UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

68573-2

9/12/2006

Page 1 8 3

798974 300 SEP 1 2 2006

Mr. Thomas G. Dullam JH Biotech, Inc. 4951 Olivas Park Drive Ventura, CA 93003

Re: Label Amendment to add postharvest use on potatoes: Application Dated 9/8/06

Product Name: Fosphite Fungicide EPA Registration Number: 68573-2

Dear Mr. Dullam:

The amendment referred to above, submitted in connection with registration under FIFRA section 3(c)(7)(A), is acceptable provided that you:

- 1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA section 3(c)(5) when the Agency requires all registrants of similar products to submit such data.
- 2. Submit five (5) copies of your final printed labeling before you release the product for shipment. Final printed labeling means the label or labeling of the product when distributed or sold. Clearly legible reproductions or photo reductions will be accepted for unusual labels, such as those silk-screened directly onto glass or metal containers or large bags or drum labels. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions.

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

Sincerely,

Regn Horden

Roger Gardner, Acting Chief Biochemical Pesticides Branch Biopesticides and Pollution Prevention Division (7511P)

Enclosure

CONCURRENCES								
SYMBOL -	7511P	75119	7511 P		_			
SURNAME -	Gibbons	148(0)	GANDNE	Į	-			
DATE	9/12/06	5/3/20	9/12/06					

EPA Form 1320-1A (1/90)

Printed on Recycled Paper

OFFICIAL FILE COPY

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 AND FORESTRY APPLICATIONS AND DOMESTIC TREES INCLUDING CONIFERS, PINES, OAKS AND TURF

ACTIVE INGREDIENT: Mono- and dipotassium salts of phosphorous acid	53%
OTHER INGREDIENTS:	47%
TOTAL	100%

- A: SUBLABEL COMMERCIAL PRODUCTS: FOR COMMERCIAL APPLICATORS SUBJECT TO WORKER PROTECTION STANDARD
- B: SUBLABEL COMMERCIAL PRODUCTS: FOR COMMERCIAL APPLICATORS SUBJECT TO WORKER PROTECTION STANDARD (TRUNK INJECTION ONLY)
- C: SUBLABEL HOUSEHOLD PRODUCTS: FOR NON-COMMERCIAL APPLICATORS (NOT SUBJECT TO WORKER PROTECTION STANDARD)

SEP 1 2 2006

Under the Federal Insurficides.

Francisco and Researchide Act.

Constructed for the positions

consistent under 68573-2

MANUFACTURED BY: JH Biotech, Inc. 4951 Olivas Park Dr. Ventura, CA 93003

EPA Reg. No. 68573-2

SUBLABEL - COMMERCIAL PRODUCTS: FOR COMMERCIAL APPLICATORS SUBJECT TO WORKER PROTECTION STANDARD

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 AND FORESTREY APPLICATIONS AND DOMESTIC TREES INCLUDING CONIFERS, PINES, OAKS AND TURF

ACTIVE INGREDIENTS: Mono- and dipotassium salts of Phosphorous Acid*53%	
OTHER INGREDIENTS:	
TOTAL100%	

^{*}Contains 6.22 lbs./gallon of active ingredients, mono- and dipotassium salts of Phosphorous Acid. Equivalent to 3.90 lbs. Phosphorous Acid/gallon.

KEEP OUT OF REACH OF CHILDREN

CAUTION

See side (or back) panel for First Aid and additional precautionary statements.

NET CONTENTS:

1 gallon (3.785 liters)
2 1/2 gallons (9.463 liters)
5 gallons (18.925 liters)

Bulk Containers (100 - 4000 gallons)

MANUFACTURED BY:

JH Biotech, Inc. 4951 Olivas Park Dr. Ventura, CA 93003 EPA Reg. No. 68573-2 EPA Est. No. 68573-CA001

4 8 33

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 Hold eye 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 eye. Call a poison control center or doctor for treatment advice. 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.

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/foliar 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 Crop Grouping: Blackberry (including bingberry, black satin berry, boysenberry, Cherokee blackberry, Chesterberry, Cheyenne blackberry, coryberry, darrowberry, dewberry, Dirksen thornless berry, Grapes (all types), Himalayaberry, hullberry, Lavacaberry, lowberry, Lucretiaberry, mammoth blackberry, marionberry, nectarberry, olallieberry, Oregon evergreen berry, phenomenalberry, rangeberry, ravenberry, rossberry, Shawnee blackberry, youngberry, and varieties and/or hybrids of these), Blueberry, Cane Berries, Cranberry, Currant, Elderberry, Gooseberry, Huckleberry, Loganberry, Raspberry (black and red) and Strawberry.

