorter spray interval.

**DILL**

*Phoma Leaf Spot, Rhizoctonia Foliage Blight:* apply 2 to 3 lbs. Begin applications when plants are first established in the field and repeat at 7 to 10 day intervals or as needed depending upon disease severity and environmental conditions.

**DOUGLAS FIR \***

*Rhabdocline Needlecast:* apply 2 lbs. Begin applications at bud break and repeat at three to four week intervals. Apply in a tank mix with another registered pesticide if moderate to severe disease pressure is present.

**GINSENG**

*Alternaria Leaf Blight, Stem Blight:* apply 2-3/5 lbs. Use as a tank mix with 2 pounds Rovral® 50W in 100 gallons of water. Begin CHAMPION WETTABLE POWDER-Rovral applications as soon as plants have emerged in Spring. Applications should be repeated every seven days until plants become dormant in Fall. If scheduled application is to be made before a rain shower, apply fungicides at least eight hours before the rain, giving the fungicides time to dry on the plants. Use of a spreader-sticker or sticker is advised.

**NOTE:** *Alternaria Leaf & Stem Blight* is most severe in humid conditions such as those found in the dense canopies to 2, 3 and 4 year old Ginseng. It is very important that the stems be thoroughly covered with fungicide; therefore, use a spray apparatus which distributes the fungicide throughout the canopy.

**GUAVA \***

*Anthracnose, Red Algae:* apply 3 lbs. Make initial application just before flowering and repeat on a weekly schedule until just before harvest. Apply in sufficient water for thorough coverage.

**LITCHI \***

*Anthracnose:* apply 3 lbs. Make initial application just before flowering and repeat on a weekly schedule until just before harvest. Apply in sufficient water for thorough coverage.

**LIVE OAK**

**(Texas & Florida Only)** *Ball Moss:* apply 6 lbs. per 100 gallons of water, in the Spring when ball moss is actively growing, using 1-1/2 gallons of spray per foot of tree height. Make sure to wet ball moss tufts thoroughly. A second application may be required after 12 months.

**NOTE:** This product may be injurious to ornamentals grown under Live Oaks. This product may be reactive on metal and masonry surfaces such as galvanized roofing. Avoid contact with metal surfaces. Do not spray on cars, houses, lawn furniture, etc.

**MACADAMIA**

*Anthracnose:* apply 6 lbs. Initiate sprays at first sign of flowering and repeat in a weekly schedule until just before harvest. Apply in sufficient water for thorough coverage.

*Phytophthora Blight (P. capsici), Raceme Blight (Botrytis cinerea):* apply 4-1/2 to 6 lbs. Apply during raceme development and bloom periods. Apply in sufficient water for thorough coverage.

**MAMEY SAPOTE \***

*Anthracnose, Algal Leaf Spot:* apply 6 to 8 lbs. Apply when conditions favor disease development. Repeat on 14 to 30 day schedule. Apply in sufficient water for thorough coverage.

13/38

**PAPAYA**

*Anthraco*se: apply 4 to 10 lbs. Begin applications before disease appears and repeat at 10 to 14 day intervals. Apply at 5 to 7 day intervals during periods of heavy rainfall. Use higher rates when conditions favor disease.

**PARSLEY \***

*Bacterial Blight*: apply 3 lbs. Begin applications when plants are first established in the field and repeat at 5 to 7 day intervals depending upon disease severity and environmental conditions.

**PASSION FRUIT**

*Anthraco*se: apply 6 lbs. Make initial application just before flowering and repeat on a weekly schedule until just before harvest. Apply in sufficient water for thorough coverage.

**PERSIMMON**

*Cercospora Leaf Spot*: apply 2 lbs. Apply in 100 gallons of water beginning in May/June, during leaf flush, and repeat at 14 day intervals throughout the season depending on disease severity.

**SUGAR APPLE (ANNONA) \***

*Anthraco*se: apply 12 lbs. Make initial application just before flowering and repeat on a weekly schedule until just before harvest. Apply in sufficient water for thorough coverage.

**SYCAMORE**

*Anthraco*se: apply 2 to 3 lbs. Apply as a full cover spray. Apply in 100 gallons of water or sufficient volume for thorough coverage. Make first application at bud crack and second application 7 to 10 days later at 10% leaf expansion.

\*Except California

**GREENHOUSE AND SHADE HOUSE CROPS**

Notice to User: This product may be used in greenhouses and shade houses to control diseases on some crops which appear on this label. The grower should bear in mind that the sensitivity of crops grown in greenhouses and shade houses differ greatly from crops grown under field conditions. Neither the manufacturer nor seller has determined whether or not this product can be used safely on all greenhouse and shade house-grown crops. The user should determine if this product can be used safely prior to commercial use. In a small area, apply the recommended rates to the plants in question, i.e. foliage, fruit, etc., and observe for 7 to 10 days for symptoms of phytotoxicity prior to commercial use.

Apply this product according to specific rates given for those crops in pounds per acre or pounds per 100 gallons. Two level tablespoons of this product per 1000 square feet is equivalent to 1 pound per acre. One level 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.

Do not use this product on citrus seedlings less than two years old in greenhouses or shadehouses.

**NOTE:** Rates listed per 1000 square feet.

**EGGPLANT**

*Alternaria Blight, Anthracnose, Phomopsis*: apply 4 tablespoons. Begin application prior to development of disease symptoms. Repeat sprays at 7 to 10 day intervals or as disease pressure dictates.

**PEPPER**

*Bacterial Spot*: apply 4 to 6 tablespoons. 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.

**TOMATO**

*Early & Late Blight*: apply 4 to 6 tablespoons. Begin when disease first threatens and repeat at 7 to 10 intervals or as needed depending on disease severity. Use higher rates for severe disease.

*Bacterial Speck*: apply 4 tablespoons. 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*: apply 4 to 8 tablespoons. Begin applications 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.

**CITRUS (NON-BEARING NURSERY)**

*Melanose, Scab, Pink Pitting, Greasy Spot, Brown Rot, Citrus Canker*: apply 6 tablespoons. Begin applications when disease threatens. Repeat at 30 day intervals or as needed depending on disease severity.

**CITRUS  
FIELD NURSERY GROWN**

To control *Melanose, Scab, Pink Pitting, Greasy Spot, Brown Rot and for Citrus Canker (SUPPRESSION)*: apply 2 pounds of this product per 100 gallons of water (4 to 8 lbs. per acre). Apply this product at 28 day intervals or as needed depending on disease severity.

**TURFGRASS**  
(Except California)

To control algae in turfgrass, apply 1/2 pound of this product per 1,000 square feet in 5 gallons of water. This product may be used alone or in combination with other registered fungicides as a maintenance spray. Observe the most stringent precautions and limitations on the label of each product used in tank mixes.

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

**ORNAMENTALS**

Notice to User: Plant sensitivities to this product have been found to be acceptable in specific genera and species listed on this label, however, it is impossible to know sensitivities under all conditions and phytotoxicity may occur. Due to the large number of species and varieties of ornamentals and nursery plants, it is impossible to test every one for sensitivity to this product. Neither the manufacturer nor seller recommends use upon species not listed on the label. 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, shade houses 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.

For Control of Disease on Ornamentals in Greenhouses, Fields and Nurseries: apply as a thorough coverage spray using 1-1/2 lbs. of this product per 100 gallons of water. One tablespoon of this product per gallon of water is equivalent to 1 lb. per 100 gallons. Begin application at first sign of disease and repeat at 7 to 14 day intervals or as needed; use shorter interval during periods of frequent rains or when severe disease conditions persist.

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

**NOTE:** Do not tank mix this product with Aliette® fungicide unless appropriate precautions have been taken to buffer the spray solution. Severe phytotoxicity may result if adequate precautions are not taken.

