

83472-1

11/13/2008

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

1/40

NOV 13 2008

Robert C. Ehn
Agent for Plant Protectants, LLC
R³ Ag Consulting LLC
1629 Pollasky, Suite 111
Clovis, CA 93612

Subject: Fungi-Phite Systemic Fungicide, EPA Reg. No: 83472-1
Application for label changes via Notification dated August 26, 2008

Dear Mr. Ehn:

Biopesticides and Pollution Prevention Division is in receipt of your application for label changes via Notification under PRN 98-10, dated above. The Agency acknowledges that this submission supercedes the notification submitted by Dr. Matthew Brooks on August 22, 2008. A screen of this request has been conducted for its applicability under PRN 98-10 and it has been determined that the actions requested fall 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.

Sincerely,

Linda Hollis

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

CONCURRENCES

SYMBOL	▶ 7511P							
SURNAME	▶ Fournier							
DATE	▶ 13 Nov 08							

ACCEPTED

MASTER LABEL

NOTIFICATION

NOV 13 2008

Date Reviewed: 13 Nov 08

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

FUNGI-PHITE™
Systemic Fungicide

Reviewed By: John Fournier, BPPB

83472-1

Sublabel A: Agricultural Uses

For use on Avocado, Bananas and Plantains, Berry Crops, Bulb Vegetable Crops, Brassica Crops, Cereal Grains, Citrus and Citrus Hybrids, Forage and Fiber Crops, Cucurbit Crops, Fruiting Vegetable Crops, Grapes, Herb and Spice Crops, Hops, Leafy Vegetable Crops, Legume Crops, Oil Crops, Pineapple, Pome Fruit Crops, Potatoes, Sweet Potatoes, Yams and other Root and Tuber Vegetable Crops, Stone Fruit Crops, Strawberry, Tobacco, Kiwi, Olives, and Tree Nut Crops, and other Miscellaneous Crops such as Asparagus, Cacao, Carambola, Coconut, Coffee, Corn, Eggplant, Guava, Longan, Mango Okra, Papaya, Lychee, Mangosteen, Persimmons, Purslane and Sugarcane.

Sublabel B: Turf and Ornamental Uses

For use on Roses, Other Ornamentals such as Annual and Perennial Flowers, Cut Flowers, Bedding Plants, Foliage Plants, Ground Covers, Deciduous and Evergreen Trees and Shrubs in the Field, Container and Conifer Nursery, Lath or Shade House, and Use in Greenhouse and Conifers in Commercial Nurseries, Landscape Trees, Plantations, and Forests, and Turf

Sublabel C: Agricultural Uses- Post Harvest Application

For use on Potatoes

ACTIVE INGREDIENTS:

Mono- and di-potassium salts of Phosphorous Acid*.....45.5%

OTHER INGREDIENTS.....54.5%

TOTAL.....100.0%

*Contains 5.41 lbs/gal of the active ingredients of Mono- and di-potassium salts of Phosphorous Acid

*Equivalent to 3.38 lbs/gal Phosphorous Acid

KEEP OUT OF REACH OF CHILDREN

CAUTION

EPA Reg. No. 83472-1

EPA Est. no. 73771-CA-1

NET CONTENTS: (various) 1 gallon, 2.5 gallon, 5 gallon

Manufactured For:
Plant Protectants, LLC
35801 Road 132
Visalia, CA 93292
Ph. 559-625-9255

Sub Label A – Agricultural Uses

FUNGI-PHITE™

A Systemic Fungicide for the Suppression and Control of
Phytophthora, Pythium and Downy Mildew

ACTIVE INGREDIENTS:

Mono- and di-potassium salts of Phosphorous Acid*45.5%

OTHER INGREDIENTS.....54.5%

TOTAL.....100.0%

*Contains 5.41 lbs/gal of the active ingredients of Mono- and di-potassium salts of Phosphorous Acid

*Equivalent to 3.38 lbs/gal Phosphorous Acid

KEEP OUT OF REACH OF CHILDREN

CAUTION

FIRST AID

If in eyes	<ul style="list-style-type: none"> • 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.
If on skin or clothing	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.

Hotline Number

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact the International Poison Center at 1-888-740-8712 for emergency medical treatment information.

See Back [Side] Panel for Precautionary Statements

EPA Reg. No. 83472-1

EPA Est. No. 73771-CA-1

Manufactured For:
Plant Protectants, LLC
35801 Road 132 –Visalia, CA 93292
Ph. 559-625-9255

Net Contents ___ gallons

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION. Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Harmful if absorbed through skin. Remove and wash contaminated clothing before reuse. Wear the appropriate Personal Protective Equipment (PPE).

PERSONAL PROTECTIVE EQUIPMENT (PPE)

All mixers, loaders, applicators and other handlers must wear:

- long-sleeved shirt and long pants
- waterproof gloves
- shoes plus socks
- protective eyewear

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

USERS SAFETY RECOMMENDATIONS

- 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. Wash the outside of gloves before removing.
- As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

Do not apply directly to water, or 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 washwater or rinsate.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons either directly or through drift. Only protected handlers to 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 (WPS), 40 CFR part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses and handlers of agricultural pesticides. It contains requirements for training, decontamination, notifications, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted entry interval (REI). The requirements in this box only apply to uses of this product that are covered by the WPS.

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

For early entry to treated areas that is permitted under the WPS and that involves contact with anything that has been treated, such as plants, soil, or water, wear coveralls, waterproof gloves, shoes and socks, and protective eyewear.

CHEMIGATION: Apply this product only through the following types of systems: sprinkler including center pivot, lateral move, end tow, side (wheel) roll, traveler, big gun, solid set, hand move, fanjet or micro-sprinkler; or drip (trickle) and hydroponic solutions. Do not apply this product through any other type of irrigation system.

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

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

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

A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

CHEMIGATION SYSTEMS CONNECTED TO PUBLIC WATER SYSTEMS:

Public water system means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year.

Chemigation systems connected to public water system must contain a functional, reduced pressure zone (RPZ) backflow preventer or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the flow outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.

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

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

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

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

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

Use a pesticide supply tank that is equipped with a means for continuous agitation either by recirculation or a mechanical agitator. Charge the supply tank with the appropriate amount of water and add the pesticide

slowly followed by any sticker-spreaders, insecticides, nutrients, etc. Observe all directions, cautions and limitations on the label of the product(s) being mixed.

For fixed position irrigation systems, apply the pesticide towards the end of the irrigation period. Exact timing will depend on the desired pesticide application rate and calibration of the system. Apply the pesticide continuously through irrigation systems that move and do not irrigate the same or fixed area during the irrigation cycle.

Complete the pesticide injection in sufficient time to allow the pesticide to be completely flushed out of the irrigation system before the system is shut down.

SPRINKLER CHEMIGATION: 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 closed, solenoid operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

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

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

Use a pesticide supply tank that is equipped with a means for continuous agitation either by recirculation or a mechanical agitator. Charge the supply tank with the appropriate amount of water and add the pesticide slowly followed by any sticker-spreaders, insecticides, nutrients, etc. Observe all directions, cautions and limitations on the label of the product(s) being mixed.

For fixed position irrigation systems, apply the pesticide towards the end of the irrigation period. Exact timing will depend on the desired pesticide application rate and calibration of the system. Apply the pesticide continuously through irrigation systems that move and do not irrigate the same (fixed) area during the irrigation cycle.

Complete the pesticide injection in sufficient time to allow the pesticide to be completely flushed out of the irrigation system before the system is shut down.

DRIP (TRICKLE) CHEMIGATION: 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 closed, solenoid operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

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

System 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.

Use a pesticide supply tank that is equipped with a means for continuous agitation either by recirculation or a mechanical agitator. Charge the supply tank with the appropriate amount of water and add the pesticide slowly followed by any sticker-spreaders, insecticides, nutrients, etc. Observe all directions, cautions and limitations on the label of the product(s) being mixed.

Apply the pesticide towards the end of the irrigation period. Exact timing will depend on the desired pesticide application rate and calibration of the system.

Complete the pesticide injection in sufficient time to allow the pesticide to be completely flushed out of the irrigation system before the system is shut down.

†GENERAL HYDROPONIC APPLICATION

General Root Rots (Pythium, Phytophthora)	For use with plants grown in recirculating hydroponic systems to aid in the control of pathogens.	Add 1-2 liters Fungi-Phite per 20,000 L nutrient solution.	Repeat every 4-6 weeks in summer and every eight weeks in winter. Depending on crop load and the water quality, the application time interval may be reduced.
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†Not registered for use in CA unless accompanied by a supplemental label

Note: For Recirculating (i.e. closed systems) use only. Do not remove reservoir water prior to harvest. Apply solid residue as fertilizer only at Fungi-Phite concentrations at or below those approved on this label for direct application.

AGRICULTURAL USE INSTRUCTIONS

GENERAL APPLICATION INSTRUCTIONS

Apply this product by various application methods, including foliar spray (aerial and ground), soil drench, soil incorporation and bare root dip. For foliar sprays, apply this product with sufficient water volumes for adequate coverage of foliage, according to crop and growth stage.

Make applications prior to disease development in conjunction with good cultural management practices. 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 make foliar applications to plants treated with copper-based compounds at less than 20 day intervals unless instructed to do so by your crop consultant. Allow foliage to dry completely after application. Do not apply when conditions favor wet tissue for prolonged periods (>4 hours).

MIXING INSTRUCTIONS

1. Fill the spray tank with $\frac{1}{2}$ to $\frac{3}{4}$ of the required volume of water before adding the product.
2. Add the product 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.

COMPATIBILITY

This product is compatible with most products used in agriculture. However, crop sensitivity to these mixtures may vary. If these combinations or others have not been previously used, do not tank mix without first testing the mixture's compatibility nor apply it without assessing its safety to the crop (Phytotoxicity).

The use of spray adjuvants (i.e. stickers, spreaders, wetting agents) will enhance this products performance. If an adjuvant is used with this product, test before use for compatibility. Do not use strongly acidifying compatibility agents.

To determine the compatibility of this product 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.

To determine if a combination is phytotoxic to a specific crop, spray a few plants/trees/vines, then evaluate 3-7 days later for visual effects.

AVOCADO

DISEASE	APPLICATION METHOD	APPLICATION RATE	APPLICATION PROGRAM
<i>Phytophthora citricola</i> (Canker)	Trunk Spray	Mix 1-2 quarts (1-2 L) in 5 gallons (20 L) of water. Add 0.25% wetting agent to the solution.	Apply to trunk lesions using enough spray volume to thoroughly wet the lesions. In the absence of lesions, apply to the trunk from the soil line to about two feet up the trunk. Use the higher rate when lesions are present. Apply one time in the Spring, Summer and Fall.
<i>Phytophthora cinnamomi</i>	Foliar Spray Aerial:	Apply 1-2 quarts/acre (2-5 L/ha) in a minimum of 20 gallons/acre (190 L/ha)	Apply up to 6 applications per year at 4-8 week intervals at the start of the growing season.

(Root Rot)	Ground:	of water. Apply 2 quarts/acre (5 L/ha) in a minimum of 100 gallons/acre (950 L/ha) of water.	
	Chemigation Low Volume:	Apply 2-3 quarts/acre (5-7 L/ha) in a minimum of 100 gallons/acre (950 L/ha) of water.	Apply one time in the Spring, Summer and Fall.
	Trunk Injection	Mix a 15% v/v solution (20 fl oz/gallon or 150 ml/liter).	Inject (according to injection equipment instructions) 0.5 fl oz (15 ml) of the diluted Fungi-Phite solution into one injection hole. Dosage: One injection (1) per yard (or meter) of canopy diameter at the drip line. (i.e. a tree with 6 yards (or meters) of canopy diameter will require 6 injections via 6 separate injection holes). Curative: Inject 2 times per year in the Spring and Fall. Preventative: Inject 1 time in the Spring.
†Powdery Mildew Downy Mildew suppression.	Foliar Spray Ground:	Apply 1.5 quarts/acre (3.5 L/ha) in a minimum of 100 gallons/acre (950 L/ha) of water.	Apply at the first onset of the disease and repeat at 7-10 day intervals until disease abatement.

†Not registered for use in CA unless accompanied by a supplemental label

BANANA (Except California)

DISEASE	APPLICATION METHOD	APPLICATION RATE	APPLICATION PROGRAM
Suppression** of Root Rot Complex and Sigatoka	Foliar Spray Aerial:	Apply 1-2 quarts/acre (2.5-5 L/ha). At the low rate, use 3 gallons/acre (25 L/ha) of water and at the high rate, use 6 gallons/acre (50 L/ha) of water.	Apply every 4 weeks as needed.
	Ground:	Apply 1-2 quarts/acre (2-5 L/ha) in a minimum of 15 gallons/acre (150 L/ha) of water.	
	Trunk Injection	Mix a 3.75% v/v solution (1.5 quarts/10 gallons of water or 3 L/100 L of water).	Inject 40 ml of the diluted product (according to injection equipment instructions) into the pseudostem, 1-1.5 m above the ground, Timing: Inject at the onset of flowering into the mother plant. And again into the primary sucker when or close to the mother plant is harvested.
	Chemigation	Apply 2-3 quarts/acre (5-7 L/ha) in at least 100 gallons/acre (1,000 L/ha) of water.	Apply 4 times per year.
Suppression** of Bunch Diseases	Foliar Spray of Bunches	Mix a 0.3% v/v spray solution (4 fl oz/10 gallons of water or 300 ml/L of water).	Apply a full cover spray to the fruit bunches when the flower rachis are fully expanded (approximately at bunch cover) and again 14 days later.

