

83472-3

5/24/2012

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

James Messina
Authorized Representative of
Plant Protectants, LLC
34801 Road 132
Visalia, CA 93292

MAY 24 2012

Subject: Plant Protectants, LLC; Fungi-Phite DF, EPA Registration No. 83472-3;
Label Amendment to Add Cut Flowers to the Post-harvest Sublabel;
D# 460800, Application Dated 2/10/12

Dear Mr. Messina:

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

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA section 3(c)(5) when the Agency requires all registrants of similar products to submit such data.
2. Submit two (2) copies of your final printed labeling before you release the product for shipment. Final printed labeling means the label or labeling of the product when distributed or sold. Clearly legible reproductions or photo reductions will be accepted for unusual labels, such as those silk-screened directly onto glass or metal containers or large bags or drum labels.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(b). Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions.

If you have any questions contact Chris Pfeifer at 703-308-0031 or by email at: pfeifer.chris@epa.gov. A stamped copy of the label is enclosed for your records.

Sincerely,

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

Enclosure

CONCURRENCES

SYMBOL	▶ 7511P						
SURNAME	▶ PFEIFER						
DATE	▶ 5/17/12						

ACCEPTED

MAY 24 2012

MASTER LABEL

FUNGI-PHITE® DF
Fungicide

Under the Federal Insecticide, Fungicide,
and Rodenticide Act, as amended, for
the pesticide registered under
EPA Reg. No. 83472-3

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, Forests, and Turf

Sublabel C: Agricultural Uses – Post Harvest Application

For use on Potatoes, Sweet Potatoes, Yams and other Tuber Crops, Citrus and Citrus Hybrids, Avocado, Carrots, Pome fruit, Stone fruit, Banana and Plantains, Mango, Papaya, Pineapple, Lychee, Mangosteen, Wax Apple, Longan, Carambola, Guava and certain Cut Flowers

ACTIVE INGREDIENTS:

Mono- and di-potassium salts of Phosphorous Acid*	99.0%
OTHER INGREDIENTS	<u>1.0%</u>
TOTAL	100.0%

* Equivalent to 0.68 pounds Phosphorous Acid per pound

KEEP OUT OF REACH OF CHILDREN
CAUTION

EPA Reg. No. 83472-3

EPA Est. No. 73771-CA-1

NET CONTENTS: 5 Lbs [pounds] [25 Lbs] [various]

Manufactured For:

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

Sub Label A – Agricultural Uses

FUNGI-PHITE® DF

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

ACTIVE INGREDIENTS:

Mono- and di-potassium salts of Phosphorous Acid*.....99.0%

OTHER INGREDIENTS:.....1.0%

TOTAL.....100.0%

* Equivalent to 0.68 pounds Phosphorous Acid per pound

KEEP OUT OF REACH OF CHILDREN

CAUTION

See [Back] [Side] [Other] Panel for Precautionary Statements

FIRST AID

If swallowed	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to by a poison control center or doctor. • Do not give anything to an unconscious person.
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.

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.

EPA Reg. No. 83472-3

EPA Est. No. 73771-CA-1

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

Net Contents _____ pounds [lbs.]

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

Harmful if swallowed. Causes moderate eye irritation. Avoid contact with eyes or clothing. Wear protective eyewear. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

All mixers, loaders, 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 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

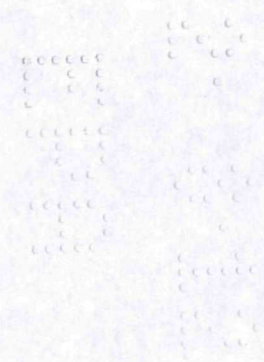
Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsate.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

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

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 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 (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 (<i>Pythium</i> , <i>Phytophthora</i>)	For use with plants grown in recirculating hydroponic systems to aid in the control of pathogens.	Add 1.25 to 2.5 pounds Fungi-Phite® DF per 5000 Gallons of 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® DF 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 1/2 to 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 product's 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 and evaluate 3-7 days later for visual effects.

AVOCADO

DISEASE	APPLICATION METHOD	APPLICATION RATE	APPLICATION PROGRAM
Canker (<i>Phytophthora citricola</i>)	Trunk Spray	Mix 1.25 to 2.50 pounds in 5 gallons 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.
Root Rot (<i>Phytophthora cinnamomi</i>)	Foliar Spray Aerial:	Apply 1.25 to 2.50 pounds/acre in a minimum of 20 gallons/acre of water.	Apply up to 6 applications per year at 4-8 week intervals at the start of the growing season.
	Ground:	Apply 2.50 pounds/acre in a minimum of 100 gallons/acre of water	
	Chemigation Low Volume:	Apply 2.5 to 3.75 pounds/acre in a minimum of 100 gallons/acre of water	Apply one time in the Spring, Summer and Fall.
	Trunk Injection	Mix a 9.0% w/w solution (1.5 pounds per 2 gallons).	Inject (according to injection equipment instructions) 0.5 fl oz of the diluted Fungi-Phite® DF 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.
Downy Mildew	Foliar Spray Ground:	Apply 30 ounces/acre in a minimum of 100 gallons/acre of water.	Apply at the first onset of the disease and repeat at 7-10 day intervals until disease abatement.
†Suppression** of Powdery Mildew	Foliar Spray Ground:	Apply 30 ounces/acre in a minimum of 100 gallons/acre 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.

†BANANAS

DISEASE	APPLICATION METHOD	APPLICATION RATE	APPLICATION PROGRAM
Suppression** of Root Rot Complex and Sigatoka	Foliar Spray Aerial:	Apply 1.25 to 2.50 pounds/acre. At the low rate, use 3 gallons/acre of water and at the high rate; use 6 gallons/acre of water.	Apply every 4 weeks as needed.
	Ground:	Apply 1.25 to 2.50 pounds/acre in a minimum of 15 gallons/acre of water.	
	Trunk Injection	Mix a 1.5% w/w solution (1.9 pounds/10 gallons of water).	Inject 40 ml of the diluted product (according to injection equipment instructions) into the pseudostem, 1-5 feet [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 when the mother plant is harvested.
	Chemigation	Apply 2.5 to 3.75 pounds/acre in at least 100 gallons/acre of water.	Apply 4 times per year.
Suppression** of Bunch Diseases	Foliar Spray	Mix a 0.2% w/w spray solution (2.5 oz/10 gallons 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.

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

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, and Raspberry.