<u>Crop</u>	<u>Latin</u>	<u>Disease</u>
Aglaonema	<i>Aglaonema</i>	Bacterial Leaf Spot
Althea (Rose of Sharon)*	<i>Hibiscus syriacus</i>	Bacterial Leaf Spot
Aralia	<i>Dizygotheca elegantissima</i>	Xanthomonas & Cercospora Leaf Spots, Alternaria
Arborvitae*	<i>Thuja spp.</i>	Alternaria Twig Blight, Cercospora Leaf Blight
Azalea <sup>1</sup>	<i>Rhododendron spp.</i>	Cercospora Leaf Spot, Botrytis Blight, Dieback, Phytophthora, Powdery Mildew
Begonia	<i>Begonia semperflorens</i>	Bacterial Leaf Spot ( <i>Xanthomonas spp.</i> , <i>Erwinia spp.</i> , <i>Pseudomonas spp.</i> )
Boston Fern	<i>Nephrolepis exalta blightata</i>	Bacterial Leaf Spot
Bougainvillea*	<i>Bougainvillea spectabilis</i>	Anthracnose, Bacterial Leaf Spot
Bulbs (Tulip, Gladiolus)	<i>Miscellaneous</i>	Anthracnose, Botrytis Blight
Camelia	<i>Camellia japonica, C. sasanqua</i>	Anthracnose, Botrytis Blight, Bacterial Leaf Spot
Camphor Tree*	<i>Cinnamomum camphora</i>	Pseudomonas Leaf Spot
Canna	<i>Canna spp.</i>	Pseudomonas Leaf Spot
Carnation <sup>1</sup>	<i>Dianthus spp.</i>	Alternaria Blight, Pseudomonas Leaf Spot, Botrytis Blight
Chinese Tallow Tree*	<i>Sapium sebiferum</i>	Bacterial Leaf Spot ( <i>Xanthomonas spp.</i> , <i>Pseudomonas spp.</i> )
Chrysanthemum <sup>1</sup>	<i>Chrysanthemum morifolium</i>	Septoria Leaf Spot, Botrytis Blight
Cotoneaster	<i>Cotoneaster spp.</i>	Botrytis Blight
Dahlia*	<i>Dahlia pinnata</i>	Alternaria Leaf Spot, Botrytis Gray Mold, Cercospora Leaf Spot
Date Palm*	<i>Phoenix canariensis</i>	Pestalotia Leaf Spot
Dianthus*	<i>Dianthus spp.</i>	Bacterial Spot, Bacterial Soft Rot
Dogwood*	<i>Cornus florida</i>	Anthracnose
Dracaena	<i>Dracaena marginata</i>	Bacterial Leaf Spot
Dumb Cane	<i>Diffeffenbachia</i>	Bacterial Leaf Spot

Dusty Miller*	<i>Senecio cineraria</i>	Bacterial Leaf Spot ( <i>Pseudomonas cichorii</i> )
Easter Lily* <sup>2</sup>	<i>Lilium longiflorum</i>	Botrytis Blight
Echinacea*	<i>Echinacea spp.</i>	Bacterial Leaf Spot ( <i>Pseudomonas cichorii</i> )
Elm "Drake"*	<i>Ulmus parvifolia</i>	Xanthomonas Leaf Spot
Euonymus	<i>Euonymus spp.</i>	Botrytis Blight, Anthracnose
European Fan Palm*	<i>Champaerops numilis</i>	Pestalotia Leaf Spot
Gardenia*	<i>Gardenia jasminoides</i>	Alternaria Leaf Spot, Botrytis Bud Rot, Cercospora Leaf Spot
Geranium*	<i>Pelargonium spp.</i>	Alternaria Leaf Spot, Botrytis Gray Mold, Cercospora Leaf Spot
Gladiolus*	<i>Gladiolus spp.</i>	Alternaria Leaf Spot, Botrytis Gray Mold, Bacterial Leaf Blight
Golden Rain Tree	<i>Koelreuteria paniculata</i>	Bacterial Leaf Spot
Grape Ivy	<i>Cissus spp.</i>	Bacterial Leaf Spot
Hibiscus* <sup>4</sup>	<i>Hibiscus rosa sinensis</i>	Bacterial Leaf Spot
Hibiscus, Rose Mallow* <sup>4</sup>	<i>Common Rose Mallow</i>	Bacterial Leaf Spot
Holly Fern*	<i>Cyrtomium falcatum</i>	Pseudomonas Leaf Spot
Honey Locust	<i>Gleditsia triacanthos</i>	Bacterial Leaf Spot
Impatiens*	<i>Impatiens sallerana</i>	Bacterial Leaf Spot
India Hawthorne* <sup>3</sup>	<i>Raphiolepis indica</i>	Anthracnose, <u>Entomosporium Leaf Spot</u>
Ivy (English, Algerian) <sup>1</sup>	<i>Hedera helix, H. canariensis</i>	Xanthomonas Leaf Spot
Ixora*	<i>Ixora coccinea</i>	Xanthomonas Leaf Spot
Juniper (Eastern Red Cedar)*	<i>Juniperus virginiana</i>	Anthracnose
Lantana*	<i>Lantana camera</i>	Bacterial Leaf Spot
Lilac*	<i>Syringa spp.</i>	Cercospora Leaf Spot
Loblolly Bay*	<i>Gordonia lasianthus</i>	Anthracnose
Loquat*	<i>Eriobotrya japonica</i>	<i>Entomosporium maculata, Colletotrichum spp.</i>
Magnolia (Southern)*	<i>Magnolia grandiflora</i>	Algal Leaf Spot, Anthracnose, Bacterial Leaf Spot
Magnolia (Sweet Bay)*	<i>Magnolia virginiana</i>	Anthracnose
Magnolia*	<i>Magnolia soulangiana</i>	Bacterial Leaf Spot
Mandevillas*	<i>Mandevilla spp.</i>	Anthracnose
Marigold*	<i>Tagetes spp.</i>	Alternaria Leaf Spot, Botrytis Leaf & Flower Rot, Cercospora Leaf Spot
Mulberry, Contorted	<i>Morus bombycis</i>	Bacterial Leaf Spot
Mulberry, Weeping*	<i>Morus alba</i>	Bacterial Leaf Spot
Nephtytis	<i>Syngonium podophyllum</i>	Bacterial Leaf Spot
Oak, Laurel	<i>Quercus laurifolia</i>	Algal Leaf Spot ( <i>Cephaleuros virescens</i> )
Oleander*	<i>Nerium oleander</i>	Bacterial Leaf Spot, Fungal Leaf Spot
Pachysandra	<i>Pachysandra procumbens</i>	Volutella Leaf Blight
Pansy*	<i>Viola spp.</i>	Downy mildew
Parlor Palm	<i>Chamaedorea procumbens</i>	Bacterial Leaf Spot
Pear (Flowering)*	<i>Pyrus calleryana</i>	Fireblight, Leaf Spot
Pentas (Egyptian Star)*	<i>Pentas spp.</i>	Bacterial Leaf Spot ( <i>Xanthomomas spp.</i> )
Peony*	<i>Paeonia spp.</i>	Botrytis blight
Periwinkle	<i>Catharanthus roseus, Vinca spp.</i>	Phomopsis Stem Blight
Philodendron*	<i>Philodendron selloum</i>	Bacterial Leaf Spot
Phlox*	<i>Phlox spp.</i>	Alternaria Leaf Spot

16/38

Photinia (Red Tip, Red Leaf)	<i>Photinia fraserii, P. glabra</i>	Anthracnose, Entomosporium
Pistachio*	<i>Pistacia chinensis</i>	Anthracnose
Plantain Lily*	<i>Hosta spp.</i>	Bacterial Leaf Spot
Powder Puff Plant*	<i>Callindra spp.</i>	Bacterial Leaf Spot
Purple Osier Willow	<i>Salix purpurea</i>	Anthracnose
Pyracantha	<i>Pyracantha spp.</i>	Fireblight, Scab
Queen Palm*	<i>Arecastrum romanzoffianum</i>	Exosporium Leaf Spot, Phytophthora Bud Rot
Rhododendron	<i>Rhododendron spp.</i>	Alternaria Flower Spot
Rose <sup>1</sup>	<i>Rosa spp.</i>	Powdery Mildew, Black Spot
Snapdragon	<i>Antirrhinum majus</i>	Anthracnose, Dieback, Downy Mildew
Spathe Flower	<i>Spathiphyllum</i>	Bacterial Leaf Spot
Tatarian Honeysuckle	<i>Lonicera tatarica</i>	Bacterial Leaf Spot
Umbrella Tree	<i>Schefflera spp.</i>	Bacterial Leaf Spot
Verbena*	<i>Verbena spp.</i>	Xanthomonas Leaf Spot
Viburnum*	<i>Viburnum odoratissimum, V. suspensum</i>	Anthracnose
Washingtonia Palm*	<i>Washingtonia robusta</i>	Pestalotia Leaf Spot
Weeping Fig	<i>Ficus benjamina l.</i>	Bacterial Leaf Spot
Weeping Willow*	<i>Salix babylonica</i>	Anthracnose
Yucca (Adam's needle).	<i>Yucca spp.</i>	Cercospora & Septoria Leaf Spot

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

\*Except California

### STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or 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. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest Environmental Protection Agency regional office for guidance.