BERRY CROPS, such as:

Blackberry, Bingberry, Black Satin Berry, Boysenberry, Cherokee Blackberry, Blueberry, Chesterberry, Cheyenne Blackberry, Coryberry, Darrowberry, Dewberry, Dirksen Thornless Berry, Elderberry, Himalayaberry, Hullberry, Lavacaberry, Loganberry, Lowberry, Lucretiaberry, Mammoth Blackberry, Marionberry, Nectarberry, Olallieberry, Oregon Evergreen Berry, Mulberry, Huckleberry, Cranberry, Youngberry, Boysenberry, and Raspberry.

DISEASE	APPLICATION METHOD	APPLICATION RATE	APPLICATION PROGRAM
<i>Phytophthora</i> and <i>Pythium</i> sp	Foliar Spray Aerial:	Apply 1-1.5 quarts/acre (2-3.5 L/ha) in a minimum of 20 gallons/acre (190 L/ha) of water.	Begin applications in the Spring after bud break (1-3 inches of new growth) and when conditions favor disease development. Disease Prevention/Low Pressure Program* : Apply lower rate at 2-3 week intervals. Do not apply more
	Ground:	Apply 1-2 quarts/acre (2-5 L/ha) in a	

		minimum of 100 gallons/acre (950 L/ha) of water.	than 6 times per crop cycle. Disease Control/High Pressure Program* : Apply higher rate at 1-2 week intervals. Do not apply more than 6 times per crop cycle.
	Root Dip	Mix a 2.50% v/v solution (1.5 quarts/10 gallons of water or 2.5 L/100 L of water).	Apply as pre-plant dip to the roots for 2-3 minutes. Plant within 48 hours after dipping. Mix a fresh solution daily.
	Chemigation Overhead:	Apply 1-2 quarts/acre (2-5 L/ha) in a minimum of 1,000 gallons/acre (9,350 L/ha) of water.	Apply with normal irrigation schedule. Follow Disease Programs* as stated above. Do not apply more than 4 times per crop cycle.
	Low Volume:	Apply 2-3 quarts/acre (5-7 L/ha) in a minimum of 100 gallons/acre (950 L/ha) of water.	
Downy Mildew	Foliar Spray Aerial:	Apply 1-1.5 quarts/acre (2-3.5 L/ha) in a minimum of 20 gallons/acre (190 L/ha) of water.	Low Disease Pressure* : Apply lower rate at the first onset of the disease. Repeat applications at 1-2 week intervals. Do not apply more than 6 times per crop cycle. High Disease Pressure* : Apply higher rate at the first onset of the disease. Repeat applications at 7-10 day intervals. Do not apply more than 6 times per crop cycle.
	Ground:	Apply 1-2 quarts/acre (2-5 L/ha) in a minimum of 100 gallons/acre (950 L/ha) of water.	
Suppression** of general leaf and berry diseases such as those caused by Septoria spp and Anthracnose spp.	Foliar Spray Aerial:	Apply 1-1.5 quarts/acre (2-3.5 L/ha) in a minimum of 20 gallons/acre (190 L/ha) of water.	Low Disease Pressure* : Apply lower rate at the first onset of the disease. Repeat applications at 1-2 week intervals. Do not apply more than 6 times per crop cycle. High Disease Pressure* : Apply higher rate at the first onset of the disease. Repeat applications at 7-10 day intervals. Do not apply more than 6 times per crop cycle. Ideally Fungi-Phite is best used in combination with conventional registered fungicides to increase the performance of the disease control program.
	Ground:	Apply 1-2 quarts/acre (2-5 L/ha) in a minimum of 100 gallons/acre (950 L/ha) of water.	

BULB VEGETABLE CROPS, such as:

Garlic, Leek, Onion (dry bulb and green), Onion (Welch) and Shallot.

DISEASE	APPLICATION METHOD	APPLICATION RATE	APPLICATION PROGRAM
<i>Phytophthora</i> and <i>Pythium</i> sp Suppression** of †Bacterial Diseases	Foliar Spray Aerial	Apply 1-1.5 quarts/acre (2-3.5 L/ha) in a minimum of 10 gallons/acre (95 L/ha) of water.	Begin applications after plants are established and conditions favor disease development. Disease Prevention/Low Pressure Program* : Apply lower rate at 1-2 week intervals. Do not apply more than 6 times per crop cycle. Disease Control/High Pressure Program* : Apply higher rate at 1-2 week intervals. Do not apply more than 6 times per crop cycle.
	Ground:	Apply 1-1.5 quarts/acre (2-3.5 L/ha) in a minimum of 30 gallons/acre (280 L/ha) of water.	
	Transplant /Furrow Application	Apply 3 pints at planting or to newly planted seedling by side dressing or shank application.	
	Chemigation Overhead:	Apply 1-2 quarts/acre (2-5 L/ha) in a minimum of 1,000 gallons/acre (9,350 L/ha) of water.	
	Low Volume:	Apply 2-3 quarts/acre (5-7 L/ha) in a minimum of 100 gallons/acre (950 L/ha) of water.	

Downy Mildew	Foliar Spray Aerial:	Apply 1-1.5 quarts/acre (2-3.5 L/ha) in a minimum of 10 gallons/acre (95 L/ha) of water.	<p>Low Disease Pressure*: Apply lower rate at the first onset of the disease. Repeat applications at 10-14 day intervals. Do not apply more than 6 times per crop cycle.</p> <p>High Disease Pressure*: Apply higher rate at the first onset of the disease. Repeat applications at 7-10 day intervals. Do not apply more than 6 times per crop cycle.</p>
	Ground:	Apply 1-2 quarts/acre (2-5 L/ha) in a minimum of 30 gallons/acre (280 L/ha) of water.	

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BRASSICA CROPS, such as:

Broccoli, Broccoli Raab (Rapini), Brussels Sprouts, Cabbage, Chinese Broccoli (Gai Lon), Chinese Cabbage (Bok Choy), Chinese Cabbage (Napa), Chinese Mustard Cabbage (Ga Choy), Cauliflower, Cavalo Broccolo, Collards, Kale, Kohlrabi, Mizunna, Mustard Greens, Mustard Spinach and Rape Greens.

DISEASE	APPLICATION METHOD	APPLICATION RATE	APPLICATION PROGRAM
<p><i>Phytophthora</i> and <i>Pythium</i> sp (root rots and damping off)</p> <p>Suppression** of †Bacterial Diseases</p>	Foliar Spray Aerial:	Apply 1-1.5 quarts/acre (2-3.5 L/ha) in a minimum of 10 gallons/acre (95 L/ha) of water.	<p>Begin applications after plants are established and conditions favor disease development.</p> <p>Disease Prevention/Low Pressure Program*: Apply lower rate at 1-2 week intervals. Do not apply more than 6 times per crop cycle.</p> <p>Disease Control/High Pressure Program*: Apply higher rate at 7-10 day intervals. Do not apply more than 6 times per crop cycle.</p>
	Ground:	Apply 1-2 quarts/acre (2-5 L/ha) in a minimum of 30 gallons/acre (280 L/ha) of water.	
	Pre Plant Seedling Nursery treatment	Apply 1 qt/100 gallons water to nursery plants in seedling trays 1-7 days prior to out planting.	
	Transplant/Furrow application	Apply 3 pints at planting or to newly planted seedling by side dressing or shank application.	
	Chemigation Overhead:	Apply 1-2 quarts/acre (2-5 L/ha) in a minimum of 1,000 gallons/acre (9,350 L/ha) of water.	
	Low Volume:	Apply 2-3 quarts/acre (5-7 L/ha) in a minimum of 100 gallons/acre (950 L/ha) of water.	Apply with normal irrigation schedule. Follow Disease Programs* as stated above. Do not apply more than 6 times per crop cycle.
Downy Mildew	Foliar Spray Aerial:	Apply 1-1.5 quarts/acre (2-3.5 L/ha) in a minimum of 10 gallons/acre (95 L/ha) of water.	<p>Low Disease Pressure*: Apply lower rate at the first onset of the disease. Repeat applications at 1-2 week intervals. Do not apply more than 6 times per crop cycle.</p> <p>High Disease Pressure*: Apply higher rate at the first onset of the disease. Repeat applications at 7-10 day intervals. Do not apply more than 6 times per crop cycle.</p>
	Ground:	Apply 1-2 quarts/acre (2-5 L/ha) in a minimum of 30 gallons/acre (280 L/ha) of water.	
Suppression of leaf diseases caused by Septoria, Collectotrichum, Alternaria and †Powdery Mildew	Foliar Spray Aerial:	Apply 1-1.5 quarts/acre (2-3.5 L/ha) in a minimum of 10 gallons/acre (95 L/ha) of water.	<p>Low Disease Pressure*: Apply lower rate at the first onset of the disease. Repeat applications at 1-2 week intervals. Do not apply more than 6 times per crop cycle.</p> <p>High Disease Pressure*: Apply higher rate at the first onset of the disease. Repeat applications at 7-10 day intervals. Do not apply more than 6 times per crop cycle.</p>
	Ground:	Apply 1-2 quarts/acre (2-5 L/ha) in a minimum of 30 gallons/acre (280 L/ha) of water.	

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CEREAL GRAINS, FORAGE AND FIBER CROPS, such as:

Alfalfa, Barley, Buckwheat, Clover (all types), Corn (all types), Cotton, Hay, Kudzu, Lespedeza, Lupin, Millet, Oats, Popcorn, Rice, Rye, Sainfoin, Sorghum, Sugarcane, Teosinte, Trefoil, Triticale, Vetch, Wheat and Wild Rice.

DISEASE	APPLICATION METHOD	APPLICATION RATE	APPLICATION PROGRAM
<i>Phytophthora</i> and <i>Pythium</i> sp	Foliar Spray Aerial:	Apply 0.5-1.5 quarts/acre (1-3.5 L/ha) in a minimum of 15 gallons/acre (140 L/ha) of water.	Begin application after plants are established and conditions favor disease development. Disease Prevention/Low Pressure Program*: Apply lower rate at 2-4 week intervals. Do not apply more than 6 times per crop cycle. Disease Control/High Pressure Program*: Apply higher rate at 1-2 week intervals. Do not apply more than 6 times per crop cycle.
	Ground:	Apply 0.5-2 quarts/acre (1-5 L/ha) in a minimum of 100 gallons/acre (950 L/ha) of water.	
† Suppression** of <i>Fusarium</i> , <i>Rhizoctonia</i> and Head Diseases	Chemigation Overhead:	Apply 2-4 quarts/acre (5-9 L/ha) in a minimum of 1,000 gallons/acre (9,350 L/ha) of water.	Apply with normal irrigation schedule. Follow Disease Programs* as stated above. Do not apply more than 6 times per crop cycle.
	Low Volume:	Apply 2-4 quarts/acre (5-9 L/ha) in a minimum of 100 gallons/acre (950 L/ha) of water.	
Downy Mildew	Foliar Spray Aerial:	Apply 0.5-1.5 quarts/acre (1-3.5 L/ha) in a minimum of 15 gallons/acre (140 L/ha) of water.	Low Disease Pressure*: Apply lower rate at the first onset of the disease. Repeat applications at 1-2 week intervals. Do not apply more than 6 times per crop cycle. High Disease Pressure*: Apply higher rate at the first onset of the disease. Repeat applications at 7-10 day intervals. Do not apply more than 6 times per crop cycle.
	Ground:	Apply 0.5-2 quarts/acre (1-5 L/ha) in a minimum of 100 gallons/acre (950 L/ha) of water.	
Suppression** of †Powdery Mildew	Foliar Spray Aerial:	Apply 0.5-1.5 quarts/acre (1-3.5 L/ha) in a minimum of 15 gallons/acre (140 L/ha) of water.	Low Disease Pressure*: Apply lower rate at the first onset of the disease. Repeat applications at 1-2 week intervals. Do not apply more than 6 times per crop cycle. High Disease Pressure*: Apply higher rate at the first onset of the disease. Repeat applications at 7-10 day intervals. Do not apply more than 6 times per crop cycle.
	Ground:	Apply 0.5-2 quarts/acre (1-5 L/ha) in a minimum of 100 gallons/acre (950 L/ha) of water.	

†Not registered for use in CA unless accompanied by a supplemental label

CITRUS CROPS, such as:

Calamondin, Citrus Citron, Citrus Hybrids, Clementines, Grapefruit, Kumquat, Lemon, Lime, Mandarin, Orange (Sour), Orange (Sweet), Pummelo and Satsuma Mandarin.

