



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

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

October 29, 2015

Cinda Bell
Regulatory Specialist
Agent for Liquid Fertiliser Pty. Ltd. (Trading as Agrichem)
SciReg, Inc.
12733 Director's Loop
Woodbridge, VA 22192

Subject: Labeling Notification per Pesticide Registration Notice (PRN) 98-10 – Revise product name for AGRI-FOS 400 to AGRI-FOS SYSTEMIC FUNGICIDE
Product Name: AGRI-FOS 400
EPA Registration Number: 71962-1
Application Date: 07/24/2015
OPP Decision Number: 507301

Dear Ms. Bell:

The U.S. Environmental Protection Agency (EPA) is in receipt of your application for notification under Pesticide Registration Notice (PRN) 98-10 for the above referenced product. The Biopesticides and Pollution Prevention Division (BPPD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10.

The labeling submitted with this application has been stamped "Notification" and will be placed in our records. You must submit one (1) copy of the final printed labeling with the modifications.

Should you wish to add/retain a reference to your company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and is subject to review by the EPA. If the website is false or misleading, the product will be considered to be misbranded and sale or distribution of the product is unlawful under FIFRA section 12(a)(1)(E). 40 CFR § 156.10(a)(5) lists examples of statements the EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the EPA find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA-approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance Assurance.

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EPA Reg. No. 71962-1
OPP Decision No. 507301

If you have any questions, please contact Sandra Owusu-Ansah of my team by phone at 703-347-0350 or via email at owusu-ansah.sandra@epa.gov.

Sincerely,

A handwritten signature in blue ink that reads "Andrew C. Bryceland". The signature is written in a cursive style with a large, sweeping flourish at the end.

Andrew Bryceland, Team Leader
Biochemical Pesticides Branch
Biopesticides and Pollution
Prevention Division (7511P)
Office of Pesticide Programs

Enclosure

Master label encompassing Sub-label A – Commercial and Agricultural
Uses and Sub-label B –Residential Uses

**AGRI-FOS 400 AGRI-FOS SYSTEMIC
FUNGICIDE®**

SYSTEMIC FUNGICIDE FOR THE EFFECTIVE CONTROL OF VARIOUS PLANT DISEASES

ACTIVE INGREDIENTS: Mono- and di-potassium salts of Phosphorous Acid*	45.8%
OTHER INGREDIENTS:	<u>54.2%</u>
TOTAL	100.0%

*Contains 5.17 lbs/gallon of the active ingredients, mono- and di-potassium salts of Phosphorous Acid.

Equivalent to 3.35 lbs Phosphorous Acid/gallon

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

EPA Reg. No. 71962-1

EPA Est. No. 71962-AUS-001
72499-GA-001
71975-WA-001
68253-CO-001

NOTIFICATION

71962-1

The applicant has certified that no changes, other than those reported to the Agency have been made to the labeling. The Agency acknowledges this notification by letter dated:

10/29/2015

Manufactured for:

LIQUID FERTILISER PTY. LTD. (Trading as Agrichem)

2 Hovey Road
Yatala, Queensland 4207
Australia
+61 7 3451 0000

Net Contents: 1 pt., 1 qt., 1 gal., 5 gal., 30 gal., 55 gal., 250 gal.

Sub-label A – Commercial and Agricultural Uses

~~AGRI-FOS 400~~ **AGRI-FOS SYSTEMIC
FUNGICIDE®**

SYSTEMIC FUNGICIDE FOR THE EFFECTIVE CONTROL OF VARIOUS PLANT DISEASES
ENCOUNTERED IN COMMERCIAL AND AGRICULTURAL SYSTEMS

ACTIVE INGREDIENTS: Mono- and di-potassium salts of Phosphorous Acid*	45.8%
OTHER INGREDIENTS:	<u>54.2%</u>
TOTAL	100.0%

*Contains 5.17 lbs/gallon of the active ingredients, mono- and di-potassium salts of Phosphorous Acid.
Equivalent to 3.35 lbs Phosphorous Acid/gallon

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

Consult page 2 of this booklet for First Aid and Precautionary Statements

EPA Reg. No. 71962-1

EPA Est. No. 71962-AUS-001
72499-GA-001
71975-WA-001
68253-CO-001

Manufactured for:
LIQUID FERTILISER PTY. LTD. (Trading as Agrichem)
2 Hovey Road
Yatala, Queensland 4207
Australia
+61 7 3451 0000

Batch No.:

Date of Manufacture:

Net Contents: 1 pt., 1 qt., 1 gal., 5 gal., 30 gal., 55 gal., or 250 gal.

FIRST AID

IF SWALLOWED:

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

IF IN EYES:

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

IF ON SKIN OR CLOTHING:

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

IF INHALED:

- Move person to fresh air
- If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible
- Call a poison control center or doctor for further treatment advice

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

Hotline Number: National Poison Control, 1-800-222-1222

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

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

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators, mixers, loaders, and other handlers must wear:

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

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

When handlers use closed systems, aircraft or enclosed cabs in a manner that meets the requirements listed in the worker protection standard (WPS) for agricultural pesticides (40 CFR 170.240 (d)(4-6), the handler PPE requirements may be reduced or modified as specified in the WPS.

USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands before drinking, eating, chewing gum, using tobacco or using the toilet.
- Remove PPE clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- 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

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

DIRECTIONS FOR USE

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

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the state or tribal agency responsible for pesticide registration.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, CFR 40 part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the **restricted entry interval (REI) of 4 hours**, unless wearing the appropriate PPE.

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

NON-AGRICULTURAL USE REQUIREMENTS

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

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

CHEMIGATION

Use of ~~Agri-Fos 400~~ Agri-fos Systemic Fungicide® through chemigation is not permitted in California.

Apply this product only through center pivot, solid set or drip (trickle) irrigation systems. 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 nonuniform distribution of treated water.

If you have questions about calibration, 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.

SPRINKLER AND DRIP (TRICKLE) IRRIGATION SYSTEMS:

The irrigation 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 backflow.

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

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

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

(Sprinkler Chemigation Only) Do not apply when wind speed favors drift beyond the area intended for treatment.

Apply ~~Agri-Fos 400~~ Agri-fos Systemic Fungicide® continuously for the duration of the water application. After treatment with ~~Agri-Fos 400~~ Agri-fos Systemic Fungicide® has been completed, avoid further irrigation of the treated area until foliage is dry or for 24 to 48 hours.

GENERAL APPLICATION INSTRUCTIONS

Apply ~~Agri-Fos 400~~ Agri-fos Systemic Fungicide® by various application methods, including foliar spray (aerial and ground), soil drench, soil incorporation, basal bark application and bare root dip. For foliar sprays, apply ~~Agri-Fos 400~~ Agri-fos Systemic Fungicide® with sufficient water volumes for adequate coverage of foliage, according to crop and growth stage. To ensure good coverage, spray to wetness, but avoid run-off. **This product does not have a pre-harvest interval (PHI). Harvest when dry.**

When using ~~Agri-Fos 400~~ Agri-fos Systemic Fungicide® with Supa Stik PN adhere to all applicable label directions. Only use Supa Stik PN with basal bark applications.

MIXING INSTRUCTIONS

1. Fill the spray tank with $\frac{1}{4}$ - $\frac{1}{2}$ of the volume of water required before adding [Agri-Fos 400 Agri-fos Systemic Fungicide®](#)
2. Add [Agri-Fos 400 Agri-fos Systemic Fungicide®](#) slowly to the tank and agitate by mechanical or hydraulic means
3. Continue agitating as tank fills with water to the desired volume
4. Maintain agitation during application

COMPATIBILITY

[Agri-Fos 400 Agri-fos Systemic Fungicide®](#) is compatible with most products used in agriculture. However, individual crop sensitivity to these mixtures may vary. Mixtures of [Agri-Fos 400 Agri-fos Systemic Fungicide®](#) with some foliar fertilizers and copper products are not always compatible or cause phytotoxicity to some plants. If these combinations or others have not been used previously, do not tank mix without first testing the compatibility of the tank mix. Do not apply tank mixture without first assessing its safety to the crop (phytotoxicity). Tank mix [Agri-Fos 400 Agri-fos Systemic Fungicide®](#) with fertilizers only if crop safety has been established and the [Agri-Fos 400 Agri-fos Systemic Fungicide®](#) use rates are followed.

Due to [Agri-Fos 400 Agri-fos Systemic Fungicide®](#)'s acidic nature, do not use acidifying-type compatibility agents. If spray adjuvants are used test them before use to confirm compatibility with [Agri-Fos 400 Agri-fos Systemic Fungicide®](#).

Use a jar test to confirm compatibility with [Agri-Fos 400 Agri-fos Systemic Fungicide®](#). In a clean jar using the same water source that is normally used to fill spray tank, add the same proportions of each product and the appropriate quantity of water and mix thoroughly. Let stand for 3 minutes. If mixture remains in solution or is remixed readily the tank mix is compatible.

Spray the solution that results from the above compatibility test onto a few plants and inspect for visual effects of phytotoxicity (leaf burn) 3 days later.

General Hydroponic Applications

For use with plants grown in recirculating hydroponic systems.

Disease	Rate	Application Program
General root rots (<i>Pythium</i> and <i>Phytophthora</i> spp) and root diseases*	1 to 2 quarts in 5300 gallons of nutrient solution	Apply every 4 to 6 weeks in the summer and every 8 weeks in the fall. The application time interval may be modified depending on crop load, water quality, and disease pressure.

*Not for use in California.

Agricultural Applications

Apples, Crab Apples, Loquats, Mayhaw, Pears & Quince

Use [Agri-Fos 400 Agri-fos Systemic Fungicide®](#) for effective control of *Phytophthora*, *Pythium*, *Fusarium*, *Rhizoctonia*, Fire Blight, Downy Mildew, Powdery Mildew, and Black Spot in Apples, Crab Apples, Mayhaw Loquats, Pears, and Quinces.

Disease	Application Method	Rate	Application Program
<i>Phytophthora</i> <i>Pythium</i> <i>Fusarium</i> * <i>Rhizoctonia</i> * Fire Blight* (<i>Erwinia amylovara</i>)	Foliar	1.25 to 3.5 quarts in 100 gallons of water per acre	Disease Prevention Program**: Apply lower rate at 2-4 week intervals after plants become established. Do not apply Agri-Fos 400 Agri-fos Systemic Fungicide® at intervals less than 3 days.

	Aerial	1.25 to 3.5 quarts in a minimum of 10 gallons of water per acre	Disease Control Program: Apply higher rate at 2-3 week intervals until control is reached. Consult with Farm Advisor or crop expert to determine disease severity. Do not apply Agri-Fos 400 Agri-fos Systemic Fungicide® at intervals less than 3 days.
	Root Dip	2.5 quarts per 100 gallons of water	Apply as pre-plant dip to the roots for 15-30 minutes. Plant within 24 hours after dipping.
	Irrigation	Overhead: 2.5 to 4.75 quarts in at least 100 gallons of water	Apply with normal irrigation schedule. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply Agri-Fos 400 Agri-fos Systemic Fungicide® at intervals less than 3 days.
		Drip: 2.5 to 3.5 quarts in at least 100 gallons of water	
Trunk Injection	3.5 teaspoons per linear yard of canopy width or 2 inch of trunk diameter at breast height (DBH) Inject directly in to tree.	Apply according to injection equipment instructions. Adjust rate based on injection equipment suggestions for specific applications. Repeat 2-4 times a year until control is reached.	
Fire Blight*** (<i>Erwinia amylovora</i>)	Basal bark spray treat in spring and fall for best results	62.4 fl. oz. of Agri-Fos 400 Agri-fos Systemic Fungicide® + 62.4 fl. oz. of water + 1.5 to 3.0 fl. oz. Supa Stik PN Bark Penetrating Surfactant	Spray a combination of Agri-Fos 400 Agri-fos Systemic Fungicide® and Supa Stik PN around the complete circumference of the tree trunk until saturation/runoff. Spray from ground level up to 5 feet above the soil line, including the base of the first scaffolding limbs, if present. (Treatment generally lasts 8-12 weeks depending on pathogen levels).
Downy Mildew Powdery Mildew*	Foliar	1.25 to 3.5 quarts in 100 gallons of water per acre	Apply at 2-3 week intervals. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply Agri-Fos 400 Agri-fos Systemic Fungicide® at intervals less than 3 days.
	Aerial	1.25 to 3.5 quarts in a minimum of 10 gallons of water per acre	
Apple Black Spot Scab*** (<i>Venturia inaequalis</i>)	Foliar	Apply 3 to 4 pints per acre in 100 gallons water per acre	Apply in combination with a recommended fungicide at 3 lbs/acre. Apply at ¼ - ½ inch green tip through first cover at 7 to 10 day intervals or according to forecasted infection events. Continue with Agri-Fos 400 Agri-fos Systemic Fungicide® and a recommended fungicide in the remaining applications.
	Basal bark spray at bud swell or silver tip stage of growth in early spring	62.4 fl. oz. of Agri-Fos 400 Agri-fos Systemic Fungicide® + 62.4 fl. oz. of water + 1.5 to 3.0 fl. oz. Supa Stik PN Bark Penetrating Surfactant	Spray a combination of Agri-Fos 400 Agri-fos Systemic Fungicide® and Supa Stik PN on the complete circumference of the tree trunk until saturation/runoff. Spray from ground level up to 5 feet above the soil line, including the base of the first scaffolding limbs, if present (treatment generally lasts 8-12 weeks depending on pathogen levels).

* Not for use in California

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

*** Not for use in California except as basal bark spray on apples and crab apples.

Asparagus

Use ~~Agri-Fes 400~~ **Agri-fos Systemic Fungicide®** for effective control of *Phytophthora*, *Pythium*, *Fusarium*, *Rhizoctonia*, Downy Mildew, Powdery Mildew, Crown Rot & Asparagus Spear Slime disease in Asparagus.

Disease	Application Method	Rate	Application Program
<i>Phytophthora</i> <i>Pythium</i> <i>Fusarium</i> * <i>Rhizoctonia</i> *	Foliar	1.25 to 3.5 quarts in 100 gallons of water per acre	Disease Prevention Program**: Apply lower rate at 2-4 week intervals after plants become established. Do not apply Agri-Fes 400 Agri-fos Systemic Fungicide® at intervals less than 3 days.
	Aerial	1.25 to 3.5 quarts in a minimum of 10 gallons of water per acre	Disease Control Program: Apply higher rate at 2-3 week intervals until control is reached. Consult with Farm Advisor or crop expert to determine disease severity. Do not apply Agri-Fes 400 Agri-fos Systemic Fungicide® at intervals less than 3 days.
	Root Dip	2.5 quarts per 100 gallons of water	Apply as pre-plant dip immediately prior to planting (100 gallons is intended to treat the number of slips required to plant one acre).
	Irrigation	Overhead: 2.5 to 4.75 quarts in at least 100 gallons of water	Apply with normal irrigation schedule. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply Agri-Fes 400 Agri-fos Systemic Fungicide® at intervals less than 3 days.
Drip: 2.5 to 3.5 quarts in at least 100 gallons of water			
Downy Mildew Powdery Mildew*	Foliar	1.25 to 3.5 quarts in 100 gallons of water per acre	Apply at 2-3 week intervals. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply Agri-Fes 400 Agri-fos Systemic Fungicide® at intervals less than 3 days.
	Aerial	1.25 to 3.5 quarts in a minimum of 10 gallons of water per acre.	
Crown Rot* Asparagus Spear Slime* (<i>Phytophthora</i> spp.)	Foliar	1¼ quarts per acre in 25 gallons water to 2½ quarts per acre in 250 gallons water	Apply to ferns that have 2 to 3 inches of new growth. Do not apply to ferns that are starting to die down (senesce). In established plantings, start applications when conditions are favorable to disease (cool wet conditions). Ensure thorough coverage.

*Not for use in California.

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

Avocados

Use [Agri-Fos 400 Agri-fos Systemic Fungicide](#)® for effective control of Root Rot, Trunk Cankers, and Downy Mildew disease in Avocado.

Disease	Application Method	Rate	Application Program
Root Rot (<i>Phytophthora cinnamomi</i>)	Tree injection	Skeletal trees 1st year: ¼ fl. oz. undiluted product per yard of canopy diameter. Other situations: ¾ teaspoon diluted with ½ fl. oz. of water per yard of canopy diameter.	Inject trees at spring flush maturity post vegetative at summer flush maturity. Drill holes 3/16 inch in diameter and 1 inch to 2 inches deep with slight downward angle in trunk. Place syringes in the main trunk of the tree and space evenly around the circumference of the trunk. Do not prune back trees before injection process as burning of new growth may occur. Do not inject trees in winter months. Do not cut back the canopy of injected trees. Do not add any material, other than water, to Agri-Fos 400 Agri-fos Systemic Fungicide ® by trunk injection. Do not inject more liquid in a lesser number of syringes than directed.
	Foliar	2 quarts in 100 gallons of water per acre	Spray to run off at 2 to 2½ gallons of spray solution per adult tree. Start applications in spring, up to 4 applications a year at two-month intervals. Ensure thorough coverage.
Canker (<i>Phytophthora citricola</i>)	Trunk spray	1¼ to 2½ quarts mixed with 5 gallons of water with 3.0 fl. oz. of Supa Stik PN Bark Penetrating Surfactant	Apply to trunk lesions using sufficient spray volume to completely wet the trunk and lesions. If lesions absent, apply to trunk from soil level to two feet up trunk. If lesions present use higher rate.
Downy mildew	Foliar	3¾ pints in 100 to 500 gallons water	Spray to run-off, as required for disease control.

Berries

Use [Agri-Fos 400 Agri-fos Systemic Fungicide](#)® for effective control of *Phytophthora*, *Pythium*, *Fusarium*, *Rhizoctonia*, Downy Mildew, Powdery Mildew, Septoria spp., and Anthracnose in bush and cane berries such as, but not limited to, Bingleberries, Blackberries, Black Satin Berries, Blueberries, Boysenberries, Cherokee Blackberries, Chesterberries, Cheyenne Blackberries, Coryberries, Cranberries, Darrowberries, Dewberries, Dirksen Thornless Berries, Elderberries, Himalayaberries, Huckleberries, Hullberries, Lavacaberries, Loganberries, Lowberries, Lucretiaberrries, Mammoth Blackberries, Marionberries, Mulberries, Nectarberries, Olallieberries, Oregon Evergreen Berries, Phenomenalberries, Rangeberries, Ravenberries, Rossberries, Raspberries (Red, Black, Hybrids/Cultivars), Shwanee Blackberries, and Youngberries.

Disease	Application Method	Rate	Application Program
<i>Phytophthora</i> <i>Pythium</i> <i>Fusarium</i> * <i>Rhizoctonia</i> *	Foliar	1.25 to 3.5 quarts in 100 gallons of water per acre	Disease Prevention Program**: Apply lower rate at 2-4 week intervals after plants become established. Do not apply Agri-Fos 400 Agri-fos Systemic Fungicide ® at intervals less than 3 days.
	Aerial	1.25 to 3.5 quarts in a minimum of 10 gallons of water per acre	Disease Control Program: Apply higher rate at 2-3 week intervals until control is reached. Consult with Farm Advisor or crop expert to determine disease severity. Do not apply Agri-Fos 400 Agri-fos Systemic Fungicide ® at

			intervals less than 3 days.
	Root Dip	2.5 quarts per 100 gallons of water	Apply as pre-plant dip to the roots for 15-30 minutes. Plant within 24 hours after dipping.
	Irrigation	Overhead: 2.5 to 4.75 quarts in at least 100 gallons of water	Apply with normal irrigation schedule. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply Agri-Fos 400 Agri-fos Systemic Fungicide® at intervals less than 3 days.
		Drip: 2.5 to 3.5 quarts in at least 100 gallons of water	
Downy Mildew Powdery Mildew*	Foliar	1.25 to 3.5 quarts in 100 gallons of water per acre	Apply at 2-3 week intervals. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply Agri-Fos 400 Agri-fos Systemic Fungicide® at intervals less than 3 days.
	Aerial	1.25 to 3.5 quarts in a minimum of 10 gallons of water per acre.	
Root Rot* (<i>Phytophthora</i> spp.)	Foliar	1 to 3 quarts per 100 gallons of water per acre. Ensure foliage is completely wet	<p>New plantings: start application when new growth is 2 to 3 inches long. In established plantings start applications when cool wet conditions occur which favor disease.</p> <p>West of Rocky Mountains: Autumn applications, apply when conditions favor disease, repeat in 4 weeks. Spring applications, first application after bud break and repeat in 4 weeks.</p> <p>East of Rocky Mountains: First application spring post bud break (2 to 3 inches new growth) and repeat at 50 to 60 day intervals. Do not exceed 4 applications per season.</p> <p>For blueberries - First application in spring at pink bud and then on a regular schedule of application at two to three week intervals.</p>
General leaf and berry diseases such as those caused by: <i>Septoria</i> spp.* Anthracnose*	Root dip	Mix a 2.50% v/v solution (1 quart per 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	1 to 2 quarts in 1000 gallons of water per acre	Apply with normal irrigation schedule. Do not apply more than 4 times per crop cycle.
	Chemigation Low volume	2 to 3 quarts in 100 gallons of water per acre	

*Not for use in California.

