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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

MAY 18 2009

OFFICE OF PREVENTION, PESTICIDES AND TOXIC SUBSTANCES

Donald Lester, Plant Products Manager  
JH BIOTECH, INC.  
4951 Olivas Park Drive  
Ventura, CA 93003

Subject: Fosphite Fungicide, EPA Reg. No: 68573-2  
Application for label changes via Notification dated March 3, 2009

Dear Mr. Lester:

The Biopesticides and Pollution Prevention Division is in receipt of your application for Notification under PRN 98-10 dated above. A preliminary screen of this request has been conducted for its applicability under PRN 98-10 and it has been determined that the action(s) requested falls within the scope of PRN 98-10. Our records have been duly noted, and the label submitted with this application has been stamped "Notification, received and reviewed" and will be placed accordingly in our records.

Questions concerning this action should be directed to John Fournier at (703) 308-0169 or email at [fournier.john@epa.gov](mailto:fournier.john@epa.gov).

Sincerely,

*Linda Hollis*

Linda Hollis, Chief  
Biochemical Pesticides Branch  
Biopesticides and Pollution Prevention Division (7511P)

CONCURRENCES

SYMBOL	▶ 7511P						
SURNAME	▶ Fournier						
DATE	▶ 19 May 09						

Internet Address (URL) • <http://www.epa.gov>

Recycled/Recyclable • Printed with Vegetable Oil Based Inks on 100% Postconsumer, Process Chlorine Free Recycled Paper

Please read instructions on reverse before completing form.

Form Approved. OMB No. 2070-0060

Print Form



United States  
Environmental Protection Agency  
Washington, DC 20460

<input type="checkbox"/>	Registration
<input type="checkbox"/>	Amendment
<input checked="" type="checkbox"/>	Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number 68573-2	2. EPA Product Manager John Fournier	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Fosphite Fungicide	PM# 91	
5. Name and Address of Applicant (Include ZIP Code) JH Biotech, Inc. 4951 Olivas Park Drive Ventura, CA 93003 <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: <input checked="" type="checkbox"/> EPA Reg. No. _____ Product Name _____	

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Added symbols, changed redundant labeling statement (per PR Notice 98-10). No other changes to the label have been made.

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
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	Metal Plastic Glass Paper Other (Specify) _____		
<i>Certification must be submitted</i>		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"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> 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 Donald Lester	Title Plant Products Manager	Telephone No. (Include Area Code) (805) 650-8933
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 Plant Products Manager	
4. Typed Name Donald Lester	5. Date March 3, 2009	



## JH BIOTECH, INC.

4951 Olivas Park Drive, Ventura, CA 93003

P.O. Box 3538, Ventura, CA 93006 USA

Phone: (805) 650-8933 ♦ Fax: (805) 650-8942

<http://www.jhbiotech.com> ♦ E-Mail: [biotech@jhbiotech.com](mailto:biotech@jhbiotech.com)

March 3, 2009

EPA  
Office of Pesticide Programs  
Attn: John Fournier  
1 Potomac Yard  
2777 S. Crystal Drive  
Arlington, VA 22202

Dear Mr. Fournier,

Please find enclosed an EPA Form 8570-1 Notification for Fosphite Fungicide (EPA Reg. No. 68573-2) and a copy of the label with the highlighted changes. As I mentioned on the phone I have added symbols to the label to clarify the California exceptions, and I standardized the "Foliar" and "Foliar Spray" phrases. I understand these changes are allowed by notification under PR Notice 98-10. No other changes were made to the label.

If you have any questions or comments, please do not hesitate to contact me at (805) 650-8933.

Sincerely,

Donald Lester  
Plant Products Manager

SYSTEMIC

# FOSPHITE Fungicide

A FUNGICIDE FOR THE CONTROL OF DOWNY MILDEW, PHYTOPHTHORA, PYTHIUM AND VARIOUS OTHER DISEASES ON AGRICULTURAL AND GREENHOUSE CROPS, INDOOR AND OUTDOOR ORNAMENTALS, BEDDING PLANTS, TURF, FORESTRY APPLICATIONS AND DOMESTIC TREES, INCLUDING CONIFERS, PINES, OAKS AND POST-HARVEST TREATMENT OF POTATOES FOR PINK ROT AND LATE BLIGHT

ACTIVE INGREDIENT:		
Mono- and di-potassium salts of Phosphorous Acid	53.0%	
OTHER INGREDIENTS:	47.0%	
TOTAL:	100.0%	

\*Contains 0.22 lbs/gallon of the active ingredients mono- and di-potassium salts of Phosphorous Acid. Equivalent to 0.80 lbs. Phosphorous Acid/gallon.

**KEEP OUT OF REACH OF CHILDREN**  
**CAUTION**  
 See inside booklet for First Aid and additional precautionary statements.  
**FOR MEDICAL EMERGENCIES CALL 1-800-858-3778**

NET CONTENTS:

- 1 gallon (3.785 liters)
- 2.5 gallons (18.9 liters)
- 5 gallons (18.925 liters)
- 30 Gallons (113.55 liters)
- 55 gallons (208.175 liters)
- 250 gallons (946.25 liters)
- Bulk containers (100-4000 gallons)

MANUFACTURED BY:  
JHBiotech, Inc.  
4951 Olivast Park Drive  
Ventura, CA 93003

EPA Reg. No. 68573-2  
EPA Est. No. 68573-CA001

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## JHBiotech Inc.

Complies with  
EPA Accepted Labeling  
MAY 20 2009

Date: \_\_\_\_\_

Reviewer: John Fournier, BPPD

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

**CAUTION**

Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling.

**FIRST AID STATEMENTS**

If in eyes	<ul style="list-style-type: none"> <li>•Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>•Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>•Call a poison control center or doctor for treatment advice.</li> </ul>
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**HOT LINE NUMBER**

Have the container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact the National Pesticide Information Center (NPIC) at 1-800-858-7378 for emergency medical treatment information.

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

Applicators and other handlers must wear long-sleeved shirt and long pants, shoes plus socks and protective eyewear. 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.

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 BOX**

Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.  
Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.  
Users should remove PPE immediately after handling this product. As soon as possible, wash thoroughly and change into clean clothing.

**ENVIRONMENTAL HAZARDS**

For terrestrial uses: Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters or rinsate.

**DIRECTIONS FOR USE**

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Read entire label before using this product.

Do not apply this product in a way that will contact workers or other person, 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 State or Tribal agency responsible for pesticide regulation.

Complies with EPA Accepted Labeling

DATE

REVISION

6/24

**AGRICULTURAL USE REQUIREMENTS:**

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, 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. The requirements in this box only apply to uses of this product that are covered by the Workers Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 4 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated such as plants, soil, or water, is: coveralls over long-sleeved shirt and long pants, socks, shoes, chemical resistant gloves and protective eyewear.

**NON-AGRICULTURAL USE REQUIREMENTS**

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

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

**GENERAL APPLICATION INSTRUCTIONS**

Apply FOSPHITE by various application methods, including foliar sprays, trunk injection, soil drench, soil incorporation, and bare root dip. For foliar sprays, apply FOSPHITE with sufficient water for adequate coverage of foliage, according to crop and growth stage. To insure good coverage, spray to wet.

**MIXING INSTRUCTIONS**

1. Fill the spray tank with 1/2 of the required volume of water.
2. Add FOSPHITE slowly to the tank and agitate by hydraulic or mechanical means.
3. Continue to fill the tank with water to the desired volume while agitating.
4. Continue agitation when applying.