DISEASE	APPLICATION METHOD	APPLICATION RATE	APPLICATION PROGRAM
Root, Trunk and Crown rots <i>Phytophthora</i> sp	Foliar Spray Aerial:	Apply 2 quarts/acre (5 L/ha) in a minimum of 15 gallons/acre (140 L/ha) of water.	Apply 3-4 times per year during the Spring, Summer, and Fall when conditions favor disease development.
	Ground:	Apply 2 quarts/acre (5 L/ha) in a minimum of 100 gallons/acre (950 L/ha) of water.	
	Chemigation Low Volume:	Apply 2-3 quarts/acre (5-7 L/ha) in a minimum of 100 gallons/acre (950 L/ha) of water.	Apply with normal irrigation schedule. Follow Foliar Spray APPLICATION PROGRAM as stated above. Do not apply more than 4 times per crop cycle.
	Trunk and Scaffold Branches Spray	Mix 1-2 quarts (1-2 L) in 5 gallons (20 L) of water and apply with a wetting agent or adjuvant on and around the affected area.	Use higher rates when lesions are present. Clean the wound site and apply on and around the lesions using enough spray volume to thoroughly wet the lesions. In the absence of lesions, use the lower rate and apply to the trunk from the soil line to 2 feet up the trunk. Apply

			in Spring, Summer, and Fall.
† Suppression** of Pre-Harvest Blue and Green Mold & Brown rot (<i>Phytophthora citricola</i>)	Foliar Spray Ground:	Apply 2 quarts/acre (5 L/ha) in a minimum of 100 gallons/acre (950 L/ha) of water.	Apply 2-4 weeks prior to harvest. Ensure that fruit is thoroughly covered by the spray application.

†Not registered for use in CA unless accompanied by a supplemental label

COCONUTS

DISEASE	APPLICATION METHOD	APPLICATION RATE	APPLICATION PROGRAM
Bud Rot, Trunk cankers and root rot (<i>Phytophthora</i> and <i>Pythium</i> spp). <i>Phytophthora</i>	Soil Drench:	Apply 100 ml of a 3% v/v solution in a 1 foot (0.3 M) swath around the base of each tree.	Curative: Apply every 3 months Preventative: Apply once per year.
	Stem Injection:	Mix a 15% v/v solution (20 fl oz/gallon or 150 ml/liter).	Inject (according to injection equipment instructions) 0.5 fl oz (15 ml) of the diluted Fungi-Phite solution into the tree trunk Curative: Inject 2 times per year in the Spring and Fall. Preventative: Inject 1 time in the Spring.

CUCURBIT CROPS, such as:

Chinese Waxgourd, Citron Melon, Cucumber, Gherkin, Gourd (edible), Momordica spp. (Balsam Apple, Balsam Pear, Biter Melon, Chinese Cucumber), Muskmelon, Pumpkin, Summer and Winter Squash and Watermelon.

DISEASE	APPLICATION METHOD	APPLICATION RATE	APPLICATION PROGRAM
<i>Phytophthora</i> and <i>Pythium</i> sp (root rots and damping off)	Foliar Spray Aerial:	Apply 1-1.5 quarts/acre (2-3.5 L/ha) in a minimum of 10 gallons/acre (95 L/ha) of water.	Begin applications after plants are established and conditions favor disease development. Disease Prevention/Low Pressure Program*: Apply lower rate at 1-2 week intervals. Do not apply more than 6 times per crop cycle. Disease Control/High Pressure Program*: Apply higher rate at 7-10 day intervals. Do not apply more than 6 times per crop cycle.
	Ground:	Apply 1-2 quarts/acre (2-5 L/ha) in a minimum of 30 gallons/acre (280 L/ha) of water.	
	Pre-plant Seedling Nursery application	Apply 1 qt/100 gallons water to nursery plants in seedling trays 1-7 days prior to out planting.	
	Transplant and Furrow Application	Apply 3 pints at planting or to newly planted seedling by side dressing or shank application	
	Chemigation Overhead:	Apply 1-2 quarts/acre (2-5 L/ha) in a minimum of 1,000 gallons/acre (9,350 L/ha) of water.	
	Low Volume:	Apply 2-3 quarts/acre (5-7 L/ha) in a minimum of 100 gallons/acre (950 L/ha) of water.	Apply with normal irrigation schedule. Follow Disease Programs* as stated above. Do not apply more than 6 times per crop cycle.

Downy Mildew	Foliar Spray Aerial:	Apply 1-1.5 quarts/acre (2-3.5 L/ha) in a minimum of 10 gallons/acre (95 L/ha) of water.	<p>Low Disease Pressure*: Apply lower rate at the first onset of the disease. Repeat applications at 1-2 week intervals. Do not apply more than 6 times per crop cycle.</p> <p>High Disease Pressure*: Apply higher rate at the first onset of the disease. Repeat applications at 7-10 day intervals. Do not apply more than 6 times per crop cycle.</p>
	Ground:	Apply 1-2 quarts/acre (2-5 L/ha) in a minimum of 30 gallons/acre (280 L/ha) of water.	
		Fungi-Phite is most effectively applied to control downy mildew when tank mixed with other registered fungicides.	
†Suppression** of Powdery Mildew and other leaf diseases such as Anthracnose and Alternaria leaf blight	Foliar Spray Aerial:	Apply 1-1.5 quarts/acre (2-3.5 L/ha) in a minimum of 10 gallons/acre (95 L/ha) of water.	<p>Low Disease Pressure*: Apply lower rate at the first onset of the disease. Repeat applications at 1-2 week intervals. Do not apply more than 6 times per crop cycle.</p> <p>High Disease Pressure*: Apply higher rate at the first onset of the disease. Repeat applications at 7-10 day intervals. Do not apply more than 6 times per crop cycle.</p>
	Ground:	Apply 1-2 quarts/acre (2-5 L/ha) in a minimum of 30 gallons/acre (280 L/ha) of water.	

†Not registered for use in CA unless accompanied by a supplemental label

FRUITING VEGETABLE CROPS (Except Cucurbits), such as:

Pepino, Pepper (Bell, Chili, Cooking, Pimento, Sweet), Tomatillo, Tomato and Eggplant.

DISEASE	APPLICATION METHOD	APPLICATION RATE	APPLICATION PROGRAM
†Suppression** of Bacterial Diseases	Foliar Spray Aerial:	Apply 1-1.5 quarts/acre (2-3.5 L/ha) in a minimum of 10 gallons/acre (95 L/ha) of water.	<p>Begin applications after plants are established and conditions favor disease development.</p> <p>Disease Prevention/Low Pressure Program*: Apply lower rate at 1-2 week intervals. Do not apply more than 6 times per crop cycle.</p> <p>Disease Control/High Pressure Program*: Apply higher rate at 7-10 day intervals. Do not apply more than 6 times per crop cycle.</p> <p>For control of Bacterial leaf spot of Tomato, apply the high rate of Fungi-Phite with registered bacteriacides.</p> <p>Apply with normal irrigation schedule. Follow Disease Programs* as stated above. Do not apply more than 6 times per crop cycle.</p>
	Ground:	Apply 1-2.5 quarts/acre (2-7 L/ha) in a minimum of 30 gallons/acre (280 L/ha) of water.	
	Pre-plant seedling nursery application	Apply 1 qt/100 gallons water to nursery plants in seedling trays 1-7 days prior to out planting.	
	Transplant/Furrow Application	Apply 3 pints at planting or to newly planted seedling by side dressing or shank application	
	Chemigation Overhead:	Apply 1-2 quarts/acre (2-5 L/ha) in a minimum of 1,000 gallons/acre (9,350 L/ha) of water.	
	Low Volume:	Apply 2-3 quarts/acre (5-7 L/ha) in a minimum of 100 gallons/acre (950 L/ha) of water.	
Downy Mildew	Foliar Spray Aerial:	Apply 1-1.5 quarts/acre (2-3.5 L/ha) in a minimum of 10 gallons/acre (95 L/ha) of water.	<p>Low Disease Pressure*: Apply lower rate at the first onset of the disease. Repeat applications at 1-2 week intervals. Do not apply more than 6 times per crop cycle.</p> <p>High Disease Pressure*: Apply higher rate at the first onset of the disease. Repeat applications at 7-10 day intervals. Do not apply more than 6 times per crop cycle.</p>
	Ground:	Apply 1-2 quarts/acre (2-5 L/ha) in a minimum of 30 gallons/acre (280 L/ha) of water.	

		water.	intervals. Do not apply more than 6 times per crop cycle.
†Suppression** of Powdery Mildew and other leaf diseases such as Anthracnose and Alternaria leaf blight	Foliar Spray Aerial:	Apply 1-1.5 quarts/acre (2-3.5 L/ha) in a minimum of 10 gallons/acre (95 L/ha) of water.	Low Disease Pressure* : Apply lower rate at the first onset of the disease. Repeat applications at 1-2 week intervals. Do not apply more than 6 times per crop cycle.
	Ground:	Apply 1-2 quarts/acre (2-5 L/ha) in a minimum of 30 gallons/acre (280 L/ha) of water.	High Disease Pressure* : Apply higher rate at the first onset of the disease. Repeat applications at 7-10 day intervals. Do not apply more than 6 times per crop cycle.

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GRAPES

DISEASE	APPLICATION METHOD	APPLICATION RATE	APPLICATION PROGRAM
Phytophthora and Pythium root rots	Foliar Spray Aerial:	Apply 1-1.5 quarts/acre (2-3.5 L/ha) in a minimum of 15 gallons/acre (140 L/ha) of water.	Apply to vines that have stressed root system that can lead to root rots. Mitigating factors such as nematode pressure, water logging and compaction contribute to vine declines.
	Ground:	Apply 1-2 quarts/acre (2-5 L/ha) in a minimum of 50 gallons/acre (470 L/ha) of water.	Table Grapes: Begin applications in the Spring at the 4-6 inch shoot stage. Continue applications at 1-2 week intervals until flowering. Resume applications in the Fall after harvest. Do not apply more than 4 times per crop cycle. Wine and Raisin Grapes: Begin applications in the Spring at the 4-6 inch shoot stage. Continue applications at 1-2 week intervals through flowering. Do not apply more than 4 times per crop cycle.
	Chemigation Low Volume:	Apply 2 quarts/acre (5 L/ha) in a minimum of 100 gallons/acre (950 L/ha) of water.	Apply 4-6 times per crop cycle.
Downy Mildew	Foliar Spray Aerial:	Apply 1.5-2 quarts/acre (2-3.5 L/ha) in a minimum of 15 gallons/acre (140 L/ha) of water.	Begin applications at bud break with additional applications made at 7-10 day intervals in rotational programs with other labeled fungicides. Use higher rates and volumes based on disease severity and density of canopy. Do not apply more than 6 times per crop cycle.
	Ground:	Apply 1.2-2 quarts/acre (2-5 L/ha) in a minimum of 50 gallons/acre (470 L/ha) of water. Fungi-Phite is most effectively applied to control downy mildew when tank mixed with other registered fungicides.	
†Suppression** of Powdery Mildew.	Foliar Spray Aerial:	Apply 1.5-2 quarts/acre (3.5-5 L/ha) in a minimum of 10 gallons/acre (95 L/ha) of water.	Low Disease Pressure* : Apply lower rate at the first onset of the disease. Repeat applications at 1-2 week intervals. Do not apply more than 6 times per crop cycle.
	Ground:	Apply 1.5-2 quarts/acre (3.5-5 L/ha) in a minimum of 30 gallons/acre (280 L/ha) of water.	High Disease Pressure* : Apply higher rate at the first onset of the disease. Repeat applications at 7-10 day intervals. Do not apply more than 6 times per crop cycle.

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HERB AND SPICE CROPS, such as:

Allspice, Angelica, Anise, Annatto, Balm, Basil, Borage, Burnet, Chamomile, 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, Ginseng, Grains of Paradise, Horehound, Horseradish, 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, Wasabi, Wintergreen, Woodruff and Wormwood.

DISEASE	APPLICATION METHOD	APPLICATION RATE	APPLICATION PROGRAM
Root rots and Damping off (Phytophthora and Pythium sp) †Suppression** of Fusarium and Rhizoctonia	Foliar Spray Aerial:	Apply 1-1.5 quarts/acre (2-3.5 L/ha) in a minimum of 10 gallons/acre (95 L/ha) of water.	Begin application after plants are established and conditions favor disease development. Disease Prevention/Low Pressure Program* : Apply lower rate at 1-2 week intervals. Do not apply more than 6 times per crop cycle. Disease Control/High Pressure Program* : Apply higher rate at 7-10 day intervals. Do not apply more than 6 times per crop cycle.
	Ground:	Apply 1-2 quarts/acre (2-5 L/ha) in a minimum of 30 gallons/acre (280 L/ha) of water.	
	Pre-plant nursery treatment	Apply 1 qt/100 gallons water to nursery plants in seedling trays 1-7 days prior to out planting.	
	Transplant/Furrow application.	Apply 3 pints at planting or to newly planted seedling by side dressing or shank application.	
	Chemigation Overhead:	Apply 2-3 quarts/acre (5-7 L/ha) in a minimum of 1,000 gallons/acre (9,350 L/ha) of water.	
	Low Volume:	Apply 2-3 quarts/acre (5-7 L/ha) in a minimum of 100 gallons/acre (950 L/ha) of water.	Apply with normal irrigation schedule. Follow Disease Programs* as stated above. Do not apply more than 6 times per crop cycle.
Downy Mildew	Foliar Spray Aerial:	Apply 1-1.5 /acre (95 L/ha) of water.	Low Disease Pressure* : Apply lower rate at the first onset of the disease. Repeat applications at 1-2 week intervals. Do not apply more than 6 times per crop cycle. High Disease Pressure* : Apply higher rate at the first onset of the disease. Repeat applications at 7-10 day intervals. Do not apply more than 6 times per crop cycle.
	Ground:	Apply 1-2 quarts/acre (2-5 L/ha) in a minimum of 30 gallons/acre (280 L/ha) of water.	
†Suppression** of Powdery Mildew	Foliar Spray Aerial:	Apply 1.5-2 quarts/acre (3.5-5 L/ha) in a minimum of 10 gallons/acre (95 L/ha) of water.	Low Disease Pressure* : Apply lower rate at the first onset of the disease. Repeat applications at 1-2 week intervals. Do not apply more than 6 times per crop cycle. High Disease Pressure* : Apply higher rate at the first onset of the disease. Repeat applications at 7-10 day intervals. Do not apply more than 6 times per crop cycle.
	Ground:	Apply 1.5-2 quarts/acre (3.5-5 L/ha) in a minimum of 30 gallons/acre (280 L/ha) of water.	