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

Brassicas

Use ~~Agri-Fos 400~~Agri-fos Systemic Fungicide® for effective control of *Phytophthora*, *Pythium*, *Fusarium*, *Rhizoctonia*, Damping-Off, Root Rot, Bacterial, Fungal diseases, and Downy Mildew in brassicas such as, but not limited to, Broccoli, Brussels Sprouts, Cabbage, Cauliflower, Cavalo Broccolo, Collards, Chinese Cabbage, Chinese Mustard Cabbage, Horseradish, Kale, Kohlrabi, Mizuna, Mustard Greens, Mustard Spinach and Rape greens.

Disease	Application Method	Rate	Application Program
<i>Phytophthora</i> <i>Pythium</i> <i>Fusarium</i> * <i>Rhizoctonia</i> *	Foliar	1.25 to 3.5 quarts in 100 gallons of water per acre	Disease Prevention Program**: Apply lower rate at 2-4 week intervals after plants become established. Do not apply Agri-Fos 400 Agri-fos Systemic Fungicide ® at intervals less than 3 days.
	Aerial	1.25 to 3.5 quarts in a minimum of 10 gallons of water per acre	Disease Control Program: Apply higher rate at 2-3 week intervals until control is reached. Consult with Farm Advisor or crop expert to determine disease severity. Do not apply Agri-Fos 400 Agri-fos Systemic Fungicide ® at intervals less than 3 days.
	Root Dip	1.25 quart per 100 gallons of water	Apply as pre-plant dip immediately prior to planting (100 gallons is intended to treat the number of slips required to plant one acre).
	Irrigation	Overhead: 2.5 to 4.75 quarts in at least 100 gallons of water	Apply with normal irrigation schedule. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply Agri-Fos 400 Agri-fos Systemic Fungicide ® at intervals less than 3 days.
Drip: 2.5 to 3.5 quarts in at least 100 gallons of water			
Downy mildew (<i>Peronospora parasitica</i>)	Foliar	1¼ quarts per acre in 25 gallons of water per acre to 2½ quarts per acre in 250 gallons of water per acre	<u>Low Disease Pressure**:</u> Apply lower rate at first onset of disease. Repeat applications at 1 to 2 week intervals. Do not apply more than 6 times per crop cycle.
		California: 1¼ quarts per acre in 100 gallons of water to 2½ quarts per acre in 185 gallons of water	<u>High Disease Pressure**:</u> Apply higher rate at first onset of disease. Repeat applications at 7 to 10 day intervals. Do not apply more than 6 times per crop cycle.
Root Rot (<i>Phytophthora</i> spp.)* Damping off (<i>Pythium</i> spp.)*	Aerial	1 to 1½ quarts in 10 gallons of water per acre	Begin application after plants are established and conditions favor disease development. <u>Low Disease Pressure**:</u> Apply lower rate at 1 to 2 week intervals. Do not apply more than 6 times per crop cycle. <u>High Disease Pressure**:</u> Apply higher rate at 7 to 10 day intervals. Do not apply more than 6 times per crop cycle.
	Foliar	1 to 2 quarts in 30 gallons of water per acre	
	Pre-plant seedling nursery treatment	1 quart in 100 gallons of water to nursery plants in seedling trays 1 to 7 days prior to out planting	
	Transplant and furrow application	3 pints at planting or to newly planted seedlings by side dressing or shank application	
Bacterial diseases*	Chemigation Overhead	1 to 2 quarts in 1000 gallons of water per acre	<u>Low Disease Pressure:</u> Apply lower rate at 1 to 2 week intervals. Do not apply more than 6 times per crop cycle.
	Chemigation Low volume	2 to 3 quarts in 100 gallons of water per acre	<u>High Disease Pressure:</u> Apply higher rate at 7 to 10 day intervals. Do not apply more than 6 times per crop cycle.

<p><i>Septoria*</i> <i>Colletotrichum</i> * <i>Alternaria*</i>, Powdery Mildew*</p>	<p>Foliar</p>	<p>1 to 2 quarts in 30 gallons of water per acre</p>	<p><u>Low Disease Pressure**</u>: Apply lower rate at first onset of disease. Repeat applications at 1 to 2 week intervals. Do not apply more than 6 times per crop cycle.</p> <p><u>High Disease Pressure**</u>: Apply higher rate at first onset of disease. Repeat applications at 7 to 10 day intervals. Do not apply more than 6 times per crop cycle.</p>
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*Not for use in California. .

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

Cereal and Forage Grains

Apply ~~Agri-Fos 400~~ Agri-fos Systemic Fungicide® to crops such as, but not limited to, Barley, Buckwheat, Field Corn, Hay, Indian Corn, Kudzu, Lespedeza, Lupin, Millet, Oats, Ornamental Corn, Popcorn, Rice, Rye, Sweet Corn, Teosinte, Trefoil, Sorghum, Triticale Wheat and Wild Rice. Use ~~Agri-Fos 400~~ Agri-fos Systemic Fungicide® for effective control of *Phytophthora*, *Pythium*, *Fusarium*, *Rhizoctonia*, and Downy Mildew.

Disease	Application Method	Rate	Application Program
<p><i>Phytophthora</i> <i>Pythium</i> <i>Fusarium*</i> <i>Rhizoctonia*</i></p>	<p>Foliar</p>	<p>1.25 to 3.5 quarts in 100 gallons of water per acre</p>	<p>Disease Prevention Program**: Apply lower rate at 2-4 week intervals after plants become established. Do not apply Agri-Fos 400 <u>Agri-fos Systemic Fungicide®</u> at intervals less than 3 days.</p>
	<p>Aerial</p>	<p>1.25 to 3.5 quarts in a minimum of 10 gallons of water per acre</p>	<p>Disease Control Program: Apply higher rate at 2-3 week intervals until control is reached. Consult with Farm Advisor or crop expert to determine disease severity. Do not apply Agri-Fos 400 <u>Agri-fos Systemic Fungicide®</u> at intervals less than 3 days.</p>
	<p>Irrigation</p>	<p>Overhead: 2.5 to 4.75 quarts in at least 100 gallons of water Drip: 2.5 to 3.5 quarts in at least 100 gallons of water</p>	<p>Apply with normal irrigation schedule. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply Agri-Fos 400 <u>Agri-fos Systemic Fungicide®</u> at intervals less than 3 days.</p>
<p>Downy Mildew</p>	<p>Foliar</p>	<p>1.25 to 3.5 quarts in 100 gallons of water per acre.</p>	<p>Apply at 2-3 week intervals. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply Agri-Fos 400 <u>Agri-fos Systemic Fungicide®</u> at intervals less than 3 days.</p>
	<p>Aerial</p>	<p>1.25 to 3.5 quarts in a minimum of 10 gallons of water per acre.</p>	

*Not for use in California.

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

Citrus - Mature trees

Use ~~Agri-Fos 400~~ Agri-fos Systemic Fungicide® for effective control of *Phytophthora*, *Pythium*, *Fusarium*, *Rhizoctonia*, Downy Mildew, Root Rot, and Collar Rot diseases in Citrus such as, but not limited to, Calamondin, Citrus Hybrids, Grapefruit, Kumquat, Lemon, Lime, Mandarin, Orange (All Types), Pummelo and Satsuma mandarin.

Disease	Application Method	Rate	Application Program
<i>Phytophthora</i> <i>Pythium</i> <i>Fusarium</i> * <i>Rhizoctonia</i> *	Foliar	1.25 to 3.5 quarts in 100 gallons of water per acre	Disease Prevention Program**: Apply lower rate at 2-4 week intervals after plants become established. Do not apply Agri-Fes 400 Agri-fos Systemic Fungicide ® at intervals less than 3 days. Disease Control Program: Apply higher rate at 2-3 week intervals until control is reached. Consult with Farm Advisor or crop expert to determine disease severity. Do not apply Agri-Fes 400 Agri-fos Systemic Fungicide ® at intervals less than 3 days.
	Aerial	1.25 to 3.5 quarts in a minimum of 10 gallons of water per acre	
	Root Dip	2.5 quarts per 100 gallons of water	Apply as pre-plant dip to the roots for 15-30 minutes. Plant within 24 hours after dipping.
	Irrigation	Overhead: 2.5 to 4.75 quarts in at least 100 gallons of water	Apply with normal irrigation schedule. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply Agri-Fes 400 Agri-fos Systemic Fungicide ® at intervals less than 3 days.
		Drip: 2.5 to 3.5 quarts in at least 100 gallons of water	
Trunk Injection	3.5 teaspoons per linear yard of canopy width or 2 inch of trunk diameter at breast height (DBH). Inject directly in to tree.	Apply according to injection equipment instructions. Adjust rate based on injection equipment suggestions for specific applications. Repeat 2-4 times a year until control is reached.	
Downy Mildew	Foliar	1.25 to 3.5 quarts in a minimum of 100 gallons of water per acre	Apply at 2-3 week intervals. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply Agri-Fes 400 Agri-fos Systemic Fungicide ® at intervals less than 3 days.
	Aerial	1.25 to 3.5 quarts in a minimum of 10 gallons of water per acre.	
Brown Rot Root Rot (<i>Phytophthora</i> spp.)	Foliar	2½ quarts per acre in a maximum of 250 gallons of water	When conditions favor disease, spray trees to run off ensure even coverage. Do not apply at high temperatures (above 95°F) particularly if humidity is low or to moisture-stressed trees.
Root Rot (<i>Phytophthora nicotianae</i>) Collar Rot (<i>Phytophthora citrophthora</i>)	Trunk spray	Mix 1¼ to 2½ quarts in a minimum of 5 gallons of water with 1 to 3 fl. oz. of Supa Stik PN Bark Penetrating Surfactant	Spray trunk lesions with enough spray volume to ensure lesions are completely wet. When disease levels are high use higher rate.
Pre-harvest Blue and Green Mold Brown Rot* (<i>Phytophthora citricola</i>)	Foliar	2 quarts in up to 100 gallons of water per acre	Apply 2 to 4 weeks prior to harvest. Ensure fruit is thoroughly covered by the spray application.

* Not for use in California.

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Coconuts

Use ~~Agri-Fos 400~~ Agri-fos Systemic Fungicide® for effective control of Bud Rot and Nut Fall in Coconuts.

Disease	Application Method	Rate	Application Program
Bud Rot Nut Fall (<i>Phytophthora palmivora</i>)	Injection	2 tsp. to 1 fl. oz. per tree	Dilute Agri-Fos 400 <u>Agri-fos Systemic Fungicide</u> ® with water to give final injection volume of 1 fl. oz. to 2 fl. oz. of water and Agri-Fos 400 <u>Agri-fos Systemic Fungicide</u> ®. Inject into the trunk or root system.

Cotton

Use ~~Agri-Fos 400~~ Agri-fos Systemic Fungicide® for effective control of *Phytophthora*, *Pythium*, *Fusarium*, *Rhizoctonia*, Downy Mildew, Damping-Off, and Root Rot diseases in Cotton.

Disease	Application Method	Rate	Application Program
<i>Phytophthora</i> <i>Pythium</i> <i>Fusarium</i> * <i>Rhizoctonia</i> *	Foliar	1.25 to 3.5 quarts in 100 gallons of water per acre	Disease Prevention Program**: Apply lower rate at 2-4 week intervals after plants become established. Do not apply Agri-Fos 400 <u>Agri-fos Systemic Fungicide</u> ® at intervals less than 3 days. Disease Control Program: Apply higher rate at 2-3 week intervals until control is reached. Consult with Farm Advisor or crop expert to determine disease severity. Do not apply Agri-Fos 400 <u>Agri-fos Systemic Fungicide</u> ® at intervals less than 3 days.
	Aerial	1.25 to 3.5 quarts in a minimum of 10 gallons of water per acre	
	Irrigation	Overhead: 2.5 to 4.75 quarts in at least 100 gallons of water Drip: 2.5 to 3.5 quarts in at least 100 gallons of water	Apply with normal irrigation schedule. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply Agri-Fos 400 <u>Agri-fos Systemic Fungicide</u> ® at intervals less than 3 days.
Downy Mildew	Foliar	1.25 to 3.5 quarts in 100 gallons of water per acre	Apply at 2-3 week intervals. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply Agri-Fos 400 <u>Agri-fos Systemic Fungicide</u> ® at intervals less than 3 days.
	Aerial	1.25 to 3.5 quarts in a minimum of 10 gallons of water per acre.	

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Cucurbits

Use ~~Agri-Fos-400~~ **Agri-fos Systemic Fungicide**® for effective control of *Phytophthora*, *Pythium*, *Fusarium*, *Rhizoctonia*, Downy Mildew, Powdery Mildew, Sudden Wilt, Gummy Stem Blight, Alternaria Leaf Blight, Bottom Soft Root Complex, and for Suppression of Anthracnose in cucurbits grown in field situations such as, but not limited to, Chayote, Cucumber, Chinese Waxgourd, Citron Melon, Gherkin, Gourd, Honeydew Melon, Muskmelon, Pumpkin, Rock Melon, Watermelon, Squash (Summer and Winter), and Zucchini.

Disease	Application Method	Rate	Application Program
Sudden Wilt – (<i>Phytophthora</i> spp) Root Rot <i>Phytophthora</i> blight Fruit Rot (<i>Phytophthora capsici</i>)	Foliar		Entire spray coverage of plant is required. Do not exceed a total of 6 applications per season.
Gummy stem blight (<i>Mycosphaerella melonis</i>)	Foliar	1-3 quarts per 100 gallons. Apply 1¼ quarts per acre in 40 gallons of water. (California only)	Apply when disease is evident. Continue applications at 21 day intervals until cure is apparent. Do not exceed a total of 6 applications per season.
Downy mildew (<i>Pseudoperonospora cubensis</i>)	Foliar		Apply within 7 to 10 days of infection. Repeat as necessary. Do not exceed a total of 6 applications per season.
Powdery mildew and other Leaf Diseases such as Anthracnose and <i>Alternaria</i> Leaf Blight*	Foliar	2 to 2½ quarts in 30 gallons of water per acre	<u>Low Disease Pressure:</u> Apply lower rate at first onset of disease. Repeat applications at 1 to 2 week intervals. Do not apply more than 6 times per crop cycle. <u>High Disease Pressure:</u> Apply higher rate at first onset of disease. Repeat applications at 7 to 10 day intervals. Do not apply more than 6 times per crop cycle.
Bottom Soft Rot Complex*	Foliar	2 to 2½ quarts in up to 100 gallons of water per acre	Apply after fruit set and during bulking 3 times during the growing season.

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Fruiting Vegetables

Use ~~Agri-Fos-400~~ **Agri-fos Systemic Fungicide**® for effective control of *Phytophthora*, *Pythium*, *Fusarium*, *Rhizoctonia*, Downy Mildew, Root Rot, Bacterial Diseases, Alternaria Leaf Blight, and for Suppression of Anthracnose in Eggplant, Tomatoes, Tomatillos, And Peppers Such as, but not Limited to, Bell, Chili, Cooking, Pimento, and Sweet.

Disease	Application Method	Rate	Application Program
<i>Phytophthora</i> <i>Pythium</i> <i>Fusarium</i> * <i>Rhizoctonia</i> *	Foliar	1.25 to 3.5 quarts in 100 gallons of water per acre	Disease Prevention Program**: Apply lower rate at 2-4 week intervals after plants become established. Do not apply Agri-Fos 400 <u>Agri-fos Systemic Fungicide®</u> at intervals less than 3 days.
	Aerial	1.25 to 3.5 quarts in a minimum of 10 gallons of water per acre	Disease Control Program: Apply higher rate at 2-3 week intervals until control is reached. Consult with Farm Advisor or crop expert to determine disease severity. Do not apply Agri-Fos 400 <u>Agri-fos Systemic Fungicide®</u> at intervals less than 3 days.
	Root Dip	2.5 quarts per 100 gallons of water	Apply as pre-plant dip immediately prior to planting (100 gallons is intended to treat the number of slips required to plant one acre).
	Irrigation	Overhead: 2.5 to 4.75 quarts in at least 100 gallons of water	Apply with normal irrigation schedule. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply Agri-Fos 400 <u>Agri-fos Systemic Fungicide®</u> at intervals less than 3 days.
Drip: 2.5 to 3.5 quarts in at least 100 gallons of water			
Downy Mildew	Foliar	1.25 to 3.5 quarts in 100 gallons of water per acre	Apply at 2-3 week intervals. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply Agri-Fos 400 <u>Agri-fos Systemic Fungicide®</u> at intervals less than 3 days.
	Aerial	1.25 to 3.5 quarts in a minimum of 10 gallons of water per acre.	
Tomatoes/Tomatillos: Late Blight (<i>Phytophthora infestans</i>) Root Rot (<i>Phytophthora</i> spp.)	Foliar	1½ quarts per acre in 25 gallons of water to 2 quarts per acre in 250 gallons of water California: 1¼ quarts per acre in 90 gallons of water	First application at transplant or when direct seeded crops are at 2-4 true leaf, then at one to two week intervals as required to control disease. In high disease situations use higher rates and shorter spray intervals.
Bacterial Diseases*	Foliar	1 to 2 quarts in 30 gallons of water per acre	Begin application after plants are established and conditions favor disease development.
	Aerial	1 to 1½ quart in 10 gallons of water per acre	Low Disease Pressure: Apply lower rate at 1 to 2 week intervals. Do not apply more than 6 times per crop cycle.
	Pre-plant seedling: nursery treatment	1 quart in 100 gallons of water to nursery plants in seedling trays 1 to 7 days prior to planting out	High Disease Pressure: Apply higher rate at 7 to 10 day intervals. Do not apply more than 6 times per crop cycle.

	Transplant and furrow application	3 pints at planting or to newly planted seedlings by side dressing or shank application	For control of bacterial leaf spot of tomatoes, apply the high rate of AGRI-FOS 400 AGRI-FOS SYSTEMIC FUNGICIDE® with registered bactericides.
	Chemigation Overhead	1 to 2 quarts in 1000 gallons of water per acre	Apply with normal irrigation schedule. Low Disease Pressure: Apply lower rate at 1 to 2 week intervals. Do not apply more than 6 times per crop cycle.
	Chemigation Low volume	2 to 3 quarts in 100 gallons of water per acre	High Disease Pressure: Apply higher rate at 7 to 10 day intervals. Do not apply more than 6 times per crop cycle.
Leaf Diseases, such as: Anthracnose* <i>Alternaria</i> Leaf Blight*	Foliar	1 to 2 quarts in 30 gallons of water per acre	Low Disease Pressure: Apply lower rate at first onset of disease. Repeat applications at 1 to 2 week intervals. Do not apply more than 6 times per crop cycle.
	Aerial	1 to 1½ quarts in 10 gallons of water per acre	High Disease Pressure: Apply higher rate at first onset of disease. Repeat applications at 7 to 10 day intervals. Do not apply more than 6 times per crop cycle.

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Grapes and Vines

Use ~~Agri-Fos 400~~ **Agri-fos Systemic Fungicide®** for effective control of *Phytophthora*, *Pythium*, *Fusarium*, *Rhizoctonia*, Downy Mildew, Powdery Mildew, and Phomopsis in Grapes (all types), Raisins, and Kiwi fruit.

Disease	Application Method	Rate	Application Program
<i>Phytophthora</i> <i>Pythium</i> <i>Fusarium</i> * <i>Rhizoctonia</i> *	Foliar	1.25 to 3.5 quarts in 100 gallons of water per acre	Disease Prevention Program**: Apply lower rate at 2-4 week intervals after plants become established. Do not apply Agri-Fos 400 Agri-fos Systemic Fungicide® at intervals less than 3 days.
	Aerial	1.25 to 3.5 quarts in a minimum of 10 gallons of water per acre	Disease Control Program: Apply higher rate at 2-3 week intervals until control is reached. Consult with Farm Advisor or crop expert to determine disease severity. Do not apply Agri-Fos 400 Agri-fos Systemic Fungicide® at intervals less than 3 days.
	Root Dip	2.5 quarts per 100 gallons of water	Apply as pre-plant dip to the roots for 15-30 minutes. Plant within 24 hours after dipping.
	Irrigation	Overhead: 2.5 to 4.75 quarts in at least 100 gallons of water	Apply with normal irrigation schedule. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply Agri-Fos 400 Agri-fos Systemic Fungicide® at intervals less than 3 days.
		Drip: 2.5 to 3.5 quarts in at least 100 gallons of water	
Trunk Injection	3.5 teaspoons per linear yard	Apply according to injection equipment instructions. Adjust rate based on injection	

		of canopy width or 2 inch of trunk diameter at breast height (DBH). Inject directly in to trunk.	equipment suggestions for specific applications. Repeat 2-4 times a year until control is reached.
Downy mildew (<i>Plasmopara viticola</i>)	Foliar	Early season small canopy, 1¼ quarts per acre in 100 gallons water Late season/large canopy, 2 quarts per acre in 150 gallons water to 2½ quarts per acre in 200 gallons water	It is essential that the rate of Agri-Fos 400 Agri-fos Systemic Fungicide® be adjusted to the vine-row volume, i.e., the volume of vine foliage per acre. Spray timing is critical. Apply Agri-Fos 400 Agri-fos Systemic Fungicide® at times of high disease risk, especially between the time that conditions are conducive to downy mildew infection and the appearance of oil spots. Ensure spray coverage is adequate and that the appropriate rate of Agri-Fos 400 Agri-fos Systemic Fungicide® is applied to match vine growth, particularly from mid-season onwards, and especially where grapes are grown on root stock.
Downy mildew (<i>Plasmopara viticola</i>)	Foliar	1½ to 2 quarts in 50 gallons of water per acre	Apply a bud break with additional applications at 7 to 10 day intervals in a rotational program with other registered fungicides. Use higher rate and volume based on disease severity and density of canopy. Do not apply more than 6 times per crop cycle.
Powdery mildew* (<i>Uncinula necator</i>)	Foliar spray	2 to 2½ quarts in 30 gallons of water per acre	Low Disease Pressure: Apply lower rate at first onset of disease. Repeat applications at 1 to 2 week intervals. Do not apply more than 6 times per crop cycle. High Disease Pressure: Apply higher rate at first onset of disease. Repeat applications at 7 to 10 day intervals. Do not apply more than 6 times per crop cycle.
Phomopsis	Foliar	2.5 to 5 pints per acre	Prebloom, apply 50 gal/acre, postbloom apply 50-100 gal/acre. Key to controlling phomopsis is a season-long spray program on a 7-10 day interval starting at the 1-3 inch shoot stage. Do not exceed spray solution concentration of 0.5%.