For 1 gallon (3,785 liters) container sizes: this package can treat up to 34,848 sq. ft. at the maximum treatment rate.  
For 2 1/2 gallon (9,463 liters) container sizes: this package can treat up to 2 acres at the maximum treatment rate.  
For 5 gallon (18,925 liters) container sizes: this package can treat up to 4 acres at the maximum treatment rate.

**LOW VOLUME AND ULTRA-LOW VOLUME APPLICATIONS**

Label rates are written for conventional application equipment. For LV/ULV equipment, use per acre rate of FOSPHITE and adjust amount of water to equipment needs. Always conduct a phytotoxicity test on a small area before applying to a large area in order to assess any potential risk to plants.

**COMPATIBILITY**

Mixing FOSPHITE with certain surfactants, foliar fertilizers or other pesticides may cause crop injury. FOSPHITE is a slightly acidic buffer solution. Avoid mixing FOSPHITE with strongly acidic or alkaline materials. Do not tank mix without first testing the mixture's compatibility nor apply it without assessing its safety to the crop (phytotoxicity). It is not possible to test all material combinations and environmental tank mix combinations. Always conduct a test with the intended tank mix on a small area prior to any large scale applications. To determine if a combination is phytotoxic to a specific crop, spray a small area of foliage and fruit, and then evaluate 3-7 days later for visual symptoms.

Test the compatibility of spray adjuvants (i.e. stickers, spreaders, wetting agents) with FOSPHITE before use. Do not use acidifying type compatibility agents.

To determine the compatibility of FOSPHITE with other products, use a jar compatibility test. Add the correct proportions of each product and the appropriate quantity of water to clean container, thoroughly mix, then let stand for 3-5 minutes. If the mixture remains in solution or can be remixed readily, the products are considered compatible.

**CHEMIGATION  
APPLICATIONS THROUGH SPRINKLER AND DRIP IRRIGATION SYSTEMS**

Apply this product through microjet, drip, solid set and center pivot sprinkler irrigation systems. Do not apply this product through any other type of irrigation system.

**PREPARATION OF INJECTION EQUIPMENT:** Remove scale, pesticide residues and other foreign matter from the chemical tank and entire injector system. Flush with clean water.

**APPLICATION INSTRUCTIONS:** Fill tank with 1/2 to 3/4 of desired amount of water. Start mechanical or hydraulic agitation. Add the required amount of Fosphite, then the remaining volume of water. Set sprinkler to deliver 0.1 to 0.3 inch of water per acre. Start sprinkler and uniformly inject the solution of FOSPHITE into the irrigation water line so as to deliver the desired rate per acre. Inject the FOSPHITE solution with a positive displacement pump into the main line ahead of a right angle turn to insure adequate mixing. For other questions about calibration, contact State Extension Service specialists, equipment manufacturers or other experts.

**NOTE:** For Microjet and Drip Irrigation Systems: Avoid further irrigation of the treated area for 24 to 48 hours after treatment with FOSPHITE has been completed. For Solid Set and Center Pivot Irrigation Systems: Avoid further irrigation of the FOSPHITE treated area until after the foliage has completely dried. This will help to prevent washing the chemical off the crop.

**GENERAL PRECAUTIONS FOR APPLICATIONS THROUGH SPRINKLER AND DRIP IRRIGATION SYSTEMS**

The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from back flow. 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 dosed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops. 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.

**Maintain continuous agitation in mix tank during mixing and application to assure uniformity solution.** Do not apply when wind speed favors drift, when system connection or fittings leak, when nozzles do not provide uniform distribution, or when lines containing the product must be dismantled or drained. Crop injury, lack of effectiveness, or illegal pesticide residues in the crop may result from non-uniform distribution of chemigation water.

Allow sufficient time for pesticide to be flushed through all lines and all nozzles before turning off irrigation water. A person knowledgeable of the chemigation system and responsible for its operation shall shut down and adjust the system as needed.

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

**GENERAL INSTRUCTIONS FOR APPLICATIONS  
FOOD CROPS**

FOSPHITE fungicide is used for control of Downy Mildew, Powdery Mildew, Erwinia amylovora, Pythium, Fusarium, Rhizoctonia and Phytophthora disease (such as purple blotch, late blight, blue mold, soft rot, root rot, brown rot, foot rot, crown/collar rot, canker, fruit/leaf rot, fire blight, heart rot, pink rot, pythium leak, red stele, leather rot, etc.) of agronomic crops. (See specific crop groupings for additional diseases.) This product may be applied up to the day of harvest.

FOSPHITE is applied to plants including:

**Berry Crops:** Blackberry ( including bingberry, black satin berry, boysenberry, Cherokee blackberry, Chesterberry, Cheyenne blackberry, coryberry, darrowberry, dewberry, Dirksen thornless berry, Himalayaberry, hullberry, Lavacaberry, lowberry, Lucretiaberry, mammoth blackberry, marionberry, nectarberry, olallieberry, Oregon evergreen berry, phenom-enalberry, rangeberry, ravenberry, rossberry, Shawnee blackberry, youngberry, and varieties and/or hybrids of these), Blueberry, Cane Berries, Cranberry, Currant, Elderberry, Gooseberry, Huckleberry, Loganberry, Rasperry (black and red) and Strawberry.

Make applications prior to disease development in conjunction with good cultural management practices. Use the high-er rate when disease pressure is severe. Use rates and frequency are designed to prevent plant injury. If more frequent applications are necessary for disease control, consult a crop expert and follow their recommendations. Do not exceed the highest rate per application. Do not apply at less than 3 day intervals. Do not apply to plants that are dormant or heat or moisture stressed. To avoid undesirable copper phytotoxicity, do not apply FOSPHITE foliarly to plants treated with copper based compounds at less than 20 day intervals unless instructed to do so by your consultant. Allow foliage to completely dry after application. Do not apply when conditions favor wet tissue for prolonged periods (>4 hours).

Disease	Application Method	Rate	Application Program
Phytophthora Pythium +Fusarium +Rhizoctonia	Foliar	1 to 3 quarts in 100 gallons of water/acre. (3 to 8 liters in a minimum of 1000 liters of water/hectare)	<b>Disease Prevention Program*:</b> Apply lower rate at 2-4 week intervals after plants become established. Do not apply Fosphite at intervals less than 3 days. <b>Disease Control Program:</b> Apply higher rate at 2-3 week intervals until control is reached. Consult with Farm Advisor or crop expert to determine disease severity. Do not apply Fosphite at intervals less than 3 days.
	or Aerial Application	1 to 3 quarts in a minimum of 10 gallons of water / acre. (3 to 8 liters in a minimum of 100 liters of water/hectare.)	
	Root Dip	2 quarts/100 gallons of water, 2/3 fluid ounce/gallon of water. (5 liters/1000 liters of water )	Apply as pre-plant dip to the roots for 15-30 minutes. Plant within 24 hours after dipping.
	Irrigation	Overhead: 2-4 quarts in at least 100 gallons of water. (10 liters in at least 1000 liters of water) Drip: 2-3 quarts in at least 100 gallons of water. (5-7 liters in at least 1000 liters of water)	Apply with normal irrigation schedule. Follow <b>Disease Prevention Program</b> or <b>Disease Control Program</b> as stated above. Do not apply Fosphite at intervals less than 3 days.
Downy Mildew +Powdery Mildew	Foliar	1 to 3 quarts in 100 gallons of water/acre. (3 to 8 liters in 1000 liters of water/hectare)	Apply at 2-3 week intervals. Follow <b>Disease Prevention Program</b> or <b>Disease Control Program</b> as stated above. Do not apply Fosphite at intervals less than 3 days.
	or Aerial Application	1 to 3 quarts in a minimum of 10 gallons of water/acre. (3 to 8 liters in a minimum of 100 liters of water/hectare.)	