DISEASE	APPLICATION METHOD	APPLICATION RATE	APPLICATION PROGRAM
<i>Phytophthora</i> and <i>Pythium</i> spp.	Foliar Spray Aerial:	Apply 1.25 to 2.0 pounds/acre in a minimum of 20 gallons/acre 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 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 1.25 to 2.50 pounds/acre in a minimum of 100 gallons/acre of water.	
	Root Dip	Mix a 1.5% w/w solution (1.25 pounds/10 gallons 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: Low Volume:	Apply 1.25 to 2.50 pounds/acre in a minimum of 1,000 gallons/acre of water. Apply 2.5 to 3.75 pounds/acre in a minimum of 100 gallons/acre of water.	Apply with normal irrigation schedule. Follow Disease Programs* as stated above. Do not apply more than 4 times per crop cycle.
Downy Mildew	Foliar Spray Aerial:	Apply 1.25 to 2.0 pounds/acre in a minimum of 20 gallons/acre 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 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® DF is best used in combination with conventional registered fungicides to increase the performance of the disease control program.
	Ground:	Apply 1.25 to 2.50 pounds/acre in a minimum of 100 gallons/acre.	
† Suppression** of general leaf and berry diseases such as those caused by <i>Septoria</i> spp. and <i>Anthraco</i> se spp.	Foliar Spray Aerial: Ground:	Apply 1.25 to 2.0 pounds/acre in a minimum of 20 gallons/acre of water. Apply 1.25 to 2.5 pounds/acre in a minimum of 100 gallons/acre 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 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.

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

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> spp. † Suppression** of Bacterial Diseases	Foliar Spray Aerial:	Apply 1.25 to 2.0 pounds/acre in a minimum of 10 gallons/acre 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 1.25 to 2.0 pounds/acre in a minimum of 30 gallons/acre of water.	
	Transplant and Furrow Application:	Apply 2 pounds at planting or to newly planted seedlings or shank application.	Apply with normal irrigation schedule. Follow Disease Programs* as stated above. Do not apply more than 6 times per crop cycle.
	Chemigation Overhead:	Apply 1.25 to 2.50 pounds/acre in a minimum of 1,000 gallons/acre of water.	
	Low Volume:	Apply 2.5 to 3.75 pounds/acre in a minimum of 100 gallons/acre of water.	
Downy Mildew	Foliar Spray Aerial:	Apply 1.25 to 2.0 pounds/acre in a minimum of 10 gallons/acre of water.	Low Disease Pressure* : Apply lower rate at the first onset of the disease. Repeat applications at 10 to 14 day 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 to 10 day intervals. Do not apply more than 6 times per crop cycle.
	Ground:	Apply 1.25 to 2.50 pounds/acre in a minimum of 30 gallons/acre of water.	

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BRASSICA CROPS, such as:

Broccoli, Broccoli Raab (Rapini), Brussels Sprouts, Cabbage, Chinese Broccoli (Gai Ion), 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
Root Rots and Damping Off (<i>Phytophthora</i> and <i>Pythium</i> spp.) † Suppression** of Bacterial Diseases	Foliar Spray Aerial:	Apply 1.25 to 2.0 pounds/acre in a minimum of 10 gallons/acre 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 1.25 to 2.50 pounds/acre in a minimum of 30 gallons/acre of water.	
	Pre-Plant Seedling Nursery Treatment:	Apply 1.25 pounds per 100 gallons of water to nursery plants in seedling trays 1-7 days prior to out planting.	
	Transplant and Furrow Application:	Apply 2 pounds at planting or to newly planted seedling by side dressing or shank application.	
Downy Mildew	Foliar Spray Aerial:	Apply 1.25 to 2.0 pounds/acre in a minimum of 10 gallons/acre 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 1.25 to 2.50 pounds/acre in a minimum of 30 gallons/acre of water.	
† Suppression** of leaf diseases caused by <i>Septoria</i> , <i>Colletotrichum</i> , <i>Alternaria</i> and Powdery Mildew	Foliar Spray Aerial:	Apply 1.25 to 2.0 pounds/acre in a minimum of 10 gallons/ acre 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 1.25 to 2.5 pounds/acre in a minimum of 30 gallons/acre of water.		

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

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, Teosinte, Trefoil, Triticale, Vetch, Wheat and Wild Rice.

DISEASE	APPLICATION METHOD	APPLICATION RATE	APPLICATION PROGRAM
<i>Phytophthora</i> and <i>Pythium</i> spp. † Suppression** of <i>Fusarium</i> , <i>Rhizoctonia</i> and Head Diseases	Foliar Spray	Apply 10 to 30 ounces/acre in a minimum of 15 gallons/acre 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. Apply with normal irrigation schedule. Follow Disease Programs* as stated above. Do not apply more than 6 times per crop cycle.
	Aerial:		
	Ground:	Apply 10 to 40 ounces/acre in a minimum of 100 gallons/acre of water.	
Downy Mildew	Chemigation	Apply 2.5 to 5.0 pounds/acre in a minimum of 1,000 gallons/acre 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.
	Overhead:	Apply 2.5 to 5.0 pounds/acre in a minimum of 100 gallons/acre of water.	
	Low Volume:		
† Suppression** of Powdery Mildew	Foliar Spray	Apply 10 to 30 ounces/acre in a minimum of 15 gallons/acre 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 first onset of the disease. Repeat applications at 7-10 day intervals. Do not apply more than 6 times per crop.
	Aerial:		
	Ground:	Apply 10 to 40 ounces/acre in a minimum of 100 gallons/acre 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 spp.</i>)	Foliar Spray Aerial:	Apply 2.50 pounds/acre in a minimum of 15 gallons/acre of water.	Apply 3-4 times per year during the Spring, Summer, and Fall when conditions favor disease development.
	Ground:	Apply 2.50 pounds/acre in a minimum of 100 gallons/acre of water.	
	Chemigation Low Volume:	Apply 2.5 to 3.75 pounds/acre in a minimum of 100 gallons/acre 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 1.25 to 2.50 pounds in 5 gallons 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 2.50 pounds/acre in a minimum of 100 gallons/acre 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 spp.</i>)	Soil Drench:	Apply 3.5 ounces of a 1.2% w/v solution (24 ounces per 10 gallons) in a 1 foot swath around the base of each tree.	Curative: Apply every 3 months Preventative: Apply once per year.
	Stem Injections:	Mix a 9.3% w/w solution (12.5 ounces/gallon).	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
Root Rots and Damping Off (<i>Phytophthora</i> and <i>Pythium</i> spp.)	Foliar Spray Aerial:	Apply 1.25 to 2.0 pounds/acre in a minimum of 10 gallons/acre 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 1.25 to 2.50 pounds/acre in a minimum of 30 gallons/acre of water.	
	Pre-Planting Seedling Nursery Application:	Apply 1.25 pounds/100 gallons water to nursery plants in seedling trays 1-7 days prior to out planting.	
	Transplant and Furrow Application:	Apply 2 pounds at planting or to newly planted seedling by side dressing or shank application.	
Downy Mildew	Foliar Spray Aerial:	Apply 1.25 to 2.0 pounds/acre in a minimum of 10 gallons/acre 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 1.25 to 2.50 pounds/acre in a minimum of 30 gallons/acre 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 1.25 to 2.0 pounds/acre in a minimum of 10 gallons/acre of water.	Low Disease Pressure*: Apply lower rate at the first onset of the disease. Repeat application 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 to 2.5 pounds/acre in a minimum of 30 gallons/acre 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
Damping Off and Root Rots) (<i>Phytophthora</i> and <i>Pythium spp.</i>) †Suppression** of Bacterial Diseases	Foliar Spray		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. For control of Bacterial leaf spot of Tomato, apply the high rate of Fungi-Phite® DF with registered bacteriacides.
	Aerial:	Apply 1.25 to 2.0 pounds/acre in a minimum of 10 gallons/acre of water.	
	Ground:	Apply 1.25 to 3.0 pounds/acre in a minimum of 30 gallons/acre of water.	
	Pre-Plant Seedling Nursery Application:	Apply 1.25 pounds/100 gallons water to nursery plants in seedling trays 1-7 days prior to out planting.	
	Transplant and Furrow Applications:	Apply 2.0 pounds at planting or to newly planted seedlings by side dressing or shank application.	
	Chemigation Overhead:	Apply 1.25 to 2.50 pounds/acre in a minimum of 1,000 gallons/acre 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 2.5 to 3.75 pounds/acre in a minimum of 100 gallons/acre of water.	
Downy Mildew	Foliar Spray		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.
	Aerial:	Apply 1.25 to 2.0 pounds/acre in a minimum of 10 gallons/acre of water.	
	Ground:	Apply 1.25 to 2.50 pounds/acre in a minimum of 30 gallons/acre of water.	
†Suppression** of Powdery Mildew and other Leaf Diseases such as Anthracnose and Alternaria Leaf Blight	Foliar Spray		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.
	Aerial:	Apply 1.25 to 2.0 pounds/acre in a minimum of 10 gallons/acre of water.	
	Ground:	Apply 1.25 to 2.5 pounds/acre in a minimum of 30 gallons/acre of water.	