* Not for use in California.

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

Herbs and Spices

Use **Agri-Fos 400 Agri-fos Systemic Fungicide®** for effective control of *Phytophthora*, *Pythium*, *Fusarium*, *Rhizoctonia*, Downy Mildew, and Powdery Mildew diseases of herbs and spices grown in fields, nurseries and greenhouses. Apply **Agri-Fos 400 Agri-fos Systemic Fungicide®** to plants such as, but not limited to, Allspice, Angelica, Anise, Annatto, Balm, Basil, Cardamom, Borage, Bumet, Caper Buds, Caraway, Catnip, Cassia Bark And Buds, Celery, Chamomile, Chervil, Chives, Cilantro, Cinnamon, Clary, Clove, Cocoa, Coriander, Costmary, Cumin, Curry Leaf, Dill, Fennel, Fenugreek, Horehound, Hyssop, Juniper Berry, Lavender, Lemongrass, Lovage, Mace, Marigold, Marjoram, Mint, Mustard, Nasturtium, Nutmeg, Parsley, Pennyroyal, Pepper, Poppy Seed, Rosemary, Rue, Saffron, Sage, Savory, Sweet Bay, Tansy, Tarragon, Thyme, Vanilla, Wintergreen, Woodruff and Wormwood.

Make applications before disease development and in conjunction with good cultural management practices. Use higher rate of application when disease pressure is severe. Do not exceed indicated application rates or apply more frequently than stated on label in order to avoid plant injury. Do not apply to plants that are heat or moisture stressed.

Disease	Application Method	Rate	Application Program
<i>Phytophthora</i> <i>Pythium</i> <i>Fusarium</i> * <i>Rhizoctonia</i> *	Foliar	1.25 to 3.5 quarts in 100 gallons of water per acre	Disease Prevention Program**: Apply lower rate at 2-4 week intervals after plants become established. Do not apply Agri-Fos 400 Agri-fos Systemic Fungicide ® at intervals less than 3 days. Disease Control Program: Apply higher rate at 2-3 weeks intervals until control is reached. Consult with Farm Advisor or crop expert to determine disease severity. Do not apply Agri-Fos 400 Agri-fos Systemic Fungicide ® at intervals less than 3 days.
	Aerial	1.25 to 3.5 quarts in a minimum of 10 gallons of water per acre	
	Irrigation	Overhead: 2.5 to 4.75 quarts in at least 100 gallons of water	Apply with normal irrigation schedule. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply Agri-Fos 400 Agri-fos Systemic Fungicide ® at intervals less than 3 days.
Drip: 2.5 to 3.5 quarts in at least 100 gallons of water			
Downy Mildew Powdery Mildew*	Foliar	1.25 to 3.5 quarts in 100 gallons of water per acre	Apply at 2-3 week intervals. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply Agri-Fos 400 Agri-fos Systemic Fungicide ® at intervals less than 3 days.
	Aerial	1.25 to 3.5 quarts in a minimum of 10 gallons of water per acre.	

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

Hops

Use ~~Agri-Fos 400~~Agri-fos ~~Systemic Fungicide~~® for effective control of *Phytophthora*, *Pythium*, *Fusarium*, *Rhizoctonia*, Downy Mildew, and Powdery Mildew in Hops.

Disease	Application Method	Rate	Application Program
<i>Phytophthora</i> <i>Pythium</i> <i>Fusarium</i> * <i>Rhizoctonia</i> *	Foliar	1.25 to 3.5 quarts in 100 gallons of water per acre	Disease Prevention Program**: Apply lower rate at 2-4 week intervals after plants become established. Do not apply Agri-Fos 400 Agri-fos Systemic Fungicide ® at intervals less than 3 days. Disease Control Program: Apply higher rate at 2-3 week intervals until control is reached. Consult with Farm Advisor or crop expert to determine disease severity. Do not apply Agri-Fos 400 Agri-fos Systemic Fungicide ® at intervals less than 3 days.
	Aerial	1.25 to 3.5 quarts in a minimum of 10 gallons of water per acre	
	Irrigation	Overhead: 2.5 to 4.75 quarts in at least 100 gallons of water	Apply with normal irrigation schedule. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply Agri-Fos 400 Agri-fos Systemic Fungicide ® at intervals less than 3 days.
Drip: 2.5 to 3.5 quarts in at least 100 gallons of water			
Downy Mildew Powdery Mildew*	Foliar	1.25 to 3.5 quarts in 100 gallons of water per acre	Apply at 2-3 week intervals. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply Agri-Fos 400 Agri-fos Systemic Fungicide ® at intervals less than 3 days.
	Aerial	1.25 to 3.5 quarts in a minimum of 10 gallons of water per	

		acre.	
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*Not for use in California.

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

Leafy Vegetables

Use ~~Agri-Fos 400~~ [Agri-fos Systemic Fungicide](#)® for effective control of *Phytophthora*, *Pythium*, *Fusarium*, *Rhizoctonia*, Downy Mildew, Powdery Mildew, and other Fungal Leaf Disease, and for Suppression of Anthracnose in leafy vegetables such as, but not limited to, Amaranth, Arugula, Cardoon, Celery, Chervil, Chicory, Chillies, Chrysanthemum, Corn Salad, Cress, Dandelion, Dock, Endive, Fennel, Lettuce, Orach, Parsley, Purslane, Radicchio, Rhubarb, Salsify, Spinach, Swiss Chard, Tanier, and Tobacco. Excludes Brassica vegetables.

Disease	Application Method	Rate	Application Program
<i>Phytophthora</i> <i>Pythium</i> <i>Fusarium</i> * <i>Rhizoctonia</i> *	Foliar	1.25 to 3.5 quarts in 100 gallons of water per acre	Disease Prevention Program**: Apply lower rate at 2-4 week intervals after plants become established. Do not apply Agri-Fos 400 Agri-fos Systemic Fungicide ® at intervals less than 3 days.
	Aerial	1.25 to 3.5 quarts in a minimum of 10 gallons of water per acre	Disease Control Program: Apply higher rate at 2-3 week intervals until control is reached. Consult with Farm Advisor or crop expert to determine disease severity. Do not apply Agri-Fos 400 Agri-fos Systemic Fungicide ® at intervals less than 3 days.
	Root Dip	2.5 quarts per 100 gallons of water	Apply as pre-plant dip immediately prior to planting (100 gallons is intended to treat the number of slips required to plant one acre).
	Irrigation	Overhead: 2.5 to 4.75 quarts in at least 100 gallons of water	Apply with normal irrigation schedule. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply Agri-Fos 400 Agri-fos Systemic Fungicide ® at intervals less than 3 days.
Drip: 2.5 to 3.5 quarts in at least 100 gallons of water			
Downy Mildew Powdery Mildew*	Foliar	1.25 to 3.5 quarts in 100 gallons of water per acre	Apply at 2-3 week intervals. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply Agri-Fos 400 Agri-fos Systemic Fungicide ® at intervals less than 3 days.
	Aerial	1.25 to 3.5 quarts in a minimum of 10 gallons of water per acre.	
White Rust (Spinach Only)	Foliar	3.75 to 5 pints per acre	Apply at 2-3 week intervals
Leaf Diseases such as: Anthracnose* (<i>Colletotrichum</i> spp.)* Leaf Blights (<i>Septoria</i> and <i>Cercospora</i> spp.)* Bacterial Rots (<i>Erwinia</i> spp.)*	Foliar	1½ to 2 quarts in a 30 gallons of water per acre	Low Disease Pressure: Apply lower rate at first onset of disease. Repeat applications at 1 to 2 week intervals. Do not apply more than 6 times per crop cycle. High Disease Pressure: Apply higher rate at first onset of disease. Repeat applications at 7 to 10 day intervals. Do not apply more than 6 times per crop cycle.

*Not for use in California.

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

Legumes

Use ~~Agri-Fos 400~~ **Agri-fos Systemic Fungicide**® for effective control of *Phytophthora*, *Pythium*, *Fusarium*, *Rhizoctonia*, Downy Mildew, Powdery Mildew, and other Fungal Leaf Diseases and for Suppression of Anthracnose in legumes (succulent and dried) such as, but not limited to, Green Beans, Soybeans, Wax Beans, Field Beans, Navy Beans, Lima Beans, Fava Beans, Guar, Jackbean, Kidney Beans, Lablab Bean, Pinto Bean, Mung Beans, Broad Beans, Lentils, Chickpeas, English Peas, Snow Peas, Sugar Snap Peas, Sword Bean, Black-Eyed Peas, Cow Peas, and Pigeon Peas.

Disease	Application Method	Rate	Application Program
<i>Phytophthora</i> <i>Pythium</i> <i>Fusarium</i> * <i>Rhizoctonia</i> *	Foliar	1.25 to 3.5 quarts in 100 gallons of water per acre	Disease Prevention Program**: Apply lower rate at 2-4 week intervals after plants become established. Do not apply Agri-Fos 400 Agri-fos Systemic Fungicide ® at intervals less than 3 days. Disease Control Program: Apply higher rate at 2-3 weeks intervals until control is reached. Consult with Farm Advisor or crop expert to determine disease severity. Do not apply Agri-Fos 400 Agri-fos Systemic Fungicide ® at intervals less than 3 days.
	Aerial	1.25 to 3.5 quarts in a minimum of 10 gallons of water per acre	
	Irrigation	Overhead: 2.5 to 4.75 quarts in at least 100 gallons of water Drip: 2.5 to 3.5 quarts in at least 100 gallons of water	Apply with normal irrigation schedule. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply Agri-Fos 400 Agri-fos Systemic Fungicide ® at intervals less than 3 days.
Downy Mildew Powdery Mildew*	Foliar	1.25 to 3.5 quarts in 100 gallons of water per acre	Apply at 2-3 week intervals. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply Agri-Fos 400 Agri-fos Systemic Fungicide ® at intervals less than 3 days.
	Aerial	1.25 to 3.5 quarts in a minimum of 10 gallons of water per acre.	
Leaf Diseases such as: Anthracnose* (<i>Colletotrichum</i> spp.)* Leaf Blights (<i>Septoria</i> and <i>Cercospora</i> spp.)* Bacterial Rots (<i>Erwinia</i> spp.)*	Foliar	2 to 2½ quarts in 30 gallons of water per acre	Low Disease Pressure**: Apply lower rate at the first onset of the disease. Repeat applications at 1 to 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 to 10 day intervals. Do not apply more than 6 times per crop cycle.

*Not for use in California.

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

Mangos

Use ~~Agri-Fos 400~~ [Agri-fos Systemic Fungicide](#)® for suppression of Anthracnose in Mangos.

Disease	Application Method	Rate	Application Program
Anthracnose (<i>Colletotrichum gloeosporoides</i>)	Foliar spray Ground	2 tsp. per gallon of water	Spray tree every 14 days during blossom period, then monthly until harvest. Spray to the point of run-off.

Miscellaneous Crops

Use ~~Agri-Fos 400~~ [Agri-fos Systemic Fungicide](#)® for effective control of *Phytophthora*, *Pythium*, *Fusarium*, *Rhizoctonia*, Downy Mildew, Powdery Mildew, and other Bacterial Leaf Diseases and for Suppression of Anthracnose in Canola, Coffee, Okra, Papaya, Persimmon, Sunflower, and Safflower.

Disease	Application Method	Rate	Application Program
<i>Phytophthora</i> <i>Pythium</i> <i>Fusarium</i> * <i>Rhizoctonia</i> *	Foliar	1.25 to 3.5 quarts in 100 gallons of water per acre	Disease Prevention Program**: Apply lower rate at 2-4 week intervals after plants become established. Do not apply Agri-Fos 400 Agri-fos Systemic Fungicide ® at intervals less than 3 days.
	Aerial	1.25 to 3.5 quarts in a minimum of 10 gallons of water per acre	Disease Control Program: Apply higher rate at 2-3 week intervals until control is reached. Consult with Farm Advisor or crop expert to determine disease severity. Do not apply Agri-Fos 400 Agri-fos Systemic Fungicide ® at intervals less than 3 days.
	Root Dip	2.5 quarts per 100 gallons of water	Apply as pre-plant dip immediately prior to planting (100 gallons is intended to treat the number of slips required to plant one acre).
	Irrigation	Overhead: 2.5 to 4.75 quarts in at least 100 gallons of water Drip: 2 to 3 quarts in at least 100 gallons of water	Apply with normal irrigation schedule. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply Agri-Fos 400 Agri-fos Systemic Fungicide ® at intervals less than 3 days.
Downy Mildew Powdery Mildew*	Foliar	1.25 to 3.5 quarts in 100 gallons of water per acre	Apply at 2-3 week intervals. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply Agri-Fos 400 Agri-fos Systemic Fungicide ® at intervals less than 3 days.
	Aerial	1.25 to 3.5 quarts in a minimum of 10 gallons of water per acre.	
Bacterial and Leaf Diseases such as: Coffee berry disease* (<i>Colletotrichum</i> spp.)* Anthracnose* (<i>Colletotrichum</i> spp.)* Leaf Spots Diseases*	Foliar	1 to 2 quarts in 100 gallons of water per acre	Begin application after plants are established and conditions favor disease development.
	Aerial	1 to 2 quarts in 10 gallons of water per acre	Low Disease Pressure: Apply lower rate at 1 to 2 week intervals. Do not apply more than 6 times per crop cycle. High Disease Pressure: Apply higher rate at 7 to 10 day intervals. Do not apply more than 6 times per crop cycle.

(Septoria and Cercospora spp.)*	Root dip	Mix a 0.25% v/v solution (0.25 fl. oz. with 1 gallon of water)	Apply as pre-plant dip to transplants immediately prior to planting. Dip plants momentarily and plant within 48. Mix a fresh solution daily.
	Chemigation Overhead	2 to 3 quarts in 1000 gallons of water per acre	Apply with normal irrigation schedule. <u>Low Disease Pressure:</u> Apply lower rate at 1 to 2 week intervals. Do not apply more than 6 times per crop cycle. <u>High Disease Pressure:</u> Apply higher rate at 7 to 10 day intervals. Do not apply more than 6 times per crop cycle.
	Chemigation Low Volume	2 to 4 quarts in 100 gallons of water per acre	
	Transplant and furrow application	3 pints at planting or to newly planted seedlings by side dressing or shank application	
<i>Pseudomonas garcae</i> *	Foliar	Mix a 0.50% v/v solution (2 quarts per 100 gallons of water)	Apply prior to onset of disease. Apply spray to saturation or runoff.

*Not for use in California.

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

Non-grass Animal Feed

Use ~~Agri-Fos 400~~ **Agri-fos Systemic Fungicide®** for effective control of *Phytophthora*, *Pythium*, *Rhizoctonia*, *Fusarium*, and Downey Mildew in forage crops such as, but not limited to, Alfalfa, Clover, Sainfoin, and Vetch.

Disease	Application Method	Rate	Application Program
<i>Phytophthora</i> <i>Pythium</i> <i>Fusarium</i> * <i>Rhizoctonia</i> *	Foliar	1.25 to 3.5 quarts in 100 gallons of water per acre	Disease Prevention Program**: Apply lower rate at 2-4 week intervals after plants become established. Do not apply Agri-Fos 400 Agri-fos Systemic Fungicide® at intervals less than 3 days.
	Aerial	1.25 to 3.5 quarts in a minimum of 10 gallons of water per acre	Disease Control Program: Apply higher rate at 2-3 week intervals until control is reached. Consult with Farm Advisor or crop expert to determine disease severity. Do not apply Agri-Fos 400 Agri-fos Systemic Fungicide® at intervals less than 3 days.
	Irrigation	Overhead: 2.5 to 4.75 quarts in at least 100 gallons of water Drip: 2.5 to 3.5 quarts in at least 100 gallons of water	Apply with normal irrigation schedule. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply Agri-Fos 400 Agri-fos Systemic Fungicide® at intervals less than 3 days.
Downy Mildew	Foliar	1.25 to 3.5 quarts in 100 gallons of water per acre	Apply at 2-3 week intervals. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply Agri-Fos 400 Agri-fos Systemic Fungicide® at intervals less than 3 days.
	Aerial	1.25 to 3.5 quarts in a minimum of 10 gallons of water per acre.	

*Not for use in California.

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

Onions

Use ~~Agri-Fos 400~~ [Agri-fos Systemic Fungicide](#)® for effective control of *Phytophthora*, *Pythium*, *Fusarium*, *Rhizoctonia*, Downy Mildew, and Powdery Mildew in Onions, Garlic, Shallots, and Leeks. Use as a preventative control program for best results.

Disease	Application Method	Rate	Application Program
<i>Phytophthora</i> <i>Pythium</i> <i>Fusarium</i> * <i>Rhizoctonia</i> *	Foliar	1.25 to 3.5 quarts in 100 gallons of water per acre	Disease Prevention Program**: Apply lower rate at 2-4 week intervals after plants become established. Do not apply Agri-Fos 400 Agri-fos Systemic Fungicide ® at intervals less than 3 days.
	Aerial	1.25 to 3.5 quarts in a minimum of 10 gallons of water per acre	
	Root Dip	2.5 quarts per 100 gallons of water	Apply as pre-plant dip immediately prior to planting (100 gallons is intended to treat the number of slips required to plant one acre).
	Irrigation	Overhead: 2.5 to 4.75 quarts in at least 100 gallons of water	Apply with normal irrigation schedule. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply Agri-Fos 400 Agri-fos Systemic Fungicide ® at intervals less than 3 days.
Drip: 2.5 to 3.5 quarts in at least 100 gallons of water			
Downy mildew (<i>Peronospora destructor</i>)	Foliar	2 quarts per acre in 100 gallons water per acre	As a regular preventative control program or when disease first appears.
Powdery Mildew*	Foliar	1.25 to 3.5 quarts in 100 gallons of water per acre	Apply at 2-3 week intervals. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply Agri-Fos 400 Agri-fos Systemic Fungicide ® at intervals less than 3 days.
	Aerial	1.25 to 3.5 quarts in a minimum of 10 gallons of water per acre.	

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Peanuts

Use ~~Agri-Fos 400~~ [Agri-fos Systemic Fungicide](#)® for effective control of *Phytophthora*, *Pythium*, *Fusarium*, *Rhizoctonia*, Downy Mildew, Powdery Mildew, Leaf Spot diseases, and for suppression of Anthracnose in Peanuts.

Disease	Application Method	Rate	Application Program
<i>Phytophthora</i> <i>Pythium</i> <i>Fusarium</i> * <i>Rhizoctonia</i> * Early and Late Leaf Spot* (<i>Cercospora arachidicola</i> * <i>Cercosporidium personatum</i>)*	Foliar	1.25 to 3.5 quarts in 100 gallons of water per acre	Disease Prevention Program**: Apply lower rate at 2-4 week intervals after plants become established. Do not apply Agri-Fos 400 Agri-fos Systemic Fungicide ® at intervals less than 3 days.
	Aerial	1.25 to 3.5 quarts in a minimum of 10 gallons of water per acre	
			Disease Control Program: Apply higher rate at 2-3 week intervals until control is reached. Consult with Farm Advisor or crop expert to determine disease

			severity. Do not apply Agri-Fos 400 Agri-fos Systemic Fungicide® at intervals less than 3 days.
	Irrigation	Overhead: 2.5 to 4.75 quarts in at least 100 gallons of water	Apply with normal irrigation schedule. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply Agri-Fos 400 Agri-fos Systemic Fungicide® at intervals less than 3 days.
		Drip: 2.5 to 3.5 quarts in at least 100 gallons of water	
Downy Mildew Powdery Mildew*	Foliar	1.25 to 3.5 quarts in 100 gallons of water per acre	Apply at 2-3 week intervals. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply Agri-Fos 400 Agri-fos Systemic Fungicide® at intervals less than 3 days.
	Aerial	1.25 to 3.5 quarts in a minimum of 10 gallons of water per acre.	
Leaf and Crown Diseases* Anthracnose* (<i>Colletotricum</i>)*	Transplant and furrow application	3 pints at planting or to newly planted seedlings by side/top dressing or shank application	Begin application after plants are established and conditions favor disease development. <u>Low Disease Pressure:</u> Apply lower rate at 1 to 2 week intervals. Do not apply more than 6 times per crop cycle. <u>High Disease Pressure:</u> Apply higher rate at 7 to 10 day intervals. Do not apply more than 6 times per crop cycle.