**CONTAINER DISPOSAL:** Completely empty bag into application equipment. 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 DISCLAIMER

The directions for use of this product must be followed carefully. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, (1) THE GOODS DELIVERED TO YOU ARE FURNISHED "AS IS" BY MANUFACTURER OR SELLER AND (2) MANUFACTURER AND SELLER MAKE NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND TO BUYER OR USER, EITHER EXPRESS OR IMPLIED, OR BY USAGE OF TRADE, STATUTORY OR OTHERWISE, WITH REGARD TO THE PRODUCT SOLD, INCLUDING, BUT NOT LIMITED TO MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, USE, OR ELIGIBILITY OF THE PRODUCT FOR ANY PARTICULAR TRADE USAGE. UNINTENDED CONSEQUENCES, INCLUDING BUT NOT LIMITED TO INEFFECTIVENESS, MAY RESULT BECAUSE OF SUCH FACTORS AS THE PRESENCE OR ABSENCE OF OTHER MATERIALS USED IN COMBINATION WITH THE GOODS, OR THE MANNER OF USE OR APPLICATION, INCLUDING WEATHER, ALL OF WHICH ARE BEYOND THE CONTROL OF MANUFACTURER OR SELLER AND ASSUMED BY BUYER OR USER. THIS WRITING CONTAINS ALL OF THE REPRESENTATIONS AND AGREEMENTS BETWEEN BUYER, MANUFACTURER AND SELLER, AND NO PERSON OR AGENT OF MANUFACTURER OR SELLER HAS ANY AUTHORITY TO MAKE ANY REPRESENTATION OR WARRANTY OR AGREEMENT RELATING IN ANY WAY TO THESE GOODS.

### LIMITATION OF LIABILITY

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7/38

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(092507N)

Aliette is a registered trademark of Bayer.  
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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

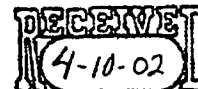
18/38

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

James Yowell  
Agtrol International  
7322 S.W. Freeway, Suite 1400  
Houston, TX 77074

JAN 31 2002

SUBJECT: Champion Wettable Powder  
EPA Reg. No. 55146-1  
Your Submission Dated August 28, 2001



Dear Mr. Yowell:

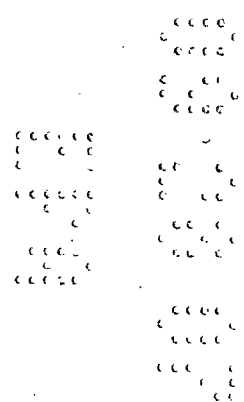
The above mentioned submission , submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) as amended is acceptable.

A stamped copy of the label is enclosed for your records. Submit one copy of the final printed label before you release the product for shipment.

Sincerely,

Cynthia Giles-Parker  
Product Manager (22)  
Fungicide Branch  
Registration Division (7505C)

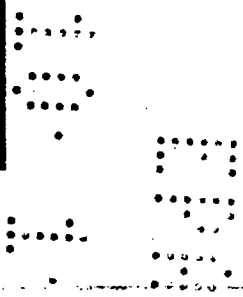
Enclosure



55146-1

01/31/2002

9/38



**ACTIVE INGREDIENT:**

Copper Hydroxide\*

77%

**OTHER INGREDIENTS:**

23%

**TOTAL**

100%

\*(Metallic Copper Equivalent 50.0%)

EPA Reg. No. 55146-1

Net Contents - 20 lbs.

EPA Est. No. 35896-SC-1

**KEEP OUT OF REACH OF CHILDREN**

**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 THE LABEL, FIND SOMEONE TO EXPLAIN IT TO YOU IN DETAIL.)

**FIRST AID**

IF IN EYES:

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

IF ON SKIN OR CLOTHING:

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

IF SWALLOWED:

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

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

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

**ACCEPTED**

1/31/2002

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 55146-1



20/30

### 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) 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 provided the following instructions are followed:

For at least 7 days following application, 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-flush container.

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 made of any waterproof material, 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 WPS for agricultural pesticides 40 CFR part 170. The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries or greenhouses. Do not enter treated area until sprays have dried.

#### GENERAL INSTRUCTIONS

Champion™ Wettable Powder (CHAMPION WP) can be used as noted below. CHAMPION WP is adaptable to spraying from aircraft and ground spraying equipment. Depending upon the equipment used and the specific crop, the volume applied per acre will differ. Refer to recommended volume table below:

##### Minimum Recommended Spray Volume (Gallons) per Acre when Applying CHAMPION:

	Aerial	Ground		
		Dilute	Concentrate	
Vegetables	3	20	-	
Field Crops	3	20	-	
Small Fruits	5	150	50	
Vines	5	150	50	
Tree Crops	10	400	50	
Citrus	10	800	100	(20 - Florida)
Miscellaneous	10	150	50	



21/38

**Turf (Algae Control):** Apply 1/2 pound CHAMPION WP per 1,000 square feet in 5 gallons of water.

**Greenhouse and Shadehouse:** Apply CHAMPION WP according to specific rates given for those crops in pounds per acre or pounds per 100 gallons. Two level tablespoons of CHAMPION WP per 1000 square feet is equivalent to 1 pound per acre. One level tablespoon of CHAMPION WP per gallon of water is equivalent to 1 pound per 100 gallons.

**Ornamentals:** Apply as a thorough coverage spray using 1 1/2 pounds CHAMPION WP per 100 gallons of water.

CHAMPION WP may be applied as an aerial or ground concentrate spray unless specifically directed otherwise by crop in the site instructions.

When selecting a use rate for CHAMPION WP 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 large mature tree crops.

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

Complete spray coverage is essential to assure optimum performance from CHAMPION WP. 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, other factors such as foliage density, environmental conditions and sprayer calibrations, can have a greater impact. Always be sure that sprayers are calibrated to spray equipment 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 CHAMPION WP slowly to tank while hydraulic or mechanical agitation is operating and continue filling with water. Spreaders, stickers, insecticides, nutrients, etc. should be added last. If compatibility is in question, use a compatibility jar test before mixing a whole tank. Observe the most stringent precautions and limitations on the label of all products used in mixtures.

**NOTE:** CHAMPION WP should not be applied in a spray solution having a pH less than 6.0 as phytotoxicity may occur.

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

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.

**NOTE:** Where application rates are provided in a range, for example 4 to 12 lbs., the higher rates are recommended when rainfall is heavy and disease pressure is high.

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

Agricultural chemicals may perform in an unpredictable manner when tank mixed, especially where several products are involved. Reduced effectiveness or crop injury may occur. Unless recommended on this label or by a state/local expert, it is advisable to test for compatibility and tolerance to crop injury prior to full-scale commercial utilization of a new tank mix or tank mixing should not be undertaken.

Application equipment should be thoroughly flushed with clean water after each day's use.

### GENERAL CHEMIGATION INSTRUCTIONS

Apply this product only through center pivot, motorized lateral move, end tow, traveler, big gun, plastic solid set, or plastic hand move sprinkler irrigation systems that do not contain aluminum components. Do not apply this product through any other type of irrigation system unless specifically set forth above or as may be specified in the future as additional systems not containing aluminum components come into use.



Shut off injection equipment after treatment and continue to operate irrigation system until CHAMPION WP has been cleared from the last sprinkler head.

Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water.

If you have questions about calibration, you should contact State Extension Service Specialists, equipment manufacturers or other experts.

Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label-prescribed safety devices for public water 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.

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, in-patient 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 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 had 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 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 PESTICIDES IN IRRIGATION WATER.

This sign is in addition to any sign posted to comply with the WPS.

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

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

When mixing, fill nurse tank half full with water. Add CHAMPION WP slowly to tank while hydraulic or mechanical agitation is operating and continue filling with water. Stickers, spreaders, insecticides, nutrients, etc. should be added last. If compatibility is in question, use a compatibility jar test before mixing a whole tank. Because of the wide variety of possible combinations that can be encountered, observe the most stringent cautions and limitations on the label of all products used in mixtures.