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

GRAPES

DISEASE	APPLICATION METHOD	APPLICATION RATE	APPLICATION PROGRAM
Root Rots (<i>Phytophthora</i> and <i>Pythium spp.</i>)	Foliar Spray Aerial:	Apply 1.25 to 2.0 pounds/acre in a minimum of 15 gallons/acre 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. 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.
	Ground:	Apply 1.25 to 2.50 pounds/acre in a minimum of 50 gallons/acre of water.	
	Chemigation Low Volume:	Apply 2.50 pounds/acre in a minimum of 100 gallons/acre of water.	Apply 4-6 times per crop cycle.
Downy Mildew	Foliar Spray Aerial:	Apply 2.0 to 2.5 pounds/acre in a minimum of 15 gallons/acre of water.	Begin applications at bud break with additional applications 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 2.0 to 2.50 pounds/acre in a minimum of 50 gallons/acre of water. Fungi-Phite® is most effectively applied to control downy mildew when tank mixed with other registered fungicide.	
†Suppression** of Powdery Mildew	Foliar Spray Aerial:	Apply 2.0 to 2.5 pounds/acre in a minimum of 10 gallons/acre 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 2.0 to 2.5 pounds/acre in a minimum of 30 gallons/acre of water.	

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

HERB AND SPICE CROPS, such as:

Allspice, Angelica, Anise, Annatto, Balm, Basil, Borage, Burnet, Camomile, Caper Buds, Caraway, Cardamom, Cassia (bark and buds), Catnip, Celery Seed, Chervil, Chive, Cinnamon, Clary, Clove, Cocoa, Coriander, Costmary, Cilantro, Cumin, Curry, Dill, Fennel, Fenugreek, Grains of Paradise, Horehound, Hyssop, Juniper Berry, Lavender, Lemongrass, Lovage, Mace, Marigold, Marjoram, Mint, Mustard, Nasturtium, Nutmeg, Parsley, Pennyroyal, Pepper, Poppy seed, Rosemary, Rue, Saffron, Sage, Savory, Sweet Bay, Tansy, Tarragon, Thyme, Vanilla, Wintergreen, Woodruff and Wormwood.

DISEASE	APPLICATION METHOD	APPLICATION RATE	APPLICATION PROGRAM
Root Rots and Damping Off <i>(Phytophthora and Pythium spp.)</i> †Suppression** of <i>Fusarium</i> and <i>Rhizoctonia</i>	Foliar Spray		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.
	Aerial:	Apply 1.25 to 2.0 pounds/acre in a minimum of 10 gallons/acre of water.	
	Ground:	Apply 1.25 to 2.50 pounds/acre in a minimum of 30 gallons/acre of water.	
	Pre-Plant Nursery Treatment	Apply 1.25 pounds/100 gallons water to nursery plants in seedling trays 1-7 days prior to out planting.	
	Transplant and Furrow Application	Apply 2.0 pounds at planting or to newly planted seedling by side dressing or shank application	
	Chemigation Overhead:	Apply 2.5 to 3.75 pounds/acre in a minimum of 1,000 gallons/acre 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 2.5 to 3.75 pounds/acre in a minimum of 100 gallons/acre of water.	
Downy Mildew	Foliar Spray		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.
	Aerial:	Apply 1.25 to 2.0 pounds/acre in a minimum of 10 gallons/acre of water.	
	Ground:	Apply 1.25 to 2.50 pounds/acre in a minimum of 30 gallons/acre of water.	
†Suppression** of Powdery Mildew	Foliar Spray		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.
	Aerial:	Apply 2.0 to 2.5 pounds/acre in a minimum of 10 gallons/acre of water.	
	Ground:	Apply 2.0 to 2.5 pounds/acre in a minimum of 30 gallons/acre of water.	

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

†HOPS

DISEASE	APPLICATION METHOD	APPLICATION RATE	APPLICATION PROGRAM
Downy Mildew	Foliar Spray Aerial: Ground:	Apply 1.25 to 2.0 pounds/acre in a minimum of 10 gallons/acre of water. Apply 1.25 to 2.50 pounds/acre in a minimum of 25 gallons/acre 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.