\* Check with your local Extension Agent if you are unsure these conditions exist.  
+ Except California



**Brassica:** Broccoli (all types), Brussels sprouts, Cabbage (all types), Cauliflower, Cavalo broccoli, Collards, Kale, Kohlrabi, Mizuna, Mustard greens, Mustard spinach and Rape greens.

Make applications prior to disease development in conjunction with good cultural management practices. Use the higher rate when disease pressure is severe. Use rates and frequency are designed to prevent plant injury. If more frequent applications are necessary for disease control, consult a crop expert and follow their recommendations. Do not exceed the highest rate per application. Do not apply at less than 3 day intervals. Do not apply to plants that are dormant or heat or moisture stressed. To avoid undesirable copper phytotoxicity, do not apply FOSPHITE foliarly to plants treated with copper based compounds at less than 20 day intervals unless instructed to do so by your consultant. Allow foliage to completely dry after application. Do not apply when conditions favor wet tissue for prolonged periods (>4 hours).

Disease	Application Method	Rate	Application Program
Phytophthora Pythium +Fusarium +Rhizoctonia	Foliar	1 to 3 quarts in 100 gallons of water/acre. (3 to 8 liters in a minimum of 1000 liters of water/hectare)	<b>Disease Prevention Program*:</b> Apply lower rate at 2-4 week intervals after plants become established. Do not apply Fosphite at intervals less than 3 days. <b>Disease Control Program:</b> Apply higher rate at 2-3 week intervals until control is reached. Consult with Farm Advisor or crop expert to determine disease severity. Do not apply Fosphite at intervals less than 3 days.
	Aerial Application	1 to 3 quarts in a minimum of 10 gallons of water / acre. (3 to 8 liters in a minimum of 100 liters of water/hectare.)	
	Root Dip	1 quart/100 gallons of water, 1/3 fluid ounce/ gallon of water. (2.5 liters/1000 liters of water)	Apply as pre-plant dip immediately prior to planting. (100 gallons is intended to treat the number of slips required to plant one acre).
	Irrigation	Overhead: 2-4 quarts in at least 100 gallons of water. (5 to 10 liters in at least 1000 liters of water) Drip: 2-3 quarts in at least 100 gallons of water. (5-7 liters in at least 1000 liters of water)	Apply with normal irrigation schedule. Follow <b>Disease Prevention Program</b> or <b>Disease Control Program</b> as stated above. Do not apply Fosphite at intervals less than 3 days.
Downy Mildew +Powdery Mildew	Foliar	1 to 3 quarts in 100 gallons of water/acre. (3 to 8 liters in 1000 liters of water/hectare)	Apply at 2-3 week intervals. Follow <b>Disease Prevention Program</b> or <b>Disease Control Program</b> as stated above. Do not apply Fosphite at intervals less than 3 days.
	Aerial Application	1 to 3 quarts in a minimum of 10 gallons of water/acre. (3 to 8 liters in a minimum of 100 liters of water/hectare.)	

\* Check with your local Extension Agent if you are unsure these conditions exist.  
+ Except California

**Cereal Grains, Forage and Fiber Crops:** Alfalfa, Barley, Buckwheat, Canola, Clover (all types), Corn (all types), Cotton, Hay, Kudzu, Lespedeza, Lupin, Millet, Oats, Popcorn, Rice, Rye, Safflower, Sainfoin, Sorghum, Sunflower, Teosinte, Trefoil, Triticale, Vetch, Wheat and Wild rice.

Make applications prior to disease development in conjunction with good cultural management practices. Use the higher rate when disease pressure is severe. Use rates and frequency are designed to prevent plant injury. If more frequent applications are necessary for disease control, consult a crop expert and follow their recommendations. Do not exceed the highest rate per application. Do not apply at less than 3 day intervals. Do not apply to plants that are dormant or heat or moisture stressed. To avoid undesirable copper phytotoxicity, do not apply FOSPHITE foliarly to plants treated with copper based compounds at less than 20 day intervals unless instructed to do so by your consultant. Allow foliage to completely dry after application. Do not apply when conditions favor wet tissue for prolonged periods (>4 hours).

Disease	Application Method	Rate	Application Program
Phytophthora Pythium +Fusarium +Rhizoctonia	Foliar	1 to 3 quarts in 100 gallons of water/acre. (3 to 8 liters in a minimum of 1000 liters of water/hectare)	<b>Disease Prevention Program*:</b> Apply lower rate at 2-4 week intervals after plants become established. Do not apply Fosphite at intervals less than 3 days. <b>Disease Control Program:</b> Apply higher rate at 2-3 week intervals until control is reached. Consult with Farm Advisor or crop expert to determine disease severity. Do not apply Fosphite at intervals less than 3 days.
	or Aerial Application	1 to 3 quarts in a minimum of 10 gallons of water / acre. (3 to 8 liters in a minimum of 100 liters of water/hectare.)	
	Irrigation	Overhead: 2-4 quarts in at least 100 gallons of water. (5 to 10 liters in at least 1000 liters of water) Drip: 2-3 quarts in at least 100 gallons of water. (5-7 liters in at least 1000 liters of water)	Apply with normal irrigation schedule. Follow <b>Disease Prevention Program</b> or <b>Disease Control Program</b> as stated above. Do not apply Fosphite at intervals less than 3 days.
Downy Mildew	Foliar	1 to 3 quarts in 100 gallons of water/acre. (3 to 8 liters in 1000 liters of water/hectare)	Apply at 2-3 week intervals. Follow <b>Disease Prevention Program</b> or <b>Disease Control Program</b> as stated above. Do not apply Fosphite at intervals less than 3 days.
	or Aerial Application	1 to 3 quarts in a minimum of 10 gallons of water/acre. (3 to 8 liters in a minimum of 100 liters of water/hectare.)	

\* Check with your local Extension Agent if you are unsure these conditions exist.  
+ Except California

Citrus Crops (Bearing and Non-Bearing) including Avocado: Avocado, Calamondin, Citrus hybrids, Grapefruit, Kumquat, Lemon, Lime, Mandarin, Orange (all types), Pummelo and Satsuma mandarin.

Make applications prior to disease development in conjunction with good cultural management practices. Use the higher rate when disease pressure is severe. Use rates and frequency are designed to prevent plant injury. If more frequent applications are necessary for disease control, consult a crop expert and follow their recommendations. Do not exceed the highest rate per application. Do not apply at less than 3 day intervals. Do not apply to plants that are dormant or heat or moisture stressed. To avoid undesirable copper phytotoxicity, do not apply FOSPHITE foliarly to plants treated with copper based compounds at less than 20 day intervals unless instructed to do so by your consultant. Allow foliage to completely dry after application. Do not apply when conditions favor wet tissue for prolonged periods (>4 hours).