Disease	Application Me	thod Rate	Application Program
Phytophthora Pythium Fusarium Rhizoctonia	Foliar or Aerial Application	1 to 3 quarts in a minim gallons of water/acre. (5 to 7 liters in minimul liters of water/hectare) 1 to 3 quarts in a minim gallons of water/acre. (5 to 7 liters in a minim liters of water/hectare.)	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
	Root Dip	2 quarts/100 gallons of 2/3 fluid ounce/gallowater. (5 liters/1000 li- water)	on of Apply as pre-plant dip to the roots
	Irrigation	Overhead: 2-4 quarts in least 100 gallons of wat (7-9 liters in at least 100 liters of water) Drip: 2-3 quarts in at least gallons of water. (5-7 liat least 1000 liters of water)	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 or Aerial Application	1 to 3 quarts in a minimum 20 gallons of water/acre (5 to 7 liters in minimum 100 liters of water/hectar 1 to 3 quarts in a minimum 10 gallons of water/acre (5 to 7 liters in a minimum 75 liters of water/hectar	Disease Prevention Program or Disease Control Program as stated above. Do not apply Fosphite at intervals less than 3 days. num of . num of

^{*} Check with your local Extension Agent if you are unsure these conditions exist.

8 8 33

Brassica Crop Grouping: 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 or Aerial Application	1 to 3 quarts in a minimum of 20 gallons of water/acre. (5 to 7 liters in minimum of 100 liters of water/hectare) 1 to 3 quarts in a minimum of 10 gallons of water/acre. (5 to 7 liters in a minimum of 75 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.
	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. (7-9 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 or Aerial Application	1 to 3 quarts in a minimum of 20 gallons of water/acre. (5 to 7 liters in minimum of 100 liters of water/hectare) 1 to 3 quarts in a minimum of 10 gallons of water/acre. (5 to 7 liters in a minimum of 75 liters of water/hectare.)	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.

7

9 8 33

Cereal Grains, Forage and Fiber Crop Grouping: 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.

Disease	Application Me	thod Rate	Application Program
Phytophthora Pythium Fusarium Rhizoctonia	Foliar or	1 to 3 quarts in a minimum of 20 gallons of water/acre. (5 to 7 liters in minimum of 100 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.
	Aerial Application	I to 3 quarts in a minimum of 10 gallons of water/acre. (5 to 7 liters in a minimum of 75 liters of water/hectare.)	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.
	Irrigation	Overhead: 2-4 quarts in at least 100 gallons of water. (7-9 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	Foliar	1 to 3 quarts in a minimum of 20 gallons of water/acre. (5 to 7 liters in minimum of 100 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.
	Aerial Application	1 to 3 quarts in a minimum of 10 gallons of water/acre. (5 to 7 liters in a minimum of 75 liters of water/hectare.)	mes valo 1000 titali 5 dayo.

^{*} Check with your local Extension Agent if you are unsure these conditions exist.

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

Disease	Application M	ethod Rate	Application Program
Phytophthora Pythium Fusarium Rhizoctonia	Foliar or Aerial Application	1 to 3 quarts in a min 100 gallons of water/a (5 to 7 liters in a min 1000 liters of water/he 1 to 3 quarts in a min 10 gallons of water/ac: (5 to 7 liters in a min 75 liters/hectare.)	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
	Root Dip	2 quarts/100 gallons of 2/3 fluid ounces/gawater (5 liters/1000 liters of	for 15-30 minutes. Plant within 24 hours after dipping.
	Irrigation	Overhead: 2-4 quarts is gallons of water. (7-9 liters in at least 16 water) Drip: 2-3 quarts in at 1 gallons of water. (5-7 least 1000 liters of water)	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 width or 2 inch of trun at breast height (DBH) milliliters/linear meter width or 5 centimeters Inject directly in to tre	equipment instructions. Adjust rate based on injection equipment suggestions for specific applications. Repeat 2-4 times a
Downy Mildew	Foliar or Aerial Application	1 to 3 quarts in a m 100 gallons of water/a (5 to 7 liters in a m 1000 liters of water/he 1 to 3 quarts in a mini gallons of water/acre. (5 to 7 liters in a mini liters/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.