CHAMPION WP should be added through a traveling irrigation system continuously or at the last 30 minutes of solid set or hand moved irrigation systems. Agitation is recommended.



23/38

### SPRINKLER CHEMIGATION

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

~~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.

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

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

The pesticide injection pipeline must 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.

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump's motor stops.

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

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

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

When mixing, fill nurse tank half full with water. Add CHAMPION WP slowly to tank while hydraulic or mechanical agitation is operating and continue filling with water. Stickers, spreaders, insecticides, nutrients, etc. should be added last. If compatibility is in question, use a compatibility jar test before mixing a whole tank. Because of the wide variety of possible combinations that can be encountered, observe the most stringent cautions and limitations on the label of all products used in mixtures.

CHAMPION WP should be added through a traveling irrigation system continuously or at the last 30 minutes of solid set or hand moved irrigation systems. Agitation is recommended.

### FROST INJURY PROTECTION

**BACTERIAL ICE NUCLEATION INHIBITOR:** Application of CHAMPION WP 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 therefore provide some protection against light frost. Not recommended for those geographical areas where weather conditions favor severe frost.

**NOTE: ALL USE RATES LISTED BELOW ARE LBS. OF CHAMPION WP PER ACRE UNLESS OTHERWISE INDICATED.**

### CITRUS

CHAMPION WP may be mixed with dry foliar nutritionals (micronutrients) to create "Shot Bag" mixes to meet the various nutritional requirements of citrus and provide disease protection as described on this label. CHAMPION WP per acre rates in these mixes must not exceed the maximum recommended label rates for disease control.

Adding foliar nutritionals to spray mixtures containing CHAMPION WP or other products and applying to citrus during the post bloom period when young fruit are present may result in spray burn. Do not use CHAMPION WP on citrus seedlings less than two years old in greenhouses or shadehouses.



24/35

*Melanose, Scab, Algal Spot*: apply 4 to 12 lbs. as pre-bloom and post-bloom sprays.

*Greasy Spot, Pink Pitting*: apply 4 to 8 lbs. in Summer on expanded new flush. Repeat on subsequent flushes if disease conditions are present.

*Brown Rot*: apply 4 to 8 lbs. Begin application in Fall and continue as needed. Apply to skirts of trees to a height of at least 4 feet. Apply also to bare ground one foot beyond skirt.

*Alternaria Brown Spot (SUPPRESSION)\**: on susceptible varieties apply 8 to 10 lbs. when the first Spring flush appears and each flush thereafter. Application to the fruiting bodies should start after two thirds of the petals have fallen and be repeated on a 21 day schedule.

**NOTE: (In California)** In areas subject to copper injury, add 1/3 to 1 pound of high quality lime per pound of CHAMPION WP.

*Phytophthora, Foot Rot*: mix 1 lb. with 1 gallon of water or latex paint and paint trunks of trees from the soil surface to the lowest scaffold limbs. Treatment serves as protection for up to one year, but does not cure existing infections.

Mix 1 lb. with 1 to 2 pints of water. Add mixture to 1 gallon of treehold or latex paint. Paint trunks of trees from soil surface to the lowest scaffold limbs. Treatment serves for protection for up to 1 year, but does not cure existing infections.

**NOTE:** Areas where microjet or low volume irrigation hit the tree trunk may require retreatment due to wash off.

*Citrus Canker (SUPPRESSION)*: apply 12 lbs. Spray CHAMPION WP on canker flushes 7 to 14 days after shoots begin to grow. Young fruit may require an additional application. Number and timing of applications will be dependent upon disease pressure. Under heavy pressure, each flush of new growth should be sprayed.

### FIELD NURSERY GROWN

*Melanose, Scab, Pink Pitting, Greasy Spot, Brown Rot and Citrus Canker (SUPPRESSION)*: apply 2 lbs. of CHAMPION WP per 100 gallons of water (4 to 8 lbs. per acre). Apply CHAMPION WP at 28 day intervals or as needed depending on disease severity.

### FIELD CROP

#### ALFALFA

*Cercospora, Leptosphaerulina Leaf Spot*: apply 2 lbs. 10 to 14 days before each harvest or earlier if disease threatens.

**NOTE:** Crop injury may occur with sensitive varieties, such as Lathontan. Determine the sensitivity of the variety in question by testing CHAMPION WP on a small area before treating an entire field.

#### PEANUT

*Cercospora Leaf Spot*: apply 1 1/2 to 3 lbs. One to 2 quarts of flowable sulfur per acre may be added. Begin spraying at 35 to 40 days after planting or when disease symptoms first appear and repeat at 10 to 14 day intervals as needed. Reduce sprays to seven day intervals during humid weather.

#### POTATO

*Early & Late Blight*: apply 1 to 1 1/2 lbs. at 5 to 10 day intervals or as needed starting when plants are 3 to 6 inches high in locations where disease is light and up to 3 to 4 pounds per acre where disease is more severe.

*Colorado Potato Beetle (SUPPRESSION)*: applying 1 to 4 lbs. of CHAMPION WP at rates and timing recommended for control of early and late blight may provide suppression of the *Colorado Potato Beetle*.

#### SUGAR BEET

*Cercospora Leaf Spot*: apply 2 to 5 lbs. when conditions first favor disease development and repeat at 10 to 14 day intervals as needed.

\*Except California





## WHEAT, OATS\*, BARLEY

*Septoria Leaf Blotch, Helminthosporium Spot*: apply 1 1/2 to 2 lbs. Make first application by early heading and follow with second spray 10 days later.

**NOTE:** Crop injury may occur with sensitive varieties. Determine the sensitivity of the variety in question by testing CHAMPION WP on a small area before treating an entire field.

## SMALL FRUITS

### BLACKBERRY

(Santiam, Logan, Boysen, Marion, Aurora, Cascade, Chehalem, Thornless Evergreen). *Leaf and Cane Spot, Purple Blotch, Anthracnose, Yellow Rust, Pseudomonas Blight*: apply 4 lbs. Make Fall application after harvest. Apply delayed dormant spray after training in the Spring. Add 1 quart of crop oil per acre.

*Leaf & Cane Spot, Purple Blotch, Anthracnose, Yellow Rust*: apply 2 lbs. when leaf buds begin to open and repeat when flower buds show white. Add 1 quart of superior-type oil per acre.

**NOTE:** Crop injury may occur if applied to foliage under certain environmental conditions such as hot or prolonged moist periods. Discontinue applications if signs of crop injury appear.

### BLUEBERRY

*Bacterial Canker*: apply 4 to 8 lbs. Make first application before Fall rains and a second application four weeks later.

### CRANBERRY

*Fruit Rot*: apply 8 lbs. Make first application in late bloom. One or two additional applications at 10 to 14 day intervals may be required depending upon disease severity.

*Upright Dieback*: apply 8 lbs. as a prebloom application. A second application can be made 10 to 14 days later if required.

*Rose Bloom*: apply three 8 lb. sprays on 10 to 14 day schedule as soon as symptoms are observed.

*Bacterial Stem Canker*: apply 8 lbs. post harvest and again in Spring before bud burst. One or two additional applications at 10 to 14 day intervals may be required depending on disease severity.

*Stem & Leaf Blight, Red Leaf Spot, Tip Blight (Monilinia)*: apply 8 lbs. Apply delayed dormant spray in the Spring. Repeat at 10 to 14 day interval or as needed through pre-bloom.

### CURRANT, GOOSEBERRY

*Leaf Spot, Anthracnose*: apply 10 lbs. Make three applications starting after harvest followed by application before bloom and after petal fall.

### RASPBERRY

*Leaf & Cane Spot, Purple Blotch, Anthracnose, Yellow Rust, Pseudomonas Blight*: apply 4 lbs. Apply delayed dormant spray after training in the Spring. Make Fall application after harvest. Add 1 quart of crop oil per acre.

### STRAWBERRY

*Leaf Spot, Leaf Blight, Angular Leaf Spot (Xanthomonas)*: apply 2 to 3 lbs. Begin application when plants are established and continue on a weekly schedule throughout season.

**NOTE:** Crop injury may occur if applied to foliage under certain environmental conditions such as hot or prolonged moist periods. Discontinue applications if signs of crop injury appear.