Disease	Application Method	Rate	Application Program
Phytophthora Pythium +Fusarium +Rhizoctonia	Foliar	1 to 3 quarts in 100 gallons of water/acre. (3 to 8 liters in a minimum of 1000 liters of water/hectare)	<b>Disease Prevention Program*:</b> Apply lower rate at 2-4 week intervals after plants become established. Do not apply Fosphite at intervals less than 3 days. <b>Disease Control Program:</b> Apply higher rate at 2-3 week intervals until control is reached. Consult with Farm Advisor or crop expert to determine disease severity. Do not apply Fosphite at intervals less than 3 days.
	or		
	Aerial Application	1 to 3 quarts in a minimum of 10 gallons of water / acre. (3 to 8 liters in a minimum of 100 liters of water/hectare.)	
	Root Dip	2 quarts/100 gallons of water, 2/3 fluid ounces/gallon of water (5 liters/1000 liters of water)	
Downy Mildew	Irrigation	Overhead: 2-4 quarts in at least 100 gallons of water. (5 to 10 liters in at least 1000 liters of water) Drip: 2-3 quarts in at least 100 gallons of water. (5-7 liters in at least 1000 liters of water)	Apply with normal irrigation schedule. Follow <b>Disease Prevention Program</b> or <b>Disease Control Program</b> as stated above. Do not apply Fosphite at intervals less than 3 days.
	Trunk Injection	3 teaspoons/linear yard of canopy width or 2 inch of trunk diameter at breast height (DBH) (15 milliliters/linear meter of canopy width or 5 centimeters DBH.) Inject directly in to tree.	Apply according to injection equipment instructions. Adjust rate based on injection equipment suggestions for specific applications. Repeat 2-4 times a year until control is reached.
	Foliar	1 to 3 quarts in a minimum of 100 gallons of water/acre. (5 to 7 liters in a minimum of 1000 liters of water/hectare)	Apply at 2-3 week intervals. Follow <b>Disease Prevention Program</b> or <b>Disease Control Program</b> as stated above. Do not apply Fosphite at intervals less than 3 days.
or			
	Aerial Application	1 to 3 quarts in a minimum of 10 gallons of water/acre. (5 to 7 liters in a minimum of 100 liters/hectare.)	

\* Check with your local Extension Agent if you are unsure these conditions exist.  
+ Except California

**Cucurbit Crops:** Chayote, Chinese waxgourd, Citron melon, Cucumber (all types), Gherkin, Gourd, Muskmelon, Pumpkin, Squash (summer and winter) and Watermelon.

Make applications prior to disease development in conjunction with good cultural management practices. Use the higher rate when disease pressure is severe. Use rates and frequency are designed to prevent plant injury. If more frequent applications are necessary for disease control, consult a crop expert and follow their recommendations. Do not exceed the highest rate per application. Do not apply at less than 3 day intervals. Do not apply to plants that are dormant or heat or moisture stressed. To avoid undesirable copper phytotoxicity, do not apply FOSPHITE foliarly to plants treated with copper based compounds at less than 20 day intervals unless instructed to do so by your consultant. Allow foliage to completely dry after application. Do not apply when conditions favor wet tissue for prolonged periods (>4 hours).

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Phytophthora Pythium +Fusarium +Rhizoctonia	Foliar	1 to 3 quarts in 100 gallons of water/acre. (3 to 8 liters in 1000 liters of water/hectare)	<b>Disease Prevention Program*:</b> Apply lower rate at 2-4 week intervals after plants become established. Do not apply Fosphite at intervals less than 3 days. <b>Disease Control Program:</b> Apply higher rate at 2-3 week intervals until control is reached. Consult with Farm Advisor or crop expert to determine disease severity. Do not apply Fosphite at intervals less than 3 days.
	or		
	Aerial Application	1 to 3 quarts in a minimum of 10 gallons of water/acre. (3 to 8 liters in a minimum of 100 liters of water/hectare.)	
	Irrigation	Overhead: 2-4 quarts in at least 100 gallons of water. (5 to 10 liters in at least 1000 liters of water) Drip: 2-3 quarts in at least 100 gallons of water. (5-7 liters in at least 1000 liters of water)	Apply with normal irrigation schedule. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply Fosphite at intervals less than 3 days.
Downy Mildew +Powdery Mildew	Foliar	1 to 3 quarts in 100 gallons of water/acre. (3 to 8 liters in 1000 liters of water/hectare)	Apply at 2-3 week intervals. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply Fosphite at intervals less than 3 days.
	or		
	Aerial Application	1 to 3 quarts in a minimum of 10 gallons of water/acre. (3 to 8 liters in a minimum of 1000 liters of water/hectare.)	

\* Check with your local Extension Agent if you are unsure these conditions exist.  
+ Except California

**Herbs and Spices Crops:** Allspice, Angelica, Anise, Annatto, Balm, Basil, Borage, Bumet, Camomile, Caper buds, Caraway, Cardamom, Cassia bark and buds, Catnip, Celery seed, Chervil, Chive, Cinnamon, Clary, Clove, Cocoa, Coriander, Costmary, Cilantro, Cumin, Curry, Dill, Fennel, Fenugreek, Grains of paradise, Hops, Horehound, Hyssop, Juniper berry, Lavender, Lemongrass, Lovage, Mace, Marigold, Marjoram, Mint, Mustard, Nasturtium, Nutmeg, Parsley, Pennyroyal, Pepper, Poppy seed, Rosemary, Rue, Saffron, Sage, Savory, Sweet bay, Tansy, Tarragon, Thyme, Vanilla, Wintergreen, Woodruff and Wormwood.

Make applications prior to disease development in conjunction with good cultural management practices. Use the higher rate when disease pressure is severe. Use rates and frequency are designed to prevent plant injury. If more frequent applications are necessary for disease control, consult a crop expert and follow their recommendations. Do not exceed the highest rate per application. Do not apply at less than 3 day intervals. Do not apply to plants that are dormant or heat or moisture stressed. To avoid undesirable copper phytotoxicity, do not apply FOSPHITE foliarly to plants treated with copper based compounds at less than 20 day intervals unless instructed to do so by your consultant. Allow foliage to completely dry after application. Do not apply when conditions favor wet tissue for prolonged periods (>4 hours).

Disease	Application Method	Rate	Application Program
Phytophthora Pythium +Fusarium +Rhizoctonia	Foliar	1 to 3 quarts in 100 gallons of water/acre. (3 to 8 liters in 1000 liters of water/hectare)	<b>Disease Prevention Program*:</b> Apply lower rate at 2-4 week intervals after plants become established. Do not apply Fosphite at intervals less than 3 days. <b>Disease Control Program:</b> Apply higher rate at 2-3 week intervals until control is reached. Consult with Farm Advisor or crop expert to determine disease severity. Do not apply Fosphite at intervals less than 3 days.
	or Aerial Application	1 to 3 quarts in a minimum of 10 gallons of water/acre. (3 to 8 liters in a minimum of 100 liters of water/hectare.)	
	Irrigation	Overhead: 2-4 quarts in at least 100 gallons of water. (5 to 10 liters in at least 1000 liters of water) Drip: 2-3 quarts in at least 100 gallons of water. (5-7 liters in at least 1000 liters of water)	
Downy Mildew +Powdery Mildew	Foliar or Aerial Application	1 to 3 quarts in 100 gallons of water/acre. (3 to 8 liters in 1000 liters of water/hectare)  1 to 3 quarts in a minimum of 10 gallons of water/acre. (3 to 8 liters in a minimum of 1000 liters of water/hectare.)	Apply at 2-3 week intervals. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply Fosphite at intervals less than 3 days.

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+ Except California

**Legume Vegetables Crops:** Bean (all types), broad bean (fava bean), Chick pea (garbanzo bean), Guar, Jackbean, Lablab bean, Lentil, Pea (all types), Peanut, Pigeon pea, Soybean and Sword bean.