^{*} Check with your local Extension Agent if you are unsure these conditions exist.

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

Disease	Application Me	thod Rate	Application Program
Phytophthora Pythium Fusarium Rhizoctonia	Foliar or	1 to 3 quarts in a minimum of 20 gallons of water/acre. (5 to 7 liters in minimum of 100 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.
	Aerial Application	1 to 3 quarts in a minimum of 10 gallons of water/acre. (5 to 7 liters in a minimum of 75 liters of water/hectare.)	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.
	Irrigation	Overhead: 2-4 quarts in at least 100 gallons of water. (7-9 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 Or	1 to 3 quarts in a minimum of 20 gallons of water/acre. (5 to 7 liters in minimum of 100 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.
	Aerial Application	1 to 3 quarts in a minimum of 10 gallons of water/acre. (5 to 7 liters in a minimum of 75 liters of water/hectare.)	

^{*} Check with your local Extension Agent if you are unsure these conditions exist.

Herbs and Spices Crop Grouping:: Allspice, Angelica, Anise, Annatto, Balm, Basil, Borage, Burnet, 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.

Disease	Application Me	thod Rate	Application Program
Phytophthora Pythium Fusarium Rhizoctonia	Foliar Or	1 to 3 quarts in a minimum of 20 gallons of water/acre. (5 to 7 liters in minimum of 100 liters of water/hectare)	Disease Prevention Program*: Apply lower rate at 2-4 week intervals after plants become established. Do not apply Fosphite at
	Aerial Application	1 to 3 quarts in a minimum of 10 gallons of water/acre. (5 to 7 liters in a minimum of 75 liters of water/hectare.)	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.
	Irrigation	Overhead: 2-4 quarts in at least 100 gallons of water. (7-9 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 Or	1 to 3 quarts in a minimum of 20 gallons of water/acre. (5 to 7 liters in minimum of 100 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.
	Aerial Application	1 to 3 quarts in a minimum of 10 gallons of water/acre. (5 to 7 liters in a minimum of 75 liters of water/hectare.)	English and the same of the sa

^{*} Check with your local Extension Agent if you are unsure these conditions exist.

Legume Vegetables Crop Grouping: 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.

Disease	Application Met	hod	Rate	Application Program
Phytophthora Pythium Fusarium Rhizoctonia Early and Late	Foliar Or	20 gallons (5 to 7 lite 100 liters o	ts in a minimum of of water/acre. ers in minimum of 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.
Leaf Spot on Peanut (Cercospora arachidicola and Cercosporidium personatum)	Aerial Application	10 gallons (5 to 7 liter	ts in a minimum of of water/acre. rs in a minimum of water/hectare.)	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.
	Irrigation	100 gallons (7-9 liters i of water) Drip: 2-3 q gallons of	2-4 quarts in at least s of water. in at least 1000 liters quarts in at least 100 water. (5-7 liters in 00 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 Or	of 20 gallo (5 to 7 lite	rts in a minimum ns of water/acre. rs in minimum of f 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.
	Aerial Application	of 10 gallor	rts in a minimum ns of water/acre. ers in a minimum liters of are.)	

^{*} Check with your local Extension Agent if you are unsure these conditions exist.

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

Disease	Application Method		Rate	Application Program
Phytophthora Pythium Fusarium Rhizoctonia Fire Blight (Erwinia amylovora)	Foliar Or Aerial Application	100 gallons of (5 to 7 liters of 1000 liters of 1 to 3 quart 10 gallons of 1000 gallons of 10000 gallons of 1000 gallons of 1000 gallons of 1000 gallons of 10	s in a minimum of	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.
	Root Dip	2/3 fluid our	gallon of water, aces/gallon of water. liters of water)	Apply as pre-plant dip to the roots for 15-30 minutes. Plant within 24 hours after dipping.
	Irrigation	gallons of w. (7-9 liters in water) Drip: 2-3 qu. gallons of w	4 quarts in at least 100 ater. at least 1000 liters of arts in at least 100 vater. (5-7 liters in at ters 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.
Tr	runk Injection	canopy width diameter at b (15 milliliter canopy width	/ linear yard of h or 2 inch of trunk breast height (DBH) //linear meter of h or 5 centimeters et 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	Foliar		s in a minimum of of water/acre.	Apply at 2-3 week intervals. Follow Disease Prevention Program or
Powdery Mildew	Or	(5 to 7 liters	in a minimum of f water/hectare)	Disease Prevention Program of Disease Control Program as stated above. Do not apply Fosphite at intervals less than 3 days.
	Aerial Application	10 gailons of	in a minimum of	

^{*} Check with your local Extension Agent if you are unsure these conditions exist.