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HOPS (Except California)

DISEASE	APPLICATION METHOD	APPLICATION RATE	APPLICATION PROGRAM
Downy Mildew	Foliar Spray Aerial:	Apply 1-1.5 quarts/acre (2-3.5 L/ha) in a minimum of 10 gallons/acre (95 L/ha) of water.	Make applications during favorable disease development conditions; 1) when shoots are 6-12 inches high; 2) after training when vines are 5-6 feet tall; 3) about 3 weeks after the second application; and 4) during bloom. During periods of high disease pressure, apply at 7-10 day intervals until disease abatement. Do not apply more than 6 applications per season.
	Ground:	Apply 1-2 quarts/acre (2-5 L/ha) in a minimum of 25 gallons/acre (235 L/ha) of water.	

LEAFY VEGETABLE CROPS (Except Brassica Vegetables), such as:

Amaranth, Arugula (Roquette), Cardoon, Celery, Celery (Chinese), Celtuce, Chervil, Chrysanthemum (Edible Leaved, Garland), Corn Salad, Cress (Garden, Upland), Dandelion, Dock (Sorrel), Endive (Escarole), Fennel (Florence), Lettuce (Head and Leaf), Orach, Parsley, Purslane (Garden and Winter), Radicchio (Red Chicory), Rhubarb, Spinach, Spinach (New Zealand and Vine) and Swiss Chard.

DISEASE	APPLICATION METHOD	APPLICATION RATE	APPLICATION PROGRAM
Damping off and root rots (<i>Phytophthora</i> and <i>Pythium</i> sp)	Foliar Spray Aerial:	Apply 1-2 quarts/acre (2-5 L/ha) in a minimum of 10 gallons/acre (95 L/ha) of water.	Begin application after plants are established and conditions favor disease development. Disease Prevention/Low Pressure Program* : Apply lower rate at 1-2 week intervals. Do not apply more than 6 times per crop cycle. Disease Control/High Pressure Program* : Apply higher rate at 7-10 day intervals. Do not apply more than 6 times per crop cycle.
	Ground:	Apply 1-2 quarts/acre (2-5 L/ha) in a minimum of 30 gallons/acre (280 L/ha) of water.	
	Pre-plant Nursery application	Apply 1 qt/100 gallons water to nursery plants in seedling trays 1-7 days prior to out planting.	
	Chemigation Overhead:	Apply 1-2 quarts/acre (2-5 L/ha) in a minimum of 1,000 gallons/acre (9,350 L/ha) of water.	
	Low Volume:	Apply 1-2 quarts/acre (2-5 L/ha) in a minimum of 100 gallons/acre (950 L/ha) of water.	Apply with normal irrigation schedule. Follow Disease Programs* as stated above. Do not apply more than 6 times per crop cycle.
	Transplant/Furrow application	Apply 3 pints at planting.	
Downy Mildew	Foliar Spray Aerial:	Apply 1-2 quarts/acre (2-5 L/ha) in a minimum of 10 gallons/acre (95 L/ha) of water.	Low Disease Pressure* : Apply lower rate at the first onset of the disease. Repeat applications at 1-2 week intervals. Do not apply more than 6 times per crop cycle. High Disease Pressure* : Apply higher rate at the first onset of the disease. Repeat applications at 7-10 day intervals. Do not apply more than 6 times per crop cycle.
	Ground:	Apply 1-2 quarts/acre (2-5 L/ha) in a minimum of 30 gallons/acre (280 L/ha) of water.	
† Suppression** of Powdery Mildew and leaf diseases such as anthracnose (<i>Collectotrichum</i> spp), leaf blights (<i>septoria</i> & <i>Cercospora</i> spp) and bacterial rots (<i>Erwinia</i> spp)	Foliar Spray Aerial:	Apply 1.5-2 quarts/acre (3.5-5 L/ha) in a minimum of 10 gallons/acre (95 L/ha) of water.	Low Disease Pressure* : Apply lower rate at the first onset of the disease. Repeat applications at 1-2 week intervals. Do not apply more than 6 times per crop cycle. High Disease Pressure* : Apply higher rate at the first onset of the disease. Repeat applications at 7-10 day intervals. Do not apply more than 6 times per crop cycle.
	Ground:	Apply 1.5-2 quarts/acre (3.5-5 L/ha) in a minimum of 30 gallons/acre (280 L/ha) of water.	

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LEGUME CROPS (Except Brassica Vegetables), such as:

Legume Vegetables (succulent or dried), Bean (Lupins, all), Bean (Field, Kidney, Lima, Navy, Pinto, Runner, Snap, Tepary and Wax), Bean (Adzuki, Asparagus, Blackeyed, Catjang, Chinese Longbean, Cowpea, Crowder Pean, Moth, Mung, Rice, Southern Pea, Urd, Yardlong), Broad Bean (Fava), Chickpea (Garbanzo), Guar, Jackbean, Lablab Bean, Lentil, Pea (Dwarf, Edible-Pod, English, Field, Garden, Green, Snow, Sugar Snap), Pigeon Pea, Soybean and Sword Bean.

DISEASE	APPLICATION METHOD	APPLICATION RATE	APPLICATION PROGRAM
<i>Phytophthora</i> and <i>Pythium</i> sp †Suppression** <i>Fusarium</i> and <i>Rhizoctonia</i>	Foliar Spray Aerial:	Apply 1-2 quarts/acre (2-5 L/ha) in a minimum of 10 gallons/acre (95 L/ha) of water.	Begin applications after plants are established and conditions favor disease development. Disease Prevention/Low Pressure Program* : Apply lower rate at 1-2 week intervals. Do not apply more than 6 times per crop cycle. Disease Control/High Pressure Program* : Apply higher rate at 7-10 day intervals. Do not apply more than 6 times per crop cycle.
	Ground:	Apply 1-2 quarts/acre (2-5 L/ha) in a minimum of 30 gallons/acre (280 L/ha) of water.	
	Pre-plant Nursery application	Apply 1 qt/100 gallons water to nursery plants in seedling trays 1-7 days prior to out planting.	
	Transplant/Furrow Application	Apply 3 pints at planting or to newly planted seedling by side dressing or shank application.	
	Chemigation Overhead:	Apply 1-2 quarts/acre (5-7 L/ha) in a minimum of 1,000 gallons/acre (9,350 L/ha) of water.	Apply with normal irrigation schedule. Follow Disease Programs* as stated above. Do not apply more than 6 times per crop cycle.
	Low Volume:	Apply 2-4 quarts/acre (5-9 L/ha) in a minimum of 100 gallons/acre (950 L/ha) of water.	
	Transplant Application	Apply 3 pints at planting.	
Downy Mildew	Foliar Spray Aerial:	Apply 1-2 quarts/acre (2-5 L/ha) in a minimum of 10 gallons/acre (95 L/ha) of water.	Low Disease Pressure* : Apply lower rate at the first onset of the disease. Repeat applications at 1-2 week intervals. Do not apply more than 6 times per crop cycle. High Disease Pressure* : Apply higher rate at the first onset of the disease. Repeat applications at 7-10 day intervals. Do not apply more than 6 times per crop cycle.
	Ground:	Apply 1-3 quarts/acre (2-7 L/ha) in a minimum of 30 gallons/acre (280 L/ha) of water.	
†Suppression** of Powdery Mildew and leaf diseases such as anthracnose (<i>Collectotrichum</i> spp), leaf blights (<i>septoria</i> & <i>Cercospora</i> spp) and bacterial rots (<i>Erwinia</i> spp)	Foliar Spray Aerial:	Apply 1.5-2 quarts/acre (3.5-5 L/ha) in a minimum of 10 gallons/acre (95 L/ha) of water.	Low Disease Pressure* : Apply lower rate at the first onset of the disease. Repeat applications at 1-2 week intervals. Do not apply more than 6 times per crop cycle. High Disease Pressure* : Apply higher rate at the first onset of the disease. Repeat applications at 7-10 day intervals. Do not apply more than 6 times per crop cycle.
	Ground:	Apply 1.5-2 quarts/acre (3.5-5 L/ha) in a minimum of 30 gallons/acre (280 L/ha) of water.	

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MISCELLANEOUS FOOD CROPS, such as:

Asparagus, Cacao, Coconut, Coffee, Corn (all types), Guava, Carambola, Lychee, Langan, Wax apple, Okra, Papaya, Persimmons, Purslane and Sugarbeet.

DISEASE	APPLICATION METHOD	APPLICATION RATE	APPLICATION PROGRAM
<i>Phytophthora</i> and <i>Pythium</i> sp † Suppression** of Bacterial and Leaf Diseases such as coffee berry disease, (Collectotrichum spp), Anthracnose (Collectotrichum spp), and various leaf spots (Septoria and cercospora spp)	Foliar Spray Aerial:	Apply 1-2 quarts/acre (2-5 L/ha) in a minimum of 10 gallons/acre (95 L/ha) of water.	Begin application after plants are established and conditions favor disease development. Disease Prevention/Low Pressure Program* : Apply lower rate at 1-2 week intervals. Do not apply more than 6 times per crop cycle. Disease Control/High Pressure Program* : Apply higher rate at 7-10 day intervals. Do not apply more than 6 times per crop cycle.
	Ground:	Apply 1-2 quarts/acre (2-5 L/ha) in a minimum of 100 gallons/acre (280 L/ha) of water.	
	Root Dip	Mix a 0.25% v/v solution (1/3 fl oz/1 gallon of water or 2.5 ml/L of water).	
	Chemigation Overhead:	Apply 2-3 quarts/acre (5-7 L/ha) in a minimum of 1,000 gallons/acre (9,350 L/ha) of water.	
	Low Volume:	Apply 2-4 quarts/acre (5-9 L/ha) in a minimum of 100 gallons/acre (950 L/ha) of water.	
Transplant/Furrow Application	Apply 3 pints at planting or to newly planted seedling by side dressing or shank application.		
<i>Phytophthora</i> sp Pruning Wound and Trunk Canker	Trunk Spray	Mix 1-2 quarts with 5 gallons of water (3-5 L with 50 L water).	Use higher rates when lesions are present. Clean the wound site and apply on and around the lesions using enough spray volume to thoroughly wet the lesions. In the absence of lesions, use the lower rate and apply to the trunk from the soil line to 2 feet up the trunk. Apply in Spring, Summer, and Fall.
Downy Mildew	Foliar Spray Aerial:	Apply 1-3 quarts/acre (2-7 L/ha) in a minimum of 10 gallons/acre (95 L/ha) of water.	Low Disease Pressure* : Apply lower rate at the first onset of the disease. Repeat applications at 1-2 week intervals. Do not apply more than 6 times per crop cycle. High Disease Pressure* : Apply higher rate at the first onset of the disease. Repeat applications at 7-10 day intervals. Do not apply more than 6 times per crop cycle.
	Ground:	Apply 1-3 quarts/acre (2-7 L/ha) in a minimum of 100 gallons/acre (950 L/ha) of water.	
†Powdery Mildew Suppression**	Foliar Spray Aerial:	Apply 1-3 quarts/acre (2-7 L/ha) in a minimum of 10 gallons/acre (95 L/ha) of water.	Low Disease Pressure* : Apply lower rate at the first onset of the disease. Repeat applications at 1-2 week intervals. Do not apply more than 6 times per crop cycle. High Disease Pressure* : Apply higher rate at the first onset of the disease. Repeat applications at 7-10 day intervals. Do not apply more than 6 times per crop cycle.
	Ground:	Apply 1-3 quarts/acre (2-7 L/ha) in a minimum of 100 gallons/acre (950 L/ha) of water.	

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OIL CROPS, such as:

Canola (Oil Seed Rape), Cotton, Safflower, Sunflower, Corn, Palm Oil and Betel Nut.