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Pineapples

Use ~~Agri-Fos 400~~Agri-fos Systemic Fungicide® for effective control of *Phytophthora*, *Pythium*, *Fusarium*, *Rhizoctonia*, Downy Mildew, and Powdery Mildew in Pineapples.

Disease	Application Method	Rate	Application Program
<i>Phytophthora</i> Root and Heart Rot (<i>Phytophthora cinnamomi</i> and <i>parasitica</i> spp)	Foliar spray (pre-harvest)	2½ quarts in 25 to 50 gallons of water per acre	Apply to tops, 14 days prior to harvest of planting material. Will treat enough slips to plant one acre. Established plantings when conditions favor disease. Apply at 90 day intervals. Ensure thorough coverage of plants.
	Pre-plant dip	1¼ quarts in 100 gallons water	
	Foliar	2 quarts in 100 gallons water	
<i>Pythium</i> <i>Fusarium</i> * <i>Rhizoctonia</i> *	Foliar	1.25 to 35 quarts in 100 gallons of water per acre	Disease Prevention Program**: Apply lower rate at 2-4 week intervals after plants become established. Do not apply Agri-Fos 400 Agri-fos Systemic Fungicide® at intervals less than 3 days.
	Aerial	1.25 to 3.5 quarts in a minimum of 10 gallons of water per acre	Disease Control Program: Apply higher rate at 2-3 week intervals until control is reached. Consult with Farm Advisor or crop expert to determine disease severity. Do not apply Agri-Fos 400 Agri-fos Systemic Fungicide® at intervals less than 3 days.
	Root Dip	2.5 quarts per 100 gallons of water	Apply as pre-plant dip immediately prior to planting (100 gallons is intended to treat the number of slips required to plant one acre).
	Irrigation	Overhead: 2.5 to 4.75 quarts in at least 100 gallons of water	Apply with normal irrigation schedule. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply Agri-Fos 400 Agri-

		Drip: 2.5 to 3.5 quarts in at least 100 gallons of water	fos Systemic Fungicide® at intervals less than 3 days.
Downy Mildew Powdery Mildew*	Foliar	1.25 to 3.5 quarts in 100 gallons of water per acre	Apply at 2-3 week intervals. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply Agri-Fos 400 Agri-fos Systemic Fungicide® at intervals less than 3 days.
	Aerial	1.25 to 3.5 quarts in a minimum of 10 gallons of water per acre.	

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Potatoes Post-Harvest

Use [Agri-Fos 400](#)[Agri-fos Systemic Fungicide®](#) only on russet-skinned potatoes intended for processing for suppression of late blight (*Phytophthora infestans*), pink rot (*Phytophthora erythroseptica*), and powdery mildew.

Disease	Application Method	Rate	Application Program
Late blight* (<i>Phytophthora infestans</i>)* Pink Rot* (<i>Phytophthora erythroseptica</i>)*	Spray on tubers	16.5 fl. oz. in ½ gallon of water/ton of tubers	Apply only to russet-skinned potatoes intended for processing. For best results, be sure tubers are thoroughly and evenly covered.
Late blight* (<i>Phytophthora infestans</i>)* Pink Rot* (<i>Phytophthora erythroseptica</i>)*	Foliar	2 to 2½ quarts in 50 gallons of water per acre	Begin application after plants are established and conditions favor disease development.
			Low Disease Pressure: Apply lower rate at 1 to 2 week intervals. Do not apply more than 6 times per crop cycle.
	High Disease Pressure: Apply higher rate at 7 to 10 day intervals. Do not apply more than 6 times per crop cycle.		
	Seed piece spray	Mix a 15% v/v solution (0.3 quart with 2 quarts of water). Treat 2 tons of tubers per 1 gallon of solution.	Late blight management using Agri-Fos 400 Agri-fos Systemic Fungicide® requires the high application rate and is most effectively applied when tank mixed with other registered fungicides.
	Tuber spray		Treat seed pieces with a full coverage spray.

Powdery mildew*	Foliar	1 to 3 quarts in 50 gallons of water per acre	<p>Low Disease Pressure: Apply lower rate at the first onset of the disease. Repeat applications at 1 to 2 week intervals. Do not apply more than 4 times per crop cycle.</p> <p>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 4 times per crop cycle.</p>
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*Not for use in California

Root and Tuber Vegetables

Use [Agri-Fos 400 Agri-fos Systemic Fungicide®](#) for effective control of *Phytophthora*, *Pythium*, *Fusarium*, *Rhizoctonia*, Downy Mildew, Powdery Mildew, Pink Rot, and Late Blight in root and tuber vegetables such as, but not limited to Arraccacha, Arrowroot, Beet, Burdock, Cannna, Carrot, Cassava, Celeriac, Ginger, Ginseng, Potatoes, Radish, Rutabaga, Skirret, Sugar Beet, Sweet Potatoes, Turmeric, Turnip, and Yams (all varieties).

Disease	Application Method	Rate	Application Program
<i>Phytophthora</i> <i>Pythium</i> <i>Fusarium</i> * <i>Rhizoctonia</i> *	Foliar	1.25 to 3.5 quarts in 100 gallons of water per acre	<p>Disease Prevention Program**: Apply lower rate at 2-4 week intervals after plants become established. Do not apply Agri-Fos 400 Agri-fos Systemic Fungicide® at intervals less than 3 days.</p> <p>Disease Control Program: Apply higher rate at 2-3 week intervals until control is reached. Consult with Farm Advisor or crop expert to determine disease severity. Do not apply Agri-Fos 400 Agri-fos Systemic Fungicide® at intervals less than 3 days.</p>
	Aerial	1.25 to 3.5 quarts in a minimum of 10 gallons of water per acre	Apply higher rate at 2-3 week intervals until control is reached. Consult with Farm Advisor or crop expert to determine disease severity. Do not apply Agri-Fos 400 Agri-fos Systemic Fungicide® at intervals less than 3 days.
	Root Dip	2.5 quarts per 100 gallons of water	Apply as pre-plant dip immediately prior to planting (100 gallons is intended to treat the number of slips required to plant one acre).
	Irrigation	Overhead: 2.5 to 4.75 quarts in at least 100 gallons of water	Apply with normal irrigation schedule. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply Agri-Fos 400 Agri-fos Systemic Fungicide® at intervals less than 3 days.
Drip: 2.5 to 3.5 quarts in at least 100 gallons of water			
Carrots: <i>Phytophthora</i> spp. <i>Pythium</i> spp.	Ground	1½ quarts per acre in 25 gallons of water to 2 quarts per acre in 250 gallons of water	Apply at 14-day intervals after plant emergence, as needed. Assure good coverage.
Potatoes, Sweet Potatoes, Yams: Pink rot <i>Pythium</i> leak (<i>Phytophthora erythroseptica</i> and <i>Pythium</i> spp.)	In-furrow spray	2 to 5 quarts per acre in 10 gallons water	Apply in a band spray directly over top of potato seed just before row is closed.
Potatoes, Sweet Potatoes, Yams:	Foliar	1¼ quarts per acre in 90-375 gallons water	Apply at 5 to 14 day intervals subject to disease incidence.

Late Blight Pink Rot <i>Pythium</i> Leak (<i>Phytophthora infestans</i> , <i>Phytophthora erythroseptica</i> and <i>Pythium</i> spp.)		per acre	
Downy Mildew Powdery Mildew*	Foliar	1.25 to 3.5 quarts in 100 gallons of water per acre	Apply at 2-3 week intervals. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply Agri-Fes 400Agri-fos Systemic Fungicide® at intervals less than 3 days.
	Aerial	1.25 to 3.5 quarts in a minimum of 10 gallons of water per acre.	

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

Stone Fruit

Use **Agri-Fes 400Agri-fos Systemic Fungicide®** for effective control of *Phytophthora*, *Pythium*, *Fusarium*, *Rhizoctonia*, Downy Mildew, Root and Collar Rot, Almond Pruning Wound, and various Canker Disease in stone fruit such as, but not limited to, apricots, sweet and tart Cherries, Nectarines, Olives, Peaches, Plums, and fresh Prunes.

Disease	Application Method	Rate	Application Program
<i>Phytophthora</i> <i>Pythium</i> <i>Fusarium</i> * <i>Rhizoctonia</i> *	Foliar	1.25 to 3.5 quarts in 100 gallons of water per acre	Disease Prevention Program**: Apply lower rate at 2-4 week intervals after plants become established. Do not apply Agri-Fes 400Agri-fos Systemic Fungicide® at intervals less than 3 days.
	Aerial	1.25 to 3.5 quarts in a minimum of 10 gallons of water per acre	Disease Control Program: Apply higher rate at 2-3 week intervals until control is reached. Consult with Farm Advisor or crop expert to determine disease severity. Do not apply Agri-Fes 400Agri-fos Systemic Fungicide® at intervals less than 3 days.
	Root Dip	2.5 quarts per 100 gallons of water	Apply as pre-plant dip to the roots for 15-30 minutes. Plant within 24 hours after dipping.
	Irrigation	Overhead: 2.5 to 4.75 quarts in at least 100 gallons of water	Apply with normal irrigation schedule. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply Agri-Fes 400Agri-fos Systemic Fungicide® at intervals less than 3 days.
		Drip: 2.5 to 3.5 quarts in at least 100 gallons of water	
Trunk Injection	3.5 teaspoons per linear yard of canopy width or 2 inch of trunk diameter at breast height (DBH). Inject directly in to tree.	Apply according to injection equipment instructions. Adjust rate based on injection equipment suggestions for specific applications. Repeat 2-4 times a year until control is reached.	
Downy Mildew	Foliar	1.25 to 3.5 quarts in 100 gallons of water per acre	Apply at 2-3 week intervals. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply Agri-Fes 400Agri-fos Systemic Fungicide® at intervals less than 3 days.
	Aerial	1.25 to 3.5 quarts in a minimum of 10 gallons of water per acre.	

	Foliar spray	2½ quarts per acre in 250 gallons water	Three treatments are required 1. Spring 2. Mid-summer 3. Fall, post-harvest
Root and Collar Rot* (<i>Phytophthora</i> spp.)*	Basal bark spray, apply in spring and fall	62.4 fl. oz. + 62.4 fl. oz. of water + 3.2 fl. oz. Supa Stik PN Bark Penetrating Surfactant	Spray a combination of Agri-Fos 400 Agri-fos Systemic Fungicide® and Supa Stik PN-Bark around the complete circumference of the tree trunk until saturation/runoff. Spray from ground level up to 5 feet above the soil line, including the base of the first scaffolding limbs, if present. Treat in spring and fall for best results.
Almond pruning Wound Cankers* (<i>Phytophthora syringae</i>)*	Paint or spray	1¼ to 2½ quarts in 100 gallons water	Apply to pruning wound and surrounding area, ensure area is thoroughly wet. In high disease situations use higher rate.
Suppression of Armillaria* Root Rot* (<i>Armillaria luteobubalina</i>)*	Basal Bark Spray	1½ to 2 quarts + 2 quarts water + 1% Supa Stik PN Bark Penetrating Surfactant	Spray a combination of Agri-Fos 400 Agri-fos Systemic Fungicide® and Supa Stik PN around the complete circumference of the tree trunk until saturation/runoff. Spray from ground level up to 5 feet above the soil line, including the base of the first scaffolding limbs, if present. For large trees larger than 18 inches DBH (Diameter at Breast Height, 4.5 feet above ground) that have been previously attacked by Armillaria root rot, make a fall application prior to leaf senesce and a spring application for best results. For trees less than 18 inches DBH, make an early spring application.

*Not for use in California.

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Strawberries

Use **Agri-Fos 400 Agri-fos Systemic Fungicide®** for effective control of leather rot, red stele, *Phytophthora*, foliar and Bacterial Disease, and Downy Mildew in Strawberries and suppression of Powdery Mildew.

Disease	Application Method	Rate	Application Program
<i>Phytophthora</i> <i>Pythium</i> spp. (Red Steele, Leather Rot, and Root Rot)	Pre-planting dip	1¼ quarts in 100 gallons water	Dip planting material in this solution for 30 minutes, then plant within one day. Use program for annual and perennial varieties.
Foliar Fungal and Bacterial Diseases* such as:			Annual crops, first treatment 14 to 21 days post planting, repeat at 1-2 month intervals when disease is evident.

<i>Rhizopus*</i> <i>Xanthomonas*</i>	Foliar	1 to 3 quarts in 50 to 100 gallons of water per acre	Perennial crops, first treatment during spring growth flush, repeat at 1-2 month intervals when disease is evident. For susceptible varieties use higher rates and shorter spray intervals. For leather rot, apply at 10% bloom and early fruit set, then 1 to 2 week intervals as required for disease control. In high disease situations, use higher rate and shorter spray intervals.
	Transplant and furrow	3 pints at planting or to newly planted seedlings by side dressing or shank application	Grey mold and Anthracnose suppression using Agri-Fos 400 Agri-fos Systemic Fungicide® requires use of high application rates.
<i>Phytophthora</i> spp.*	Dip	Mix a 0.25% v/v solution (1 quart in 100 gallons of water)	Dip runners in the solution for 1 to 2 minutes. Plant within 48 hours. Mix a fresh solution daily.
Suppression of Powdery Mildew*	Foliar	2 to 2½ quarts in 50 gallons of water per acre	Low Disease Pressure: Apply lower rate at the first onset of the disease. Repeat applications at 1 to 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 to 10 day intervals. Do not apply more than 6 times per crop cycle.
Downy Mildew	Foliar	1.25 to 3.5 quarts in 100 gallons of water per acre	Disease Prevention Program**: Apply lower rate at 2-4 week intervals after plants become established. Do not apply Agri-Fos 400 Agri-fos Systemic Fungicide® at intervals less than 3 days. Disease Control Program: Apply higher rate at 2-3 week intervals until control is reached. Consult with Farm Advisor or crop expert to determine disease severity. Do not apply Agri-Fos 400 Agri-fos Systemic Fungicide® at intervals less than 3 days.
	Aerial	1.25 to 3.5 quarts in a minimum of 10 gallons of water per acre.	

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Tree Nuts

Use **Agri-Fos 400 Agri-fos Systemic Fungicide®** for effective control of *Phytophthora*, *Pythium*, *Fusarium*, *Rhizoctonia*, Downy Mildew, Pecan Scab, and Pruning Wound Canker disease in tree nuts such as, but not limited to, Almonds, Beech Nuts, Brazil Nuts, Butternuts, Cashews, Chestnuts, Filbert, Chinquapin, Hazelnuts, Hickory Nuts, Macadamia Nuts, Pecans, Pistachios and Walnuts.

Disease	Application Method	Rate	Application Program
<i>Phytophthora</i> <i>Pythium</i> <i>Fusarium</i> * <i>Rhizoctonia</i> *	Foliar	1.25 to 3.5 quarts in 100 gallons of water per acre	Disease Prevention Program**: Apply lower rate at 2-4 week intervals after plants become established. Do not apply Agri-Fos 400 Agri-fos Systemic Fungicide® at intervals less than 3 days.
	Aerial	1.25 to 3.5 quarts in a minimum of 10 gallons of water per acre	Disease Control Program: Apply higher rate at 2-3 week intervals until control is reached. Consult with Farm Advisor or crop expert to determine disease severity. Do not apply Agri-Fos 400 Agri-fos Systemic Fungicide® at intervals less than 3 days.
	Root Dip	2.5 quarts per 100 gallons of water	Apply as pre-plant dip to the roots for 15-30 minutes. Plant within 24 hours after dipping.
	Irrigation	Overhead: 2.5 to 4.75 quarts in at least 100 gallons of water	Apply with normal irrigation schedule. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply Agri-Fos 400 Agri-fos Systemic Fungicide® at intervals less than 3 days.
		Drip: 2.5 to 3.5 quarts in at least 100 gallons of water	
Trunk Injection	3.5 teaspoons per linear yard of canopy width or 2 inch of trunk diameter at breast height (DBH). Inject directly in to tree.	Apply according to injection equipment instructions. Adjust rate based on injection equipment suggestions for specific applications. Repeat 2-4 times a year until control is reached.	
Downy Mildew	Foliar	1.25 to 3.5 quarts in 100 gallons of water per acre	Apply at 2-3 week intervals. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply Agri-Fos 400 Agri-fos Systemic Fungicide® at intervals less than 3 days.
	Aerial	1.25 to 3.5 quarts in a minimum of 10 gallons of water per acre.	
Macadamia nuts: Raceme blight* (<i>Phytophthora</i> spp.)*	Foliar	3¼ quarts per acre in 250 gallons of water	Apply when disease is first seen and reapply at 3 week intervals. Spray to the point of run-off.
Pecan scab (<i>Cladosporium caryigenum</i>)	Foliar	2.5 to 3.75 pints per acre	Apply Agri-Fos 400 Agri-fos Systemic Fungicide® in a preventative spray schedule beginning at bud break and continue on a 10-14 day interval. Apply preventatively with other products shown to be effective against pecan scab.
Pruning wound Crown and Trunk Cankers* (<i>Phytophthora</i> spp.)	Trunk spray	2 quarts + 2 quarts of water + 1% Supa Stik PN Bark Penetrating Surfactant	Apply higher rate when lesions are present. Clean wound sites and apply on and around the lesions using enough spray volume to thoroughly wet the lesions. Apply to the trunk from the soil line to 5 feet up the trunk. Apply one time in the Spring, Summer, and Fall.
Tree cankers*	Basal bark spray	1½ to 2 quarts + 2 quarts water + 1% Supa Stik PN Bark Penetrating Surfactant	Spray a combination of Agri-Fos 400 Agri-fos Systemic Fungicide® and Supa Stik PN around the complete circumference of the tree trunk until saturation/runoff. Spray from ground level up to 5

			feet above the soil line, including the base of the first scaffolding limbs, if present. For large trees larger than 18 inches DBH (Diameter at Breast Height, 4.5 feet above ground) that have been previously attacked by <i>Armillaria</i> root rot, make a fall application prior to leaf senescence and a spring application for best results. For trees less than 18 inches DBH, make an early spring application.
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*Not for use in California.

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

Seed Treatment Applications

Use ~~Agri-Fos 400~~ **Agri-fos Systemic Fungicide**® for effective control of *Phytophthora* and *Pythium* diseases on agricultural crop seeds from crops listed elsewhere on this label. Do not use treated seed for food, feed, or oil. Dye used to color treated seed must be an EPA approved dye (refer to 40 CFR 153-155 (c)). Seed treatment on agricultural establishment in hopper-box, planter box, or other seed treatment application at or immediately before planting is within the scope of WPS, while commercial treatment of seeds is not within the scope of WPS.

Disease	Application Method	Rate
<i>Phytophthora</i> * <i>Pythium</i> * <i>Fusarium</i> spp*	Can be applied at-planting or in commercial seed treatment operations.	8-24 fl. oz. Agri-Fos 400 Agri-fos Systemic Fungicide ® per 100 lbs of seed or 4-10 quarts Agri-Fos 400 Agri-fos Systemic Fungicide ® per ton of seed, depending on the size of the seeds to be treated.

*Not for use in California.

Grass Grown For Seed Production

Use ~~Agri-Fos 400~~ **Agri-fos Systemic Fungicide**® for effective control of Damping-Off and Root Rot Diseases in turf grasses such as, but not limited to, Bermuda, fescue, bent, blue, rye, zoysia, buffalo, and poa annua.

Disease	Application Method	Rate	Application Program
<i>Phytophthora</i> * <i>Pythium</i> spp*	Foliar	1½ quart per acre in 25 gallons of water to 2 quarts per acre in 250 gallons of water	Apply at 14-21 day intervals, as necessary. Ensure thorough coverage.

*Not for use in California.

Landscape, Golf Course, Nursery, Forestry, and Park Applications

Use ~~Agri-Fos 400~~ **Agri-fos Systemic Fungicide**® for effective control of *Phytophthora* and *Pythium* and other diseases associated with Stem and Canker Blight (Sudden Oak Death, *Phytophthora ramorum*), Beech Decline, and general tree decline syndromes, and for Suppression of Anthracnose and Verticillium wilt in landscapes, nurseries, golf courses, forests, and parks. Apply ~~Agri-Fos 400~~ **Agri-fos Systemic Fungicide**® to trees such as, but not limited to, Ash, Azalea, Beech, Black Locust, Buckeye, Catalpa, Cedar, Cherry – Stone Fruits, Chestnut, Coffee Tree, Crab Apple, Cork Tree, Dogwood - All, Elder, Elm, Fir, Hawthorne, Honey Locust, Juniper, Lilac, Linden, Magnolia, Maples – All, Pine, Oaks – All, Olives, Ornamental Pear, Plum, Pyracantha, Redbud, Smoke Tree, Sumac, Sweet Birch, Sweet Gum, Sycamore, Viburnum, White Pine, White Cedar, and Willow.