Stone Fruits Crop Grouping including Olives: Apricot, Cherry, Nectarine, Olive, Peach, Plum, Plumcot and Prune.

Disease	Application M	lethod	Rate	Application Program
Phytophthora Pythium Fusarium Rhizoctonia	Foliar Or	100 gallons (5 to 7 liter	s in a minimum of of water/acre. s in a minimum of f water/hectare)	Disease Prevention Program*: Apply lower rate at 2-4 week intervals after plants become established. Do not apply Fosphite
	Aerial Application	10 gallons o	s in a minimum of f water/acre. s in a minimum of tare.)	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.
	Root Dip	2/3 fluid water.	gallon of water, ounces/gallon of liters of water)	Apply as pre-plant dip to the roots for 15-30 minutes. Plant within 24 hours after dipping.
	Irrigation	100 gallons (7-9 liters in of water) Drip: 2-3 qu gallons of w	-4 quarts in at least of water. at least 1000 liters arts in at least 100 vater. (5-7 liters in	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	canopy widt diameter at l (15 milliliter canopy widt	/ linear yard of h or 2 inch of trunk breast height (DBH) //linear meter of h or 5 centimeters ct 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 Or	100 gallons (5 to 7 liter	ts in a minimum of of water/acre. rs in a minimum of f 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.
	Aerial Application	gallons of w	in a minimum of 75	

^{*} Check with your local Extension Agent if you are unsure these conditions exist.

Amended December 12, 2003

Tree Nuts Crop Grouping including Vines: Almond, Beech nut, Palm, Brazil nut, Butternut, Cashew, Chestnut, Chinquapin, Filbert, Grapes (all types), Hickory nut, Kiwi, Macadamia nut, Pecan, Pistachio and Walnut.

Disease	Application Me	thod Rate	Application Program
Phytophthora Pythium Fusarium Rhizoctonia	Foliar Or	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)	Disease Prevention Program*: Apply lower rate at 2-4 week intervals after plants become established. Do not apply Fosphite at intervals less than 3
	Aerial Application	1 to 3 quarts in a minimum of 10 gallons of water/acre. (5 to 7 liters in a minimum of 75 liters/hectare.)	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.
	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. (7-9 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.
Tr	unk 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 Or	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 Disease Prevention Program or Disease Control Program 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. (5 to 7 liters in a minimum of 75 liters/hectare.)	

^{*} Check with your local Extension Agent if you are unsure these conditions exist.

Vegetables Crop Grouping Including Miscellaneous Food Crops: (Leafy, Root and Tuber) Amaranth (Chinese spinach, tampala, 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, Salisify (all types), Skirret, Spinach (all types), Sugarbeet, Sugarcane, Sweet Potato, Swiss chard, Tanier, Tobacco, Tomato, Turmeric, Turnip, Yam (all types).

Disease	Application Meth	od Rate	Application Program
Phytophthora Pythium	T 1'-	1 to 4 quarts in a minimum of	Disease Prevention Program*:
Fusarium		20 gallons of water/acre. (5 to 7 liters in minimum of	Apply lower rate at 2-4 week intervals after plants become
Rhizoctonia	Or	100 liters of water/hectare)	established. Do not apply Fosphite at intervals less than 3 days.
	A	1 to 4 quarts in a minimum of	Disease Control Program:
	Aerial Application	10 gallons of water/acre. (5 to 7 liters in a minimum of 75 liters of water/hectare.)	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 immediately prior to planting. (100 gallons is intended to treat the number of slips required to plant one acre).