DISEASE	APPLICATION METHOD	APPLICATION RATE	APPLICATION PROGRAM
<i>Phytophthora</i> and <i>Pythium</i> sp	Foliar Spray Aerial:	Apply 0.5-1 quart/acre (1-2 L/ha) in a minimum of 15 gallons/acre (140 L/ha) of water.	Begin application after plants are established and conditions favor disease development. Disease Prevention/Low Pressure Program* : Apply

† Suppression** of Bacterial and Leaf Diseases such as, Anthracnose (<i>Collectotrichum</i> spp), and various leaf spots (<i>Septoria</i> and <i>cercospora</i> spp)	Ground:	Apply 0.5-2 quarts/acre (1-5 L/ha) in a minimum of 30 gallons/acre (280 L/ha) of water.	lower rate at 1-2 week intervals. Do not apply more than 6 times per crop cycle. Disease Control/High Pressure Program* : Apply higher rate at 7-10 day intervals. Do not apply more than 6 times per crop cycle.
	Chemigation Overhead:	Apply 2-3 quarts/acre (5-7 L/ha) in a minimum of 1,000 gallons/acre (9,350 L/ha) of water.	Apply with normal irrigation schedule. Follow Disease Programs* as stated above. Do not apply more than 6 times per crop cycle.
	Low Volume:	Apply 2-4 quarts/acre (5-9 L/ha) in a minimum of 100 gallons/acre (950 L/ha) of water.	
Downy Mildew	Foliar Spray Aerial:	Apply 1-3 quarts/acre (2-7 L/ha) in a minimum of 10 gallons/acre (95 L/ha) of water.	Low Disease Pressure* : Apply lower rate at the first onset of the disease. Repeat applications at 1-2 week intervals. Do not apply more than 6 times per crop cycle.
	Ground:	Apply 1-3 quarts/acre (2-7 L/ha) in a minimum of 30 gallons/acre (280 L/ha) of water.	High Disease Pressure* : Apply higher rate at the first onset of the disease. Repeat applications at 7-10 day intervals. Do not apply more than 6 times per crop cycle.
†Powdery Mildew Suppression**	Foliar Spray Aerial:	Apply 1-3 quarts/acre (2-7 L/ha) in a minimum of 10 gallons/acre (95 L/ha) of water.	Low Disease Pressure* : Apply lower rate at the first onset of the disease. Repeat applications at 1-2 week intervals. Do not apply more than 6 times per crop cycle.
	Ground:	Apply 1-3 quarts/acre (2-7 L/ha) in a minimum of 100 gallons/acre (950 L/ha) of water.	High Disease Pressure* : Apply higher rate at the first onset of the disease. Repeat applications at 7-10 day intervals. Do not apply more than 6 times per crop cycle.

†Not registered for use in CA unless accompanied by a supplemental label

PEANUTS

DISEASE	APPLICATION METHOD	APPLICATION RATE	APPLICATION PROGRAM
Root rots, Pod rots, damping off, Wilt, (<i>Phytophthora</i> and <i>Pythium</i> spp) † Suppression** of leaf and crown diseases, Anthracnose (<i>Collectotrichum</i>)	Foliar Aerial Application:	Apply 1-2 quarts/acre (2-5 L/ha) in a minimum of 10 gallons/acre (95 L/ha) of water.	Begin application after plants are established and conditions favor disease development. Disease Prevention/Low Pressure Program* : Apply lower rate at 1-2 week intervals. Do not apply more than 6 times per crop cycle. Disease Control/High Pressure Program* : Apply higher rate at 7-10 day intervals. Do not apply more than 6 times per crop cycle.
	Foliar Ground:	Apply 1-2.5 quarts/acre (2-7 L/ha) in a minimum of 100 gallons/acre (280 L/ha) of water.	
	Transplant/Furrow application:	Apply 3 pints at planting or to newly planted seedlings by side/top dressing or shank application.	

†Not registered for use in CA unless accompanied by a supplemental label

PINEAPPLE (Except California)

DISEASE	APPLICATION METHOD	APPLICATION RATE	APPLICATION PROGRAM
<i>Phytophthora</i> sp (Heart Rot and Root Rot)	Dip	Mix a 0.5% v/v solution (2 quart/100 gallons of water or 2 L/400 L of water).	Immerse planting material in solution for 1 minute prior to planting.
	Foliar Spray Aerial:	Apply 1.5-2 quarts/acre (3.5-5 L/ha) in a minimum of 15 gallons/acre (140 L/ha) of water.	Preventative: Apply every 4-6 months. Curative: Apply every 2-3 months.
	Ground:	Apply 1.5-2 quarts/acre (3.5-5 L/ha) in a minimum of 200 gallons/acre (1,870 L/ha) of water.	

	Chemigation Low Volume:	Apply 2.5 quarts/acre (7 L/ha) in a minimum of 500 gallons/acre (4,650 L/ha) of water.	Apply 4 times per year during the Spring, Summer and Fall.
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POME FRUIT CROPS, such as:

Apple, Crabapple, Loquat, Mayhaw, Pear, Asian Pear and Quince.

DISEASE	APPLICATION METHOD	APPLICATION RATE	APPLICATION PROGRAM
<i>Phytophthora</i> and <i>Pythium</i> sp (Root rot, Collar rot, foot rot and trunk cankers) † Suppression** of Fire Blight, Blister Spot, Blue and Green Mold, Alternaria Blotch, blister spot and Pear Black Spot	Chemigation Overhead:	Apply 2-3 quarts/acre (5-7 L/ha) in a minimum of 1,000 gallons/acre (9,350 L/ha) of water.	Apply with normal irrigation schedule. Follow Disease Programs* as stated above. Do not apply more than 6 times per crop cycle.
	Foliar	Apply 1-2.5 quarts/acre (3-7 L/ha) in a minimum of 100 gallons/acre (950 L/ha) of water.	Low Disease Pressure*: Apply lower rate at the first onset of the disease. Repeat applications at 1-2 week intervals. Do not apply more than 6 times per crop cycle. High Disease Pressure*: Apply higher rate at the first onset of the disease. Repeat applications at 7-10 days intervals. Do not apply more than 6 times per crop cycle. Apply during active plant growth. Commence from flowering for Fire blight suppression in combination with registered antibiotics.
	Trunk Spray	Mix 1-2 quarts with (1-2 L) in 5 gallons (20 L) of water.	Use higher rates when lesions are present. Clean the wound site and apply on and around the lesions using enough spray volume to thoroughly wet the lesions. In the absence of lesions, use the lower rate and apply to the trunk from the soil line to 2 feet up the trunk. Apply one time in the Spring, Summer, and Fall.
† Suppression** of Powdery Mildew	Foliar Spray Aerial:	Apply 1-2 quarts/acre (2-5 L/ha) in a minimum of 20 gallons/acre (190 L/ha) of water.	Low Disease Pressure*: Apply lower rate at the first onset of the disease. Repeat applications at 1-2 week intervals. Do not apply more than 6 times per crop cycle. High Disease Pressure*: Apply higher rate at the first onset of the disease. Repeat applications at 7-10 days intervals. Do not apply more than 6 times per crop cycle.
	Ground:	Apply 1-3 quarts/acre (2-7 L/ha) in a minimum of 100 gallons/acre (950 L/ha) of water.	

† Not registered for use in CA unless accompanied by a supplemental label

POTATOES

DISEASE	APPLICATION METHOD	APPLICATION RATE	APPLICATION PROGRAM
Pink rot, <i>Pythium</i> leak (<i>Phytophthora infestans</i> , <i>Phytophthora erthroseptica</i> and <i>Pythium</i> spp.) Suppression** of Late Blight	Foliar Spray Aerial:	Apply 1-2 quarts/acre (2-5 L/ha) in a minimum of 20 gallons/acre (190 L/ha) of water.	Begin application after plants are established and conditions favor disease development.
	Ground:	Apply 1-2.5 quarts/acre (2-7 L/ha) in a minimum of 50 gallons/acre (470 L/ha) of water.	Disease Prevention/Low Pressure Program*: Apply lower rate at 1-2 week intervals. Do not apply more than 6 times per crop cycle. Disease Control/High Pressure Program*: Apply higher rate at 7-10 day intervals. Do not apply more than 6 times per crop cycle.

			**Late Blight management using Fungi-Phite requires the high application rate and is most effectively applied when tank mixed with other registered fungicides.
	Chemigation Overhead:	Apply 2-3 quarts/acre (5-7 L/ha) in a minimum of 1,000 gallons/acre (9,350 L/ha) of water.	Apply with normal irrigation schedule. Follow Disease Programs* as stated above. Do not apply more than 4 times per crop cycle.
	Low Volume:	Apply 2-3 quarts/acre (5-7 L/ha) in a minimum of 100 gallons/acre (950 L/ha) of water.	
	Seed Piece Spray:	Mix a 15% v/v solution (0.3 quart/2 quarts of water or 0.3 L/2 L of water). Treat 2 tons of tubers with 1 gallon of solution.	Treat seed pieces with a full coverage spray.
†Powdery Mildew Suppression**	Foliar Spray Aerial:	Apply 1-3 quarts/acre (2-7 L/ha) in a minimum of 20 gallons/acre (190 L/ha) of water.	Low Disease Pressure*: Apply lower rate at the first onset of the disease. Repeat applications at 1-2 week intervals. Do not apply more than 4 times per crop cycle.
	Ground:	Apply 1-3 quarts/acre (2-7 L/ha) in a minimum of 50 gallons/acre (470 L/ha) of water.	High Disease Pressure*: Apply higher rate at the first onset of the disease. Repeat applications at 7-10 day intervals. Do not apply more than 4 times per crop cycle.

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ROOT AND TUBER VEGETABLE CROPS, such as:

Arracacha, Arrowroot, Artichoke (all types), Beet (all types), Burdock, Canna, Carrot, Cassava, Celeriac, Chayote, Chervil (turnip-rooted), Chicory, Chufa, Cinchoca, Dasheen, Ginger, Ginseng, Horseradish, Leren, Parsley (turnip-rooted), Parsnip, Radish (all types), Rutabaga, Salsify (all types), Skirret, Sweet Potato, Tanier, Turmeric, Turnip, Yam (all types).

DISEASE	APPLICATION METHOD	APPLICATION RATE	APPLICATION PROGRAM
<i>Phytophthora</i> and <i>Pythium</i> sp †Suppression** of Foliar and Bacterial Diseases (except California)	Foliar Spray Aerial:	Apply 1-2 quarts/acre (2-5 L/ha) in a minimum of 10 gallons/acre (95 L/ha) of water.	Begin application after plants are established and conditions favor disease development. Disease Prevention/Low Pressure Program*: Apply lower rate at 1-2 week intervals. Do not apply more than 6 times per crop cycle. Disease Control/High Pressure Program*: Apply higher rate at 7-10 day intervals. Do not apply more than 6 times per crop cycle.
	Ground:	Apply 1-2 quarts/acre (2-5 L/ha) in a minimum of 30 gallons/acre (280 L/ha) of water.	
	Pre-plant nursery seedling Application	Apply 1 qt/100 gallons water to nursery plants in seedling trays 1-7 days prior to out planting.	
	Root/Tuber Dip	Mix a 0.5% v/v solution (2 quarts/100 gallons of water or 0.5 L/100 L of water).	
	Chemigation Overhead:	Apply 2-3 quarts/acre (5-7 L/ha) in a minimum of 1,000 gallons/acre (9,350 L/ha) of water.	
	Low Volume:	Apply 2-4 quarts/acre (5-9 L/ha) in a minimum of 100 gallons/acre (950 L/ha) of water.	Apply with normal irrigation schedule beginning at the 4-6 true leaf stage. Follow Disease Programs* as stated above. Do not apply more than 6 times per crop cycle.
	Transplant/Furrow	Apply 3 pints at planting or to newly	

	Application	planted seedling by side dressing or shank application.	
Downy Mildew	Foliar Spray Aerial:	Apply 1-3 quarts/acre (2-7 L/ha) in a minimum of 10 gallons/acre (95 L/ha) of water.	Low Disease Pressure* : Apply lower rate at the first onset of the disease. Repeat applications at 1-2 week intervals. Do not apply more than 6 times per crop cycle.
	Ground:	Apply 1-3 quarts/acre (2-7 L/ha) in a minimum of 30 gallons/acre (280 L/ha) of water.	High Disease Pressure* : Apply higher rate at the first onset of the disease. Repeat applications at 7-10 day intervals. Do not apply more than 6 times per crop cycle.

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STONE FRUIT CROPS, such as:

Apricot, Cherry, Nectarine, Peach, Plum, Plumcot and Prune.