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

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 spp.</i>)	Foliar Spray		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.
	Aerial:	Apply 1.25 to 2.50 pounds/acre in a minimum of 10 gallons/acre of water.	
	Ground:	Apply 1.25 to 2.50 pounds/acre in a minimum of 30 gallons/acre of water.	
	Pre-Plant Nursery Application	Apply 1.25 pounds/100 gallons water to nursery plants in seedling trays 1-7 days prior to out planting.	
	Chemigation Overhead:	Apply 1.25 to 2.50 pounds/acre in a minimum of 1,000 gallons/acre 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 1.25 to 2.50 pounds/acre in a minimum of 100 gallons/acre of water.	
	Transplant and Furrow Application	Apply 2.0 pounds at planting.	
Downy Mildew	Foliar Spray		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.
	Aerial:	Apply 1.25 to 2.50 pounds/acre in a minimum of 10 gallons/acre of water.	
	Ground:	Apply 1.25 to 2.50 pounds/acre in a minimum of 30 gallons/acre of water.	
† Suppression** of Powdery Mildew and Leaf Diseases such as Anthracnose (<i>Colletotrichum spp.</i>), Leaf Blights (<i>Septoria</i> & <i>Cercospora spp.</i>) and Bacterial Rots (<i>Erwinia spp.</i>)	Foliar Spray		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.
	Aerial:	Apply 2.0 to 2.5 pounds/acre in a minimum of 10 gallons/acre of water.	
	Ground:	Apply 2.0 to 2.5 pounds/acre in a minimum of 30 gallons/acre 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> spp. †Suppression** of <i>Fusarium</i> and <i>Rhizoctonia</i>	Foliar Spray		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.
	Aerial:	Apply 1.25 to 2.5 pounds/acre in a minimum of 10 gallons/acre of water.	
	Ground:	Apply 1.25 to 2.5 pounds/acre in a minimum of 30 gallons/acre of water.	
	Pre-Plant Nursery Application	Apply 1.25 pounds/100 gallons water to nursery plants in seedling trays 1-7 days prior to out planting.	
	Transplant and Furrow Application	Apply 2.0 pounds at planting or to newly planted seedling by side dressing or shank application	
Chemigation	Overhead:	Apply 1.25 to 2.5 pounds/acre in a minimum of 1,000 gallons/acre 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 2.5 to 5.0 pounds/acre in a minimum of 100 gallons/acre of water.	
	Transplant Application	Apply 2.0 pounds at planting.	
Downy Mildew	Foliar Spray		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.
	Aerial:	Apply 1.5 to 2.5 pounds/acre in a minimum of 10 gallons/acre of water.	
	Ground:	Apply 1.25 to 3.75 pounds/acre in a minimum of 30 gallons/acre of water.	
†Suppression** of Powdery Mildew and Leaf Diseases such as Anthracnose (<i>Colletotrichum</i> spp.), Leaf Blights (<i>Septoria</i> & <i>Cercospora</i> spp.) and Bacterial Rots (<i>Erwinia</i> spp.)	Foliar Spray		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.
	Aerial:	Apply 2.0 to 2.5 pounds/acre in a minimum of 10 gallons/acre of water.	
	Ground:	Apply 2.0 to 2.5 pounds/acre in a minimum of 30 gallons/acre of water.	

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

MISCELLANEOUS FOOD CROPS, such as:

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

DISEASE	APPLICATION METHOD	APPLICATION RATE	APPLICATION PROGRAM	
<i>Phytophthora</i> and <i>Pythium</i> spp. † Suppression** of Bacterial and Leaf Diseases such as Coffee Berry Disease, (<i>Colletotrichum</i> spp.), Anthracnose (<i>Colletotrichum</i> spp.) and Various Leaf Spots (<i>Septoria</i> and <i>Cercospora</i> spp.)	Foliar Spray Aerial:	Apply 1.25 to 2.50 pounds/acre in a minimum of 10 gallons/acre 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 1.25 to 2.50 pounds/acre in a minimum of 100 gallons/acre of water.		
	Root Dip	Mix a 1.5% w/v solution (20 ounces/100 gallons of water.		Apply as pre-plant dip to transplants immediately prior to planting. Dip plants momentarily and plant within 48 hours. Mix a fresh solution daily.
	Chemigation Overhead:	Apply 2.5 to 3.75 pounds/acre in a minimum of 1000 gallons/acre 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 2.5 to 5.0 pounds/acre in a minimum of 100 gallons/acre of water.		
Transplant and Furrow application	Apply 2.0 pounds at planting or to newly planted seedling by side dressing or shank application			
<i>Phytophthora</i> spp. Pruning Wound and Trunk Canker	Trunk Spray	Mix 1.25 to 2.50 pounds with 5 gallons 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 in Spring, Summer, and Fall.	
Downy Mildew	Foliar Spray Aerial:	Apply 1.25 to 3.75 pounds/acre in a minimum of 10 gallons/acre 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 1.25 to 3.75 pounds/acre in a minimum of 100 gallons/acre of water.		
† Suppression** of Powdery Mildew	Foliar Spray Aerial:	Apply 1.25 to 3.75 pounds/acre in a minimum of 10 gallons/acre 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 1.25 to 3.75 pounds/acre in a minimum of 100 gallons/acre of water.		

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

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> spp. † Suppression** of Bacterial and Leaf Diseases such as, Anthracnose (<i>Colletotrichum</i> spp) and Various Leaf Spots (<i>Septoria</i> and <i>Cercospora</i> spp)	Foliar Spray Aerial:	Apply 0.65 to 1.25 pounds/acre in a minimum of 15 gallons/acre 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 0.65 to 2.50 pounds/acre in a minimum of 30 gallons/acre of water.	
	Chemigation Overhead:	Apply 2.5 to 3.75 pounds/acre in a minimum of 1,000 gallons/acre of water.	
	Low Volume:	Apply 2.5 to 5.0 pounds/acre in a minimum of 100 gallons/acre 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 1.25 to 3.75 pounds/acre in a minimum of 10 gallons/acre 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 1.25 to 3.75 pounds/acre in a minimum of 30 gallons/acre) of water.	
† Suppression** of Powdery Mildew	Foliar Spray Aerial:	Apply 1.25 to 3.75 pounds/acre in a minimum of 10 gallons/acre 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 1.25 to 3.75 pounds/acre in a minimum of 100 gallons/acre of water.	

†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>Colletotrichum</i> spp.)	Foliar Spray Aerial:	Apply 1.25 to 2.5 pounds/acre in a minimum of 10 gallons/acre 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 rates at 7-10 day intervals. Do not apply more than 6 times per crop cycle.
	Ground:	Apply 1.25 to 3.0 pounds/acre in a minimum of 100 gallons/acre of water.	
	Transplant and Furrow Application:	Apply 2.0 pounds 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

DISEASE	APPLICATION METHOD	APPLICATION RATE	APPLICATION PROGRAM
Heart Rot and Root Rot (<i>Phytophthora spp.</i>)	Dip	Mix a 0.3% w/v solution (2.5 pounds/100 gallons of water).	Immerse planting material in solution for 1 minute prior to planting.
	Foliar Spray	Apply 2.0 to 2.5 pounds/acre in a minimum of 15 gallons/acre of water.	Preventative: Apply every 4-6 months. Curative: Apply every 2-3 months.
	Aerial:		
	Ground:	Apply 2.0 to 2.5 pounds/acre in a minimum of 200 gallons/acre of water.	
Chemigation Low Volume:	Apply 3.0 pounds/acre in a minimum of 500 gallons/acre of water.	Apply 4 times per year during the Spring, Summer and Fall.	

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

POME FRUIT CROPS, such as:

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

DISEASE	APPLICATION METHOD	APPLICATION RATE	APPLICATION PROGRAM
Root Rot, Collar Rot, Foot Rot and Trunk Cankers (<i>Phytophthora</i> and <i>Pythium spp.</i>) †Suppression** of Fire Blight, Blister Spot, Blue and Green Mold, Alternaria Blotch, Blister Spot and Pear Black Spot	Chemigation Overhead:	Apply 2.5 to 3.75 pounds/acre in a minimum of 1,000 gallons/acre of water.	Apply with normal irrigation schedule. Follow Disease Programs* as stated above. Do not apply more than 6 times per crop cycle. Disease Prevention/Low Pressure Program*: 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. Disease Control/High Pressure Program*: 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.
	Foliar:	Apply 1.25 to 3.0 pounds/acre in a minimum of 100 gallons/acre of water.	
	Trunk Spray	Mix 1.25 to 2.50 pounds with in 5 gallons of water.	Use higher rates when lesions are present. Clean the wound site and apply on an 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	Apply 1.25 to 2.50 pounds/acre in a minimum of 20 gallons/acre 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 4 times per crop cycle.
	Aerial:		
	Ground:	Apply 1.25 to 3.75 pounds/acre in a minimum of 100 gallons/acre of water.	