			10 8 = 3
	Irrigation	Overhead: 2-4 quarts in at least 100 gallons of water. (7-9 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 Or Aerial Application	1 to 4 quarts in a minimum of 20 gallons of water/acre. (5 to 7 liters in minimum of 100 liters of water/hectare) 1 to 4 quarts in a minimum of 10 gallons of water/acre. (5 to 7 liters in a minimum of 75 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.
Pink Rot (Phytophthora erythroseptica) Late Blight (Phytophthora infestans)	Foliar Or Aerial Application	3 to 5 quarts in a minimum of 20 gallons of water/acre. (5 to 7 liters in minimum of 100 liters of water/hectare) *Note: I gallon container will not be sufficient for treating pink rot and late blight at the highest given application rate. An additional I gallon container or a larger container size will be necessary to achieve the maximum treatment rate.	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 (Phytophthora infestans)	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. (95-190 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.

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, Bougainvilles, Boxwood, Bushes, Cattleya skinneri, Cedars, Ceanothus, Cotoneaster, Cissus, Diffenbachia, Dogwood, Ferns, Ficus, Flowering Trees, Hibiscus, Hard Wood Trees, Holly, Home Lawns, Juniper, Magnolia Trees, Maple, Pines, Oaks, Palms, Peperomia, Photinia, Pittosporum, Philodendron, Pieris, Pothos, Red woods, 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

Pink Rot (Phytophthora erytrhoseptica)

19 8 33

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).

Disease	Application Method	Rate	Application Program
Phytophthora Fusarium Pythium Rhizoctonia Fire Blight (Erwinia amylor Bacterial Blight (Xanthomonas campestris) Geranium Wilt (Ralstonia spp.)		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)	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.
	Soil Drench	12-24 fluid ounce/100 gallon of water or 1/8 to ¼ 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 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 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.

20 8 33

Downy Mildew Powdery Mildew	

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.

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 Disease Prevention Program or Disease Control Program as stated above. Do not apply Fosphite at intervals less than 3 days.

Root Dip

Foliar Spray

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.

Disease	Application I	Method Rate	Application Program
Phytophthor Pythium Fusarium Rhizoctonia Fire Blight (Erwinia amylovora)		1 to 2 quarts/100 gallons was or 1/3 fluid ounce to 2/3 flu ounce/gallon of water. (2.5 liters/1000 liters water)	Apply lower rate at 2-4 week intervals
09/12/06	19	Amended December 12, 2005	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.

^{*} Check with your local Extension Agent if you are unsure these conditions exist.

	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 Spray	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.

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 Spray	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.	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. Do not apply Fosphite at intervals less than 3 days.
	Soil Drench	12-24 fluid ounce/100 gallons of water or 1/8 to ¼ 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.
(Phytophthora)	Root Dip	2 quarts/100 gallons of water (2/3 fluid ounce/gallon of water) 5 liters/1000 liters water	Apply as a pre-plant dip to the roots for 15-30 minutes. Plant within 24 hours after dipping.

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	Foliar Spray	2-3 fluid ounces/1,000 square feet. (50-90 milliliters/100 square meters)	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
Helminthosporium Alternaria Anthracnose		or	sprays have completely dried.
(Colletotrichum graminicola)		1 to 3 quarts/100 gallons of water/acre. (5 to 7 liters/1000 liters of water/hectare)	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.

STORAGE AND DISPOSAL

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

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

CONTAINER DISPOSAL: Do not reuse empty container. Triple rinse (or equivalent) and offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, keep out of smoke.

NOTICE TO BUYER

To the extent permitted by law, all conditions and warranties, and statutory or other rights of action which buyer or any other user may have against JH Biotech, Inc. or seller are hereby excluded. JH Biotech, Inc. Hereby gives notice to buyer and other users that it will not accept responsibility for any indirect or consequential loss arising from reliance on product information provided by JH Biotech, Inc. or on its behalf unless it is established that such information or advice was provided negligently and that the product has been used strictly as directed, JH Biotech, Inc.'s liability shall in all circumstances be limited to replacement of the product or a refund of the purchase price thereof.