34/39

## TREE CROPS

### ALMOND, APRICOT, CHERRY, PLUM, PRUNE

*Coryneum Blight, Bacteria Canker and Bacterial Blast (Pseudomonas)*: apply 8 to 16 lbs. Dormant application: Apply before Fall rains and a second application before foliage and buds begin to swell.

For Cherries, an additional application at leaf fall may be required under severe disease conditions.

For Almonds, *Bacterial Blast (Pseudomonas)*: apply 8 to 16 lbs. Apply at dormant to early pink bud. For control in sprinkler irrigated orchards or where disease is severe, apply 1 to 3 pounds per acre at two week post-bloom intervals or just before sprinkling.

**NOTE:** Injury may occur from post-bloom sprays, especially on Neplus varieties of Almonds.

*Coryneum Blight, Brown Rot, Blossom Blight (For dormant application)*: apply 8 to 12 lbs. Apply before foliage buds begin to swell. (For early bloom (popcorn) application): apply 6 to 8 lbs. Apply before full bloom.

**NOTE:** To avoid plant injury, do not use above rate after full bloom.

### APPLE

*Anthracnose, European Canker, Blossom & Shoot Blast, Pseudomonas*: apply 12 to 16 lbs. Apply before Fall rains Use higher rates under severe disease conditions.

**NOTE:** Use on yellow varieties may cause discoloration. To avoid, pick before spraying.

*Fireblight*: apply 8 to 16 lbs. Make application between silver-tip and green-tip. Apply as a full cover spray.

**NOTE:** Crop injury may occur from late application. After 1/4 inch green-tip, apply at 1 pound per acre.

*Crown & Collar Rot*: apply 4 lbs. Mix in 100 gallons of water. Apply 4 gallons of suspension as a drench on the lower trunk area of each tree. Apply either in early Spring or in late Fall after harvest.

**NOTE:** Do not use if soil pH is below 5.5 since copper toxicity may result.

### AVOCADO

*Scab, Blotch, Anthracnose*: apply 8 to 12 lbs. Apply when bloom buds begin to swell and continue application at monthly intervals as required for control.

### BANANA

*Sigatoka*: apply 2 lbs. Apply by air in 3 gallons of water containing 1/2 gallon of agricultural oil. Apply on a 14 day schedule throughout the wet season. Apply at 21 day intervals during dry periods.

*Black Pitting*: apply 4 lbs. Mix in 100 gallons of water. Apply directly to the fruit stem and include the basal portion of the leaf crown. Apply during the first and second weeks after fruit emergence.

### CACAO

*Black Pod*: apply 2 to 8 1/2 lbs. Begin applications at the start of the rainy season and continue while infection conditions persist. Apply 2 to 4 1/2 lbs. as often as 14 to 21 days in high rainfall areas at varying rates depending on disease severity. For drier areas, where two to four applications are recommended during critical infection periods and at long intervals, use 8 1/2 pounds per acre, according to disease incidence and planting density.

### COFFEE

*Coffee Berry Disease (Collectotrichum coffeanum)*: apply 6 to 8 lbs. Apply first spray after flowering and before onset of long rains and then at 21 to 28 day intervals until picking.



**Bacterial Blight (*Pseudomonas syringae*):** apply 6 to 8 lbs. Begin spray program before the onset of the long rains and continue throughout the rainy season at 14 to 21 day intervals. The critical time of spraying to control this disease is just before, during and after flowering(s) especially when coinciding with wet weather.

**Leaf Rust (*Hemileia vastatrix*):** apply 2 to 4 lbs. Apply before the onset of rain and then at 21 day intervals while the rains continue. Use higher rates when rainfall is heavy and disease pressure is high.

**Iron Spot (*Cercospora coffeicola*) & Pink Disease (*Corticium salmonicolor*):** apply 2 lbs. Use concentrate or dilute spray. Begin treatment at the start of the wet season and continue at monthly intervals for three applications.

## FILBERT

**Bacterial Blight:** apply 16 to 24 lbs. Apply as a post harvest spray. In seasons of heavy rainfall apply a second spray when three-fourths of the leaves have dropped. Add 1 pint of superior type oil per 100 gallons of water depending on disease pressure.

**Eastern Filbert Blight:** apply 16 to 24 lbs. Apply in sufficient water to obtain thorough coverage. Make initial application at budswell to budbreak. Additional sprays should be made on a 10 to 14 day interval depending on disease severity or when conditions are conducive for disease development. Add 1 pint of superior-type oil per 100 gallons of water.

## MANGO

(Florida Only) **Anthracnose:** apply 8 to 10 lbs. Apply monthly after fruit set until harvest.

## OLIVE

(California Only) **Peacock Spot, Olive Knot:** apply 8 to 12 lbs. Make first application before Winter rains fall. A second application in early Spring should be made if disease is severe.

## PEACH, NECTARINE

**Leaf Curl, Coryneum Blight (Shothole), Bacterial Canker, Blast (*Pseudomonas*), Bacterial Spot (*Xanthomonas*):** apply 8 to 16 lbs. Apply after leaf fall as a dormant application. Use the higher rate when rainfall is very heavy and disease pressure is high. May be used with an agricultural spray oil.

**Brown Rot, Blossom Blight, Leaf Curl, Coryneum Blight:** apply 8 to 12 lbs. Apply as a full cover spray at pink bud. Application at this time affords some control of *Leaf Curl* and *Coryneum Blight*.

**Bacterial Spot:** apply 1 lb. Post bloom application applied at first and second cover sprays.

Dormant Spray: apply at 8 to 16 lbs.

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

## PEAR

**Fire Blight:** apply 1 lb. Apply at five day intervals throughout the bloom period.

***Pseudomonas* Blight:** apply 12 to 16 lbs. Apply before Fall rains and again during dormancy before Spring growth starts.

**NOTE:** Excessive dosages may cause fruit russet.

## PECAN \*

**Shuck & Kernel Rot (*Phytophthora cactorum*), Zonate Leaf Spot (*Cristulariella pyramidalis*):** apply 2 to 4 lbs. (FOR SUPPRESSION) Apply in sufficient water to ensure complete spray coverage at two to four week intervals starting at kernel growth and continuing until shucks open. Use the higher rate and shorter interval if frequent rainfall occurs.



28/38

## PISTACHIO

*Botrytis Blight, Botryosphaeria Panicle, Shoot Blight, Septoria Leaf Blight, Late Blight (Alternaria alternata):* apply 4 to 8 lbs. Make initial application at bud swell and repeat on a 14 to 28 day schedule as dictated by disease conditions. If disease conditions are severe, use the high rate and short spray interval.

## QUINCE \*

*Fire Blight:* apply 1 lb. Apply at five day intervals through bloom period. Apply in adequate water for thorough coverage.

## WALNUT

*Walnut Blight:* apply 8 to 12 1/2 lbs. Apply first application spray at early pre-bloom prior to or when catkins are partially expanded. Make additional applications during bloom and early nutlet stage or as needed if frequent rainfall occurs. Thorough coverage of catkin leaves and nutlets is essential for effective control.

**NOTE:** When applied as a dilute spray, 1 pint of summer oil emulsion may be added per 100 gallons of spray. Adequate control may not be obtained when copper tolerant species of *Xanthomonas* bacteria are present.

## VEGETABLES

### BEAN

(Dry and Green) *Bacterial Blight (Halo & Common), Brown Spot:* apply 1 to 3 lbs. Use the higher rate for more severe disease. For protective sprays, make first application when plants are six inches high; repeat on a 7 to 14 day schedule depending upon local conditions.

### BEETS

(Table Beets, Beet Greens) *Cercospora Leaf Spot:* apply 2 to 5 lbs. Begin applications when conditions first favor disease development and repeat at 10 to 14 day intervals or as needed.

### BROCCOLI, BRUSSELS SPROUT, CAULIFLOWER, COLLARD\*, MUSTARD AND TURNIP GREENS

*Black Rot (Xanthomonas), Black Leaf Spot (Alternaria), Downy Mildew:* apply 1 to 2 lbs. Apply at 7 to 10 day intervals. For control of disease of these crops, begin application after transplants are set in the field, or shortly after emergence of field seeded crops or when conditions favor disease development. Use short interval and higher rates when conditions favor disease.

**NOTE:** Reddening of older leaves may occur on Broccoli.

### CABBAGE

*Downy Mildew:* apply 1/2 to 1 lb. Apply at seven day intervals. Use higher rate when conditions favor disease.