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

POTATOES

DISEASE	APPLICATION METHOD	APPLICATION RATE	APPLICATION PROGRAM
Pink Rot, Pythium Leak (<i>Phytophthora infestans</i> , <i>P. erythroseptica</i> and <i>Pythium spp.</i>) Suppression** of Late Blight	Foliar Spray Aerial: Ground:	Apply 1.25 to 2.50 pounds/acre in a minimum of 20 gallons/acre of water. Apply 1.25 to 3.0 pounds/acre in a minimum of 50 gallons/acre 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. **Late Blight management using Fungi-Phite® DF requires the high application rate and is most effectively applied when tank mixed with other registered fungicides.
	Chemigation Overhead: Low Volume:	Apply 2.5 to 3.75 pounds/acre in a minimum of 1,000 gallons/acre of water. Apply 2.5 to 3.75 pounds/acre in a minimum of 100 gallons/acre of water.	Apply with normal irrigation schedule. Follow Disease Programs* as stated above. Do not apply more than 4 times per crop cycle.
	Seed Piece Spray	Mix a 9% w/w solution (12 ounces per gallon of water). Treat 2 tons of tubers with 1 gallon of solution.	Treat seed pieces with a full coverage spray.
	†Suppression** of Powdery Mildew	Foliar Spray Aerial: Ground:	Apply 1.25 to 3.75 pounds/acre in a minimum of 20 gallons/acre of water. Apply 1.25 to 3.75 pounds/acre in a minimum of 50 gallons/acre of water.

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

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, Salisify (all types), Skirret, Sweet Potato, Tanier, Turmeric, Turnip, Yam (all types).

DISEASE	APPLICATION METHOD	APPLICATION RATE	APPLICATION PROGRAM
<i>Phytophthora and Pythium spp.</i> † Suppression** of Foliar and Bacterial Diseases	Foliar Spray Aerial:	Apply 1.25 to 2.50 pounds/acre in a minimum of 10 gallons/acre 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 1.25 to 2.50 pounds/acre in a minimum of 30 gallons/acre of water.	
	Pre-Plant Nursery Seedling Application:	Apply 1.25 pounds/100gallons water to nursery plants in seeding trays 1-7 days prior to out planting.	
	Root and Tuber Dip	Mix a 0.3% solution (2.50 pounds/100 gallons of water).	
	Chemigation Overhead:	Apply 2.5 to 3.75 pounds/acre in a minimum of 1,000 gallons/acre of water.	
	Low Volume:	Apply 2.5 to 5.0 pounds/acre in a minimum of 100 gallons/acre 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 and Furrow Application:	Apply 2.0 pounds at planting or to newly planted seedling by side dressing or shank application.	
Downy Mildew	Foliar Spray Aerial:	Apply 1.25 to 3.75 pounds/acre in a minimum of 10 gallons/acre 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 1.25 to 3.75 pounds/acre in a minimum of 30 gallons/acre of water.	

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

STONE FRUIT CROPS, such as:

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

DISEASE	APPLICATION METHOD	APPLICATION RATE	APPLICATION PROGRAM
Root Rot, Crown Rot, Collar Rot and Foot Rot (<i>Phytophthora</i> and <i>Pythium</i> spp.)	Trunk and Scaffold Branches Spray	Mix 1.25 to 2.5 pounds in 5 gallons 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 0.15% w/v solution (20 ounces/100 gallons 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: Low Volume:	Apply 2.5 to 3.75 pounds/acre in a minimum of 1,000 gallons/acre of water. Apply 2.5 to 5.0 pounds/acre in a minimum of 100 gallons/acre of water.	Apply with normal irrigation schedule. Follow Disease Programs* as stated above. Do not apply more than 4 times per crop cycle. 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>Anthonomas</i> spp.)	Foliar Spray Aerial: Ground:	Apply 1.25 to 3.75 pounds/acre in a minimum of 20 gallons/acre of water. Apply 1.25 to 3.75 pounds/acre in a minimum of 100 gallons/acre 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.

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

STRAWBERRY

DISEASE	APPLICATION METHOD	APPLICATION RATE	APPLICATION PROGRAM
Red Stele, Leather Rot and Root Rot (<i>Phytophthora</i> and <i>Pythium</i> spp.) † Suppression** of Foliar Fungal and Bacterial Diseases (<i>Anthraco</i> se, <i>Rhizopus</i>)	Foliar Spray		
	Aerial:	Apply 1.25 to 2.50 pounds/acre in a minimum of 20 gallons/acre of water.	Begin application during active plant growth. Repeat on a 2-4 week interval when conditions favor disease development.
	Ground:	Apply 1.25 to 2.50 pounds/acre in a minimum of 50 gallons/acre 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.
	Chemigation Overhead:	Apply 2.5 to 3.75 pounds/acre in a minimum of 1,000 gallons/acre 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.
	Low Volume:	Apply 2.5 to 5.0 pounds/acre in a minimum of 100 gallons/acre) 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.
	Transplant and Furrow Application	Apply 2.0 pounds at planting or to newly planted seedling by side dressing or shank application.	Grey mold and Anthracnose suppression using Fungi-Phite® DF requires the use of the high application rates and is most effectively applied when tank mixed with other registered fungicides.
† <i>Phytophthora</i> spp.	Dip	Mix a 0.15% w/ v solution (20 ounces/100 gallons of water.	Dip runners in the solution for 1-2 minutes. Plant within 48 hours. Mix a fresh solution daily.
† Suppression** of Powdery Mildew	Foliar Spray		
	Aerial:	Apply 1.25 to 2.0 pounds/acre in a minimum of 20 gallons/acre 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 1.25 to 2.50 pounds/acre in a minimum of 50 gallons/acre 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.

†TOBACCO

DISEASE	APPLICATION METHOD	APPLICATION RATE	APPLICATION PROGRAM
Root Rot and Damping Off (<i>Phytophthora</i> and <i>Pythium</i> spp.)	Foliar Spray		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.
	Aerial:	Apply 1.25 to 2.50 pounds/acre in a minimum of 20 gallons/acre of water.	
Blue Mold (<i>Peronospora tabacina</i>)	Ground:	Apply 1.25 to 2.50 pounds/acre in a minimum of 100 gallons/acre of water.	
	Pre-Plant Nursery Seeding Application:	Apply 1.25 pounds/100 gallons water to nursery plants in seedling trays 1-7 days prior to out planting.	
Black Shank (<i>P. parasitica</i>) and Root Declines	Chemigation Overhead:	Apply 1.25 to 2.50 pounds/acre in a minimum of 1,000 gallons/acre 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 2.5 to 3.75 pounds/acre in a minimum of 100 gallons/acre of water.	