24 7 33

SUBLABEL - COMMERCIAL PRODUCTS: FOR COMMERCIAL APPLICATORS SUBJECT TO WORKER PROTECTION STANDARD (TRUNK INJECTION ONLY)

FOSPHITE FUNGICIDE

A FUNGICIDE FOR THE CONTROL OF DOWNY MILDEW, PHYTOPHTHORA, PYTHIUM AND VARIOUS OTHER DISEASE ON AGRICULTURAL TREES, INDOOR AND OUTDOOR ORNAMENTALS, FORESTRY APPLICATIONS INCLUDING DOMESTIC TREES, CONIFERS, PINES, AND OAKS

ACTIVE INGREDIENTS: Mono- and dipotassium salts of Phosphorous Acid*539	%
OTHER INGREDIENTS:	%
TOTAL	%

^{*}Contains 6.22 lbs./gallon of active ingredients, mono- and dipotassium salts of Phosphorous Acid. Equivalent to 3.90 lbs. Phosphorous Acid/gallon.

KEEP OUT OF REACH OF CHILDREN

CAUTION

See side (or back) panel for First Aid and additional precautionary statements.

NET CONTENTS:

1 pint (0.473 liters)
1 quart (0.946 liters)

1 gallon (3.785 liters)
2 1/2 gallons (9.463 liters)
5 gallons (18.925 liters)

Bulk Containers (100 - 4000 gallons)

MANUFACTURED BY:

JH Biotech, Inc. 4951 Olivas Park Dr. Ventura, CA 93003 EPA Reg. No. 68573-2 EPA Est. No. 68573-CA001

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 -Hold eye 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 ey -Call a poison control center or doctor for treatment advice.	
	HOT LINE NUMBER
going for tre	ntainer or label with you when calling a poison control center or doctor, or atment. You may also contact the National Pesticide Information Center 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.

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.

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

FOSPHITE is a systemic fungicide for the prevention and treatment of downy mildew, Sudden Oak Death (*Phytophthora ramorum*), root rots (*Phytophthora spp.*), pythium and various other disease of agricultural trees, indoor and outdoor ornamentals, forestry applications including domestic trees, conifers, pines and oaks. This product may be applied up to the day of harvest.

COMPATIBILITY

Use only FOSPHITE alone when used as a trunk injection. To avoid undesirable phytoxicity, do not apply FOSPHITE to trees treated with other pesticides or copper based compounds at intervals less than 20 days, unless instructed to do so by your consultant.

GENERAL INSTRUCTIONS FOR APPLICATIONS

FOOD CROPS

FOSPHITE fungicide is used for control of Downy Mildew, Erwinia amylovora, Pythium, Fusarium, Rhizoctonia and Phytophthora diseases (such as purple blotch, late blight, blue mold, soft rot, root rot, brown rot, foot rot, crown/collar rot, canker, fruit/foliar rot, fire blight, heart rot, pink rot, pythium leak, red stele, leather rot, etc.) of agronomic crops. FOSPHITE may be applied to plants including:

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

Pome Fruits Crop Grouping: (Bearing and Non-Bearing) Apple, Crabapple, Loquat, Mayhaw, Pear, Quince.

Stone Fruits Crop Grouping: Apricot, Cherry, Nectarine, Peach, Plum, Plumcot and Prune.

Tree Nuts and Vines Crop Grouping: Almond, Beech nut Brazil nut, Butternut, Cashew, Chestnut, Chinquapin, Filbert, Grapes, Hickory nut, Macadamia nut, Pecan, Pistachio and Walnut.

ORNAMENTALS

FOSPHITE fungicide is used for control of Pythium, Downy Mildew, Phytophthora and various other diseases of ORNAMENTALS grown in commercial nurseries and greenhouses, golf courses, parks and commercial landscapes. Apply FOSPHITE to ornamental and landscape plants including: Boxwood, Cedars, Ceanothus, Dogwood, Ficus, Flowering Trees, Hard Wood Trees, Juniper, Magnolia Trees, Pines, Oaks, Palms, Photinia, Pieris, Red woods and Shrubs,

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 conifers that are under heat or moisture stress.

Disease	Application Method	Rate	Application Program
Phytophthora Fusarium Pythium Rhizoctonia Fire Blight (Erwinia amylovora) Bacterial Blight (Xanthomonas campe	Trunk Injection	3 teaspoons / linear yard of canopy width or 2 inches 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.

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.		
Container Disposal	Do not reuse empty container. Triple rinse (or equivalent) and offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by state and local authorities, by burning. If burned stay out of smoke.		