*Black Rot (Xanthomonas), Black Leaf Spot (Alternaria):* apply 2 lbs. Apply at 7 to 10 day intervals beginning after transplants are set in field or shortly after emergence of field seeded crops or when conditions favor disease development.

**NOTE:** Flecking of wrapper leaves may occur at the 2 lb. rate.

### CARROT

*Cercospora Leaf Spot:* apply 2 lbs. Begin application when disease first threatens and repeat at 7 to 14 day intervals as needed depending on disease severity.

### CELERY, CELERIAC

*Cercospora Early Blight, Septoria Late Blight, Bacterial Blight:* apply 2 lbs. Begin applications as soon as plants are first established in the field, repeating at 5 to 7 day intervals depending on disease severity and environmental conditions.

### CUCURBITS



21/38

(Cantaloupe, Cucumber, Honeydew, Muskmelon, Pumpkin, Squash, Watermelon) *Alternaria Leaf Spot, Angular Leaf Spot, Anthracnose, Downy & Powdery Mildew, Gummy Stem Blight, Watermelon Bacterial Fruit Blotch* (SUPPRESSION): apply 1 1/2 to 3 lbs. Begin application when conditions are favorable for disease development. Repeat at 5 to 7 day intervals or as needed.

**NOTE:** Crop injury may occur from application at higher rates and shorter intervals. Discontinue use if injury occurs.

## EGGPLANT

*Alternaria Blight, Anthracnose, Phomopsis:* apply 2 lbs. Begin applications prior to development of disease symptoms. Repeat sprays at 7 to 10 day intervals or as needed depending on disease severity.

## ONION, GARLIC

*Purple Blotch, Downy Mildew, Bacterial Blight:* apply 2 lbs. Begin when plants are 4 to 6 inches high and repeat at 7 to 10 day intervals as needed depending upon disease pressure.

## PEA

*Powdery Mildew:* apply 1 1/2 to 3 lbs. Begin applications when disease symptoms first appear and repeat at weekly intervals as needed. Use higher rate for more severe disease.

## PEPPER

*Bacterial Spot:* apply 2 to 3 lbs. When disease threatens, apply in sufficient water for adequate coverage at 5 to 10 day intervals depending on disease severity.

## SPINACH

*Anthracnose, White Rust, Downy Mildew, Cercospora Leaf Spot, Black Leaf Spot, Blue Mold:* apply 1 to 2 lbs. Begin application when disease first appears or when conditions favor disease development. Repeat at 7 to 10 day intervals as needed.

**NOTE:** Flecking may occur on Spinach leaves.

## TOMATO

*Early & Late Blight, Bacterial Spot, Anthracnose, Gray Leaf Mold, Septoria Leaf Spot:* apply 2 to 4 lbs. Begin when disease first threatens and repeat at 5 to 10 day intervals or as needed depending on disease severity.

*Bacterial Speck:* apply 2 lbs. Begin applications when disease first threatens and repeat at 10 to 30 day intervals or as needed depending on disease severity.

## WATERCRESS \*

*Cercospora Leaf Spot:* apply 2 lbs. Begin application 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 four applications per crop. Apply using ground spray equipment at no less than 50 gallons of spray solution per acre.

\*Except California

## VINES

### GRAPE

*Black Rot, Powdery & Downy Mildew, Phomopsis:* apply 2 to 4 lbs. Begin application at bud break with subsequent applications throughout the season depending upon disease severity.

**NOTE:** Foliage injury may occur on copper sensitive varieties such as Concord, Delaware, Niagara, and Rosette. Either test for sensitivity or add 1 to 3 lbs. of hydrated lime per pound of CHAMPION WP.

### HOPS



*Downy Mildew*: apply 2 lbs. Make crown treatment after pruning, but before training. After training, additional treatments are needed at about 10 day intervals.

**NOTE:** Discontinue use two weeks before harvest.

**KIWI**

*Pseudomonas syringae, Erwinia herbicola, Pseudomonas fluorescens*: apply 8 lbs. Apply in 200 gallons of water per acre. Make applications on a monthly basis. A maximum of three applications may be made.

**MISCELLANEOUS**

**ATEMOYA \***

*Anthracnose*: apply 3 lbs. Make initial application just before flowering and repeat on a weekly schedule until just before harvest. Apply in sufficient water for thorough coverage.

**CARAMBOLA \***

*Anthracnose*: apply 6 lbs. Make initial application just before flowering and repeat on a weekly schedule until just before harvest. Apply in sufficient water for thorough coverage.

**CHIVES \***

*Downy Mildew*: apply 2 lbs. Begin application when plants are established in the field. Repeat applications every 7 to 10 days as dictated by disease conditions. If disease pressure is high, use the shorter spray interval.

**DILL**

*Phoma Leaf Spot, Rhizoctonia Foliage Blight*: apply 2 to 3 lbs. Begin applications when plants are first established in the field and repeat at 7 to 10 day intervals or as needed depending upon disease severity and environmental conditions.

**DOUGLAS FIR \***

*Rhabdocline Needlecast*: apply 2 lbs. Begin applications at bud break and repeat at three to four week intervals. Apply in a tank mix with another registered pesticide if moderate to severe disease pressure is present.

**GINSENG**

*Alternaria Leaf Blight, Stem Blight*: apply 2 3/5 lbs. Use as a tank mix with 2 pounds Rovral® 50W in 100 gallons of water. Begin CHAMPION WETTABLE POWDER-Rovral® applications as soon as plants have emerged in Spring. Applications should be repeated every seven days until plants become dormant in Fall. If scheduled application is to be made before a rain shower, apply fungicides at least eight hours before the rain, giving the fungicides time to dry on the plants. Use of a spreader-sticker or sticker is advised.

\*Except California

**NOTE:** *Alternaria Leaf & Stem Blight* is most severe in humid conditions such as those found in the dense canopies to 2, 3 and 4 year old Ginseng. It is very import that the stems be thoroughly covered with fungicide; therefore, use a spray apparatus which distributes the fungicide throughout the canopy.

**GUAVA \***

*Anthracnose, Red Algae*: apply 3 lbs. Make initial application just before flowering and repeat on a weekly schedule until just before harvest. Apply in sufficient water for thorough coverage.



31/38

### LITCHI \*

*Anthraco*se: apply 3 lbs. Make initial application just before flowering and repeat on a weekly schedule until just before harvest. Apply in sufficient water for thorough coverage.

### LIVE OAK

(Texas & Florida Only) *Ball Moss*: apply 6 lbs. per 100 gallons of water, in the Spring when *ball moss* is actively growing, using 1 1/2 gallons of spray per foot of tree height. Make sure to wet *ball moss* tufts thoroughly. A second application may be required after 12 months.

NOTE: CHAMPION WP may be injurious to ornamentals grown under Live Oaks. This product may be reactive on metal and masonry surfaces such as galvanized roofing. Avoid contact with metal surfaces. Do not spray on cars, houses, lawn furniture, etc.

### MACADAMIA

*Anthraco*se: apply 6 lbs. Initiate sprays at first sign of flowering and repeat in a weekly schedule until just before harvest. Apply in sufficient water for thorough coverage.

*Phytophthora Blight (P.capsici)*, *Raceme Blight (Botrytis cinerea)*: apply 4 1/2 to 6 lbs. Apply during raceme development and bloom periods. Apply in sufficient water for thorough coverage.

### MAMEY SAPOTE \*

*Anthraco*se, *Algal Leaf Spot*: apply 6 to 8 lbs. Apply when conditions favor disease development. Repeat on 14 to 30 day schedule. Apply in sufficient water for thorough coverage.

### PAPAYA

*Anthraco*se: apply 4 to 10 lbs. Begin applications before disease appears and repeat at 10 to 14 day intervals. Apply at 5 to 7 day intervals during periods of heavy rainfall. Use higher rates when conditions favor disease.

### PARSLEY \*

*Bacterial Blight*: apply 3 lbs. Begin applications when plants are first established in the field and repeat at 5 to 7 day intervals depending upon disease severity and environmental conditions.

### PASSION FRUIT

*Anthraco*se: apply 6 lbs. Make initial application just before flowering and repeat on a weekly schedule until just before harvest. Apply in sufficient water for thorough coverage.

### PERSIMMON

*Cercospora Leaf Spot*: apply 2 lbs. Apply in 100 gallons of water beginning in May/June, during leaf flush, and repeat at 14 day intervals throughout the season depending on disease severity.