Make applications before disease development and in conjunction with good cultural management practices. Use higher rate of application when disease pressure is severe. Do not exceed indicated application rates or apply more frequently than stated on label or tree injury may occur. Do not apply to trees that are heat or moisture stressed. Do not exceed indicated spray intervals or label rates in order to avoid tree injury. When applying to indoor plants do not overspray and use care to apply only to target plants. If meeting these conditions is not possible, remove plants to an outdoor location for treatment and drying before bringing back indoors.

Disease	Application Method	Rate	Application Program
<i>Phytophthora</i> * <i>Pythium spp.</i> * <i>Phytophthora ramorum</i> *	Injection	11 fl. oz. per 21 fl. oz. of water Or ½ tsp. per tsp. of water	Drill holes 3/16 inch in diameter into live sapwood (depth dependent upon age of tree) with downward angle into trunk uniformly around the tree circumference, using a slow drill. Do not inject into areas of obvious decay, canker or mechanical injury that appear on the tree trunk. Calculate the amount of product required by measuring the trees by one of the following 3 methods, and use the highest calculated number of injections. 1) 1 injection per square yard of canopy; 2) 1 injection per yard of diameter of canopy measured at the drip-line; 3) 1 injection per 6 inches of trunk circumference measured 4 feet above soil level. Make injections with applicators that maintain positive pressure differential such as ChemJet®, Sidewinder®, Ag-murf Gun®, Marley® Injector, Smart Shot injector, or hydraulic applicator type equipment that forces solution into the sapwood of the tree..
	Basal bark spray (all other tree species) apply in spring and fall Best for thin bark trees such as Maples, Lindens, Sycamores, and Dogwoods	62.4 fl. oz. + 62.4 fl. oz. of water + 1.5 to 3.0 fl. oz. Supa Stik PN Bark Penetrating Surfactant	Spray a combination of Agri-Fos-400 Agri-fos Systemic Fungicide® and Supa Stik PN around the complete circumference of the tree trunk until saturation/runoff. Spray from ground level up to 5 feet above the soil line, including the base of the first scaffolding limbs, if present. Treat in spring and fall for best results.
<i>Fusarium subglutinans</i> * (Pine Pitch Canker)*	Basal bark spray (Pines) apply anytime active growth is observed	1 gallon of Agri-Fos 400 Agri-fos Systemic Fungicide® + 2 gallons of water + 4 fl. oz. Supa Stik PN Bark Penetrating Surfactant	Apply uniformly to 5 to 6 feet of trunk circumference. Spray from top down to ground level from either first branch or from as high as possible without exposing applicator to drift. Spray to saturation/ runoff. Various types of application equipment can be used such as hydraulic sprayers, handheld pump-type sprayers, and backpack sprayers.

<p><i>Fusarium subglutinans*</i> (Pine Pitch Canker) <i>Gnomonia platani*</i> (Sycamore Anthracnose)</p>	<p>Injection</p>	<p>4 tsp per tree of a 1 gallon AGRI-FOS 400AGRI-FOS SYSTEMIC FUNGICIDE® + 2 gallons of water + 4 fl. oz. of Supa Stik PN solution.</p>	<p>Drill holes 3/16 inch (5 mm) in diameter and 1 inch (25 mm) to 2 inches (50 mm) deep with slight downward angle in trunk. Place syringes in the main trunk of the tree and space evenly around the circumference of the trunk. Suitable for use with Chemjet tree injectors, Ag-murf gun, Smart Shot injector, or positive pressure hydraulic tree injection. Trees should be at least 10" diameter at breast height.</p>
<p>Fire blight*</p>	<p>Foliar</p>	<p>1½ to 2 quarts per 100 gallons of water</p>	<p>First application pre bloom (bud swell or silver tip stage). Application intervals: 7 days until end of bloom period. Apply spray to thoroughly wet all foliage.</p>
<p>Suppression of Anthracnose**</p>	<p>Foliar</p>	<p>2 quarts per 100 gallons of water per acre</p>	<p>Apply at pre bloom (bud swell or green tip stage) with a supplemental application 14 days later with Agri-Fos 600® or other fungicide compound with efficacy on Anthracnose.</p>
	<p>Basal bark spray apply early spring at bud swell until green tip stage of growth</p>	<p>62.4 fl. oz. + 62.4 fl. oz. of water + 1.5 to 3.0 fl. oz. Supa Stik PN Bark Penetrating Surfactant</p>	<p>Spray a combination of Agri-Fos-400Agri-fos Systemic Fungicide® and Supa Stik PN around the complete circumference of the tree trunk until saturation/runoff. Spray from ground level up to 5 feet above the soil line, including the base of the first scaffolding limbs, if present. For large trees larger than 18 inches DBH (Diameter at Breast Height, 4.5 feet above ground) that have been previously attacked by Anthracnose, make a fall application prior to leaf senesce and a spring application for best results. For trees less than 18 inches DBH, make an early spring application.</p>
<p>Suppression of <i>Verticillium Wilt**</i></p>	<p>Foliar</p>	<p>2 quarts in 100 gallons of water per acre</p>	<p>For trees previously identified with infections, apply first application pre-bloom. Repeat applications between 21 to 30 days.</p>

	Basal bark spray	1½ to 2 quarts + 2 quarts of water + 2 fl. oz. Supa Stik PN Bark Penetrating Surfactant	Spray a combination of Agri-Fos 400 Agri-fos Systemic Fungicide® and Supa Stik PN around the complete circumference of the tree trunk until saturation/runoff. Spray from ground level up to 5 feet above the soil line, including the base of the first scaffolding limbs, if present. For large trees larger than 24 inches DBH (Diameter at Breast Height, 4.5 feet above ground) that have been previously attacked by Verticillium wilt, make a fall application prior to leaf senesce and a spring application for best results. For trees less than 24 inches DBH, make an early spring application.
Black spot** (<i>Diplocarpon</i> spp.)	Foliar	1 to 2 quarts per 100 gallons of water	Apply uniformly to foliage preventatively or at first sign of disease.

*Use in California limited to Oaks (Coastal, Live, Shreve, Black, Canyon), Tan Oaks, and other tree species that are host to *P. ramorum*. Do not apply to any other tree species without consulting the list of *P. ramorum* host species listed at the following website: <http://www.suddenoakdeath.org/about-sudden-oak-death/history-background>. Make applications by injection and basal bark spray of pines, basal bark spray of Apples and Crabapples, and injection of Sycamores for control of Sycamore anthracnose. For questions contact your local extension office.

** Not for use in California.

Ornamental Applications

Use ~~Agri-Fos 400~~ **Agri-fos Systemic Fungicide®** for effective control of Bacterial blight, Downy Mildew, Powdery Mildew, *Phytophthora* spp, and *Pythium* spp diseases, and for Suppression of Anthracnose of Ornamentals in landscapes, nurseries, golf courses, parks, interiorscapes, and greenhouses. Apply ~~Agri-Fos 400~~ **Agri-fos Systemic Fungicide®** to plants such as, but not limited to, *Aglaonema*, *Anthurium*, *Aphelandra*, *Arborvitae*, *Azaleas*, *Bougainvillea*, *Boxwood*, *Cattelya Skinneri*, *Ceanothus*, *Cotoneaster*, *Cissus*, *Diffenbachia*, English Ivy, *Eucalyptus*, *Ficus*, *Hibiscus*, Japanese Andromeda, Japanese Holly, Leather Leaf Fern, *Peperomia*, *Photinia*, *Pittosporum*, *Philodendron*, *Pieris*, *Pothos*, *Rhododendron*, Roses (Container, Field, Landscape, And Mini Varieties), *Schefflera*, *Sedum*, *Sempervivum*, *Syngonium*, *Spathiphyllum*, *Taxus media*, and *Zygocactus*.

Make applications before disease development and in conjunction with good cultural management practices. Use higher rate of application when disease pressure is severe. Do not exceed indicated application rates or apply more frequently than stated on label or plant injury may occur. Do not apply to plants that are heat or moisture stressed. Do not apply to plants that are in a state of dormancy. Do not exceed indicated spray intervals or label rates in order to avoid plant injury. When applying to indoor plants do not overspray and use care to apply only to target plants. If meeting these conditions is not possible, remove plants to an outdoor location for treatment and drying before bringing back indoors.

Disease	Application Method	Rate	Application Program
Bacterial blight (<i>Xanthomonas campestris</i>) pathovars: <i>dieffenbachiae</i> , <i>fici</i> <i>hederae</i> , and <i>syngonii</i>	Foliar	2 to 4 pints per 100 gallons of water Or 2 to 4 tsp. per gallon of	Apply spray to thoroughly wet all foliage. Application intervals: 7 to 14 days Repeat as required.

		water	
Downy mildew	Foliar	1 to 2 quarts per 100 gallons of water Or 1 to 2 tsp. per gallon of water	Apply spray to thoroughly wet all foliage. Application intervals: 14 to 21 days. Repeat as required.
<i>Phytophthora</i> spp. <i>Phytophthora ramorum</i> , <i>Pythium</i> spp.	Foliar	1 to 2 quarts per 100 gallons of water Or 1 to 2 tsp. per gallon of water	Apply each 25 gallons of solution to an area of 100 square feet. Follow application with irrigation. Repeat as required. Limit of one application per month.
	Soil drench	6¼-12¾ fl. oz. per 100 gallons of water	
	Soil incorporation	1-2 pints per cubic yard of soil	Just prior to potting, mix 1 to 2 pts. of Agri-Fos 400 Agri-fos Systemic Fungicide® into each cubic yard of growing media. If disease pressure is high, apply foliar spray or soil drench.
	Bare rooted dipping of transplants	2 pints per 100 gallons of water Or 2 tsp. per gallon	Immediately before transplanting, dip transplants for two minutes, keep roots submerged, ensure root mass is thoroughly wet.
Powdery mildew*	Foliar	1½ to 2½ quarts in 50 gallons of water per acre	Low Disease Pressure: Apply lower rate at the first onset of the disease. Repeat applications at 1-2 week intervals. 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.
Suppression of Anthracnose*	Foliar	2 to 2½ quarts in 50 gallons of water per acre	Apply prior to onset of disease. Apply spray to saturation or runoff.
Black Soot* (<i>Diplocarpon</i> spp.)*	Foliar	1 to 2 quarts in 100 gallons of water per acre	Apply uniformly to foliage preventatively or at first sign of disease.

* Not for use in California.

Nursery and Bedding Plants

Use ~~Agri-Fos 400~~ [Agri-fos Systemic Fungicide](#)® for effective control of Downy Mildew, *Phytophthora* spp. and *Pythium* spp. diseases of Bedding Plants grown in landscapes, nurseries and golf courses, parks, interiorscapes, and greenhouses. Apply ~~Agri-Fos 400~~ [Agri-fos Systemic Fungicide](#)® to plants such as, but not limited to, *Ageratum*, *Aglaonema*, Algerian Ivy, *Anthurium*, *Aphelandra*, *Arborvitae*, *Artemesia*, *Aster*, *Azaleas*, *Begonia*, Baby's Breath, *Bougainvillea*, Boxwood, *Caladium*, *Carnation*, *Cattelya Skinneri*, *Ceanothos*, *Cissus*, *Chrysanthemum*, *Coleus*, *Columbine*, *Cotoneaster*, Daisy, *Delphinium*, *Dieffenbachia*, Dogwood, Easter Lily, English Ivy, *Ficus*, *Foxglove*, *Gaillardia*, *Geranium*, *Gloxinia*, *Hibiscus*, *Impatiens*, Japanese Holly, Juniper, Lavender, Leather Leaf Fern, Marigold, Monterey Pink, Pansy, *Pieris*, *Peperomia*, *Petunia*, *Philodendron*, *Phlox*, *Photinia*, Pinks, *Pittosporum*, *Poinsettia*, *Pothos*, Primrose, Prostrate Rosemary, *Rhododendron*, *Salvia*, *Schefflera*, *Sedum*, *Sempervivum*, *Snapdragon*, *Spathiphyllum*, *Taxus media*, *Verbena*, *Vinca*, White Cedar, White Pine, *Zinnia*, and *Zygocactus*. ~~Agri-Fos 400~~ [Agri-fos Systemic Fungicide](#)® may also be used for Vegetable Transplants grown in Greenhouse, Lathehouse, or Shade house sites.

Make applications before disease development and in conjunction with good cultural management practices. Use higher rate of application when disease pressure is severe. Do not exceed indicated application rates or apply more frequently than stated on label in order to avoid plant injury. Do not apply to plants that are heat or moisture stressed. When applying to indoor plants do not overspray and use care to apply only to target plants. If meeting these conditions is not possible, remove plants to an outdoor location for treatment and drying before bringing back indoors.

Disease	Application Method	Rate	Application Program
Downy Mildew	Foliar	1¼ to 2½ quarts per 100 gallons of water Or ½ to 1 1/8 fl. oz. per gallon of water	Apply spray to thoroughly wet all foliage. Application intervals: 14 to 21 days. Repeat as required.
<i>Phytophthora</i> spp <i>Pythium</i> spp	Foliar	1 to 2 quarts per 100 gallons of water Or 2 to 4 tsp. per gallon of water	Apply spray to thoroughly wet all foliage. Application intervals: 14 to 21 days. Repeat as required. Note do not apply more than 500 gallons of spray solution per acre.
	Soil drench	6¼ to 12¾ fl. oz. per 100 gallons of water	Apply each 25 gallons of solution to an area of 100 square feet. Follow application with irrigation. Repeat as required. Limit of one application per month
<i>Phytophthora</i> spp*	Foliar	2 quarts per acre	Apply spray in 20-60 gallons per acre.
	Hand gun	2 quarts per 100 gallons of water	Apply spray to thoroughly wet all foliage.

*Lavender applications.

Conifers in Commercial Nurseries, Plantations, and Forests (Including Christmas Trees)

Apply ~~Agri-Fos 400~~ [Agri-fos Systemic Fungicide](#)® in conjunction with good cultural management practices for effective control of root rot (*Phytophthora* spp) in CONIFERS including, but not limited to, pines, spruce and Douglas fir. Use higher rate of application when disease pressure is severe. Do not exceed indicated application rates or apply more frequently than stated on label in order to avoid plant injury. Do not apply to CONIFERS that are moisture or heat stressed.

Disease	Application Method	Rate	Application Program
<i>Phytophthora</i>	Foliar	1.25 to 2.5 quarts per 100 gallons of water	Apply spray to thoroughly wet all foliage. Application intervals: 14 to 21 days. Repeat as required.
	Soil drench	14 to 28 fl. oz. per 100 gallons of water	Apply one gallon of solution per sq yd. Follow application with irrigation. Application intervals: 14 to 21 days. Repeat as required.
	Root Dip	1 quart per 100 gallons of water Or 2 tsp. per gallon of water	Immediately before transplanting, dip transplants for two minutes; keep roots submerged and ensure root mass is thoroughly wet.
<i>Fusarium subglutinans</i> (Pine Pitch Canker)*	Basal bark spray apply any time active growth is observed	1 gallon Agri-Fos 400 <u>Agri-fos Systemic Fungicide®</u> + 2 gallons of water + 4 fl. oz. of Supa Stik PN Bark Penetrating Surfactant	Spray a combination of Agri-Fos 400 <u>Agri-fos Systemic Fungicide®</u> and Supa Stik PN around the complete circumference of the tree trunk until saturation/runoff. Spray from ground level up to 5 feet above the soil line.
	Injection	4 tsp. per tree of a 1 gallon Agri-Fos 400 <u>Agri-fos Systemic Fungicide®</u> + 2 gallons of water	Drill holes 3/16 inch (5 mm) in diameter and 1 inch (25 mm) to 2 inches (50 mm) deep with slight downward angle in trunk. Place syringes in the main trunk of the tree and space evenly around the circumference of the trunk. Suitable for use with Chemjet tree injectors, Ag-murf gun, or hydraulic tree injection. Trees should be at least 10" diameter at breast height.

*Not for use in California except as an injection and/or basal bark spray on pines.
Do not graze livestock in treated areas of conifer nurseries or plantations. Do not feed forage from treated areas of plantations and or nurseries.

Turf

Use ~~Agri-Fos 400~~ **Agri-fos Systemic Fungicide®** for the effective control of *Rhizoctonia*, *Pythium*, and for suppression of Anthracnose of turf grasses on golf courses, parks, commercial landscapes, commercial turf production, and sod farms. When conditions favor disease, begin preventive applications and repeat at indicated intervals. Use higher rate of application when disease pressure is severe.

Disease	Application Method	Rate	Application Program
<i>Pythium</i> spp.	Foliar	5 to 10 fl. oz. per 1000 sq. ft.	Apply indicated quantity of product in 1 to 2 gallons of water per 1000 sq. ft. Ensure foliage is thoroughly wet. Application intervals: 14-21 days. Repeat as required. Do not irrigate or mow treated areas until spray has completely dried.
Suppression of Anthracnose*	Foliar	5 to 10 fl. oz. in 2 gallons of water per 1000 sq. ft.	Apply prior to onset of disease. Apply every 7 to 14 days.
<i>Rhizoctonia</i> *	Foliar	5 to 10 fl. oz. in 2 gallons of water per 1000 sq. ft.	Apply prior to onset of disease. Apply every 7 to 14 days.

* Not for use in California.

Do not graze animals on treated areas of turf. Do not feed treated turf clippings to poultry or livestock.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE:

Keep this product in containers stored upright and secured with the original closure. Do not store this product near any heat source. Do not store near strong oxidants. If transfer to another container becomes necessary, ensure that the container is clearly labeled, the container is a type suitable for the product, and is clean and free of other materials.

PESTICIDE DISPOSAL:

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

CONTAINER HANDLING:

Non-refillable container. Do not reuse or refill this container.

Containers with a capacity of equal to or less than 5 gallons: Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

Containers with a capacity greater than 5 gallons: Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ 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.

Offer for recycling if available or reconditioning if appropriate, or puncture and dispose of in a

sanitary landfill, or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

WARRANTY AND DISCLAIMER

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

Sub-label B – Residential Uses

**AGRI-FOS 400 AGRI-FOS SYSTEMIC
FUNGICIDE®**

FOR RESIDENTIAL USE ONLY
SYSTEMIC FUNGICIDE FOR THE EFFECTIVE CONTROL OF VARIOUS PLANT DISEASES

[FOR USE ON: ORNAMENTALS, TURF, FRUIT & MORE, AS LISTED]

*[CONTROLS DAMPING-OFF AND ROOT ROT IN FRUITING VEGETABLES, ORNAMENTALS,
AND BEDDING PLANTS, AS LISTED.]*

*[CONTROLS: ROOT ROT, DOWNY MILDEW, FIRE BLIGHT, BLACK SPOT & MORE, AS
LISTED]*

[Systemic Action: fungicide moves throughout the entire plant to treat diseases, as listed.]

ACTIVE INGREDIENTS: Mono- and di-potassium salts of Phosphorous Acid*	45.8%
OTHER INGREDIENTS:	<u>54.2%</u>
TOTAL	100.0%

*Contains 5.17 lbs/gallon of the active ingredients, mono- and di-potassium salts of Phosphorous Acid.
Equivalent to 3.35 lbs Phosphorous Acid/gallon

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

Consult page 2 of this booklet for First Aid and Precautionary Statements

EPA Reg. No. 71962-1

EPA Est. No. 71962-AUS-001
72499-GA-001
71975-WA-001
68253-CO-001

Manufactured for:
LIQUID FERTILISER PTY. LTD. (Trading as Agrichem)

2 Hovey Road
Yatala, Queensland 4207
Australia
+61 7 3451 0000

Batch No.:

Date of Manufacture:

Net Contents: 1 pt., 1 qt., 1 gal., or 5 gal.

FIRST AID

IF SWALLOWED:

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

IF IN EYES:

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

IF ON SKIN OR CLOTHING:

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

IF INHALED:

- Move person to fresh air
- If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible
- Call a poison control center or doctor for further treatment advice

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

Hotline Number: National Poison Control, 1-800-222-1222

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION. Harmful if swallowed, absorbed through skin or inhaled. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Avoid breathing spray mist or vapors. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

ENVIRONMENTAL HAZARDS

For Terrestrial Use: To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Rinsing application equipment over the treated area will help avoid run off to water bodies or drainage systems.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Read entire label before using this product. For use only in home gardens, on home lawns, and on home ornamentals and related home plants.

When using **Agri-Fos 400 Agri-fos Systemic Fungicide®** with Supa Stik PN adhere to all applicable label directions. Only use Supa Stik PN with basal bark applications.

GENERAL APPLICATION INSTRUCTIONS

Apply **Agri-Fos 400 Agri-fos Systemic Fungicide®** by various application methods, including foliar spray, soil drench, soil incorporation, basal bark application and bare root dip. For foliar sprays, apply **Agri-Fos 400 Agri-fos Systemic Fungicide®** with sufficient water volumes for adequate coverage of foliage, according to plant type and growth stage. To ensure good coverage, spray to wetness, but avoid run-off. **Harvest when dry.**

When applying **Agri-Fos 400 Agri-fos Systemic Fungicide®** to plant species for the first time, spray a limited number of plants first and wait for 3 days. Then check for leaf burn (phytotoxicity).