28 7 33

NOTICE TO BUYER

To the extent permitted by law, all conditions and warranties, and statutory or other rights of action which buyer or any other user may have against JH Biotech, Inc. or seller are hereby excluded. JH Biotech, Inc. Hereby gives notice to buyer and other users that it will not accept responsibility for any indirect or consequential loss arising from reliance on product information provided by JH Biotech, Inc. or on its behalf unless it is established that such information or advice was provided negligently and that the product has been used strictly as directed, JH Biotech, Inc.'s liability shall in all circumstances be limited to replacement of the product or a refund of the purchase price thereof.

29 2-33

SUBLABEL - HOUSEHOLD PRODUCTS: FOR NON-COMMERCIAL APPLICATORS (NOT SUBJECT TO WORKER PROTECTION STANDARD)

FOSPHITE FUNGICIDE

Fosphite is a systemic fungicide for the control of Downy mildew, Powdery Mildew, Phytophthora (such as Sudden Oak Death, Root Rot, Brown Rot), Pythium (Damping-off, Summer Stress) and various other diseases in garden plants, ornamental trees and plants, Phytophthora in conifers, pines and oaks and Pythium in turf.

ACTIVE INGREDIENTS: Mono- and dipotassium salts of Phosphorous Acid*)
OTHER INGREDIENTS:	6
TOTAL100%	Ď

^{*}Contains 6.22 lbs./gallon of active ingredients, mono- and dipotassium salts of Phosphorous Acid. Equivalent to 3.90 lbs. Phosphorous Acid/gallon.

KEEP OUT OF REACH OF CHILDREN

CAUTION

See side (or back) panel for First Aid and additional precautionary statements.

NET CONTENTS: 1 pint (0.473 liters)

1 quart (0.946 liters) 1 gallon (3.785 liters) 2 1/2 gallons (9.463 liters) 5 gallons (18.925 liters)

MANUFACTURED BY:

JH Biotech, Inc. 4951 Olivas Park Dr. Ventura, CA 93003 EPA Reg. No. 68573-2 EPA Est. No. 68573-CA001

30 2 33

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 Hold eye 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 eye. Call a poison control center or doctor for treatment advice. 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.

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.

- 1 pint (0.473 liters) makes 24 gallons of solution at maximum treatment rate.
- 1 quart (0.946 liters) makes 48 gallons of solution at maximum treatment rate.
- 1 gallon (3.785 liters) makes 192 gallons of solution at maximum treatment rate.
- 2 1/2 gallons (9.463 liters) makes 480 gallons of solution at maximum treatment rate.
- 5 gallons (18.925 liters) makes 960 gallons of solution at maximum treatment rate.

GENERAL APPLICATION INSTRUCTIONS

FOSPHITE is applied by various application methods, including foliar sprays, 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 the amount of FOSPHITE as indicated under the Rate portion of the table below.
- 3. Continue to fill the tank with water to the desired volume while agitating.
- 4. Continue agitation when applying.

This product may be applied up to the day of harvest.

INSTRUCTIONS FOR APPLICATIONS GARDEN CROPS, ORNAMENTALS, BEDDING PLANTS AND TREES (CONIFERS, OAKS, ETC.) & TURF

FOSPHITE fungicide is used for control of Pythium, Downy Mildew, Phytophthora (such as Sudden Oak Death, *Phytophthora ramorum*) and various other diseases (see list below) of ORNAMENTAL PLANTS AND TREES. Plants, which can be treated with FOSPHITE, include:

GARDEN CROPS

FOSPHITE fungicide is used for control of Downy Mildew, Powdery Mildew, Pythium, Phytophthora and various other diseases (such as purple blotch, late blight, blue mold, soft rot, root rot, brown rot, foot rot, crown/collar rot, canker, fruit/foliar rot, fire blight, heart rot, pink rot, pythium leak, red stele, leather rot, etc.) of garden crops. Apply FOSPHITE to plants including (but not limited to): Almond, Apple, Apricot, Artichoke, Asparagus, Avocado, Baby Lettuce, Banana, Beet, Blackberry, Blueberry, Broadbean, Cane Berries, Carrot, Cherry, Chestnut, Chilies, Cinchona, Cinnamon, Citrus, Cole Crops, Corn, Cranberry, Crucifers, Cucurbits, Dates, Dry Beans, Eggplant, Fresh beans, Garlic, Grapes, Kiwi, Lettuce, Lima Beans, Macadamía, Melons, Mint, Nectarine, Nut Crops, Nutmeg, Okra, Olive, Onion, Papaya, Peach, Peanut, Pear, Peas, Peppers, Pineapple, Plum, Pome Fruit, Potato, Prune, Raspberry, Rhubarb, Root crops, Rosemary, Spinach, Squash, Strawberry, String Beans, Stone Fruit, Sugarbeet, Sunflower, Tomato, Walnut.