\*Except California

### SUGAR APPLE (ANNONA) \*

*Anthraco*se: apply 12 lbs. Make initial application just before flowering and repeat on a weekly schedule until just before harvest. Apply in sufficient water for thorough coverage.

### SYCAMORE

*Anthraco*se: apply 2 to 3 lbs. Apply as a full cover spray. Apply in 100 gallons of water or sufficient volume for thorough coverage. Make first application at bud crack and second application 7 to 10 days later at 10% leaf expansion.



32/38

\*Except California

## GREENHOUSE AND SHADE HOUSE CROPS

(Except California)

Notice to User: CHAMPION WP may be used in greenhouses and shade houses to control diseases on some crops which appear on this label. The grower should bear in mind that the sensitivity of crops grown in greenhouses and shade houses differ greatly from crops grown under field conditions. Neither the manufacturer nor seller has determined whether or not CHAMPION WP can be used safely on all greenhouse and shade house-grown crops. The user should determine if CHAMPION WP can be used safely prior to commercial use. In a small area, apply the recommended rates to the plants in question, i.e. foliage, fruit, etc., and observe for 7 to 10 days for symptoms of phytotoxicity prior to commercial use.

Apply CHAMPION WP according to specific rates given for those crops in pounds per acre or pounds per 100 gallons. Two level tablespoons of CHAMPION WP per 1000 square feet is equivalent to 1 pound per acre. One level tablespoon of CHAMPION WP per gallon of water is equivalent to 1 pound per 100 gallons. CHAMPION WP 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.

Do not use CHAMPION WP on citrus seedlings less than two years old in greenhouses or shadehouses.

NOTE: Rates listed per 1000 square feet.

### EGGPLANT

*Alternaria Blight, Anthracnose, Phomopsis*: apply 4 tablespoons. Begin application prior to development of disease symptoms. Repeat sprays at 7 to 10 day intervals or as disease pressure dictates.

### PEPPER

*Bacterial Spot*: apply 4 to 6 tablespoons. 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.

### TOMATO

*Early & Late Blight*: apply 4 to 6 tablespoons. Begin when disease first threatens and repeat at 7 to 10 intervals or as needed depending on disease severity. Use higher rates for severe disease.

*Bacterial Speck*: apply 4 tablespoons. 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*: apply 4 to 8 tablespoons. Begin applications 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.

### CITRUS (NON-BEARING NURSERY)

*Melanose, Scab, Pink Pitting, Greasy Spot, Brown Rot, Citrus Canker*: apply 6 tablespoons. Begin applications when disease threatens. Repeat at 30 day intervals or as needed depending on disease severity.

### CITRUS

#### Field Nursery Grown

(Except California)

To control *melanose, scab, pink pitting, greasy spot, brown rot* and for *citrus canker* (SUPPRESSION): apply 2 pounds of CHAMPION WP per 100 gallons of water (4 to 8 lbs. per acre). Apply CHAMPION WP at 28 day intervals or as needed depending on disease severity.





## TURFGRASS (Except California)

To control algae in turfgrass, apply 1/2 pound CHAMPION WP per 1,000 square feet in 5 gallons of water. CHAMPION WP may be used alone or in combination with other registered fungicides as a maintenance spray. Observe the most stringent precautions and limitations on the label of each product used in tank mixes.

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

## ORNAMENTALS

Notice to User: Plant sensitivities to CHAMPION WP have been found to be acceptable in specific genera and species listed on this label, however, it is impossible to know sensitivities under all conditions and phytotoxicity may occur. Due to the large number of species and varieties of ornamentals and nursery plants, it is impossible to test every one for sensitivity to CHAMPION WP. Neither the manufacturer nor seller recommends use upon species not listed on the label. The user should determine if CHAMPION WP 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 CHAMPION WP on container, bench or bed-grown ornamentals in greenhouses, shade houses 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.

For Control of Disease on Ornamentals in Greenhouses, Fields and Nurseries: apply as a thorough coverage spray using 1 1/2 pounds of CHAMPION WP per 100 gallons of water. One tablespoon of CHAMPION WP per gallon of water is equivalent to 1 pound per 100 gallons. Begin application at first sign of disease and repeat at 7 to 14 day intervals or as needed; use shorter interval during periods of frequent rains or when severe disease conditions persist.

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

**NOTE:** Do not tank mix CHAMPION WP with Aliette® fungicide unless appropriate precautions have been taken to buffer the spray solution. Severe phytotoxicity may result if adequate precautions are not taken.

<u>Crop</u>	<u>Latin</u>	<u>Disease</u>
Aglaonema	<i>Aglaonema</i>	Bacterial Leaf Spot
Althea (Rose of Sharon)*	<i>Hibiscus syriacus</i>	Bacterial Leaf Spot
Aralia	<i>Dizygotheca elegantissima</i>	Xanthomonas & Cercospora Leaf Spots, Alternaria
Arborvitae*	<i>Thuja spp.</i>	Alternaria Twig Blight, Cercospora Leaf Blight
Azalea <sup>1</sup>	<i>Rhododendron spp.</i>	Cercospora Leaf Spot, Botrytis Blight, Phytophthora Dieback, Powdery Mildew
Begonia	<i>Begonia semperflorens</i>	Bacterial Leaf Spot ( <i>Xanthomonas sp.</i> , <i>Erwina spp.</i> , <i>Pseudomonas spp.</i> )
Boston Fern	<i>Nephrolepis exalta blightata</i>	Bacterial Leaf Spot
Bougainvillea*	<i>Bougainvillea spectabilis</i>	Anthracnose, Bacterial Leaf Spot
Bulbs (Tulip, Gladiolus)	Miscellaneous	Anthracnose, Botrytis Blight
Camelia	<i>Camellia japonica</i> , <i>C. sasanqua</i>	Anthracnose, Botrytis Blight, Bacterial Leaf Spot



Camphor Tree*	<i>Cinnamomum camphora</i>	Pseudomonas Leaf Spot
Canna	<i>Canna</i> spp.	Pseudomonas Leaf Spot
Carnation <sup>1</sup>	<i>Dianthus</i> spp.	Alternaria Blight, Pseudomonas Leaf Spot, Botrytis Blight
Chinese Tallow Tree*	<i>Sapium sebiferum</i>	Bacterial Leaf Spot ( <i>Xanthomonas</i> spp., <i>Pseudomonas</i> spp.)
Chrysanthemum <sup>1</sup>	<i>Chrysanthemum morifolium</i>	Septoria Leaf Spot, Botrytis Blight
Cotoneaster	<i>Cotoneaster</i> spp.	Botrytis Blight
Dahlia*	<i>Dahlia pinnata</i>	Alternaria Leaf Spot, Botrytis Gray Mold, Cercospora Leaf Spot
Date Palm*	<i>Phoenix canariensis</i>	Pestalotia Leaf Spot
Dianthus*	<i>Dianthus</i> spp.	Bacterial Spot, Bacterial Soft Rot
Dogwood*	<i>Cornus florida</i>	Anthracoise
Dracaena	<i>Dracaena marginata</i>	Bacterial Leaf Spot
Dumb Cane	<i>Diffeffenbachia</i>	Bacterial Leaf Spot
Dusty Miller*	<i>Senecio cineraria</i>	Bacterial Leaf Spot ( <i>Pseudomonas cichorii</i> )
Easter Lily* <sup>2</sup>	<i>Lilium longiflorum</i>	Botrytis Blight
Echinacea*	<i>Echinacea</i> spp.	Bacterial Leaf Spot ( <i>Pseudomonas cichorii</i> )
Elm "Drake"*	<i>Ulmus parvifolia</i>	Xanthomonas Leaf Spot
Euonymus	<i>Euonymus</i> spp.	Botrytis Blight, Anthracnose
European Fan Palm*	<i>Champaerops numilis</i>	Pestalotia Leaf Spot
Gardenia*	<i>Gardenia jasminoides</i>	Alternaria Leaf Spot, Botrytis Bud Rot, Cercospora Leaf Spot
Geranium*	<i>Pelargonium</i> spp.	Alternaria Leaf Spot, Botrytis Gray Mold, Cercospora Leaf Spot
Gladiolus*	<i>Gladiolus</i> spp.	Alternaria Leaf Spot, Botrytis Gray Mold, Bacterial Leaf Blight
Golden Rain Tree	<i>Koelreuteria paniculata</i>	Bacterial Leaf Spot
Grape Ivy	<i>Cissus</i> spp.	Bacterial Leaf Spot
Hibiscus* <sup>4</sup>	<i>Hibiscus rosa sinensis</i>	Bacterial Leaf Spot
Hibiscus, Rose Mallow* <sup>4</sup>	Common Rose Mallow	Bacterial Leaf Spot
Holly Fern*	<i>Cyrtomium falcatum</i>	Pseudomonas Leaf Spot
Honey Locust	<i>Gleditsia triacanthos</i>	Bacterial Leaf Spot
Impatiens*	<i>Impatiens sallerana</i>	Bacterial Leaf Spot
India Hawthorne* <sup>3</sup>	<i>Raphiolepis indica</i>	Anthracoise, <u>Entomosporium Leaf Spot</u>
Ivy (English, Algerian) <sup>1</sup>	<i>Hendera helix</i> , <i>H. canariensis</i>	Xanthomonas Leaf Spot