MIXING INSTRUCTIONS

1. Fill the spray tank with ¼ - ½ of the volume of water required before adding ~~Agri-Fos 400~~ Agri-fos Systemic Fungicide®
2. Add ~~Agri-Fos 400~~ Agri-fos Systemic Fungicide® slowly to the tank and agitate
3. Fill tank with balance of water to the desired volume
4. Agitate during application

Conversion Table			
1/8 fl. oz.	=	¾ teaspoon (tsp.)	
¼ fl. oz.	=	1½ tsp.	
1/3 fl. oz.	=	2 tsp.	
½ fl. oz.	=	3 tsp.	
2/3 fl. oz.	=	4 tsp.	
¾ fl. oz.	=	4½ tsp.	
1 fl. oz.	=	2 tablespoons (Tbs.)	= 6 tsp.

Agricultural Applications

Apples, Crab Apples, Loquats, Mayhaw, Pears & Quince

Use ~~Agri-Fos 400~~ Agri-fos Systemic Fungicide® for effective control of *Phytophthora*, *Pythium*, *Fusarium*, *Rhizoctonia*, Fire Blight, Downy Mildew, Powdery Mildew, and Black Spot in Apples, Crab Apples, Mayhaw Loquats, Pears, and Quinces.

Disease	Application Method	Rate	Application Program
<i>Phytophthora</i> <i>Pythium</i> <i>Fusarium</i> * <i>Rhizoctonia</i> * Fire Blight* (<i>Erwinia amylovora</i>)	Foliar	2.5 to 7 tsp. per gallon of water	Disease Prevention Program**: Apply lower rate at 2-4 week intervals after plants become established. Do not apply Agri-Fos 400 <u>Agri-fos Systemic Fungicide®</u> at intervals less than 3 days. Disease Control Program: Apply higher rate at 2-3 week intervals until control is reached. Consult with Farm Advisor or crop expert to determine disease severity. Do not apply Agri-Fos 400 <u>Agri-fos Systemic Fungicide®</u> at intervals less than 3 days.
	Root Dip	5 tsp. per gallon of water	Apply as pre-plant dip to the roots for 15-30 minutes. Plant within 24 hours after dipping.
	Trunk Injection	3.5 teaspoons per linear yard of canopy width or 2 inch of trunk diameter at breast height (DBH) Inject directly in to tree.	Apply according to injection equipment instructions. Adjust rate based on injection equipment suggestions for specific applications. Repeat 2-4 times a year until control is reached.
Fire Blight*** (<i>Erwinia amylovora</i>)	Basal bark spray treat in spring and fall for best results	16 fl. oz. + 16 fl. oz. of water + 1 fl. oz. Supa Stik PN Bark Penetrating Surfactant	Spray a combination of Agri-Fos 400 <u>Agri-fos Systemic Fungicide®</u> and Supa Stik PN around the complete circumference of the tree trunk until saturation/runoff. Spray from ground level up to 5 feet above the soil line, including the base of the first scaffolding limbs, if present. (Treatment generally lasts 8-12 weeks depending on pathogen levels).

Downy Mildew Powdery Mildew*	Foliar	2.5 to 7 tsp. per gallon of water	Apply at 2-3 week intervals. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply Agri-Fos 400 Agri-fos Systemic Fungicide® at intervals less than 3 days.
Apple Black Spot Scab*** (<i>Venturia inaequalis</i>)	Foliar	3-4 tsp. per gallon of water	Apply at ¼ - ½ inch green tip through first cover at 7 to 10 day intervals or according to forecasted infection events. Continue with Agri-Fos 400 Agri-fos Systemic Fungicide® and a recommended fungicide in the remaining applications.
	Basal bark spray apply early spring at bud swell or at silver tip stage of growth	16 fl. oz. + 16 fl. oz. of water + 1 fl. oz. Supa Stik PN Bark Penetrating Surfactant	Spray a combination of Agri-Fos 400 Agri-fos Systemic Fungicide® and Supa Stik PN around the complete circumference of the tree trunk until saturation/runoff. Spray from ground level up to 5 feet above the soil line, including the base of the first scaffolding limbs, if present (treatment generally lasts 8-12 weeks depending on pathogen levels. Higher disease pressure will shorten the length of control). Various types of application equipment can be used such as hydraulic sprayers, handheld pump-type sprayers, backpack sprayers, hose-end applicators with backflow prevention devices, and other similar application devices.

* Not for use in California

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

*** Not for use in California except as basal bark spray on apples and crab apples.

Asparagus

Use [Agri-Fos 400 Agri-fos Systemic Fungicide®](#) for effective control of *Phytophthora*, *Pythium*, *Fusarium*, *Rhizoctonia*, Downy Mildew, Powdery Mildew, Crown Rot & Asparagus Spear Slime disease in Asparagus.

Disease	Application Method	Rate	Application Program
<i>Phytophthora</i> <i>Pythium</i> <i>Fusarium</i> * <i>Rhizoctonia</i> *	Foliar	2.5 to 7 tsp. per gallon of water	Disease Prevention Program**: Apply lower rate at 2-4 week intervals after plants become established. Do not apply Agri-Fos 400 Agri-fos Systemic Fungicide® at intervals less than 3 days. Disease Control Program: Apply higher rate at 2-3 week intervals until control is reached. Consult with Farm Advisor or crop expert to determine disease severity. Do not apply Agri-Fos 400 Agri-fos Systemic Fungicide® at intervals less than 3 days.
	Root Dip	5 tsp. per gallon of water	Apply as pre-plant dip immediately prior to planting.

Downy Mildew Powdery Mildew*	Foliar	2.5 to 7 tsp. per gallon of water	Apply at 2-3 week intervals. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply Agri-Fos 400 Agri-fos Systemic Fungicide® at intervals less than 3 days.
Crown Rot* Asparagus Spear Slime* (<i>Phytophthora</i> spp.)	Foliar	1/3 fl. oz. per gallon of water	Apply to ferns that have 2 to 3 inches of new growth. Do not apply to ferns that are starting to die down (senesce). Established plantings, start applications when conditions are favorable to disease (cool wet conditions). Ensure thorough coverage.

*Not for use in California.

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

Avocados

Use ~~Agri-Fos 400~~Agri-fos Systemic Fungicide® for effective control of Root Rot, Trunk Cankers, and Downy Mildew disease in Avocado.

Disease	Application Method	Rate	Application Program
Root Rot (<i>Phytophthora cinnamomi</i>)	Tree injection	Skeletal trees 1st year: ¼ fl. oz. undiluted product per yard of canopy diameter. Other situations: 1/8 fl. oz. diluted with ½ fl. oz. of water per yard of canopy diameter	Inject trees at spring flush maturity. Repeat treatment in February or March. Drill holes 3/16 inch (5 mm) in diameter and 1 inch (25 mm) to 2 inches (50 mm) deep with slight downward angle in trunk. Place syringes in the main trunk of the tree and space evenly around the circumference of the trunk. Suitable for use with Chemjet tree injectors, Ag-murf gun, Smart Shot injector, or hydraulic tree injection. Do not prune back trees before injection process as burning of new growth may occur. Do not inject trees in winter months. Do not cut back the canopy of injected trees. Do not add any material, other than water, to Agri-Fos 400 Agri-fos Systemic Fungicide® by trunk injection. Do not inject more liquid in a lesser number of syringes than directed.
	Foliar	1/3 fl. oz. per gallon of water	Spray to run off at 2 to 2½ gallons of spray solution per adult tree. Start applications in spring, up to 4 applications a year at two-month intervals. Ensure thorough coverage.
Canker (<i>Phytophthora citricola</i>)	Trunk spray	8 to 16 fl. oz. with one gallon of water with 1/2 fl. oz. of Supa Stik PN Bark Penetrating Surfactant	Apply to trunk lesions using sufficient spray volume to completely wet the trunk and lesions. If lesions absent, apply to trunk from soil level to two feet up trunk. If lesions present use higher rate.
Downy mildew	Foliar	¾ teaspoon per gallon of water	Spray to run-off, as required for disease control.

Berries

Use ~~Agri-Fos 400~~ **Agri-fos Systemic Fungicide**® for effective control of *Phytophthora*, *Pythium*, *Fusarium*, *Rhizoctonia*, Downy Mildew, Powdery Mildew, *Septoria* spp., and Anthracnose in bush and cane berries such as, but not limited to, Bingleberries, Blackberries, Black Satin Berries, Blueberries, Boysenberries, Cherokee Blackberries, Chesterberries, Cheyenne Blackberries, Coryberries, Cranberries, Darrowberries, Dewberries, Dirksen Thornless Berries, Elderberries, Himalayaberries, Huckleberries, Hullberries, Lavacaberries, Loganberries, Lowberries, Lucretiaberrries, Mammoth Blackberries, Marionberries, Mulberries, Nectarberries, Olallieberries, Oregon Evergreen Berries, Phenomenalberries, Rangeberries, Ravenberries, Rossberries, Raspberries (Red, Black, Hybrids/Cultivars), Shwanee Blackberries, and Youngberries.

Disease	Application Method	Rate	Application Program
<i>Phytophthora</i> <i>Pythium</i> <i>Fusarium</i> * <i>Rhizoctonia</i> *	Foliar	2.5 to 7 tsp. per gallon of water	<p>Disease Prevention Program**: Apply lower rate at 2-4 week intervals after plants become established. Do not apply Agri-Fos 400 Agri-fos Systemic Fungicide® at intervals less than 3 days.</p> <p>Disease Control Program: Apply higher rate at 2-3 week intervals until control is reached. Consult with Farm Advisor or crop expert to determine disease severity. Do not apply Agri-Fos 400 Agri-fos Systemic Fungicide® at intervals less than 3 days.</p>
	Root Dip	5 tsp. per gallon of water	Apply as pre-plant dip to the roots for 15-30 minutes. Plant within 24 hours after dipping.
Downy Mildew Powdery Mildew*	Foliar	2.5 to 7 tsp. per gallon of water	Apply at 2-3 week intervals. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply Agri-Fos 400 Agri-fos Systemic Fungicide ® at intervals less than 3 days.
Root Rot* (<i>Phytophthora</i> spp.)	Foliar	2-6 tsp. per gallon of water. Ensure foliage is completely wet.	<p>New plantings: start application when new growth is 2 to 3 inches long. In established plantings start applications when cool wet conditions occur which favor disease.</p> <p>West of Rocky Mountains: Autumn applications, apply when conditions favor disease, repeat in 4 weeks. Spring applications, first application after bud break and repeat in 4 weeks.</p> <p>East of Rocky Mountains: First application spring post bud break (2 to 3 inches new growth) and repeat at 50 to 60 day intervals. Do not exceed 4 applications per season.</p> <p>For blueberries - First application in spring at pink bud and then on a regular schedule of application at two to three week intervals.</p>
General leaf and berry diseases such as those caused by: <i>Septoria</i> spp.* Anthracnose*	Root dip	Mix a 2.5% v/v solution (3 fl. oz./1 gallon 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.

*Not for use in California.

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

Brassicas

Use ~~Agri-Fos 400~~ [Agri-fos Systemic Fungicide](#)® for effective control of *Phytophthora*, *Pythium*, *Fusarium*, *Rhizoctonia*, Damping-Off, Root Rot, Bacterial, Fungal diseases, and Downy Mildew in brassicas such as, but not limited to, Broccoli, Brussels Sprouts, Cabbage, Cauliflower, Cavalo Broccolo, Collards, Chinese Cabbage, Chinese Mustard Cabbage, Horseradish, Kale, Kohlrabi, Mizuna, Mustard Greens, Mustard Spinach and Rape greens.

Disease	Application Method	Rate	Application Program
<i>Phytophthora</i> <i>Pythium</i> <i>Fusarium</i> * <i>Rhizoctonia</i> *	Foliar	2.5 to 7 tsp. per gallon of water	<p>Disease Prevention Program**: Apply lower rate at 2-4 week intervals after plants become established. Do not apply Agri-Fos 400 Agri-fos Systemic Fungicide® at intervals less than 3 days.</p> <p>Disease Control Program: Apply higher rate at 2-3 week intervals until control is reached. Consult with Farm Advisor or crop expert to determine disease severity. Do not apply Agri-Fos 400 Agri-fos Systemic Fungicide® at intervals less than 3 days.</p>
	Root Dip	5 tsp. per gallon of water	Apply as pre-plant dip immediately prior to planting.
Downy mildew (<i>Peronospora parasitica</i>)	Foliar	2 tsp. to 2 fl. oz. per gallon of water California: 1/3 to ½ fl. oz. per gallon of water	1 to 3 week intervals between applications when conditions favor disease development (cool, moist weather). Use higher rates and shorter intervals when disease pressure increases.
Root Rot (<i>Phytophthora</i> spp)* Damping off (<i>Pythium</i> spp.)*	Foliar	1 to 2 fl. oz. per gallon of water	Begin application after plants are established and conditions favor disease development.
	Pre-plant seedling nursery treatment	2 tsp. in 1 gallon of water to plants in seedling trays 1 to 7 days prior to out planting	Low Disease Pressure: Apply lower rate at 1 to 2 week intervals. Do not apply more than 6 times per growing season.
	Transplant and furrow application	3 pints at planting or to newly planted seedlings by side dressing	High Disease Pressure: Apply higher rate at 7 to 10 day intervals. Do not apply more than 6 times per growing season.
<i>Septoria</i> * <i>Colletotrichum</i> * <i>Alternaria</i> *, Powdery Mildew*	Foliar	1 to 2 fl. oz. per gallon of water	<p>Low Disease Pressure: Apply lower rate at first onset of disease. Repeat applications at 1 to 2 week intervals. Do not apply more than 6 times per growing season.</p> <p>High Disease Pressure: Apply higher rate at first onset of disease. Repeat applications at 7 to 10 day intervals. Do not apply more than 6 times per growing season.</p>

*Not for use in California.

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

Citrus - Mature trees

Use ~~Agri-Fos 400~~ [Agri-fos Systemic Fungicide](#)® for effective control of *Phytophthora*, *Pythium*, *Fusarium*, *Rhizoctonia*, Downy Mildew, Root Rot, and Collar Rot diseases in citrus such as, but not limited to, Calamondin, Citrus Hybrids, Grapefruit, Kumquat, Lemon, Lime, Mandarin, Orange (all types), Pummelo and Satsuma mandarin.

Disease	Application Method	Rate	Application Program
<i>Phytophthora</i> <i>Pythium</i> <i>Fusarium</i> * <i>Rhizoctonia</i> *	Foliar	2.5 to 7 tsp. per gallon of water	Disease Prevention Program**: Apply lower rate at 2-4 week intervals after plants become established. Do not apply Agri-Fos 400 Agri-fos Systemic Fungicide® at intervals less than 3 days. Disease Control Program: Apply higher rate at 2-3 week intervals until control is reached. Consult with Farm Advisor or crop expert to determine disease severity. Do not apply Agri-Fos 400 Agri-fos Systemic Fungicide® at intervals less than 3 days.
	Root Dip	5 tsp. per gallon of water	Apply as pre-plant dip to the roots for 15-30 minutes. Plant within 24 hours after dipping.
	Trunk Injection	3.5 teaspoons per linear yard of canopy width or 2 inch of trunk diameter at breast height (DBH). Inject directly in to tree.	Apply according to injection equipment instructions. Adjust rate based on injection equipment suggestions for specific applications. Repeat 2-4 times a year until control is reached.
Downy Mildew	Foliar	2.5 to 7 tsp. per gallon of water	Apply at 2-3 week intervals. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply Agri-Fos 400 Agri-fos Systemic Fungicide® at intervals less than 3 days.
Brown Rot Root Rot (<i>Phytophthora</i> spp.)	Foliar	1 teaspoon per gallon of water	When conditions favor disease. Spray trees to run off ensure even coverage. Do not apply at high temperatures (above 95°F) particularly if humidity is low or to moisture-stressed trees
Root Rot (<i>Phytophthora nicotianae</i>) Collar Rot (<i>Phytophthora citrophthora</i>)	Trunk spray	8 to 16 fl. oz. per gallon of water with ¼ to ½ fl. oz. of Supa Stik PN Bark Penetrating Surfactant	Spray trunk lesions with enough spray volume to ensure lesions are completely wet. When disease levels are high use higher rate
Pre-harvest Blue and Green Mold Brown Rot* (<i>Phytophthora citricola</i>)	Foliar	4 tsp. per gallon of water	Apply 2 to 4 weeks prior to harvest. Ensure fruit is thoroughly covered by the spray application.

* Not for use in California.

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

Coconuts

Use [Agri-Fos 400 Agri-fos Systemic Fungicide®](#) for effective control of Bud Rot and Nut Fall in Coconuts.

Disease	Application Method	Rate	Application Program
Bud Rot Nut Fall (<i>Phytophthora palmivora</i>)	Injection	1/3 to 1 fl. oz. per tree	Dilute Agri-Fos 400 Agri-fos Systemic Fungicide® with water to give final injection volume of 1 fl. oz. to 2 fl. oz. of water and Agri-Fos 400 Agri-fos

			<p>Systemic Fungicide®. Inject into the trunk or root system.</p>
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Cucurbits

Use ~~Agri-Fos 400~~ **Agri-fos Systemic Fungicide®** for effective control of *Phytophthora*, *Pythium*, *Fusarium*, *Rhizoctonia*, Downy Mildew, Powdery Mildew, Sudden Wilt, Gummy Stem Blight, Alternaria Leaf Blight, Bottom Soft Root Complex, and for Suppression of Anthracnose in cucurbits grown in field situations such as, but not limited to, Chayote, Cucumber, Chinese Waxgourd, Citron Melon, Gherkin, Gourd, Honeydew Melon, Muskmelon, Pumpkin, Rock Melon, Watermelon, Squash (summer and winter), and Zucchini.

Disease	Application Method	Rate	Application Program
Sudden Wilt – (<i>Phytophthora</i> spp) Root Rot <i>Phytophthora</i> blight Fruit Rot (<i>Phytophthora capsici</i>)	Foliar	2-6 tsp. per gallon of water Apply 1 fl. oz. per gallon of water (CA only)	Entire spray coverage of plant is required. Do not exceed a total of 6 applications per season.
Gummy stem blight (<i>Mycosphaerella melonis</i>)			Apply when disease is evident. Continue applications at 21 day intervals until cure is apparent. Do not exceed a total of 6 applications per season.
Downy mildew (<i>Pseudoperonospora cubensis</i>)			Apply within 7 to 10 days of infection. Repeat as necessary. Do not exceed a total of 6 applications per season.
Powdery mildew and other Leaf Diseases such as Anthracnose and Alternaria Leaf Blight*	Foliar	2 to 3 fl. oz. per gallon of water	Low Disease Pressure: Apply lower rate at first onset of disease. Repeat applications at 1 to 2 week intervals. Do not apply more than 6 times per growing season. High Disease Pressure: Apply higher rate at first onset of disease. Repeat applications at 7 to 10 day intervals. Do not apply more than 6 times per growing season.
Bottom Soft Rot Complex*	Foliar	4-5 tsp. per gallon of water	Apply after fruit set and during bulking 3 times during the growing season.

* Not for use in California.

Fruiting Vegetables

Use ~~Agri-Fos 400~~ **Agri-fos Systemic Fungicide®** for effective control of *Phytophthora*, *Pythium*, *Fusarium*, *Rhizoctonia*, Downy Mildew, Root Rot, Bacterial Diseases, Alternaria Leaf Blight, and for Suppression of Anthracnose in Eggplant, Tomatoes, Tomatillos, And Peppers Such As, But Not Limited To, Bell, Chili, Cooking, Pimento, and Sweet.

Disease	Application Method	Rate	Application Program
<i>Phytophthora</i> <i>Pythium</i> <i>Fusarium</i> * <i>Rhizoctonia</i> *	Foliar	2.5 to 7 tsp. per gallon of water	Disease Prevention Program**: Apply lower rate at 2-4 week intervals after plants become established. Do not apply Agri-Fos 400 Agri-fos Systemic Fungicide® at intervals less than 3 days. Disease Control Program: Apply higher rate at 2-3 week intervals until control is reached. Consult with Farm Advisor or crop expert to determine disease severity. Do not apply Agri-Fos 400 Agri-fos Systemic Fungicide® at intervals less than 3 days.
	Root Dip	5 tsp. per gallon of water	Apply as pre-plant dip immediately prior to planting.
Downy Mildew	Foliar	2.5 to 7 tsp. per gallon of water	Apply at 2-3 week intervals. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply Agri-Fos 400 Agri-fos Systemic Fungicide® at intervals less than 3 days.
Tomatoes/Tomatillos: Late Blight (<i>Phytophthora infestans</i>) Root Rot (<i>Phytophthora</i> spp.)	Foliar	2 tsp. to 2 fl. oz. per gallon of water California: 3 tsp. per gallon of water	First application at transplant or when direct seeded crops are at 2-4 true leaf, then at one to two week intervals as required to control disease. In high disease situations use higher rates and shorter spray intervals.
Bacterial Diseases*	Foliar	1 to 2 fl. oz. per gallon of water	Begin application after plants are established and conditions favor disease development.
	Pre-plant seedling: nursery treatment	1 tsp. in 1 gallon of water to plants in seedling trays 1 to 7 days prior to out planting	Low Disease Pressure: Apply lower rate at 1 to 2 week intervals. Do not apply more than 6 times per growing season.
	Transplant and furrow application	3 pints at planting or to newly planted seedlings by side dressing	High Disease Pressure: Apply higher rate at 7 to 10 day intervals. Do not apply more than 6 times per growing season. For control of bacterial leaf spot of tomatoes, apply the high rate of Agri-Fos 400 Agri-fos Systemic Fungicide® with registered bactericides.