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

KIWI, OLIVES AND TREE NUT CROPS, such as:

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

DISEASE	APPLICATION METHOD	APPLICATION RATE	APPLICATION PROGRAM
Root Rots, Crown Rots (<i>Phytophthora</i> and <i>Pythium spp.</i>) Trunk Cankers, Foliar Blights. † Suppression** of Foliar Bacterial and Fungal Diseases Anthracnose (<i>Colletotrichum spp.</i>), Hull Rot (<i>Monilia spp.</i>), Flower Diseases (<i>Cladosporium spp.</i>), Alternaria Leaf Spots (<i>Alternaria spp.</i>), Raceme Blight (<i>Phytophthora spp.</i>) in Macadamia.	Foliar Spray Aerial:	Apply 1.25 to 2.5 pounds/acre in a minimum of 20 gallons/acre of water.	Begin application during active plant growth after plants are established and conditions favor disease development. Disease Prevention/Low Pressure Program* : Apply lower rate at 3 monthly intervals. Do not apply more than 4 times per crop cycle. Disease Control/High Pressure Program* : Apply higher rate at monthly intervals. Do not apply more than 4 times per crop cycle.
	Ground:	Apply 1.25 to 2.5 pounds/acre in a minimum of 100 gallons/acre of water.	
	Root Dip	Mix a 0.3% w/v solution (40 ounces/100 gallons of water.	Apply as pre-plant dip to the roots for 30 seconds. Plant within 48 hours after dipping. Mix a fresh solution daily.
	Chemigation Overhead:	Apply 2.5 to 3.75 pounds/acre in a minimum of 1,000 gallons/acre 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 2.5 to 5.0 pounds/acre in a minimum of 100 gallons/acre of water.	
<i>Phytophthora spp.</i> Pruning Wound, Crown and Trunk Canker	Trunk Spray	Mix 1.25 to 2.5 pounds with 5 gallons 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.
Downy Mildew (<i>Peronospora spp.</i>) † Suppression** of Powdery Mildew (<i>Phytophthora spp.</i>)	Foliar Spray Aerial:	Apply 1.25 to 2.5 pounds/acre in a minimum of 20 gallons/acre 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 1.25 to 2.5 pounds/acre in a minimum of 100 gallons/acre of water.	

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

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

**Suppression: Fungi-Phite® DF has suppressive properties on diseases caused by certain bacteria or fungi. When applying Fungi-Phite® DF 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 during storage or disposal.

PESTICIDE STORAGE: Keep away from fire and sparks. Store in a cool, dry, well ventilated area.

Do not allow stored product to become wet or overheated in storage; decomposition, impaired activity, or fire may result. Keep container closed when not in use.

Do not stack pallets of containers more than three pallets high. Provide access aisle for each two rows. Decomposition produces a foul odor; if observed, check for hot containers and immediately remove to open areas for disposal.

PESTICIDE DISPOSAL: To avoid wastes, use all material in this container by application according to label directions. If wastes cannot be avoided, offer remaining product to a waste disposal facility or pesticide disposal program (often such programs are run by state or local governments or by industry).

CONTAINER HANDLING:

[Nonrefillable Container (flexible-bag-all weights): Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available.]

[Nonrefillable Container (rigid-fifty lbs. or less): Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.]

[Nonrefillable Container (rigid-greater than fifty lbs.): Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.]

[FOR CHEMICAL EMERGENCY ONLY (SPILL, LEAK, OR FIRE), CALL [CHEMTREC AT 1-800-424-9300].]

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 02-06-2012]

330948

Sub Label B Turf & Ornamental Label

FUNGI-PHITE® DF
[Alternate Brand Name FUNGI-PHITE® DF T&O]
[Alternate Brand Name TURF-PHITE®]

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

ACTIVE INGREDIENTS:

Mono- and di-potassium salts of Phosphorous Acid*99.0%

OTHER INGREDIENTS:.....1.0%

TOTAL.....100.0%

* Equivalent to 0.68 pounds Phosphorous Acid per pound

KEEP OUT OF REACH OF CHILDREN
CAUTION

See [Back] [Side] [Other] Panel for Precautionary Statements

FIRST AID

If swallowed	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to by a poison control center or doctor. • Do not give anything to an unconscious person.
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.

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.

EPA Reg. No. 83472-3

EPA Est. No. 73771-CA-1

Manufactured For:

Plant Protectants, LLC
35801 Road 132 -Visalia, CA 93292

Net Contents _____pounds [lbs.]

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION

Harmful if swallowed. Causes moderate eye irritation. Avoid contact with eyes or clothing. Wear protective eyewear. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- long-sleeved shirt and long pants
- waterproof gloves
- 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 when wind speed favors drift beyond the area intended for treatment.

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 in to 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; or drip (trickle). 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 1/2 to 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.

ROSES

DISEASE	APPLICATION METHOD	APPLICATION RATE	APPLICATION PROGRAM
Root Rot and Cankers (<i>Phytophthora</i> and <i>Pythium</i> spp.)	Soil Drench Soil Incorporation:	Mix 1.25 to 2.50 pounds in 100 gallons of water. Mix 2.5 to 10 ounces/cubic yard of soil media.	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 1.25 to 2.50 pounds/sq ft (5-10 L/m ²) 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). Mix product with soil media immediately before potting. If conditions are favorable for disease development, applications as a foliar spray or drench will enhance protection.
Downy Mildew Bacterial Blight (<i>Xanthomonas</i> spp.) †Suppression** of Foliar Diseases and Black Spot (<i>Diplocarpon</i> spp.)	Foliar Spray	Apply 1.25 to 2.5 pounds/acre in a minimum of 100 gallons/acre of water.	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.
†Suppression** of Powdery Mildew	Foliar Spray Aerial:	Apply 1.25 to 2.0 pounds/acre in a minimum of 20 gallons/acre 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

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DISEASE	APPLICATION METHOD	APPLICATION RATE	APPLICATION PROGRAM
	Ground:	Apply 1.25 to 2.5 pounds/acre in a minimum of 75 gallons/acre of water.	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.