DISEASE	APPLICATION METHOD	APPLICATION RATE	APPLICATION PROGRAM
<i>Phytophthora</i> and <i>Pythium</i> sp (Root Rot, Crown rot, Collar Rot and Foot Rot)	Trunk and Scaffold Branches Spray	Mix 1-2 quarts (1-2 L) in 5 gallons (20 L) of water and apply with a wetting agent or adjuvant on and around the affected area.	Use higher rates when lesions are present. Clean the wound site and apply on and around the lesions using enough spray volume to thoroughly wet the lesions. In the absence of lesions, use the lower rate and apply to the trunk from the soil line to 2 feet up the trunk. Apply in Spring, Summer, and Fall.
	Root Dip	Mix a 0.25% v/v solution (1 quart/100 gallons of water or 0.25 L/100 L of water).	Apply as pre-plant dip to the roots for 10 seconds. Plant within 48 hours after dipping. Mix a fresh solution daily.
	Chemigation Overhead:	Apply 2-3 quarts/acre (5-7 L/ha) in a minimum of 1,000 gallons/acre (9,350 L/ha) of water.	Apply with normal irrigation schedule. Follow Disease Programs* as stated above. Do not apply more than 4 times per crop cycle.
	Low Volume:	Apply 2-4 quarts/acre (5-9 L/ha) in a minimum of 100 gallons/acre (950 L/ha) of water.	Apply during the active growing season a maximum of 4 times.
†Suppression** of Powdery Mildew and other fungal and bacterial diseases such as Fire Blight, (<i>Erwinia</i> spp) scab (<i>Venturia</i> spp) and blister spot (<i>Xanthomonas</i> spp)	Foliar Spray Aerial:	Apply 1-3 quarts/acre (2-7 L/ha) in a minimum of 20 gallons/acre (190 L/ha) of water.	Low Disease Pressure* : Apply lower rate at the first onset of the disease. Repeat applications at 1-3 week intervals. Do not apply more than 4 times per crop cycle. High Disease Pressure* : Apply higher rate at the first onset of the disease. Repeat applications at 1-3 week intervals. Do not apply more than 4 times per crop cycle.
	Ground:	Apply 1-3 quarts/acre (2-7 L/ha) in a minimum of 100 gallons/acre (950 L/ha) of water.	

† Not registered for use in CA unless accompanied by a supplemental label

STRAWBERRY

DISEASE	APPLICATION METHOD	APPLICATION RATE	APPLICATION PROGRAM
<i>Phytophthora</i> and <i>Pythium</i> sp (Red Stele, Leather Rot and Root Rot)	Foliar Spray Aerial:	Apply 1-2 quarts/acre (2-5 L/ha) in a minimum of 20 gallons/acre (190 L/ha) of water.	Begin application during active plant growth. Repeat on a 2-4 week interval when conditions favor disease development.
	Ground:	Apply 1-2 quarts/acre (2-5 L/ha) in a minimum of 50 gallons/acre (470 L/ha) of water.	Perennial planting: Start Spring applications when the plants start active growth. Repeat application at 2-4 week interval if disease conditions persist or reoccur.

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† Suppression** of Foliar Fungal and Bacterial Diseases (Anthracnose, Rhizopus)	Chemigation Overhead:	Apply 2-3 quarts/acre (5-7 L/ha) in a minimum of 1,000 gallons/acre (9,350 L/ha) of water.	If using Red Stele susceptible varieties or if disease pressure is severe, use higher rates, shortest application time and maximum number of applications. Do not apply more than 6 times per crop cycle. Grey mold and Anthracnose suppression using Fungi-Phite requires the use of the high application rates and is most effectively applied when tank mixed with other registered fungicides.
	Low Volume:	Apply 2-4 quarts/acre (5-9 L/ha) in a minimum of 100 gallons/acre (950 L/ha) of water.	
	Transplant/Furrow Application	Apply 3 pints at planting or to newly planted seedling by side dressing or shank application.	
<i>Phytophthora</i> spp.	Dip	Mix a 0.25% v/v solution (1 quart/100 gallons of water or 0.25 L/100 L of water).	Dip runners in the solution for 1-2 minutes. Plant within 48 hours. Mix a fresh solution daily.
Leather Rot (<i>Phytophthora cactorum</i>)	Foliar Spray Aerial:	Apply 1-2 quarts/acre (2-5 L/ha) in a minimum of 20 gallons/acre (190 L/ha) of water.	Start application at 10% bloom and early fruit set. Continue applications on a 7-14 day interval when conditions favor disease development. Under heavy disease pressure, use the higher rate and apply on a 7 day interval. Do not apply more than 6 times per crop cycle.
	Ground:	Apply 1-2 quarts/acre (2-5 L/ha) in a minimum of 50 gallons/acre (470 L/ha) of water.	
†Powdery Mildew Suppression**	Foliar Spray Aerial:	Apply 1-1.5 quarts/acre (2-3.5 L/ha) in a minimum of 20 gallons/acre (190 L/ha) of water.	Low Disease Pressure* : Apply lower rate at the first onset of the disease. Repeat applications at 1-2 week intervals. Do not apply more than 6 times per crop cycle. High Disease Pressure* : Apply higher rate at the first onset of the disease. Repeat applications at 7-10 day intervals. Do not apply more than 6 times per crop cycle.
	Ground:	Apply 1-2 quarts/acre (2-5 L/ha) in a minimum of 50 gallons/acre (470 L/ha) of water.	

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TOBACCO (Except California)

DISEASE	APPLICATION METHOD	APPLICATION RATE	APPLICATION PROGRAM
Phytophthora and Pythium sp (root rot and damping off)	Foliar Spray Aerial:	Apply 1-2 quarts/acre (2-5 L/ha) in a minimum of 20 gallons/acre (190 L/ha) of water.	Begin application after plants are established and conditions favor disease development. Disease Prevention/Low Pressure Program* : Apply lower rate at 4 week intervals. Do not apply more than 4 times per crop cycle. Disease Control/High Pressure Program* : Apply higher rate at 2 week intervals. Do not apply more than 4 times per crop cycle.
	Ground:	Apply 1-2 quarts/acre (2-5 L/ha) in a minimum of 100 gallons/acre (950 L/ha) of water.	
Blue Mold (Peronospora tabacina)	Pre-plant nursery seedling application.	Apply 1 qt/100 gallons water to nursery plants in seedling trays 1-7 days prior to out planting.	Apply with normal irrigation schedule. Follow Disease Programs* as stated above. Do not apply more than 4 times per crop cycle.
Black Shank (P. parasitica) and Root Declines	Chemigation Overhead:	Apply 1-2 quarts/acre (2-5 L/ha) in a minimum of 1,000 gallons/acre (9,350 L/ha) of water.	
	Low Volume:	Apply 2-3 quarts/acre (5-7 L/ha) in a minimum of 100 gallons/acre (950 L/ha) of water.	

KIWI, OLIVES AND TREE NUT CROPS, such as:

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Almond, Beech Nut, Butternut, Cashew, Chestnut, Chinquapin, Filbert, Hazelnuts, Hickory Nut, Macadamia Nut, Pecan, Pistachio, and Walnut.

DISEASE	APPLICATION METHOD	APPLICATION RATE	APPLICATION PROGRAM
<p><i>Phytophthora</i> and <i>Pythium</i> sp (Root rots, Crown rots) trunk cankers, foliar blights).</p> <p>†Suppression** of foliar bacterial and fungal diseases Anthracnose (<i>Collectotrichum</i>), Hull rot (<i>Monilia</i> spp), Flower diseases (<i>Cladosporium</i> spp), <i>Alternaria</i> leaf spots (<i>Alternaria</i> spp), raceme blight (<i>Phytophthora</i>) in Macadamia.</p>	<p>Foliar Spray Aerial:</p> <p>Ground:</p>	<p>Apply 1-2 quarts/acre (2-5 L/ha) in a minimum of 20 gallons/acre (190 L/ha) of water.</p> <p>Apply 1-2 quarts/acre (2-5 L/ha) in a minimum of 100 gallons/acre (950 L/ha) of water.</p>	<p>Begin application during active plant growth after plants are established and conditions favor disease development.</p> <p>Disease Prevention/Low Pressure Program*: Apply lower rate at 3 monthly intervals. Do not apply more than 4 times per crop cycle.</p> <p>Disease Control/High Pressure Program*: Apply higher rate at monthly intervals. Do not apply more than 4 times per crop cycle.</p>
	<p>Root Dip</p>	<p>Mix a 0.5% v/v solution (2 quarts/100 gallons of water or 5 L/1000 L of water).</p>	<p>Apply as pre-plant dip to the roots for 30 seconds. Plant within 48 hours after dipping. Mix a fresh solution daily.</p>
	<p>Chemigation Overhead:</p> <p>Low Volume:</p>	<p>Apply 2-3 quarts/acre (5-7 L/ha) in a minimum of 1,000 gallons/acre (9,350 L/ha) of water.</p> <p>Apply 2-4 quarts/acre (5-9 L/ha) in a minimum of 100 gallons/acre (950 L/ha) of water.</p>	<p>Apply with normal irrigation schedule. Follow Disease Programs* as stated above. Do not apply more than 6 times per crop cycle.</p>
	<p>Trunk Spray</p>	<p>Mix 1-2 quarts with (1-2 L) in 5 gallons (20 L) of water.</p>	<p>Use higher rates when lesions are present. Clean the wound site and apply on and around the lesions using enough spray volume to thoroughly wet the lesions. In the absence of lesions, use the lower rate and apply to the trunk from the soil line to 2 feet up the trunk. Apply one time in the Spring, Summer, and Fall.</p>
<p>†Powdery Mildew Suppression **</p>	<p>Foliar Spray Aerial:</p> <p>Ground:</p>	<p>Apply 1-2 quarts/acre (2-5 L/ha) in a minimum of 20 gallons/acre (190 L/ha) of water.</p> <p>Apply 1-2 quarts/acre (2-5 L/ha) in a minimum of 100 gallons/acre (950 L/ha) of water.</p>	<p>Low Disease Pressure*: Apply lower rate at the first onset of the disease. Repeat applications at 1-2 week intervals. Do not apply more than 6 times per crop cycle.</p> <p>High Disease Pressure*: Apply higher rate at the first onset of the disease. Repeat applications at 7-10 days intervals. Do not apply more than 6 times per crop cycle.</p>
<p>Downy Mildew (<i>Phytophthora</i> & <i>Peronospora</i> spp)</p>	<p>Foliar Spray Aerial:</p> <p>Ground:</p>	<p>Apply 1-2 quarts/acre (2-5 L/ha) in a minimum of 20 gallons/acre (190 L/ha) of water.</p> <p>Apply 1-2 quarts/acre (2-5 L/ha) in a minimum of 100 gallons/acre (950 L/ha) of water.</p>	<p>Low Disease Pressure*: Apply lower rate at the first onset of the disease. Repeat applications at 1-2 week intervals. Do not apply more than 6 times per crop cycle.</p> <p>High Disease Pressure*: Apply higher rate at the first onset of the disease. Repeat applications at 7-10 days intervals. Do not apply more than 6 times per crop cycle.</p>

† Not registered for use in CA unless accompanied by a supplemental label

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*Check with your local Extension Agent or Crop Consultant if you are unsure about disease prevention, control or severity/pressure.

**Suppression: Fungi-Phite™ has suppressive properties on diseases caused by certain bacteria or fungi. When applying Fungi-Phite™ for disease suppression, use it in combination with another registered bactericide or fungicide registered for the same crops listed on this label.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in a cool, dry place.

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

CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incinerator, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

WARRANTY STATEMENT

PLANT PROTECTANTS, LLC warrants that the product conforms to the chemical description on the label and is reasonably fit for the purposes set forth on the label when used according to directions under normal use conditions. THERE ARE NO OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE. This warranty does not extend to the handling or use of this product contrary to label instructions or under abnormal conditions not reasonably foreseeable to seller and to the fullest extent permitted by state law, buyer assumes all risk of any such use.

[Label version 08-11-08]

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Sub Label B Turf & Ornamental Label

FUNGI-PHITE™ T & O

A Systemic Fungicide for the Suppression and Control of
Phytophthora, Pythium and Downy Mildew

ACTIVE INGREDIENTS:

Mono- and di-potassium salts of Phosphorous Acid*.....45.5%

OTHER INGREDIENTS.....54.5%

TOTAL.....100.0%

*Contains 5.41 lbs/gal of the active ingredients of Mono- and di-potassium salts of Phosphorous Acid

*Equivalent to 3.38 lbs/gal Phosphorous Acid

KEEP OUT OF REACH OF CHILDREN

CAUTION

FIRST AID

If in eyes	<ul style="list-style-type: none"> • 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.
If on skin or clothing	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.

Hotline Number

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact the International Poison Center at 1-888-740-8712 for emergency medical treatment information.

See Back [Side] Panel for Precautionary Statements

EPA Reg. No. 83472-1

EPA Est. No. 73771-CA-1

Manufactured For:
Plant Protectants, LLC
35801 Road 132 -Visalia, CA 93292
Ph. 559-625-9255

Net Contents _____gallons

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION. Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Harmful if absorbed through skin. Remove and wash contaminated clothing before reuse. Wear the appropriate Personal Protective Equipment (PPE).

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- a. long-sleeved shirt and long pants
- b. waterproof gloves
- c. shoes plus socks
- d. protective eyewear

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

USERS SAFETY RECOMMENDATIONS

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. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

Do not apply directly to water, or 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 washwater or rinsate.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons either directly or through drift. Only protected handlers to be in the area during application. Do not apply when wind speed favors drift beyond the area intended for treatment. For any requirements specific to your State or Tribe, consult the 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 (WPS), 40 CFR part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses and handlers of agricultural pesticides. It contains requirements for training, decontamination, notifications, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted entry interval (REI). The requirements in this box only apply to uses of this product that are covered by the WPS.

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

For early entry to treated areas that is permitted under the WPS and that involves contact with anything that has been treated, such as plants, soil, or water, wear coveralls, waterproof gloves, shoes and socks, and protective eyewear.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements of this box apply to uses of the 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.