Make applications prior to disease development in conjunction with good cultural management practices. Use the higher rate when disease pressure is severe. Use rates and frequency are designed to prevent plant injury. If more frequent applications are necessary for disease control, consult a crop expert and follow their recommendations. Do not exceed the highest rate per application. Do not apply at less than 3 day intervals. Do not apply to plants that are dormant or heat or moisture stressed. To avoid undesirable copper phytotoxicity, do not apply FOSPHITE foliarly to plants treated with copper based compounds at less than 20 day intervals unless instructed to do so by your consultant. Allow foliage to completely dry after application. Do not apply when conditions favor wet tissue for prolonged periods (>4 hours).

Disease	Application Method	Rate	Application Program
Phytophthora Pythium +Fusarium +Rhizoctonia +Early and Late Leaf Spot on Peanut ( <i>Cercospora arachidi- cola</i> and <i>Cer- cosporidium personatum</i> )	Foliar	1 to 3 quarts in 100 gallons of water/acre. (3 to 8 liters in 1000 liters of water/hectare)	<b>Disease Prevention Program*:</b> Apply lower rate at 2-4 week intervals after plants become established. Do not apply Fosphite at intervals less than 3 days. <b>Disease Control Program:</b> Apply higher rate at 2-3 week intervals until control is reached. Consult with Farm Advisor or crop expert to determine disease severity. Do not apply Fosphite at intervals less than 3 days.
	or Aerial Application	1 to 3 quarts in a minimum of 10 gallons of water/acre. (3 to 8 liters in a minimum of 1000 liters of water/hectare.)	
	Irrigation	Overhead: 2-4 quarts in at least 100 gallons of water. (5 to 10 liters in at least 1000 liters of water) Drip: 2-3 quarts in at least 100 gallons of water. (5-7 liters in at least 1000 liters of water)	Apply with normal irrigation schedule. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply Fosphite at intervals less than 3 days.
Downy Mildew +Powdery Mildew	Foliar	1 to 3 quarts in 100 gallons of water/acre. (3 to 8 liters in 1000 liters of water/hectare)	Apply at 2-3 week intervals. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply Fosphite at intervals less than 3 days.
	or Aerial Application	1 to 3 quarts in a minimum of 10 gallons of water/acre. (3 to 8 liters in a minimum of 100 liters of water/hectare.)	

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+ Except California

**Pome Fruits Crops (Bearing and Non-Bearing) including Papaya: Apple, Crabapple, Loquat, Mayhaw, Papaya, Pear, and Quince.**

Make applications prior to disease development in conjunction with good cultural management practices. Use the higher rate when disease pressure is severe. Use rates and frequency are designed to prevent plant injury. If more frequent applications are necessary for disease control, consult a crop expert and follow their recommendations. Do not exceed the highest rate per application. Do not apply at less than 3 day intervals. Do not apply to plants that are dormant or heat or moisture stressed. To avoid undesirable copper phytotoxicity, do not apply FOSPHITE foliarly to plants treated with copper based compounds at less than 20 day intervals unless instructed to do so by your consultant. Allow foliage to completely dry after application. Do not apply when conditions favor wet tissue for prolonged periods (>4 hours).

Disease	Application Method	Rate	Application Program
Phytophthora Pythium +Fusarium +Rhizoctonia +Fire Blight ( <i>Erwinia amylovora</i> )	Foliar or Aerial Application	1 to 3 quarts in 100 gallons of water/acre. (3 to 8 liters in 1000 liters of water/hectare)  1 to 3 quarts in a minimum of 10 gallons of water/acre. (3 to 8 liters in a minimum of 100 liters of water/hectare.)	<b>Disease Prevention Program*:</b> Apply lower rate at 2-4 week intervals after plants become established. Do not apply Fosphite at intervals less than 3 days. <b>Disease Control Program:</b> Apply higher rate at 2-3 week intervals until control is reached. Consult with Farm Advisor or crop expert to determine disease severity. Do not apply Fosphite at intervals less than 3 days.
	Root Dip	2 quarts/100 gallon of water, 2/3 fluid ounces/gallon of water. (5 liters/1000 liters of water)	Apply as pre-plant dip to the roots for 15-30 minutes. Plant within 24 hours after dipping.
	Irrigation	Overhead: 2-4 quarts in at least 100 gallons of water. (5 to 10 liters in at least 1000 liters of water) Drip: 2-3 quarts in at least 100 gallons of water. (5-7 liters in at least 1000 liters of water)	Apply with normal irrigation schedule. Follow <b>Disease Prevention Program</b> or <b>Disease Control Program</b> as stated above. Do not apply Fosphite at intervals less than 3 days.
	Trunk Injection	3 teaspoons / linear yard of canopy width or 2 inch of trunk diameter at breast height (DBH) (15 milliliter/linear meter of canopy width or 5 centimeters DBH.) Inject directly in to tree.	Apply according to injection equipment instructions. Adjust rate based on injection equipment suggestions for specific applications. Repeat 2-4 times a year until control is reached.
Downey Mildew +Powdery Mildew	Foliar or Aerial Application	1 to 3 quarts in 100 gallons of water/acre. (5 to 7 liters in a minimum of 1000 liters of water/hectare.)  1 to 3 quarts in a minimum of 10 gallons of water/acre. (3 to 8 liters in a minimum of 1000 liters/hectare.)	Apply at 2-3 week intervals. Follow <b>Disease Prevention Program</b> or <b>Disease Control Program</b> as stated above. Do not apply Fosphite at intervals less than 3 days.

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+ Except California

**Stone Fruit Crops including Olives: Apricot, Cherry, Nectarine, Olive, Peach, Plum, Plumcot and Prune.**

Make applications prior to disease development in conjunction with good cultural management practices. Use the higher rate when disease pressure is severe. Use rates and frequency are designed to prevent plant injury. If more frequent applications are necessary for disease control, consult a crop expert and follow their recommendations. Do not exceed the highest rate per application. Do not apply at less than 3 day intervals. Do not apply to plants that are dormant or heat or moisture stressed. To avoid undesirable copper phytotoxicity, do not apply FOSPHITE foliarly to plants treated with copper based compounds at less than 20 day intervals unless instructed to do so by your consultant. Allow foliage to completely dry after application. Do not apply when conditions favor wet tissue for prolonged periods (>4 hours).

Disease	Application Method	Rate	Application Program
Phytophthora Pythium +Fusarium +Rhizoctonia	Foliar	1 to 3 quarts in 100 gallons of water/acre. (3 to 8 liters in a 1000 liters of water/hectare)	<b>Disease Prevention Program*:</b> Apply lower rate at 2-4 week intervals after plants become established. Do not apply Fosphite at intervals less than 3 days. <b>Disease Control Program:</b> Apply higher rate at 2-3 week intervals until control is reached. Consult with Farm Advisor or crop expert to determine disease severity Do not apply Fosphite at intervals less than 3 days.
	Aerial Application	1 to 3 quarts in a minimum of 10 gallons of water/acre. (3 to 8 liters in a minimum of 100 liters/hectare.)	
	Root Dip	2 quarts/100 gallon of water, 2/3 fluid ounces/gallon of water. (5 liters/1000 liters of water)	Apply as pre-plant dip to the roots for 15-30 minutes. Plant within 24 hours after dipping.
	Irrigation	Overhead: 2-4 quarts in at least 100 gallons of water. (5 to 10 liters in at least 1000 liters of water) Drip: 2-3 quarts in at least 100 gallons of water. (5-7 liters in at least 1000 liters of water)	Apply with normal irrigation schedule. Follow <b>Disease Prevention Program</b> or <b>Disease Control Program</b> as stated above. Do not apply Fosphite at intervals less than 3 days.
	Trunk Injection	3 teaspoons / linear yard of canopy width or 2 inch of trunk diameter at breast height (DBH) (15 milliliter/linear meter of canopy width or 5 centimeters DBH.) Inject directly in to tree.	Apply according to injection equipment instructions. Adjust rate based on injection equipment suggestions for specific applications. Repeat 2-4 times a year until control is reached.
Downy Mildew +Powdery Mildew	Foliar	1 to 3 quarts in 100 gallons of water/acre. (3 to 8 liters in 1000 liters of water/hectare)	Apply at 2-3 week intervals. Follow <b>Disease Prevention Program</b> or <b>Disease Control Program</b> as stated above. Do not apply Fosphite at intervals less than 3 days.
	Aerial Application	1 to 3 quarts in a minimum of 10 gallons of water/acre. (3 to 8 liters in a minimum of 1000 liters of water/hectare.)	