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
Root and Crown Rots, Stem Cankers and Foliar Blight. <i>Phytophthora</i> and <i>Pythium spp.</i> †Suppression** of Foliar Diseases	Foliar Spray	Apply 1.25 to 2.0 pounds/acre in a minimum of 20 gallons/acre of water.	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 (1.25 pounds/100 gallons/acre of water or 2 L/950 L/ha of water). Do not apply more than 6 times per crop cycle.
	Aerial:		
	Ground:	Apply 1.25 to 2.50 pounds/acre in a minimum of 100 gallons/acre of water.	
	Soil Drench	Mix 4 to 8 ounces in 100 gallons 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 0.65 to 1.25 pounds/cubic yard of soil.	Mix immediately before potting. If conditions are favorable for disease development, a foliar spray or soil drench application will enhance protection.
Downy Mildew	Root Dip	Mix a 0.15% w/v solution (20 ounces/100 gallons 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:	Apply 2.50 pounds/acre in a minimum of 1,000 gallons/acre 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.
†Suppression** of Powdery Mildew	Low Volume:	Apply 1.25 to 2.50 pounds/acre in a minimum of 100 gallons/acre of water.	
	Foliar Spray	Apply 0.65 to 1.25 pounds/acre in a minimum of 20 gallons/acre 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. Application amount depends upon plant type, maturity and application technique/method.
Aerial:			
†Suppression** of Powdery Mildew	Ground:	Apply 1.25 to 3.0 pounds/acre in a minimum of 100 gallons/acre of water.	
	Foliar Spray	Apply 1.25 to 2 pounds/acre in a minimum of 20 gallons/acre 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
	Aerial:	Apply 1.25 to 2.5 pounds/acre in a minimum of 50 gallons/acre of water.	
	Ground:		

DISEASE	APPLICATION METHOD	APPLICATION RATE	APPLICATION PROGRAM
			intervals. Do not apply more than 6 times per crop cycle. Application amounts depend upon plant type, maturity and application technique/method.

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CONIFERS IN COMMERCIAL NURSERIES, LANDSCAPE TREES, PLANTATIONS, FORESTRY AND PARKS APPLICATIONS¹ such as:

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

DISEASE	APPLICATION METHOD	APPLICATION RATE	APPLICATION PROGRAM
Root Rot and Trunk Cankers <i>(Phytophthora Pythium spp.)</i> †Suppression** of Foliar Diseases †Enhancement of Mycorrhization	Foliar Spray		
	Aerial:	Apply 1.25 to 2.50 pounds/acre in a minimum of 20 gallons/acre 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 1.25 to 2.50 pounds/acre in a minimum of 100 gallons/acre of water.	
	Soil Drench	Mix 1.25 to 2.50 pounds in 100 gallons of water.	Apply 0.25-0.5 pints/sq ft (4-8 L/m ³) of the diluted mixture. Irrigate sufficiently to wet active root zone. Apply at a 2-4 week interval and repeat as needed. Do not apply more than 4 times per crop cycle.
Root Dip	Mix a 0.15% solution (20 ounces/100 gallons 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	5.0 pounds/acre immediately after transplanting then 2.5 pounds/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 ¹	Trunk Injection	Make up a 9.4% w/w solution (12.5 ounces/gallon of water.	Inject (according to injection equipment instructions) 0.5 fl oz (15 ml) of the diluted Fungi-Phite [®] DF 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 and Fall.
	†Bark Applications	Mix Fungi-Phite [®] DF and water in a 1:2 ratio (i.e., 4 pounds of Fungi-Phite [®] DF plus 1 gallon of water) Add to this 4 oz of an organosilicone surfactant containing at least 99% active ingredient.	Apply the Fungi-Phite [®] DF 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.

¹Use in California limited to Oaks (Coastal, Live, Shreve, Black, Canyon), Tan Oaks and other tree species that are host to *P. ramorum*. Applications limited to injection and basal bark spray of pines, apples and crabapples, and injection of Sycamores for control of Sycamore anthracnose. Do not apply to any other tree species without consulting the list of *P. ramorum* host species listed at the following website: <http://nature.berkeley.edu/comtf/index.html>

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 spp.</i> and <i>Phytophthora spp.</i>	Foliar Spray	Mix 2.0 to 3.0 ounces in 1-2 gallons 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
<i>Pythium</i> Blight		1.5 ounces/1000 sq. ft.	Apply at 7 day intervals
Brown Patch (<i>Rhizoctonia spp.</i>) and Anthracnose (<i>Colletotrichum spp.</i>) Suppression		3.0 ounces/1000 sq. ft. Apply at 1.5 gallons of diluted spray mixture per 1000 sq. ft.	Apply at 7 day intervals. Turf disease management is significantly improved when Fungi-Phite® DF 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 spp.*, *Colletotrichum* and *Rhizoctonia spp.* Also for improvement of existing fungicide programs and the minimization of resistance development in pathogenic fungi. Tank mix this product with fungicide from classes of Fungicide 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 spp.</i> , <i>Colletotrichum spp.</i> and <i>Rhizoctonia spp.</i>	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® DF has suppressive properties on diseases caused by certain bacteria or fungi. When applying Fungi-Phite® DF 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.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Keep away from fire and sparks. Store in a cool, dry, well ventilated area.

Do not allow stored product to become wet or overheated in storage; decomposition, impaired activity, or fire may result. Keep container closed when not in use.

Do not stack pallets of containers more than three pallets high. Provide access aisle for each two rows. Decomposition produces a foul odor; if observed, check for hot containers and immediately remove to open areas for disposal.

PESTICIDE DISPOSAL: To avoid wastes, use all material in this container by application according to label directions. If wastes cannot be avoided, offer remaining product to a waste disposal facility or pesticide disposal program (often such programs are run by state or local governments or by industry).

CONTAINER HANDLING:

[Nonrefillable Container (flexible-bag-all weights): Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available.]

[Nonrefillable Container (rigid-fifty lbs. or less): Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.]

[Nonrefillable Container (rigid-greater than fifty lbs.): Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.]

[FOR CHEMICAL EMERGENCY ONLY (SPILL, LEAK, OR FIRE), CALL [CHEMTREC AT 1-800-424-9300].]

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 02-06-2012]

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Sub Label C – Agricultural Uses-Post Harvest Application

FUNGI-PHITE® DF
[Alternate Brand Name FUNGI-PHITE® DF PH]
[Alternate Brand Name FRESH-PHITE® DF]

A Fungicide for the Suppression and Control of Phytophthora, Pythium and Downy Mildew for Potatoes, Sweet Potatoes, Yams and other Tuber Crops, Citrus and Citrus Hybrids, Avocado, Carrots, Pome fruit, Stone fruit, Banana and Plantains, Mango, Papaya, Pineapple, Lychee, Mangosteen, Wax Apple, Longan, Carambola, Guava and certain Cut Flowers

ACTIVE INGREDIENTS:

Mono- and di-potassium salts of Phosphorous Acid*	99.0%
OTHER INGREDIENTS	<u>1.0%</u>
TOTAL	100.0%

* Equivalent to 0.68 pounds Phosphorous Acid per pound

KEEP OUT OF REACH OF CHILDREN

CAUTION

See [Back] [Side] [Other] Panel for Precautionary Statements

FIRST AID

If swallowed	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to by a poison control center or doctor. • Do not give anything to an unconscious person.
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.

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.

EPA Reg. No. 83472-3

EPA Est. No. 73771-CA-1

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

Net Contents _____pounds [lbs.]