Leaf Diseases, such as: Anthracnose* <i>Alternaria</i> Leaf Blight*	Foliar	1 to 2 fl. oz. per gallon of water	Low Disease Pressure: Apply lower rate at first onset of disease. Repeat applications at 1 to 2 week intervals. Do not apply more than 6 times per growing season. High Disease Pressure: Apply higher rate at first onset of disease. Repeat applications at 7 to 10 day intervals. Do not apply more than 6 times per growing season.
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* Not for use in California.

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

Grapes and Vines

Use ~~Agri-Fos 400~~ **Agri-fos Systemic Fungicide®** for effective control of *Phytophthora*, *Pythium*, *Fusarium*, *Rhizoctonia*, Downy Mildew, Powdery Mildew, and Phomopsis in Grapes (all types), Raisins, and Kiwi fruit.

Disease	Application Method	Rate	Application Program
<i>Phytophthora</i> <i>Pythium</i> <i>Fusarium</i> * <i>Rhizoctonia</i> *	Foliar	2.5 to 7 tsp. per gallon of water	Disease Prevention Program**: Apply lower rate at 2-4 week intervals after plants become established. Do not apply Agri-Fos 400 Agri-fos Systemic Fungicide® at intervals less than 3 days. Disease Control Program: Apply higher rate at 2-3 week intervals until control is reached. Consult with Farm Advisor or crop expert to determine disease severity. Do not apply Agri-Fos 400 Agri-fos Systemic Fungicide® at intervals less than 3 days.
	Root Dip	5 tsp. per gallon of water	Apply as pre-plant dip to the roots for 15-30 minutes. Plant within 24 hours after dipping.
	Trunk Injection	3.5 teaspoons per linear yard of canopy width or 2 inch of trunk diameter at breast height (DBH). Inject directly in to trunk.	Apply according to injection equipment instructions. Adjust rate based on injection equipment suggestions for specific applications. Repeat 2-4 times a year until control is reached.
Downy mildew (<i>Plasmopara viticola</i>)	Foliar	½ fl. oz per gallon of water	It is essential that the rate of Agri-Fos 400 Agri-fos Systemic Fungicide® be adjusted to the vine-row volume, i.e., the volume of vine foliage per acre. Spray timing is critical. Apply Agri-Fos 400 Agri-fos Systemic Fungicide® at times of high disease risk, especially between the time that conditions are conducive to downy mildew infection and the appearance of oil spots. Ensure spray coverage is adequate and that the appropriate rate of Agri-Fos 400 Agri-fos Systemic Fungicide® is applied to match vine growth, particularly from mid-season onwards, and especially where grapes are grown on root stock.

Powdery mildew* (<i>Uncinula necator</i>)	Foliar	2 to 3 fl. oz. per gallon of water	Low Disease Pressure: Apply lower rate at first onset of disease. Repeat applications at 1 to 2 week intervals. Do not apply more than 6 times per growing season. High Disease Pressure: Apply higher rate at first onset of disease. Repeat applications at 7 to 10 day intervals. Do not apply more than 6 times per growing season.
Phomopsis	Foliar	1 tsp. per gallon of water	Prebloom, key to controlling phomopsis is a season-long spray program on a 7-10 day interval starting at the 1-3 inch shoot stage. Do not exceed spray solution concentration of 0.5%.

* Not for use in California.

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

Herbs and Spices

Use ~~Agri-Fos 400~~ [Agri-fos Systemic Fungicide](#)® for effective control of *Phytophthora*, *Pythium*, *Fusarium*, *Rhizoctonia*, Downy Mildew, and Powdery Mildew diseases of herbs and spices grown in fields, nurseries and greenhouses. Apply ~~Agri-Fos 400~~ [Agri-fos Systemic Fungicide](#)® to plants such as, but not limited to, Allspice, Angelica, Anise, Annatto, Balm, Basil, Cardamom, Borage, Bumet, Caper Buds, Caraway, Catnip, Cassia Bark And Buds, Celery, Chamomile, Chervil, Chives, Cilantro, Cinnamon, Clary, Clove, Cocoa, Coriander, Costmary, Cumin, Curry Leaf, Dill, Fennel, Fenugreek, Horehound, Hyssop, Juniper Berry, Lavender, Lemongrass, Lovage, Mace, Marigold, Marjoram, Mint, Mustard, Nasturtium, Nutmeg, Parsley, Pennyroyal, Pepper, Poppy Seed, Rosemary, Rue, Saffron, Sage, Savory, Sweet Bay, Tansy, Tarragon, Thyme, Vanilla, Wintergreen, Woodruff and Wormwood.

Make applications before disease development and in conjunction with good cultural management practices. Use higher rate of application when disease pressure is severe. Do not exceed indicated application rates or apply more frequently than stated on label in order to avoid plant injury. Do not apply to plants that are heat or moisture stressed.

Disease	Application Method	Rate	Application Program
<i>Phytophthora</i> <i>Pythium</i> <i>Fusarium</i> * <i>Rhizoctonia</i> *	Foliar	2.5 to 7 tsp. per gallon of water	Disease Prevention Program**: Apply lower rate at 2-4 week intervals after plants become established. Do not apply Agri-Fos 400 Agri-fos Systemic Fungicide ® at intervals less than 3 days. Disease Control Program: Apply higher rate at 2-3 weeks intervals until control is reached. Consult with Farm Advisor or crop expert to determine disease severity. Do not apply Agri-Fos 400 Agri-fos Systemic Fungicide ® at intervals less than 3 days.
Downy Mildew Powdery Mildew*	Foliar	2.5 to 7 tsp. per gallon of water	Apply at 2-3 week intervals. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply Agri-Fos 400 Agri-fos Systemic Fungicide ® at intervals less than 3 days.

*Not for use in California.

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

Hops

Use ~~Agri-Fos-400~~ [Agri-fos Systemic Fungicide](#)® for effective control of *Phytophthora*, *Pythium*, *Fusarium*, *Rhizoctonia*, Downy Mildew, and Powdery Mildew in Hops.

Disease	Application Method	Rate	Application Program
<i>Phytophthora</i> <i>Pythium</i> <i>Fusarium</i> * <i>Rhizoctonia</i> *	Foliar	2.5 to 7 tsp. per gallon of water	<p>Disease Prevention Program**: Apply lower rate at 2-4 week intervals after plants become established. Do not apply Agri-Fos-400 Agri-fos Systemic Fungicide® at intervals less than 3 days.</p> <p>Disease Control Program: Apply higher rate at 2-3 week intervals until control is reached. Consult with Farm Advisor or crop expert to determine disease severity. Do not apply Agri-Fos-400 Agri-fos Systemic Fungicide® at intervals less than 3 days.</p>
Downy Mildew Powdery Mildew*	Foliar	2.5 to 7 tsp. per gallon of water	Apply at 2-3 week intervals. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply Agri-Fos-400 Agri-fos Systemic Fungicide ® at intervals less than 3 days.

*Not for use in California.

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

Leafy Vegetables

Use ~~Agri-Fos-400~~ [Agri-fos Systemic Fungicide](#)® for effective control of *Phytophthora*, *Pythium*, *Fusarium*, *Rhizoctonia*, Downy Mildew, Powdery Mildew, and other Fungal Leaf Disease, and for Suppression of Anthracnose in leafy vegetables such as, but not limited to, Amaranth, Arugula, Cardoon, Celery, Chervil, Chicory, Chillies, Chrysanthemum, Corn Salad, Cress, Dandelion, Dock, Endive, Fennel, Lettuce, Orach, Parsley, Purslane, Radicchio, Rhubarb, Salsify, Spinach, Swiss Chard, Tanier, and Tobacco. Excludes Brassica vegetables.

Disease	Application Method	Rate	Application Program
<i>Phytophthora</i> <i>Pythium</i> <i>Fusarium</i> * <i>Rhizoctonia</i> *	Foliar	2.5 to 7 tsp. per gallon of water	<p>Disease Prevention Program**: Apply lower rate at 2-4 week intervals after plants become established. Do not apply Agri-Fos-400 Agri-fos Systemic Fungicide® at intervals less than 3 days.</p> <p>Disease Control Program: Apply higher rate at 2-3 week intervals until control is reached. Consult with Farm Advisor or crop expert to determine disease severity. Do not apply Agri-Fos-400 Agri-fos Systemic Fungicide® at intervals less than 3 days.</p>
	Root Dip	5 tsp. per gallon of water	Apply as pre-plant dip immediately prior to planting.
Downy Mildew Powdery Mildew*	Foliar	2.5 to 7 tsp. per gallon of water	Apply at 2-3 week intervals. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply Agri-Fos-400 Agri-fos Systemic Fungicide ® at intervals less than 3 days.
White Rust (Spinach Only)	Foliar	3.75 to 5 pints per acre	Apply at 2-3 week intervals
Leaf Diseases such as: Anthracnose* (<i>Colletotrichum</i>)	Foliar	1½ to 2 fl. oz. per gallon of water	Begin application after plants are established and conditions favor disease development.

spp.)* Leaf Blights (<i>Septoria</i> and <i>Cercospora</i> spp.)* Bacterial Rots (<i>Erwinia</i> spp.)*			Low Disease Pressure: Apply lower rate at 1 to 2 week intervals. Do not apply more than 6 times per growing season. High Disease Pressure: Apply higher rate at 7 to 10 day intervals. Do not apply more than 6 times per growing season.
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*Not for use in California.

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

Legumes

Use ~~Agri-Fos 400~~ **Agri-fos Systemic Fungicide®** for effective control of *Phytophthora*, *Pythium*, *Fusarium*, *Rhizoctonia*, Downy Mildew, Powdery Mildew, and other Fungal Leaf Diseases and for Suppression of Anthracnose in legumes (succulent and dried) such as, but not limited to, Green Beans, Soybeans, Wax Beans, Field Beans, Navy Beans, Lima Beans, Fava Beans, Guar, Jackbean, Kidney Beans, Lablab Bean, Pinto Bean, Mung Beans, Broad Beans, Lentils, Chickpeas, English Peas, Snow Peas, Sugar Snap Peas, Sword Bean, Black-Eyed Peas, Cow Peas, and Pigeon Peas.

Disease	Application Method	Rate	Application Program
<i>Phytophthora</i> <i>Pythium</i> <i>Fusarium</i> * <i>Rhizoctonia</i> *	Foliar	2.5 to 7 tsp. per gallon of water	Disease Prevention Program**: Apply lower rate at 2-4 week intervals after plants become established. Do not apply Agri-Fos 400 Agri-fos Systemic Fungicide® at intervals less than 3 days. Disease Control Program: Apply higher rate at 2-3 weeks intervals until control is reached. Consult with Farm Advisor or crop expert to determine disease severity. Do not apply Agri-Fos 400 Agri-fos Systemic Fungicide® at intervals less than 3 days.
Downy Mildew Powdery Mildew*	Foliar	2.5 to 7 tsp. per gallon of water	Apply at 2-3 week intervals. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply Agri-Fos 400 Agri-fos Systemic Fungicide® at intervals less than 3 days.
Leaf Diseases such as: Anthracnose* (<i>Colletotrichum</i> spp.)* Leaf Blights (<i>Septoria</i> and <i>Cercospora</i> spp.)* Bacterial Rots (<i>Erwinia</i> spp.)*	Foliar	2 to 3 fl. oz. per gallon 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 growing season. 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 growing season.

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Mangos

Use ~~Agri-Fos 400~~ [Agri-fos Systemic Fungicide](#)® for suppression of Anthracnose in Mangos.

Disease	Application Method	Rate	Application Program
Anthracnose (<i>Colletotrichum gloeosporoides</i>)	Foliar spray Ground	2 tsp. per gallon of water	Spray tree every 14 days during blossom period, then monthly until harvest. Spray to the point of run-off.

Miscellaneous Crops

Use ~~Agri-Fos 400~~ [Agri-fos Systemic Fungicide](#)® for effective control of *Phytophthora*, *Pythium*, *Fusarium*, *Rhizoctonia*, Downy Mildew, Powdery Mildew, and other Bacterial Leaf Diseases and for Suppression of Anthracnose in Canola, Coffee, Okra, Papaya, Persimmon, Sunflower, and Safflower.

Disease	Application Method	Rate	Application Program
<i>Phytophthora</i> <i>Pythium</i> <i>Fusarium</i> * <i>Rhizoctonia</i> *	Foliar	2.5 to 7 tsp. per gallon of water	Disease Prevention Program**: Apply lower rate at 2-4 week intervals after plants become established. Do not apply Agri-Fos 400 Agri-fos Systemic Fungicide ® at intervals less than 3 days. Disease Control Program: Apply higher rate at 2-3 week intervals until control is reached. Consult with Farm Advisor or crop expert to determine disease severity. Do not apply Agri-Fos 400 Agri-fos Systemic Fungicide ® at intervals less than 3 days.
	Root Dip	5 tsp. per gallon of water	Apply as pre-plant dip immediately prior to planting.
Downy Mildew Powdery Mildew*	Foliar	2.5 to 7 tsp. per gallon of water	Apply at 2-3 week intervals. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply Agri-Fos 400 Agri-fos Systemic Fungicide ® at intervals less than 3 days.
<i>Pseudomonas garcae</i> *	Foliar	Mix a 0.50% v/v solution (4 tsp. per gallon of water)	Apply prior to onset of disease. Apply spray to saturation or runoff.

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Onions

Use ~~Agri-Fos 400~~ [Agri-fos Systemic Fungicide](#)® for effective control of *Phytophthora*, *Pythium*, *Fusarium*, *Rhizoctonia*, Downy Mildew, and Powdery Mildew in Onions, Garlic, Shallots, and Leeks. Use as a preventative control program for best results.

Disease	Application Method	Rate	Application Program
<i>Phytophthora</i> <i>Pythium</i> <i>Fusarium</i> * <i>Rhizoctonia</i> *	Foliar	2.5 to 7 tsp. per gallon of water	Disease Prevention Program**: Apply lower rate at 2-4 week intervals after plants become established. Do not apply Agri-Fos 400 Agri-fos Systemic Fungicide ® at intervals less than 3 days. Disease Control Program: Apply higher rate at 2-3 week intervals

			until control is reached. Consult with Farm Advisor or crop expert to determine disease severity. Do not apply Agri-Fos 400 Agri-fos Systemic Fungicide® at intervals less than 3 days.
	Root Dip	5 tsp. per gallon of water	Apply as pre-plant dip immediately prior to planting.
Downy mildew (<i>Peronospora destructor</i>)	Foliar	4 tsp. per gallon of water	As a regular preventative control program or when disease first appears.
Powdery Mildew*	Foliar	2.5 to 7 tsp. per gallon of water	Apply at 2-3 week intervals. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply Agri-Fos 400 Agri-fos Systemic Fungicide® at intervals less than 3 days.

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Peanuts

Use ~~Agri-Fos 400~~Agri-fos Systemic Fungicide® for effective control of *Phytophthora*, *Pythium*, *Fusarium*, *Rhizoctonia*, Downy Mildew, Powdery Mildew, Leaf Spot Diseases, and for Suppression of Anthracnose in Peanuts.

Disease	Application Method	Rate	Application Program
<i>Phytophthora</i> <i>Pythium</i> <i>Fusarium</i> * <i>Rhizoctonia</i> * Early and Late Leaf Spot* (<i>Cercospora arachidicola</i> * <i>Cercosporidium personatum</i>)*	Foliar	2.5 to 7 tsp. per gallon of water	Disease Prevention Program**: Apply lower rate at 2-4 week intervals after plants become established. Do not apply Agri-Fos 400 Agri-fos Systemic Fungicide® at intervals less than 3 days. Disease Control Program: Apply higher rate at 2-3 week intervals until control is reached. Consult with Farm Advisor or crop expert to determine disease severity. Do not apply Agri-Fos 400 Agri-fos Systemic Fungicide® at intervals less than 3 days.
Downy Mildew Powdery Mildew*	Foliar	2.5 to 7 tsp. per gallon of water	Apply at 2-3 week intervals. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply Agri-Fos 400 Agri-fos Systemic Fungicide® at intervals less than 3 days.
Leaf and Crown Diseases* Anthracnose* (<i>Colletotricum</i>)*	Transplant and furrow application	3 pints at planting or to newly planted seedlings by side dressing or shank application	Begin application after plants are established and conditions favor disease development. Low Disease Pressure: Apply lower rate at 1 to 2 week intervals. Do not apply more than 6 times per growing season. High Disease Pressure: Apply higher rate at 7 to 10 day intervals. Do not apply more than 6 times per growing season.

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Pineapples

Use ~~Agri-Fos 400~~ [Agri-fos Systemic Fungicide](#)® for effective control of *Phytophthora*, *Pythium*, *Fusarium*, *Rhizoctonia*, Downy Mildew, and Powdery Mildew in Pineapples.

Disease	Application Method	Rate	Application Program
<i>Phytophthora</i> Root and Heart Rot (<i>Phytophthora</i> <i>cinnamomii</i> and <i>parasitica</i> spp)	Foliar (pre-harvest)	1 2/3 to 3 1/3 fl. oz. per gallon of water	Apply to tops, 14 days prior to harvest of planting material.
	Pre-plant dip	2 tsp. per gallon of water	Established plantings when conditions favor disease. Apply at 90 day intervals.
	Foliar	2/3 fl. oz. per gallon of water	Ensure thorough coverage of plants.
<i>Pythium</i> <i>Fusarium</i> * <i>Rhizoctonia</i> *	Foliar	2.5 to 7 tsp. per gallon of water	Disease Prevention Program**: Apply lower rate at 2-4 week intervals after plants become established. Do not apply Agri-Fos 400 Agri-fos Systemic Fungicide ® at intervals less than 3 days. Disease Control Program: Apply higher rate at 2-3 week intervals until control is reached. Consult with Farm Advisor or crop expert to determine disease severity. Do not apply Agri-Fos 400 Agri-fos Systemic Fungicide ® at intervals less than 3 days.
	Root Dip	5 tsp. per gallon of water	Apply as pre-plant dip immediately prior to planting.
Downy Mildew Powdery Mildew*	Foliar	2.5 to 7 tsp. per gallon of water	Apply at 2-3 week intervals. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply Agri-Fos 400 Agri-fos Systemic Fungicide ® at intervals less than 3 days.

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Root and Tuber Vegetables

Use ~~Agri-Fos 400~~ [Agri-fos Systemic Fungicide](#)® for effective control of *Phytophthora*, *Pythium*, *Fusarium*, *Rhizoctonia*, Downy Mildew, Powdery Mildew, Pink Rot, and Late Blight in root and tuber vegetables such as, but not limited to Arraccacha, Arrowroot, Beet, Burdock, Cannna, Carrot, Cassava, Celeriac, Ginger, Ginseng, Potatoes, Radish, Rutabaga, Skirret, Sugar Beet, Sweet Potatoes, Turmeric Turnip, and Yams (all varieties).

Disease	Application Method	Rate	Application Program
<i>Phytophthora</i> <i>Pythium</i> <i>Fusarium</i> * <i>Rhizoctonia</i> *	Foliar	2.5 to 7 tsp. per gallon of water	Disease Prevention Program**: Apply lower rate at 2-4 week intervals after plants become established. Do not apply Agri-Fos 400 Agri-fos Systemic Fungicide ® at intervals less than 3 days. Disease Control Program: Apply higher rate at 2-3 week intervals until control is reached. Consult with Farm Advisor or crop expert to determine disease severity. Do not apply Agri-Fos 400 Agri-fos Systemic Fungicide ® at intervals less than 3 days.
	Root Dip	2.5 quarts per 100 gallons of water	Apply as pre-plant dip immediately prior to planting.
Carrots: <i>Phytophthora</i> spp. <i>Pythium</i> spp.	Foliar	2 tsp. to 2 fl. oz. per gallon of water	Apply at 14-day intervals after plant emergence, as needed. Assure good coverage.

Potatoes, Sweet Potatoes, Yams: Pink rot <i>Pythium</i> leak (<i>Phytophthora erythroseptica</i> and <i>Pythium</i> spp.)	In-furrow spray	6½ to 16 fl. oz. per gallon of water	Apply in a band spray directly over top of potato seed just before row is closed.
Potatoes, Sweet Potatoes, Yams: Late Blight Pink Rot <i>Pythium</i> Leak (<i>Phytophthora infestans</i> , <i>Phytophthora erythroseptica</i> and <i>Pythium</i> spp.)	Foliar	2/3 to 3 tsp. per gallon of water	Apply at 5 to 14 day intervals subject to disease incidence.
Downy Mildew Powdery Mildew*	Foliar	2.5 to 7 tsp. per gallon of water	Apply at 2-3 week intervals. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply Agri-Fos 400 <i>Agri-fos Systemic Fungicide</i> ® at intervals less than 3 days.