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+ Except California



**Tree Nut Crops including Grapes and Vines:** Almond, Beech nut, Palm, Brazil nut, Butternut, Cashew, Chestnut, Chinquapin, Filbert, Grapes (all types), Raisins, Hickory nut, Kiwi, Macadamia nut, Pecan, Pistachio and Walnut

Make applications prior to disease development in conjunction with good cultural management practices. Use the higher rate when disease pressure is severe. Use rates and frequency are designed to prevent plant injury. If more frequent applications are necessary for disease control, consult a crop expert and follow their recommendations. Do not exceed the highest rate per application. Do not apply at less than 3 day intervals. Do not apply to plants that are dormant or heat or moisture stressed. To avoid undesirable copper phytotoxicity, do not apply FOSPHITE foliarly to plants treated with copper based compounds at less than 20 day intervals unless instructed to do so by your consultant. Allow foliage to completely dry after application. Do not apply when conditions favor wet tissue for prolonged periods (>4 hours).

Disease	Application Method	Rate	Application Program
Phytophthora Pythium +Fusarium +Rhizoctonia	Foliar	1 to 3 quarts in 100 gallons of water/acre. (3 to 8 liters in 1000 liters of water/hectare)	Disease Prevention Program*: Apply lower rate at 2-4 week intervals after plants become established. Do not apply Fosphite at intervals less than 3 days. Disease Control Program: Apply higher rate at 2-3 week intervals until control is reached. Consult with Farm Advisor or crop expert to determine disease severity. Do not apply Fosphite at intervals less than 3 days.
	or Aerial Application	1 to 3 quarts in a minimum of 10 gallons of water/acre. (3 to 8 liters in a minimum of 1000 liters/hectare.)	
	Root Dip	2 quarts/100 gallon of water, 2/3 fluid ounces/gallon of water. (5 liters/1000 liters of water)	Apply as pre-plant dip to the roots for 15-30 minutes. Plant within 24 hours after dipping.
	Irrigation	Overhead: 2-4 quarts in at least 100 gallons of water. (5 to 10 liters in at least 1000 liters of water) Drip: 2-3 quarts in at least 100 gallons of water. (5-7 liters in at least 1000 liters of water)	Apply with normal irrigation schedule. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply Fosphite at intervals less than 3 days.
	Trunk Injection	3 teaspoons / linear yard of canopy width or 2 inch of trunk diameter at breast height (DBH) (15 milliliter/linear meter of canopy width or 5 centimeters DBH). Inject directly into tree.	Apply according to injection equipment instructions. Adjust rate based on injection equipment suggestions for specific applications. Repeat 2-4 times a year until control is reached.
Downy Mildew +Powdery Mildew	Foliar	1 to 3 quarts in 100 gallons of water/acre. (3 to 8 liters in a1000 liters of water/hectare)	Apply at 2-3 week intervals. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply Fosphite at intervals less than 3 days.
	or Aerial Application	1 to 3 quarts in a minimum of 10 gallons of water/acre. (3 to 7 liters in a minimum of 100 liters/hectare.)	

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+ Except California

**Vegetable Crops Including Miscellaneous Food Crops:** (Leafy, Root and Tuber) Amaranth (Chinese spinach, tam-pala, etc.) Arracacha, Arugula, Arrowroot, Artichoke (all types), Asparagus, Beet (all types), Burdock, Canna, Cardoon, Carrot, Cassava, Celeriac, Celery, Chayote, Chervil (turnip-rooted), Chicory, Chilies, Chrysanthemum (edible), Chufa, Cinchoca, Coconut, Coffee, Corn (all types), Cress (all types), Dandelion, Dasheen, Dock, Eggplant, Endive, Fennel, Garlic, Ginger, Ginseng, Horseradish, Leren, Lettuce (all types), Okra, Onion, Orach, Parsley, Parsnip, Peppers (all types), Pineapple, Purslane, Potato (all types), Radicchio, Radish (all types), Rhubarb, Rutabaga, Salsify (all types), Skirret, Spinach (all types), Sugar Beet, Sugarcane, Sweet Potato, Swiss Chard, Tanier, Tobacco, Tomato, Turmeric, Turnip, Yam (all types).

Make applications prior to disease development in conjunction with good cultural management practices. Use the higher rate when disease pressure is severe. Use rates and frequency are designed to prevent plant injury. If more frequent applications are necessary for disease control, consult a crop expert and follow their recommendations. Do not exceed the highest rate per application. Do not apply at less than 3 day intervals. Do not apply to plants that are dormant or heat or moisture stressed. To avoid undesirable copper phytotoxicity, do not apply FOSPHITE foliarly to plants treated with copper based compounds at less than 20 day intervals unless instructed to do so by your consultant. Allow foliage to completely dry after application. Do not apply when conditions favor wet tissue for prolonged periods (>4 hours).

Disease	Application Method	Rate	Application Program
Phytophthora Pythium +Fusarium +Rhizoctonia	Foliar	1 to 3 quarts in 100 gallons of water/acre. (3 to 8 liters in 1000 liters of water/hectare)	<b>Disease Prevention Program*:</b> Apply lower rate at 2-4 week intervals after plants become established. Do not apply Fosphite at intervals less than 3 days. <b>Disease Control Program:</b> Apply higher rate at 2-3 week intervals until control is reached. Consult with Farm Advisor or crop expert to determine disease severity. Do not apply Fosphite at intervals less than 3 days.
	Aerial Application	1 to 3 quarts in a minimum of 10 gallons of water/acre. (3 to 8 liters in a minimum of 1000 liters of water/hectare.)	
	Root Dip	2 quarts/100 gallon of water, 2/3 fluid ounces/gallon of water. (5 liters/1000 liters of water)	
	Irrigation	Overhead: 2-4 quarts in at least 100 gallons of water. (5 to 10 liters in at least 1000 liters of water) Drip: 2-3 quarts in at least 100 gallons of water. (5-7 liters in at least 1000 liters of water)	
Downy Mildew +Powdery Mildew	Foliar	1 to 3 quarts in 100 gallons of water/acre. (3 to 8 liters in 1000 liters of water/hectare)	Apply at 2-3 week intervals. Follow <b>Disease Prevention Program</b> or <b>Disease Control Program</b> as stated above. Do not apply Fosphite at intervals less than 3 days.
	Aerial Application	1 to 3 quarts in a minimum of 10 gallons of water/acre. (3 to 8 liters in a minimum of 1000 liters of water/hectare.)	