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

Harmful if swallowed. Causes moderate eye irritation. Avoid contact with eyes or clothing. Wear protective eyewear. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

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 washwaters or rinsate.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

General Instructions: FUNGI-PHITE DF 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 DF 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 (*Colletotrichum gleosporoides*), Late Blight (*Phytophthora infestans*) and Pink Rot (*Phytophthora erythroseptica*), particularly when used in combination with other post harvest fungicides.

FUNGI-PHITE DF 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 and 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 0.65-1.0 pounds per ton of tubers in 0.5-1 gallon of water as a spray. Dipping: Make up a 0.5% w/w solution of Fungi-Phite DF (4.0 pounds per 100 gallons of water).	Ensure complete and even coverage. If dipping, ensure that potato tubers are immersed in solution for at least 30 seconds.

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

Citrus including, but not limited to Grapefruit, Lemons, Limes, Oranges (sour and sweet), Tangelos, Tangerines, Citrus Citron, Citrus Hybrids (Mandarin Lime, Calamondin), Clementines, Kumquat, Pummelo, and Satsuma Mandarin

DISEASE	APPLICATION RATE	APPLICATION PROGRAM
Suppression** of Brown Rot (<i>Phytophthora</i> spp.), Green Mold (<i>Penicillium digitatum</i>) and Blue Mold (<i>Penicillium italicum</i>) & Sour Rot (<i>Geotrichum candidum</i>)	Make up a 1.2% w/v solution of Fungi-Phite DF in water (10 pounds per 100 gallons of water). Use approximately 100 gallons of diluted solution per 30 bins# of fruit. For applications to aqueous sprays prior to washing, apply 2.0 pounds per 25 gallons spray mixture.	Ensure complete and even coverage and that fruit is drenched for at least 60 seconds.

#Note: Average bin weight = 800 lbs or 12 Tons

†For use on Avocado, Pome Fruit (Apples, Pears, Loquat, Mayhaw, Quince), Stone Fruit [Apricots, Cherry (sour), Cherry (sweet), Nectarine, Peach, Plum, Plumcot, Prune], Banana, Plantain, Mango, Papaya, Pineapple, Guava, Lychee, Longan, Mangosteen, Carambola, Wax Apple, and Carrots in a Drench Tank or as a Spray

CROP	DISEASE	APPLICATION RATE	APPLICATION PROGRAM
Avocado	Suppression** of Anthracnose (<i>Colletotrichum</i> spp.) <i>Dithiella</i> , <i>Cercospora</i>	Apply 5.0 to 7.5 pounds per 100 gallons of water. Use approximately 100 gallons of diluted solution per 30 bins# of fruit.	Ensure complete and even coverage. Replace solution every 30 bins of fruit.
Pome Fruit	Suppression** of Brown Rot (<i>Phytophthora</i> spp.) Blue Mold (<i>Penicillium</i> spp.) Bitter Rot (<i>Glomularia</i> spp.) and <i>Monolinia</i>	Apply 5.0 to 7.5 pounds per 100 gallons of water. Use approximately 100 gallons of diluted solution per 30 bins# of fruit.	Ensure complete and even coverage. Replace solution every 30 bins of fruit.
Stone Fruit	Suppression** of Brown Rot (<i>Phytophthora</i> spp.) (<i>Monolinia</i> spp) Grey Mold (<i>Botrytis</i>) and Blue Mold (<i>Penicillium</i> spp.)	Apply 5.0 pounds per 100 gallons of water. Use approximately 100 gallons of diluted solution per 30 bins# of fruit.	Ensure complete and even coverage. Replace solution every 30 bins of fruit.

CROP	DISEASE	APPLICATION RATE	APPLICATION PROGRAM
Bananas & Plantains	Suppression** of: Crown Rot (<i>Fusarium spp.</i>), Anthracnose (<i>Colletotrichum spp.</i>) Speckle, Freckle and Finger Rot.	Dehanding Tank: Apply 10.0 to 15.0 pounds per 200 gallons of water. Replenish every 2 days. Fungicide Application: Apply as a spray mix with other fungicides at 0.65 to 1.25 pounds per 25 gallons of water.	Apply to dehanded fruit after fruit has passed through the delatexing tank. Apply as a part of the post-harvest fungicide treatment.
Mangos, Papayas, Pineapple, Lychee, Longan, Carambola, Wax Apple, Mangosteen, and Guava	Suppression** of Anthracnose, Black Spot, Chocolate Spot, Cercospora, Alternaria, Botrydiplodia, Phomopsis, Cladosporium	Fruit Dip: Make up a 1.2% w/v solution of Fungi-Phite DF in water (10.0 pounds per 100 gallons of water). Use one gallon of the diluted mix per 4,000 lbs. of fruit.	Ensure complete and even coverage. Apply with other fungicides in hot or cold water.
Carrots	Suppression** of Cavity Spot, Fusarium Rot, Phytophthora Rot, Grey Mold (<i>Botrytis cineria</i>) Crown Rot and Black Rot	Apply 2.0 pounds per 75 gallons of water. Use one gallon of the diluted mix per 6,000 lbs. of carrots	Immerse carrots for 5-10 seconds prior to storage. Replace solution when it appears dirty.

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

#Note: Average bin weight = 800 lbs or 12 Tons

†For use on Cut Flowers, Roses and Chrysanthemums

CROP	DISEASE	APPLICATION RATE	APPLICATION PROGRAM
Roses, Chrysanthemums, Carnations and other cut flowers	For the suppression** of post-harvest storage rots, including Botrytis, Anthracnose, vascular wilts and soft rots	Apply 0.5-1.5 pints Fungi-Phite® per 100 gallons in the hydrating solution. Use the lower rate (0.5 pints/100 gallons) when low pest pressure is present. Use the higher rate (1.5 pints/100 gallons) when high pest pressure is present	Ensure complete and even coverage of cut flower stems when immersing. Do not immerse the flower heads.

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

****Suppression:** Fungi-Phite® DF has suppressive properties on diseases caused by certain bacteria or fungi. When applying Fungi-Phite® DF 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 or disposal.

PESTICIDE STORAGE: Keep away from fire and sparks. Store in a cool, dry, well ventilated area.

Do not allow stored product to become wet or overheated in storage; decomposition, impaired activity, or fire may result. Keep container closed when not in use.

Do not stack pallets of containers more than three pallets high. Provide access aisle for each two rows. Decomposition produces a foul odor; if observed, check for hot containers and immediately remove to open areas for disposal.

PESTICIDE DISPOSAL: To avoid wastes, use all material in this container by application according to label directions. If wastes cannot be avoided, offer remaining product to a waste disposal facility or pesticide disposal program (often such programs are run by state or local governments or by industry).

CONTAINER HANDLING:

[Nonrefillable Container (flexible-bag-all weights): Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available.]

[Nonrefillable Container (rigid-fifty lbs. or less): Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.]

[Nonrefillable Container (rigid-greater than fifty lbs.): Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it

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back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.]

[FOR CHEMICAL EMERGENCY ONLY (SPILL, LEAK, OR FIRE), CALL [CHEMTREC AT 1-800-424-9300].]

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[Label version 02-06-2012]