BEDDING PLANTS, TREES & ORNAMENTALS

Ageratum, Algerian Ivy, Aglaonema, Alyssum, Anthurium, Aphelandra, Arborvitae, Artemisia, Ash, Aster, Azaleas, Baby's Breath, Begonia, Bougainvillea, Boxwood, Caladium, Carnation, Cattleya skinneri, Ceanothus, Chrysanthemum, Coleus, Columbine, Cotoneaster, Cissus, Daisy, Delphinium, Dieffenbachia, Dogwood, Easter Lily, English Ivy, Ficus, Firs, Foxglove, Gaillardia, Geranium, Gloxinia, Hibiscus, Impatiens, Japanese Holly, Juniper, Leather-leaf Fern, Magnolia, Maple, Marigold, Monterey Pine, Oaks, Pansy, Petunia, Peperomia, Philodendron, Phlox, Photinia, Pines, Pinks, Pittosporum, Pieris, Poinsettia, Pothos, Primrose, Prostrate Rosemary, Rhododendron, Roses, Salvia, Schefflera, Sedum, Sempervivum, Snapdragon, Spathiphyllum, Taxus media, Spruces, Sycamore, Verbena, Vinca, White Cedar, White Pine, Zinnia, Zygocactus, etc.

Make applications prior to disease development in conjunction with good cultural management practices. Use the higher rate when disease pressure is severe. Do not exceed the use rates or apply more frequently than the specified interval or plant injury can occur. 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 Fusarium Pythium Rhizoctonia Fire Blight (Erwinia amylovora)	Foliar Spray	1/3 fluid ounce to 2/3 fluid ounce/gallon of water. (2.5 - 5 milliliters/liter 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.
	Soil Drench	3-6 fluid ounce/25 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.
09/12/06 30	Am	ended December 12, 2005	Kevised by 1. Dullam

	Soil Incorporation	½ to 1 pint/½ cubic yard. (150-300 milliters/½ cubic meter)	Mix ½ to 1 pint 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.
	Root Dip	2/3 fluid ounce/gallon of water (5 milliliters/liter of water)	Dip transplants into diluted solution of Fosphite to thoroughly wet plant root mass immediately before transplanting. Keep roots submerged for 1 to 2 minutes.
Downy Mildew Powdery Mildew	Foliar Spray	1/3 fluid ounce to 2/3 fluid ounce/ gallon of water (2.5 - 5 milliliters/liter 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.

TURF

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. Begin preventative applications when conditions first favor disease and repeat at directed intervals. Use higher rates under severe disease conditions.

Disease	Application Method	Rate	Application Program
Pythium (Yellow Turf) Rhizoctonia Sclerotinia Helminthosporium Alternaria Anthracnose (Colletotrichum graminicola)	Foliar Spray	2-3 fluid ounces/1,000 square feet. (50-90 milliliters/100 square meters)	Apply amount in minimum of 2 gal. of water per 1,000 sq. ft. Apply at 7 to 21 day intervals as needed. Do not mow or irrigate treated areas until sprays have completely dried.

STORAGE AND DISPOSAL

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

PESTICIDE AND CONTAINER DISPOSAL: If empty: Do not reuse this container. Place in trash or offer for recycling if available. If partly filled: Call your local solid waste agency or 1-800-CLEANUP for disposal instructions. Never place unused products down any indoor or outdoor drain.

NOTICE TO BUYER

To the extent permitted by law, all conditions and warranties, and statutory or other rights of action which buyer or any other user may have against JH Biotech, Inc. or seller are hereby excluded. JH Biotech, Inc. Hereby gives notice to buyer and other users that it will not accept responsibility for any indirect or consequential loss arising from reliance on product information provided by JH Biotech, Inc. or on its behalf unless it is established that such information or advice was provided negligently and that the product has been used strictly as directed, JH Biotech, Inc.'s liability shall in all circumstances be limited to replacement of the product or a refund of the purchase price thereof.

32