CHEMIGATION: Apply this product only through the following types of systems: sprinkler including center pivot, lateral move, end tow, side (wheel) roll, traveler, big gun, solid set, hand move, fanjet or micro-sprinkler; drip (trickle and hydroponic solutions). Do not apply this product through any other type of irrigation system.

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

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

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

A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

CHEMIGATION SYSTEMS CONNECTED TO PUBLIC WATER SYSTEMS:

Public water system means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year.

Chemigation systems connected to public water system must contain a functional, reduced pressure zone (RPZ) backflow preventer or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the flow outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.

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

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

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

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

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

Use a pesticide supply tank that is equipped with a means for continuous agitation either by recirculation or a mechanical agitator. Charge the supply tank with the appropriate amount of water and add the pesticide slowly followed by any sticker-spreaders, insecticides, nutrients, etc. Observe all directions, cautions and limitations on the label of the product(s) being mixed.

For fixed position irrigation systems, apply the pesticide towards the end of the irrigation period. Exact timing will depend on the desired pesticide application rate and calibration of the system. Apply the pesticide continuously through irrigation systems that move and do not irrigate the same or fixed area during the irrigation cycle.

Complete the pesticide injection in sufficient time to allow the pesticide to be completely flushed out of the irrigation system before the system is shut down.

SPRINKLER CHEMIGATION: 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 closed, solenoid operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

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

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

Use a pesticide supply tank that is equipped with a means for continuous agitation either by recirculation or a mechanical agitator. Charge the supply tank with the appropriate amount of water and add the pesticide slowly followed by any sticker-spreaders, insecticides, nutrients, etc. Observe all directions, cautions and limitations on the label of the product(s) being mixed.

For fixed position irrigation systems, apply the pesticide towards the end of the irrigation period. Exact timing will depend on the desired pesticide application rate and calibration of the system. Apply the pesticide continuously through irrigation systems that move and do not irrigate the same (fixed) area during the irrigation cycle.

Complete the pesticide injection in sufficient time to allow the pesticide to be completely flushed out of the irrigation system before the system is shut down.

DRIP (TRICKLE) CHEMIGATION: 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 closed, solenoid operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

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

System 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.

Use a pesticide supply tank that is equipped with a means for continuous agitation either by recirculation or a mechanical agitator. Charge the supply tank with the appropriate amount of water and add the pesticide slowly followed by any sticker-spreaders, insecticides, nutrients, etc. Observe all directions, cautions and limitations on the label of the product(s) being mixed.

Apply the pesticide towards the end of the irrigation period. Exact timing will depend on the desired pesticide application rate and calibration of the system.

Complete the pesticide injection in sufficient time to allow the pesticide to be completely flushed out of the irrigation system before the system is shut down.

APPLICATION INSTRUCTIONS FOR ORNAMENTAL PLANTS, CONIFERS AND TURF

GENERAL APPLICATION INSTRUCTIONS

Apply this product by various application methods, including foliar spray (aerial and ground), soil drench, soil incorporation and bare root dip. For foliar sprays, apply this product with sufficient water volumes for adequate coverage of foliage, according to crop and growth stage.

Make applications prior to disease development in conjunction with good cultural management practices. 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 make foliar applications to plants treated with copper-based compounds at less than 20 day intervals unless instructed to do so by your crop consultant. Allow foliage to dry completely after application. Do not apply when conditions favor wet tissue for prolonged periods (>4 hours).

MIXING INSTRUCTIONS

1. Fill the spray tank with ½ to ¾ of the required volume of water before adding the product.
2. Add the product 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.

COMPATIBILITY

This product is compatible with most products used in agriculture. However, crop sensitivity to these mixtures may vary. If these combinations or others have not been previously used, do not tank mix without first testing the mixture's compatibility nor apply it without assessing its safety to the crop (Phytotoxicity).

The use of spray adjuvants (i.e. stickers, spreaders, wetting agents) will enhance this products performance. If an adjuvant is used with this product, test before use for compatibility. Do not use strongly acidifying compatibility agents.

To determine the compatibility of this product 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.

To determine if a combination is phytotoxic to a specific crop, spray a few plants/trees/vines, then evaluate 3-7 days later for visual effects.

ROSES

DISEASE	APPLICATION METHOD	APPLICATION RATE	APPLICATION PROGRAM
Root Rot and cankers (<i>Phytophthora</i> and <i>Pythium</i> sp)	Soil Incorporation	Mix 4-16 fl oz/cubic yard (150-700 ml/m ³) of soil media.	Mix product with soil media immediately before potting. If conditions are favorable for disease development, applications as a foliar spray or soil drench will enhance protection.

<p>Downy Mildew, Bacterial Blight and Zanthamonas</p> <p>†Suppression** of Foliar Diseases Black spot (Diplocarpon spp),</p>	<p>Soil Drench:</p>	<p>Mix 1-2 quarts (1-2 L) in 100 gallons (380 L) of water.</p>	<p>Apply using hand held, mechanical, or motorized spray equipment, or as a chemigation drench or directed spray using applicable sprinkler or low volume irrigation systems to propagation beds, containers, pots, trays, or nursery or landscape beds at a rate to thoroughly soak the growing media through the root zone. A general guide is 1-2 quarts/sq ft (5-10 L/m²) of the diluted mixture depending on the media type and depth (about 3 fl oz/3 inch pot or 6 fl oz/6 inch pot or about 80 ml/10 cm pot and 120 ml/15 cm pot).</p>
	<p>Foliar</p>	<p>Apply 1-2 quarts/acre (2-5 L/ha) in a minimum of 100 gallons/acre (950 L/ha) of water.</p>	<p>Apply at 2-4 week intervals and repeat as needed. Application rates depend upon plant type, maturity and spray technique/method. Do not apply more than 6 times per crop cycle.</p>
<p>†Powdery Mildew Suppression**</p>	<p>Foliar Spray Aerial:</p>	<p>Apply 1-1.5 quarts/acre (2-3.5 L/ha) in a minimum of 20 gallons/acre (190 L/ha) of water.</p>	<p>Low Disease Pressure*: Apply lower rate at the first onset of the disease. Repeat applications at 1-2 week intervals. Do not apply more than 6 times per crop cycle.</p> <p>High Disease Pressure*: Apply higher rate at the first onset of the disease. Repeat applications at 7-10 day intervals. Do not apply more than 6 times per crop cycle.</p>
	<p>Ground:</p>	<p>Apply 1-2 quarts/acre (2-5 L/ha) in a minimum of 75 gallons/acre (700 L/ha) of water.</p>	

†Not registered for use in CA unless accompanied by a supplemental label

ORNAMENTALS, such as:

Annual and Perennial Flowers, Bedding Plants, Foliage Plants, Ground Covers, Deciduous and Evergreen Trees and Shrubs in the field, Container, and Conifer Nursery, Lath or Shade House, Greenhouse, Residential, Commercial and Municipal Landscapes. Use in Greenhouses:

Ornamentals and Bedding Plants such as: Ageratum, Aglaonema, Algerian Ivy, Anthurium, Aphelandra, Arborvitae, Artemisia, Aster, Azaleas, Baby's Breath, Begonia, Bougainvillea, Boxwood, Caladium, Carnation, Cattelya Skinneri, Ceanothus, Chrysanthemum, Cissus, Coleus, Columbine, Cotoneaster, Daisy, Delphinium, Dieffenbachia, Dogwood, Easter Lily, English Ivy, Ficus, Foxglove, Gaillardia, Geranium, Gloxinia, Hibiscus, Impatiens, Japanese Holly Juniper, Leather-Leaf Fern, Marigold, Monterey Pine, Pansy, Peperomia, Petunia, Philodendron, Phlox, Photinia, Pieris, Pinks, Pittosporum, Poinsettia, Pothos, Primrose, Prostrate Rosemary, Rhododendron, Salvia, Schefflera, Sedum, Sempervivum, Snapdragon, Spathiphyllum, Taxus Media, Verbena, Vinca, White Cedar, White Pine, Zinnia, Zygocactus, etc.

DISEASE	APPLICATION METHOD	APPLICATION RATE	APPLICATION PROGRAM
<p>Root and crown rots, stem cankers and foliar blight. <i>Phytophthora</i> and <i>Pythium</i> sp</p>	<p>Foliar Spray Aerial:</p>	<p>Apply 1-1.5 quarts/acre (2-3.5 L/ha) in a minimum of 20 gallons/acre (190 L/ha) of water.</p>	<p>Apply at 2-3 week intervals and repeat as needed. Use the lower rate on sensitive plants. For greenhouse applications, do not exceed the lower rate (1 quart/100 gallons/acre of water or 2 L/950 L/ha of water). Do not apply more than 6 times per crop cycle.</p>
	<p>Ground:</p>	<p>Apply 1-2 quarts/acre (2-5 L/ha) in a</p>	

†Suppression** of Foliar Diseases		minimum of 100 gallons/acre (950 L/ha) of water.	
	Soil Drench	Mix 6-13 fl oz (180-390 ml) in 100 gallons (380 L) of water.	Apply 25 gallons of solution per 100 square feet. Irrigate to distribute solution through soil. Repeat as required. Limit to one application per month.
	Soil Incorporation	Mix 1-2 pints/cubic yard (600-1200 ml/m ³) of soil.	Mix immediately before potting. If conditions are favorable for disease development, a foliar spray or soil drench application will enhance protection.
	Root Dip	Mix a 0.25% v/v solution (1 quart/100 gallons of water or 1 L/400 L of water).	Dip transplants into diluted mixture keeping roots submerged for 20-30 seconds. Plant within 48 hours. Make a fresh solution daily.
	Chemigation Overhead: Low Volume:	Apply 2 quarts/acre (5 L/ha) in a minimum of 1,000 gallons/acre (9,350 L/ha) of water. Apply 1-2 quarts/acre (2-5 L/ha) in a minimum of 100 gallons/acre (950 L/ha) of water.	Apply with normal irrigation schedule. Follow Foliar Spray APPLICATION PROGRAM as stated above. Do not apply more than 6 times per crop cycle.
Downy Mildew	Foliar Spray Aerial: Ground:	Apply 0.5-1 quart/acre (1-2 L/ha) in a minimum of 20 gallons/acre (190 L/ha) of water. Apply 1-2.5 quarts/acre (2-5 L/ha) in a minimum of 100 gallons/acre (950 L/ha) of water.	Low Disease Pressure* : Apply lower rate at the first onset of the disease. Repeat applications at 1-2 week intervals. Do not apply more than 6 times per crop cycle. High Disease Pressure* : Apply higher rate at the first onset of the disease. Repeat applications at 7-10 days intervals. Do not apply more than 6 times per crop cycle. Application amount depends upon plant type, maturity and application technique/method.
†Powdery Mildew Suppression**	Foliar Spray Aerial: Ground:	Apply 1-1.5 quarts/acre (2-3.5 L/ha) in a minimum of 20 gallons/acre (190 L/ha) of water. Apply 1-2 quarts/acre (2-5 L/ha) in a minimum of 50 gallons/acre (470 L/ha) of water.	Low Disease Pressure* : Apply lower rate at the first onset of the disease. Repeat applications at 1-2 week intervals. Do not apply more than 6 times per crop cycle. High Disease Pressure* : Apply higher rate at the first onset of the disease. Repeat applications at 7-10 days intervals. Do not apply more than 6 times per crop cycle.

† Not registered for use in CA unless accompanied by a supplemental label

CONIFERS IN COMMERCIAL NURSERIES, LANDSCAPE TREES, PLANTATIONS, FORESTRY AND PARK APPLICATIONS, such as:

Christmas Tree Varieties, Firs, Spruces, Ash, Pines, Beech, Cedar, Chestnut, Crap Apple, Dogwood, Elm, Fir, Hawthorn, Juniper, Linden, Oaks, Birch, Eucalyptus and Willow.

DISEASE	APPLICATION METHOD	APPLICATION RATE	APPLICATION PROGRAM
†Suppression** of Foliar Diseases	Foliar Spray Aerial:	Apply 1-2 quarts/acre (2-5 L/ha) in a minimum of 20 gallons/acre (190 L/ha) of water.	Apply as a light cover spray to foliage. Apply at 2-4 week intervals and repeat as needed. Final application amounts depend on plant type, maturity, and application technique/method. Do not apply more than 4 times per crop cycle.
	Ground:	Apply 1-2 quarts/acre (2-5 L/ha) in a minimum of 100 gallons/acre (950 L/ha) of water.	
	Soil Drench	Mix 1-2 quarts (1-2 L) in 100 gallons (380 L) of water.	