\* Check with your local Extension Agent if you are unsure these conditions exist.

+ Except California

Vegetable Crops Including Miscellaneous Food Crops (cont.)

Disease	Application Method	Rate	Application Program
Treatment of potato vines for Pink Rot ( <i>Phytophthora erythroseptica</i> ) Late Blight ( <i>Phytophthora infestans</i> )	Foliar or Aerial Application	3 to 5 quarts in 100 gallons of water/acre. (5 to 7 liters in a minimum of 100 liters of water/hectare)  3 to 5 quarts in a minimum of 20 gallons of water/acre. (5 to 7 liters in a minimum of 100 liters of water/hectare)	Disease Prevention Program*: Apply at 2-3 week intervals. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply Fosphite at intervals less than 3 days.
+ Post-harvest treatment of potatoes for: Late Blight ( <i>Phytophthora infestans</i> ) Pink Rot ( <i>Phytophthora erythroseptica</i> )	Spray, rinse or injected into humidification water prior to or during storage.	Dilute Fosphite at 1:20 ratio with application water. (6.4-12.8 fluid ounces/ 0.5 gallon of water / ton of tubers). (100 to 200 milliliter/liter of water)	Inject concentrate in to water used in humidification or process water used for post-harvest storage, rinses and associated tanks, flumes and lines.

\* Check with your local Extension Agent if you are unsure these conditions exist.  
+ Except California

ORNAMENTALS

FOSPHITE fungicide is used for control of Pythium, Downy Mildew, Powdery Mildew, Phytophthora and various other diseases of ORNAMENTALS grown in commercial nurseries and greenhouses, golf courses, parks and commercial landscapes. FOSPHITE may be applied to all ornamental and landscape plants including (but not limited to): Aglaonema, Aphelandra, Arborvitae, Ash, Azaleas, Bougainvilleas, Boxwood, Bushes, Cattleya skinneri, Cedars, Ceanothus, Cotoneaster, Cissus, Dieffenbachia, Dogwood, Ferns, Ficus, Flowering Trees, Hibiscus, Hardwood Trees, Holly, Home Lawns, Juniper, Magnolia Trees, Maple, Pines, Oaks, Palms, Peperomia, Photinia, Pittosporum, Philodendron, Pieris, Pothos, Redwoods, Rhododendron, Roses, Schefflera, Sedum, Sempervivum, Shrubs, Spathiphyllum, Sycamore, Taxus media, Zygocactus.

Apply FOSPHITE prior to disease development in conjunction with good cultural practices. Use the higher rate when disease pressure is severe. Use rates and frequency are designed to prevent plant injury. If more frequent applications are necessary for disease control, consult a crop expert and follow their recommendations. Do not exceed the highest rate per application. Do not apply at less than 3 day intervals. Do not apply to plants that are dormant or under heat or moisture stress. To avoid undesirable copper phytotoxicity, do not apply FOSPHITE foliarly to plants treated with copper based compounds at less than 20 day intervals unless instructed to do so by your consultant. Allow foliage to completely dry after application. Do not apply when conditions favor wet tissue for prolonged periods (>4 hours).

(Continued on next page)

Disease	Application Method	Rate	Application Program
Phytophthora +Fusarium Pythium +Rhizoctonia +Fire Blight (Erwinia amylovora) +Bacterial Blight (Xanthomonas campestris) +Geranium Wilt (Ralstonia spp.)	Foliar	1 to 2 quarts/100 gallons of water or 1/3 fluid ounce to 2/3 fluid ounce per gallon of water. (2.5 to 5 liters/1000 liters of water)	<b>Disease Prevention Program*</b> : Apply lower rate at 2-4 week intervals after plants become established. Do not apply Fosphite at intervals less than 3 days. <b>Disease Control Program</b> : Apply higher rate at 2-3 week intervals until control is reached. Consult with Farm Advisor or crop expert to determine disease severity. Do not apply Fosphite at intervals less than 3 days.
	Soil Drench	12-24 fluid ounce/100 gallon of water or 1/8 to 1/4 fluid ounce per gallon of water (1 to 2 liters/1000 liters of water)	Apply 1-2 pts. of diluted solution per sq. foot. Adjust volume as needed to thoroughly wet media. Apply at 2-3 week intervals and repeat as needed Do not apply Fosphite at intervals less than 3 days.
	Soil Incorporation	1 to 2 pints/cubic yard of soil mix (300-600 milliliters/ cubic meter)	Mix 1 to 2 pints of Fosphite with enough water to wet one cubic yard of soil; mix immediately before potting. If conditions are favorable for disease development, make additional applications as a foliar spray or soil drench.
	Irrigation	Overhead: 1-2 quarts/100 gallons of water. (2.5 - 5 liters/1000 liters of water) Drip: 1-2 quarts/100 gallons of water. (2.5 - 5 liters/1000 liters of water)	Apply with normal irrigation schedule. Follow <b>Disease Prevention Program</b> or <b>Disease Control Program</b> as stated above. Do not apply Fosphite at intervals less than 3 days.
	Trunk Injection	3 teaspoons/linear yard of canopy width or 2 inch of trunk diameter at breast height (DBH) (15 milliliters / linear meter of canopy width or 5 centimeters DBH.) Inject directly in to tree.	Apply according to injection equipment instructions. Adjust rate based on injection equipment suggestions for specific applications. Repeat 2-4 times a year until control is reached.
	Root Dip	2 quarts/100 gallons of water or 2/3 fluid ounce/gallon of water. (5 liters/1000 liters of water)	Dip transplants into diluted solution of Fosphite. Thoroughly wet plant root mass immediately before transplanting. Keep roots submerged for 1 to 2 minutes.
Downy Mildew +Powdery Mildew	Foliar Spray	1 to 2 quarts/100 gallons of water or 1/3 fluid ounce to 2/3 fluid ounce/ gallon of water (2.5 to 5 liters/1000 liters of water)	Apply diluted solution to thoroughly wet foliage. Apply at 2-3 week intervals and repeat as needed. Do not apply Fosphite at intervals less than 3 days. Follow <b>Disease Prevention Program</b> or <b>Disease Control Program</b> as stated above.

\* Check with your local Extension Agent if you are unsure these conditions exist.  
+ Except California

**BEDDING PLANTS**

FOSPHITE fungicide is used for control of Downy Mildew, Powdery Mildew, Pythium, Phytophthora and various other diseases of bedding plants grown in commercial nurseries and greenhouses, golf courses, parks and commercial landscapes. Apply FOSPHITE to all bedding plants including: Ageratum, Algerian Ivy, Alyssum, Anthurium, Artemisia, Aster, Baby's Breath, Begonia, Caladium, Carnation, Chrysanthemum, Coleus, Columbine, Daisy, Delphinium, Easter Lily, English Ivy, Foxglove, Gaillardia, Geranium, Gloxinia, Impatiens, Marigold, Pansy, Petunia, Phlox, Pinks, Poinsettia, Primrose, Prostrate Rosemary, Salvia, Snapdragon, Verbena, Vinca, Zinnia, etc.

Make applications prior to disease development in conjunction with good cultural management practices. Use the higher rate when disease pressure is severe. Use rates and frequency are designed to prevent plant injury. If more frequent applications are necessary for disease control, consult a crop expert and follow their recommendations. Do not exceed the highest rate per application. Do not apply at less than 3 day intervals. Do not apply to plants that are dormant or heat or moisture stressed. To avoid undesirable copper phytotoxicity, do not apply FOSPHITE foliarly to plants treated with copper based compounds at less than 20 day intervals unless instructed to do so by your consultant. Allow foliage to completely dry after application. Do not apply when conditions favor wet tissue for prolonged periods (>4 hours).