Ixora*	<i>Ixora coccinea</i>	Xanthomonas Leaf Spot
Juniper (Eastern Red Cedar)*	<i>Juniperus virginiana</i>	Anthracnose
Lantana*	<i>Lantana camera</i>	Bacterial Leaf Spot
Lilac*	<i>Syringa spp.</i>	Cercospora Leaf Spot
Loblolly Bay*	<i>Gordonia lasianthus</i>	Anthracnose
Loquat*	<i>Eriobotrya japonca</i>	<i>Entomosporium maculata, Colletotrichum spp.</i>
Magnolia (Southern)*	<i>Magnolia grandiflora</i>	Algal Leaf Spot, Anthracnose, Bacterial Leaf Spot
Magnolia (Sweet Bay)*	<i>Magnolia virginiana</i>	Anthracnose
Magnolia*	<i>Magnolia soulangiana</i>	Bacterial Leaf Spot
Mandevillas*	<i>Mandevilla spp.</i>	Anthracnose
Marigold*	<i>Tagetes spp.</i>	Alternaria Leaf Spot, Botrytis Leaf & Flower Rot, Cercospora Leaf Spot
Mulberry, Contorted	<i>Morus bombycis</i>	Bacterial Leaf Spot
Mulberry, Weeping*	<i>Morus alba</i>	Bacterial Leaf Spot
Nephtytis	<i>Syngonium podophyllum</i>	Bacterial Leaf Spot
Oak, Laurel	<i>Quercus laurifolia</i>	Algal Leaf Spot ( <i>Cephaleuros virescens</i> )
Oleander*	<i>Nerium oleander</i>	Bacterial Leaf Spot, Fungal Leaf Spot
Pachysandra	<i>Pachysandra procumbens</i>	Volutella Leaf Blight
Pansy*	<i>Viola spp.</i>	Downy mildew
Parlor Palm	<i>Chamaedorea procumbens</i>	Bacterial Leaf Spot
Pear (Flowering)*	<i>Pyrus calleryana</i>	Fireblight, Leaf Spot
Pentas (Egyptian Star)*	<i>Pentas spp.</i>	Bacterial Leaf Spot ( <i>Xanthomomas spp.</i> )
Peony*	<i>Paeonia spp.</i>	Botrytis blight
Periwinkle	<i>Catharanchus roseus, Vinca spp.</i>	Phomopsis Stem Blight
Philodendron*	<i>Philodendron selloum</i>	Bacterial Leaf Spot
Phlox*	<i>Phlox spp.</i>	Alternaria Leaf Spot
Photinia (Red Tip, Red Leaf)	<i>Photinia fraserii, P. glabra</i>	Anthracnose, Entomosporium
Pistachio*	<i>Pistacia chinensis</i>	Anthracnose
Plantain Lily*	<i>Hosta spp.</i>	Bacterial Leaf Spot
Powder Puff Plant*	<i>Callindra spp.</i>	Bacterial Leaf Spot
Purple Osier Willow	<i>Salix purpurea</i>	Anthracnose
Pyracantha	<i>Pyracantha spp.</i>	Fireblight, Scab
Queen Palm*	<i>Arecastrum romanzoffianum</i>	Exosporium Leaf Spot, Phytophthora Bud Rot
Rhododendron	<i>Rhododendron spp.</i>	Alternaria Flower Spot

Rose <sup>1</sup>	<i>Rosa spp.</i>	Powdery Mildew, Black Spot
Snapdragon	<i>Antirrhinum majus</i>	Anthrachnose, Dieback, Downy Mildew
Spathe Flower	<i>Spathiphyllum</i>	Bacterial Leaf Spot
Tatarian Honeysuckle	<i>Lonicera tatarica</i>	Bacterial Leaf Spot
Umbrella Tree	<i>Schefflera spp.</i>	Bacterial Leaf Spot
Verbena*	<i>Verbena spp.</i>	Xanthomonas Leaf Spot
Viburnum*	<i>Viburnum odoratissimum,</i> <i>V. suspensum</i>	Anthrachnose
Washingtonia Palm*	<i>Washingtonia robusta</i>	Pestalotia Leaf Spot
Weeping Fig	<i>Ficus benjamina l.</i>	Bacterial Leaf Spot
Weeping Willow*	<i>Salix babylonica</i>	Anthrachnose
Yucca (Adam's needle)	<i>Yucca spp.</i>	Cercospora & Septoria Leaf Spot

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

2/ Apply CHAMPION WP at 3 to 5 lbs. per acre in 20 to 100 gallons water per acre.

3/ For India Hawthorn use 2 to 4 lbs. per 100 gallons or 2 to 4 level tablespoons per gallon.

4/ Hibiscus – Do not apply to plants in flower.

\*Except California

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

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

**ENVIRONMENTAL HAZARDS**

This pesticide is toxic to fish and aquatic organisms. Do not apply directly to water, or 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 aquatic sites. Do not allow rinsate from cleaning of equipment or disposed material to enter surface or ground water. Do not contaminate water by disposal of equipment washwaters.

**PERSONAL PROTECTIVE EQUIPMENT**

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 category selection chart.

Applicators and other handlers must wear: Long-sleeved shirt and long pants, chemical-resistant gloves made of any waterproof material such as polyethylene or polyvinyl chloride, shoes plus socks, and protective eyewear.



37/38

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 personal protective equipment (PPE). If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

### ENGINEERING CONTROLS STATEMENT

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.

### USER SAFETY RECOMMENDATIONS

User should: Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.

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.

### STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. 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. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest Environmental Protection Agency regional office for guidance.

**CONTAINER DISPOSAL:** Completely empty bag into application equipment. 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 STATEMENT

AGTROL INTERNATIONAL warrants that the product conforms to the chemical description on the label and is reasonably fit for the purposes set forth on the label when used according to directions under normal use conditions. THERE ARE NO OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING A WARRANTY OF FITNESS

FOR A PARTICULAR PURPOSE. This warranty does not extend to the handling or use of this product contrary to label instructions or under abnormal conditions or under conditions not reasonably foreseeable to seller and buyer assumes all risk of any such use.

Aliette® is a registered trademark of Rhone-Poulenc.

Rovral® is a registered trademark of Rhone-Poulenc.

**AGTROL INTERNATIONAL**  
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38/38  
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September 27, 2007

Tony Kish (PM 22)  
Document Processing Desk (NOTIF)  
Office of Pesticide Programs (7504P)  
U.S. Environmental Protection Agency  
Room S-4900, One Potomac Yard  
2777 S. Crystal Drive  
Arlington, VA 22202-4501

**Subject: Champion Wettable Powder, EPA Reg. No. 55146-1**

Dear Mr. Kish:

It was brought to our attention by the State of Hawaii that several statements on the labels we have submitted by Notification to the Agency were not on the most current EPA Stamped Label dated July 9, 2004. However, these statements were on the January 31, 2002 EPA Stamped Label.

These statements were inadvertently left off the July 9 2004 label. This notification is being sent to correct this matter.

Enclosed please find a copy of both the 2002 stamped label and the most current notification label approved by the Agency. The statements have been highlighted on both labels to help with your review.

Should you have any questions please contact me at the address and telephone number above or by email listed below.

Sincerely,

Mary Beth Endres  
Registration Manager  
Email: maryb.endres@us.nufarm.com

Enclosures