†Enhancement of Mycorrhization	Root Dip	Mix a 0.25% v/v solution (1 quart/100 gallons of water or 1 L/400 L of water).	Dip transplants into diluted mixture keeping roots submerged for 1 to 2 minutes. Plant within 48 hours. Make a fresh solution daily.
Christmas Trees	Soil Drench	1 gallon/acre immediately after transplanting then 2 qt/acre every 30 days for 3 applications in the active growing season.	
Stem and Canker blight (<i>Phytophthora ramorum</i>) i.e. Sudden Oak Death	Trunk Injection	Make up a 15% v/v solution of Fungi-Phite (20 fl oz/gallon of water or 150 ml/L of water).	Inject (according to injection equipment instructions) 0.5 fl oz (15 ml) of the diluted Fungi-Phite solution into one injection hole. Dosage: One (1) injection per yard (or meter) of canopy diameter at the drip line. (i.e. a tree with 6 yards (or meters) of canopy diameter will require 6 injections via 6 separate injection holes). Curative: Inject 2 times per year in the Spring and Fall. Preventative: Inject 1 time in the Spring.
	Bark Applications	Mix Fungi-Phite and water in a 1:1 ratio (i.e. 1 gallon of Fungi-Phite plus 1 gallon of water). Add to this 3 oz(100 ml) of a silicon based surfactant.	Apply the Fungi-Phite solution from the base of the tree to approximately 5 feet(1.5 M) above ground, ensuring complete bark coverage. Spray over active lesions if they are accessible.

† Not registered for use in CA unless accompanied by a supplemental label

TURF(Warm & Cool season)*, such as**

Golf Course, Athletic Fields, Sod Farms, Residential, Amenity, Commercial and Municipal Lawns=

DISEASE	APPLICATION METHOD	APPLICATION RATE	APPLICATION PROGRAM
<i>Pythium</i> sp and † <i>Phytophthora</i>	Foliar Spray	Mix 3.5-5 fl oz (100-150 ml) in 1-2 gallons (4-8 L) of water.	Begin preventative applications when conditions first favor disease. Apply 1-2 gallons of diluted mixture/1,000 sq ft (4-8 L/100 m ²) as a light cover spray. Apply at a 1-4 week interval as needed. Do not mow or irrigate treated area until sprays have completely dried
Pythium Blight		5 fl oz/1000 sq. ft.	Apply at 7 day intervals
Brown Patch (<i>Rhizoctonia</i> spp) and Anthracnose (<i>Collectotrichum</i>) Suppression		5 fl oz/1000 sq. ft. Apply at 1.5 gallons per 1000 sq. ft.	Apply at 7 day intervals. Turf disease management is significantly improved when Fungi-Phite is used at the high labeled rate and is most effectively applied used when tank mixed with other registered fungicides.

† Not registered for use in CA unless accompanied by a supplemental label

TURF TANK MIXTURES***

For suppression or control of summer stress diseases caused by a complex of *Pythium* sp, *Collectotrichum* and *Rhizoctonia* sp. Also for improvement of existing fungicide programs and the minimization of resistance development in pathogenic fungi. Tank mix this product with fungicides from the classes of Fungicides as listed below in accordance with the most restrictive label limitations and precautions. Do not exceed label dosage rates. This product cannot be mixed with any product containing a label prohibiting against any such mixing. To determine the compatibility to this fungicide with other products, use a jar compatibility test. Add the correct proportions of each product and the appropriate quantity of water to a clean container. Thoroughly mix and let stand for 3-5 minutes. If the mixture remains in solution or can be remixed readily, the products are considered compatible.

DISEASE	APPLICATION METHOD	APPLICATION RATE	APPLICATION PROGRAM
Complex of <i>Pythium</i> sp, <i>Collectotrichum</i> spp, and <i>Rhizoctonia</i> sp	Tank mix with a registered fungicide for these turf declines such as a dithiocarbamate, a Triazole, a benzimidazole, a strobilurin or a Chloronitrile fungicide.	Follow product label.	Follow the most restrictive product label.

*Check with your local Extension Agent or Crop Consultant if you are unsure about disease prevention, control or severity/pressure.

**Suppression: Fungi-Phite™ has suppressive properties on diseases caused by certain bacteria or fungi. When applying Fungi-Phite™ for disease suppression, use it in combination with another registered bactericide or fungicide registered for the same crops listed on this label.

***Do not graze livestock or poultry in treated turf areas. Do not feed forage or clippings from treated turf areas to livestock or poultry.

† Not registered for use in CA unless accompanied by a supplemental label

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in a cool, dry place.

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

CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incinerator, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

WARRANTY STATEMENT

PLANT PROTECTANTS, LLC warrants that the product conforms to the chemical description on the label and is reasonably fit for the purposes set forth on the label when used according to directions under normal use conditions. THERE ARE NO OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE. This warranty does not extend to the handling or use of this product contrary to label instructions or under abnormal conditions not reasonably foreseeable to seller and to the fullest extent permitted by state law, buyer assumes all risk of any such use.

[Label version 08-11-2008]

37/40

Sub Label C – Agricultural Uses-Post Harvest Application for Potatoes

FUNGI-PHITE™

A Systemic Fungicide for the Suppression and Control of
Phytophthora, Pythium and Downy Mildew for Potatoes

ACTIVE INGREDIENTS:

Mono- and di-potassium salts of Phosphorous Acid*45.5%

OTHER INGREDIENTS.....54.5%

TOTAL.....100.0%

*Contains 5.41 lbs/gal of the active ingredients of Mono- and di-potassium salts of Phosphorous Acid

*Equivalent to 3.38 lbs/gal Phosphorous Acid

KEEP OUT OF REACH OF CHILDREN

CAUTION

FIRST AID	
If in eyes	<ul style="list-style-type: none"> • 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.
If on skin or clothing	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact the International Poison Center at 1-888-740-8712 for emergency medical treatment information.	

See Back [Side] Panel for Precautionary Statements

EPA Reg. No. 83472-1

EPA Est. No. 73771-CA-1

Manufactured For:
Plant Protectants, LLC
35801 Road 132
Visalia, CA 93292
Ph. 559-625-9255

Net Contents _____gallons

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION. Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Harmful if absorbed through skin. Remove and wash contaminated clothing before reuse. Wear the appropriate Personal Protective Equipment (PPE).

PERSONAL PROTECTIVE EQUIPMENT (PPE)

All mixers, loaders, applicators and other handlers must wear:

- long-sleeved shirt and long pants
- waterproof gloves
- shoes plus socks
- protective eyewear

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

USERS SAFETY RECOMMENDATIONS

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. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

Do not apply directly to water, or 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 washwater or rinsate.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons either directly or through drift. Only protected handlers to be in the area during application. Do not apply when wind speed favors drift beyond the area intended for treatment. For any requirements specific to your State or Tribe, consult the 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 (WPS), 40 CFR part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses and handlers of agricultural pesticides. It contains requirements for training, decontamination, notifications, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted entry interval (REI). The requirements in this box only apply to uses of this product that are covered by the WPS.

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

For early entry to treated areas that is permitted under the WPS and that involves contact with anything that has been treated, such as plants, soil, or water, wear coveralls, waterproof gloves, shoes and socks, and protective eyewear.

General Instructions: FUNGI-PHITE Systemic Fungicide can be applied in any aqueous application such as bin washers, dump tanks, soak tanks and pressure washers. When diluted per label mixing instructions, FUNGI-PHITE is compatible with most post harvest chemicals. For suppression of: Brown Rot (*Phytophthora spp.*) and Phythium storage rots (*Phythium spp.*). Sour Rot (*Geotrichum candidum*), Bitter Rot (*Glomularia spp.*), Blue Mold (*Penicillium italicum*), Green Mold (*Penicillium digitatum*), Anthracnose (*Collectotrichium gleosporoides*), Late Blight (*Phytophthora infestans*) and Pink Rot (*Phytophthora erythroseptica*) particularly when used in combination with other post harvest fungicides.

FUNGI-PHITE is especially effective in preventing the development of tolerant or resistant strains of fungi when tank mixed with a registered fungicide of a different class of chemistry or when registered chemicals require alternating with a different chemical class. Use a suitable non-ionic surfactant in all post harvest applications.

Potatoes and Sweet Potatoes/Yams

DISEASE	APPLICATION RATE	APPLICATION PROGRAM
Suppression of Late Blight (<i>Phytophthora infestans</i>) and Pink Rot (<i>Phytophthora erythroseptica</i>)	Tuber low volume spray: Apply 1-1.5 pints of FUNGI-PHITE per ton of tubers in 0.5-1 gallon of water as a spray. Dipping: Make up a 1% v/v solution of Fungi-Phite.	Ensure complete and even coverage. If dipping, ensure that potato tubers are immersed in solution for at least 30 seconds.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in a cool, dry place.

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

CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incinerator, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

WARRANTY STATEMENT

PLANT PROTECTANTS, LLC warrants that the product conforms to the chemical description on the label and is reasonably fit for the purposes set forth on the label when used according to directions under normal use conditions. THERE ARE NO OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE. This warranty does not extend to the handling or use of this product contrary to label instructions or under abnormal conditions not reasonably foreseeable to seller and to the fullest extent permitted by state law, buyer assumes all risk of any such use.

[Label version 08-11-2008]

SUPPLEMENTAL LABELING

FUNGI-PHITE® EPA Reg. No. 83472-1

Plant Protectants, LLC
35801 Road 132
Visalia, CA 93292
Ph. 559-635-3087

SUPPLEMENTAL DIRECTIONS FOR USE ON POTATOES, SWEET POTATOES AND YAMS

Active Ingredient:

Mono- and di-potassium salts of Phosphorous Acid* 45.5%
OTHER INGREDIENTS..... 54.5%
TOTAL..... 100.0%

*Contains 5.41 lbs./gal of the active ingredients of mono and di-potassium salts of phosphorous acid
Equivalent to 3.38 lbs./gal phosphorous acid

KEEP OUT OF REACH OF CHILDREN

CAUTION

- It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.
- This labeling must be in the possession of the user at the time of application.
- Read the label affixed to the container of Fungi-Phite® fungicide before applying. Carefully follow all precautionary statements and applicable use directions.
- Use of Fungi-Phite® according to this supplemental labeling is subject to all use precautions and limitations imposed by the label affixed to the container for Fungi-Phite®.

DIRECTIONS FOR USE

Refer to product label affixed to container for General Use Precautions and Application instructions.

General Post Harvest Instructions: FUNGI-PHITE® systemic fungicide can be applied in any aqueous application such as bin washers, dump tanks, soak tanks and pressure washers. When diluted per label mixing instructions, FUNGI-PHITE® is compatible with most post harvest chemicals. For suppression of: Brown Rot (Phytophthora spp.) and Phythium storage rots (Phythium spp.), Sour Rot (Geotrichum candidum), Bitter Rot (Glomularia spp.), Blue Mold (Penicillium italicum), Green Mold (Penicillium digitatum), Anthracnose (Collectotrichium gleosporoides), Late Blight (Phytophthora infestans) and Pink Rot (Phytophthora erythroseptica) particularly when used in combination with other post harvest fungicides.

FUNGI-PHITE® is especially effective in preventing the development of tolerant or resistant strains of fungi when tank mixed with a registered fungicide of a different class of chemistry or when registered chemicals require alternating with a different chemical class.

Use a suitable non-ionic surfactant in all post harvest applications.

ACCEPTED

NOV 13 2008

Under the Federal Insecticide, Fungicide,
and Rodenticide Act, as amended, for
the pesticide registered under
EPA Reg. No. 83472-1

NOTIFICATION

Date Reviewed: 13 Nov 08

Reviewed By: John Fournier, BPPB

Potatoes and Sweet Potatoes/Yams Post-Harvest Uses

DISEASE	APPLICATION RATE	APPLICATION PROGRAM
Suppression of Late Blight (Phytophthora infestans) and Pink Rot (Phytophthora erythroseptica)	Tuber low volume spray: Apply 1-1.5 pints of FUNGI-PHITE® per ton of tubers in 0.5-1 gallon of water as a spray. Dipping: Make up a 1% v/v solution of Fungi-Phite®.	Ensure complete and even coverage. If dipping, ensure that potato tubers are immersed in solution for at least 30 seconds.

Potatoes and Sweet Potatoes/Yams Pre-Harvest Uses

DISEASE	APPLICATION METHOD	APPLICATION RATE	APPLICATION PROGRAM
Pink rot, Pythium leak (Phytophthora infestans, Phytophthora erythroseptica and Pythium spp.) Suppression** of Late Blight	Foliar Spray Aerial:	Apply 1-2 quarts/acre (2-5 L/ha) in a minimum of 20 gallons/acre (190 L/ha) of water.	Begin application after plants are established and conditions favor disease development.
	Ground:	Apply 1-2.5 quarts/acre (2-7 L/ha) in a minimum of 50 gallons/acre (470 L/ha) of water.	Disease Prevention/Low Pressure Program*: Apply lower rate at 1-2 week intervals. Do not apply more than 6 times per crop cycle. Disease Control/High Pressure Program*: Apply higher rate at 7-10 day intervals. Do not apply more than 6 times per crop cycle.
	Chemigation Overhead:	Apply 2-3 quarts/acre (5-7 L/ha) in a minimum of 1,000 gallons/acre (9,350 L/ha) of water.	Apply with normal irrigation schedule. Follow Disease Programs* as stated above. Do not apply more than 4 times per crop cycle.
	Low Volume:	Apply 2-3 quarts/acre (5-7 L/ha) in a minimum of 100 gallons/acre (950 L/ha) of water.	
	Seed Piece Spray:	Mix a 15% v/v solution (0.3 quart/2 quarts of water or 0.3 L/2 L of water). Treat 2 tons of tubers with 1 gallon of solution.	Treat seed pieces with a full coverage spray.

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