Disease	Application Method	Rate	Application Program
Phytophthora Pythium +Fusarium +Rhizoctonia +Fire Blight ( <i>Erwinia amylovora</i> )	Foliar	1 to 2 quarts/100 gallons water or 1/3 fluid ounce to 2/3 fluid ounce/gallon of water. (2.5 to 5 liters/1000 liters water)	Disease Prevention Program*: Apply lower rate at 2-4 week intervals after plants become established. Do not apply Fosphite at intervals less than 3 days. Disease Control Program: Apply higher rate at 2-3 week intervals until control is reached. Consult with Farm Advisor or crop expert to determine disease severity. Do not apply Fosphite at intervals less than 3 days.  Apply diluted solution to thoroughly wet foliage. Apply at 2-3 week intervals and repeat as needed. Do not apply Fosphite at intervals less than 3 days
	Root Dip	2 quarts/100 gallons of water or 2/3 fluid ounce/gallon of water. (5 liters/1000 liters of water)	Dip transplants into diluted solution of Fosphite. Thoroughly wet plant root mass immediately before transplanting. Keep roots submerged for 1 to 2 minutes.
	Soil Drench	12-24 fluid ounce/100 gallon of water or 1/8 to 1/4 fluid ounce per gallon of water (1 to 2 liters/1000 liters of water)	Apply 1-2 pts. of diluted solution per sq. foot. Adjust volume as needed to thoroughly wet media. Apply at 2-3 week intervals and repeat as needed. Do not apply Fosphite at intervals less than 3 days.
	Irrigation	Overhead: 1-2 quarts /100 gallons of water; (2.5 - 5 liters/1000 liters of water) Drip: 1-2 quarts /100 gallons of water. (2.5 - 5 liters/1000 liters of water)	Apply with normal irrigation schedule. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply Fosphite at intervals less than 3 days.
Downy Mildew +Powdery Mildew	Foliar	1 to 2 quarts/100 gallons water (1/3 fluid ounce to 2/3 fluid ounce/gallon of water) (2.5 to 5 liters/1000 liters of water)	Apply diluted solution to thoroughly wet foliage. Apply at 2-3 week intervals and repeat as needed. Do not apply more than 6 times per crop cycle or year. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply Fosphite at intervals less than 3 days.

\* Check with your local Extension Agent if you are unsure these conditions exist.  
+ Except California

**CONIFERS AND TREES IN COMMERCIAL NURSERIES, PLANTATIONS AND FORESTS,  
LANDSCAPES AND PARKS  
(INCLUDING CHRISTMAS TREES, OAKS and PINES)**

FOSPHITE applied in conjunction with good cultural management practices will control Phytophthora root rot of conifers including (but not limited to): Douglas Fir, spruce and pines also other Phytophthora disease of Oaks (Sudden Oak Death) and forest trees. Use the higher rates when disease pressure is severe. Do not apply to trees that are under heat or moisture stress.

Disease	Application Method	Rate	Application Program
Phytophthora	Foliar	1 to 2 quarts/100 gallon of water /acre (2.5 to 5 liters/1000 liters water/hectare)  or  1/3 fluid ounce to 2/3 fluid ounce/gallon of water. Apply diluted solution to thoroughly wet foliage. Apply at 2-3 week intervals and repeat as needed.	<b>Disease Prevention Program*:</b> Apply lower rate at 2-4 week intervals after plants become established. Do not apply Fosphite at intervals less than 3 days. <b>Disease Control Program:</b> Apply higher rate at 2-3 week intervals until control is reached. Consult with Farm Advisor or crop expert to determine disease severity. Do not apply Fosphite at intervals less than 3 days.
	Soil Drench	12-24 fluid ounce/100 gallons of water or 1/8 to 1/4 fluid ounce/gallon of water (1 to 2 liters/1000 liters of water)	Apply 1-2 pts. of diluted solution per sq. foot. Adjust volume as needed to thoroughly wet media. Apply at 2-3 week intervals and repeat as needed. Do not apply Fosphite at intervals less than 3 days.
	Trunk Injection	3 teaspoons / linear yard of canopy width or 2 inch of trunk diameter at breast height (DBH) (15 milliliters/linear meter of canopy width or 5 centimeters DBH.) Inject directly in to tree.	Apply according to injection equipment instructions. Adjust rate based on injection equipment suggestions for specific applications.
	Root Dip	2 quarts/100 gallons of water (2/3 fluid ounce/ gallon of water) 5 liters/ 1000 liters of water	Apply as a pre-plant dip to the roots for 15-30 minutes. Plant within 24 hours after dipping.

\* Check with your local Extension Agent if you are unsure these conditions exist. Do not graze livestock in treated conifer nurseries, and/or plantations. Do not feed forage to livestock from treated nurseries and/or plantations.

**TURF**  
**(INCLUDES RESIDENTIAL AND COMMERCIAL LAWN APPLICATIONS**  
**BY COMMERCIAL APPLICATORS)**

FOSPHITE is a systemic fungicide, which is used for the control of Pythium blight, Summer Complex (Bermuda and others), Dollar Spot, Grey Leaf Spot, Brown Patch, Anthracnose and damping-off diseases to turf grasses on sod farms and lawns, commercial turf production, golf courses (including tees and greens), parks and commercial landscapes. Begin preventative applications when conditions first favor disease and repeat at recommended intervals. Use higher rates under severe disease conditions.

Disease	Application Method	Rate	Application Program
Pythium (Yellow Turf) +Rhizoctonia +Sclerotinia +Helminthosporium +Altemana +Anthracnose ( <i>Colletotrichum graminicola</i> )	Foliar	2 to 3 fluid ounces/1,000 square feet. (50-100 milliliters/100 square meters)  or  1 to 3 quarts/100 gallons of water/acre. (3 to 8 liters/1000 liters of water/hectare)	Apply amount in minimum of 2 gal of water per 1,000 sq. ft. Apply at 10 to 21 day intervals as needed. Do not mow or irrigate treated areas until sprays have completely dried.  For sod farms and large areas: Apply diluted solution to thoroughly wet foliage. Apply at 2-3 week intervals and repeat as needed.
	Irrigation	Overhead: 2-3 quarts/acre (5 - 7 liters/hectare in at least 100 gallons of water. (1000 liters) of water.	Apply with normal irrigation schedule. Apply at 10 to 21 day intervals and repeat as needed.

\* Do not graze animals on treated turf. Do not feed clippings from treated turf to livestock and poultry.  
+ Except California

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### STORAGE AND DISPOSAL

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

**Pesticide Storage:** Store in a cool, dry place.

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

For containers of 5 gallons or less

**CONTAINER DISPOSAL: If empty:** Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after flow begins to drip. Fill container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after flow begins to drip. Repeat this procedure two more times.

**Refillable bulk containers**

**Refillable Container:** Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. Pressure rinsing of the container with water is recommended. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat pressure clean procedure two more times.

**If partly filled:** Call your solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain

### NOTICE TO BUYER

To the extent permitted by applicable law, JH BIOTECH, INC. 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, EXPRESSED 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.

To the extent permitted by applicable law, the manufacturer's or seller's total liability shall be for damages not exceeding the cost of the product. If you do not agree with or do not accept any of directions for use, the warranty disclaimers, or limitations on liability, do not use the product, and return it unopened to the Seller, and the purchase price will be refunded.