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Stone Fruit

Use **Agri-Fos 400** *Agri-fos Systemic Fungicide*® for effective control of *Phytophthora*, *Pythium*, *Fusarium*, *Rhizoctonia*, Downy Mildew, Root and Collar Rot, Almond Pruning Wound, and various Canker Disease in stone fruit such as, but not limited to, Apricots, Sweet And Tart Cherries, Nectarines, Olives, Peaches, Plums, and fresh Prunes.

Disease	Application Method	Rate	Application Program
<i>Phytophthora</i> <i>Pythium</i> <i>Fusarium</i> * <i>Rhizoctonia</i> *	Foliar	2.5 to 7 tsp. per gallon of water	Disease Prevention Program**: Apply lower rate at 2-4 week intervals after plants become established. Do not apply Agri-Fos 400 <i>Agri-fos Systemic Fungicide</i> ® at intervals less than 3 days. Disease Control Program: Apply higher rate at 2-3 week intervals until control is reached. Consult with Farm Advisor or crop expert to determine disease severity. Do not apply Agri-Fos 400 <i>Agri-fos Systemic Fungicide</i> ® at intervals less than 3 days.
	Root Dip	5 tsp. per gallon of water	Apply as pre-plant dip to the roots for 15-30 minutes. Plant within 24 hours after dipping.
	Trunk Injection	3.5 teaspoons per linear yard of canopy width or 2 inch of trunk diameter at breast height (DBH). Inject directly in to tree.	Apply according to injection equipment instructions. Adjust rate based on injection equipment suggestions for specific applications. Repeat 2-4 times a year until control is reached.
Downy Mildew	Foliar	2.5 to 7 tsp. per gallon of water	Apply at 2-3 week intervals. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply Agri-Fos 400 <i>Agri-fos Systemic Fungicide</i> ® at intervals less than 3 days.

Root and Collar Rot* (<i>Phytophthora</i> spp.)*	Foliar	1/3 fl. oz. per gallon of water	Three treatments are required 4. Spring 5. Mid-summer 6. Fall, post-harvest
	Basal bark spray, apply in spring and fall	16 fl. oz. + 16 fl. oz. of water + 1 fl. oz. Supa Stik PN Bark Penetrating Surfactant	Spray a combination of Agri-Fos 400 Agri-fos Systemic Fungicide® and Supa Stik PN around the complete circumference of the tree trunk until saturation/runoff. Spray from ground level up to 5 feet above the soil line, including the base of the first scaffolding limbs, if present. (Treatment generally lasts 8-12 weeks depending on pathogen levels. Higher disease pressure will shorten the length of control.)
Almond pruning Wound Cankers* (<i>Phytophthora syringae</i>)*	Paint or spray	1/3 to 3/4 fl. oz. per gallon of water	Apply to pruning wound and surrounding area, ensure area is thoroughly wet. In high disease situations use higher rate.
Suppression of Armillaria* Root Rot* (<i>Armillaria luteobubalina</i>)*	Basal Bark Spray	1½ to 2 quarts + 2 quarts water + 1% Supa Stik PN Bark Penetrating Surfactant	Spray a combination of Agri-Fos 400 Agri-fos Systemic Fungicide® and Supa Stik PN around the complete circumference of the tree trunk until saturation/runoff. Spray from ground level up to 5 feet above the soil line, including the base of the first scaffolding limbs, if present. For large trees larger than 18 inches DBH (Diameter at Breast Height, 4.5 feet above ground) that have been previously attacked by Armillaria root rot, make a fall application prior to leaf senesce and a spring application for best results. For trees less than 18 inches DBH, make an early spring application.

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Strawberries

Use ~~Agri-Fos 400~~Agri-fos Systemic Fungicide® for effective control of leather rot, red stele, *Phytophthora*, foliar and Bacterial Disease, and Downy Mildew in strawberries and Suppression of Powdery Mildew.

Disease	Application Method	Rate	Application Program
<i>Phytophthora</i> <i>Pythium</i> spp. (Red Steele, Leather Rot, and Root Rot)	Pre-planting dip	1/3 fl. oz. per gallon of water	Dip planting material in this solution for 30 minutes, then plant within one day. Use program for annual and perennial varieties
Foliar Fungal and Bacterial Diseases* such as:			Annual crops, first treatment 14 to 21 days post planting, repeat at 1-2 month intervals when disease is evident.

<i>Rhizopus*</i> <i>Xanthomonas*</i>	Foliar	2 to 6 tsp. per gallon of water	Perennial crops, first treatment during spring growth flush, repeat at 1-2 month intervals when disease is evident. For susceptible varieties use higher rates and shorter spray intervals. For leather rot, apply at 10% bloom and early fruit set, then 1 to 2 week intervals as required for disease control, In high disease situations, use higher rate and shorter spray intervals.
	Transplant and furrow	3 pints at planting or to newly planted seedlings by side dressing or shank application	Grey mold and Anthracnose suppression using Agri-Fos 400Agri-fos Systemic Fungicide® requires use of high application rates and is most effective when tank mixed with other registered fungicides.
<i>Phytophthora</i> spp.*	Dip	Mix a 0.25% v/v solution (1/3 fl. oz. with 1 gallon of water)	Dip runners in the solution for 1 to 2 minutes. Plant within 48 hours. Mix a fresh solution daily.
Suppression of Powdery Mildew*	Foliar	1 to 1½ fl. oz. per gallon of water	Low Disease Pressure: Apply lower rate at the first onset of the disease. Repeat applications at 1 to 2 week intervals. Do not apply more than 6 times per growing season. 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 growing season.
Downy Mildew	Foliar	2.5 to 7 tsp. per gallon of water	Disease Prevention Program**: Apply lower rate at 2-4 week intervals after plants become established. Do not apply Agri-Fos 400Agri-fos Systemic Fungicide® at intervals less than 3 days. Disease Control Program: Apply higher rate at 2-3 week intervals until control is reached. Consult with Farm Advisor or crop expert to determine disease severity. Do not apply Agri-Fos 400Agri-fos Systemic Fungicide® at intervals less than 3 days.

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Tree Nuts

Use ~~Agri-Fos~~ **400Agri-fos Systemic Fungicide®** for effective control of *Phytophthora*, *Pythium*, *Fusarium*, *Rhizoctonia*, Downy Mildew, Pecan Scab, and Pruning Wound Canker disease in tree nuts such as, but not limited to, Almonds, Beech Nuts, Brazil Nuts, Butternuts, Cashews, Chestnuts, Filbert, Chinquapin, Hazelnuts, Hickory Nuts, Macadamia Nuts, Pecans, Pistachios, and Walnuts.

Disease	Application Method	Rate	Application Program
<i>Phytophthora</i> <i>Pythium</i> <i>Fusarium</i> * <i>Rhizoctonia</i> *	Foliar	2.5 to 7 tsp. per gallon of water	Disease Prevention Program**: Apply lower rate at 2-4 week intervals after plants become established. Do not apply Agri-Fos 400 Agri-fos Systemic Fungicide® at intervals less than 3 days. Disease Control Program: Apply higher rate at 2-3 week intervals until control is reached. Consult with Farm Advisor or crop expert to determine disease severity. Do not apply Agri-Fos 400 Agri-fos Systemic Fungicide® at intervals less than 3 days.
	Root Dip	5 tsp. per gallon of water	Apply as pre-plant dip to the roots for 15-30 minutes. Plant within 24 hours after dipping.
	Trunk Injection	3.5 teaspoons per linear yard of canopy width or 2 inch of trunk diameter at breast height (DBH). Inject directly in to tree.	Apply according to injection equipment instructions. Adjust rate based on injection equipment suggestions for specific applications. Repeat 2-4 times a year until control is reached.
Downy Mildew	Foliar	2.5 to 7 tsp. per gallon of water	Apply at 2-3 week intervals. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply Agri-Fos 400 Agri-fos Systemic Fungicide® at intervals less than 3 days.
Macadamia nuts: Raceme blight* (<i>Phytophthora</i> spp.)*	Foliar	3 tsp. per gallon of water	Apply when disease is first seen and reapply at 3 week intervals. Spray to the point of run-off
Pecan scab (<i>Cladosporium caryigenum</i>)	Foliar	1/2 tsp. per gallon of water	Apply Agri-Fos 400 Agri-fos Systemic Fungicide® in a preventative spray schedule beginning at bud break and continue on a 10-14 day interval. Apply preventatively with other products shown to be effective against pecan scab.
Pruning wound Crown and Trunk Cankers* (<i>Phytophthora</i> spp.)	Trunk spray	1½ quarts + 2 quarts of water + 1 Supa Stik PN Bark Penetrating Surfactant	Apply higher rate when lesions are present. Clean wound sites and apply on and around the lesions using enough spray volume to thoroughly wet the lesions. Apply to the trunk from the soil line to 5 feet up the trunk. Apply one time in the Spring, Summer, and Fall.
Tree cankers*	Basal bark spray	1½ to 2 quarts + 2 quarts of water + 1% Supa Stik PN Bark Penetrating Surfactant	Spray a combination of Agri-Fos 400 Agri-fos Systemic Fungicide® and Supa Stik PN around the complete circumference of the tree trunk until saturation/runoff. Spray from ground level up to 5 feet above the soil line, including the base of the first scaffolding limbs, if present. For large trees larger than 18 inches DBH (Diameter at Breast Height, 4.5 feet above ground) that have been

			previously attacked by Armillaria root rot, make a fall application prior to leaf senesce and a spring application for best results. For trees less than 18 inches DBH, make an early spring application.
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Landscape Applications

Use ~~Agri-Fos 400~~ **Agri-fos Systemic Fungicide®** for effective control of *Phytophthora* and *Pythium* and other diseases associated with Stem and Canker Blight (Sudden Oak Death, *Phytophthora ramorum*), Beech Decline, and general tree decline syndromes, and for Suppression of Anthracnose and Verticillium wilt. Apply ~~Agri-Fos 400~~ **Agri-fos Systemic Fungicide®** to trees such as, but not limited to, Ash, Azalea, Beech, Black Locust, Buckeye, Catalpa, Cedar, Cherry – Stone Fruits, Chestnut, Coffee Tree, Crab Apple, Cork Tree, Dogwood - All, Elder, Elm, Fir, Hawthorne, Honey Locust, Juniper, Lilac, Linden, Magnolia, Maples – all, Pine, Oaks – all, Olives, Ornamental Pear, Plum, Pyracantha, Redbud, Smoke Tree, Sumac, Sweet Birch, Sweet Gum, Sycamore, Viburnum, White Pine, White Cedar, and Willow.

Make applications before disease development and in conjunction with good cultural management practices. Use higher rate of application when disease pressure is severe. Do not exceed indicated application rates or apply more frequently than stated on label or tree injury may occur. Do not apply to trees that are heat or moisture stressed. Do not apply to trees in a state of dormancy. Do not exceed indicated spray intervals or label rates in order to avoid tree injury.

Disease	Application Method	Rate	Application Program
<i>Phytophthora</i> * <i>Pythium spp.</i> * <i>Phytophthora ramorum</i> *	Injection	11 fl. oz. per 21 fl. oz. of water Or ½ tsp. per tsp. of water	Drill holes 3/16 inch (5 mm) in diameter <u>into live sapwood</u> (depth dependent upon age of tree) with downward angle into trunk uniformly around the tree circumference, using a slow drill. Do not inject into areas of obvious decay, canker or mechanical injury that appear on the tree trunk. Calculate the amount of product required by measuring the trees by one of the following 3 methods, and use the highest calculated number of injections. 1) 1 injection per square yard of canopy; 2) 1 injection per yard of diameter of canopy measured at the drip-line; 3) 1 injection per 6 inches of trunk circumference measured 4 feet above soil level. Make injections with applicators that maintain positive pressure differential such as ChemJet®, Sidewinder®, Ag-murph Gun®, Marley® Injector, Smart Shot injector, or hydraulic applicator type equipment that forces solution into the sapwood of the tree.

	Basal bark spray (all other tree species) apply in spring and fall Best for thin bark trees such as maples, lindens, sycamores, and dogwoods	16 fl. oz. + 16 fl. oz. of water + 1 fl. oz. Supa Stik PN Bark Penetrating Surfactant	Apply uniformly to 6-9 feet of trunk circumference. Spray from top down to ground level from either first branch or from as high as possible without exposing applicator to drift. Spray to saturation/runoff. Various types of application equipment can be used such as hydraulic sprayers, handheld pump-type sprayers, and backpack sprayers.
<i>Fusarium subglutinans*</i> (Pine Pitch Canker)*	Basal bark spray (Pines) apply anytime active growth is observed	16 fl. oz. <u>Agri-Fes 400Agri-fos Systemic Fungicide®</u> + 32 fl. oz. water + 0.5 fl. oz. of Supa Stik PN Bark Penetrating Surfactant	Spray a combination of <u>Agri- Fes-400Agri-fos Systemic Fungicide®</u> and Supa Stik PN around the complete circumference of the tree trunk until saturation/runoff. Spray from ground level up to 5 feet above the soil line, including the base of the first scaffolding limbs, if present. (Treatment generally lasts 8- 12 weeks depending on pathogen levels. Higher disease pressure will shorten the length of control.)
<i>Fusarium subglutinans*</i> (Pine Pitch Canker) <i>Gnomonia platani*</i> (Sycamore Anthracnose)	Injection	4 tsp. per tree of a 16 fl. oz. <u>Agri-Fes 400Agri-fos Systemic Fungicide</u> + 32 fl. oz. of water + 0.5 fl. oz. of Supa Stik PN Bark Penetrating Surfactant solution.	Drill holes 3/16 inch (5 mm) in diameter and 1 inch (25 mm) to 2 inches (50 mm) deep with slight downward angle in trunk. Place syringes in the main trunk of the tree and space evenly around the circumference of the trunk. Suitable for use with Chemjet tree injectors, Ag-murf gun, Smart Shot injector, or hydraulic tree injection. Trees should be at least 10" diameter at breast height.
Suppression of Anthracnose**	Foliar	3-4 tsp. per gallon of water	Apply at pre bloom (bud swell or green tip stage) with a supplemental application 14 days later with <u>Agri-Fes 400Agri-fos Systemic Fungicide®</u> or other fungicide compound with efficacy on Anthracnose.

	Basal bark spray apply early spring at bud swell until green tip stage of growth	16 fl. oz. + 16 fl. oz. of water + 1 fl. oz. Supa Stik PN Bark Penetrating Surfactant	Spray a combination of Agri-Fos-400 Agri-fos Systemic Fungicide® and Supa Stik PN around the complete circumference of the tree trunk until saturation/runoff. Spray from ground level up to 5 feet above the soil line, including the base of the first scaffolding limbs, if present. For large trees larger than 18 inches DBH (Diameter at Breast Height, 4.5 feet above ground) that have been previously attacked by Anthracnose, make a fall application prior to leaf senesce and a spring application for best results. For trees less than 18 inches DBH, make an early spring application.
Suppression of <i>Verticillium Wilt</i> **	Foliar	3-4 tsp. per gallon of water	For trees previously identified with infections, apply first application pre-bloom. Repeat applications between 21 to 30 days.
	Basal bark spray	1½ to 2 quarts + 2 quarts of water + 2 fl. oz. Supa Stik PN Bark Penetrating Surfactant	Spray a combination of Agri-Fos-400 Agri-fos Systemic Fungicide® and Supa Stik PN around the complete circumference of the tree trunk until saturation/runoff. Spray from ground level up to 5 feet above the soil line, including the base of the first scaffolding limbs, if present. For large trees larger than 24 inches DBH (Diameter at Breast Height, 4.5 feet above ground) that have been previously attacked by Verticillium wilt, make a fall application prior to leaf senesce and a spring application for best results. For trees less than 24 inches DBH, make an early spring application.

*Use in California limited to Oaks (Coastal, Live, Shreve, Black, Canyon), Tan Oaks, and other tree species that are host to *P. ramorum*. Do not apply to any other tree species without consulting the list of *P. ramorum* host species listed at the following website: <http://www.suddenoakdeath.org/about-sudden-oak-death/history-background>. Make applications by injection and basal bark spray of pines, basal bark spray of apples and crabapples, and injection of Sycamores for control of Sycamore anthracnose. For questions contact your local extension office.

** Not for use in California.

Ornamental Applications

Use ~~Agri-Fos 400~~ **Agri-fos Systemic Fungicide®** for effective control of Bacterial blight, Downy Mildew, Powdery Mildew, *Phytophthora* spp. [Root Rot] and *Pythium* spp. [Damping-Off] diseases, and for Suppression of Anthracnose of Ornamentals in landscapes and interiorscapes.

Apply ~~Agri-Fos 400~~ **Agri-fos Systemic Fungicide®** to plants such as, but not limited to, *Aglaonema*, *Anthurium*, *Aphelandra*, *Arborvitae*, *Azaleas*, *Bougainvillea*, Boxwood, *Cattelya Skinneri*, *Ceanothus*, *Cotoneaster*, *Cissus*, *Diffenbachia*, English Ivy, *Eucalyptus*, *Ficus*, *Hibiscus*, Japanese Andromeda, Japanese Holly, Leather Leaf Fern, *Peperomia*, *Photinia*, *Pittosporum*, *Philodendron*, *Pieris*, *Pothos*, *Rhododendron*, Roses (Container, Field, Landscape, and mini varieties), *Schefflera*, *Sedum*, *Sempervivum*, *Syngonium*, *Spathiphyllum*, *Taxus media*, and *Zygocactus*.

Make applications before disease development and in conjunction with good cultural management practices. Use higher rate of application when disease pressure is severe. Do not exceed indicated application rates or apply more frequently than stated on label in order to avoid plant injury. Do not apply to plants that are heat or moisture stressed. Do not apply to plants that are in a state of dormancy. When applying to indoor plants do not overspray and use care to apply only to target plants. If meeting these conditions is not possible, remove plants to an outdoor location for treatment and drying before bringing back indoors.

Disease	Application Method	Rate	Application Program
Bacterial blight (<i>Xanthomonas campestris</i>) pathovars: <i>dieffenbachiae</i> , <i>fici hederiae</i> , and <i>syngonium</i>	Foliar	2 to 4 tsp. per gallon of water	Apply spray to thoroughly wet all foliage. Application intervals: 7 to 14 days Repeat as required.
Downy mildew	Foliar	2-4 tsp. per gallon of water	Apply uniformly to foliage at disease onset and repeat applications every 14 days.
<i>Phytophthora</i> spp. [Root Rot], <i>Phytophthora ramorum</i> and <i>Pythium</i> spp. [Damping-Off]	Foliar	2-4 tsp. per gallon of water	Apply uniformly to foliage to point of runoff.
	Soil drench	Mix a 0.5% to 1.0% v/v solution (½ to 6½ fl. oz. in 1 to 5 gallons of water)	Apply uniformly to soil at base of plant and surrounding soil.
	Soil incorporation	1-2 pints per cubic yard of soil	Just prior to potting, mix 1 to 2 pts. of Agri-Fos 400 Agri-fos Systemic Fungicide® into each cubic yard of growing media. If disease pressure is high, apply foliar spray or soil drench.
	Bare rooted dipping of transplants	2 tsp. per gallon of water	Immediately before transplanting, dip transplants for two minutes, keep roots submerged, ensure root mass is thoroughly wet.
Powdery mildew*	Foliar	2-4 tsp. per gallon of water	Apply uniformly to foliage at disease onset and repeat applications every 14 days.
Suppression of Anthracnose*	Foliar	1½ fl. oz. per gallon of water	Apply prior to onset of disease. Apply spray to saturation or runoff.
Black Soot* (<i>Diplocarpon</i> spp.)*	Foliar	2 to 4 tsp. per gallon of water	Apply uniformly to foliage preventatively or at first sign of disease.

* Not for use in California.

Residential Nursery, Greenhouse, and Bedding Plants

Use ~~Agri-Fos-400~~ Agri-fos Systemic Fungicide® for effective control of Downy Mildew, *Phytophthora* spp. [Root Rot] and *Pythium* spp. [Damping-Off] diseases of Bedding Plants grown in landscapes and in interiorscapes. Apply ~~Agri-Fos-400~~ Agri-fos Systemic Fungicide® to plants such as, but not limited to, *Ageratum*, *Aglaonema*, Algerian Ivy, *Anthurium*, *Aphelandra*, *Arborvitae*, *Artemesia*, *Aster*, *Azalea*, *Begonia*, Baby's Breath, *Bougainvillea*, Boxwood, *Caladium*, Carnation, *Cattelya Skinneri*, *Ceanothos*, *Cissus*, *Chrysanthemum*, *Coleus*, *Columbine*, *Cotoneaster*, Daisy, *Delphinium*, *Dieffenbachia*, Dogwood, Easter Lily, English Ivy, *Ficus*, Foxglove, *Gaillardia*, *Geranium*, *Gloxinia*, *Hibiscus*, *Impatiens*, Japanese Holly, *Juniper*, Lavender, Leather Leaf Fern, Marigold, Monterey Pink, Pansy, *Pieris*, *Peperomia*, *Petunia*, *Philodendron*, *Phlox*, *Photinia*, Pinks, *Pittosporum*, *Poinsettia*, *Pothos*, Primrose, Prostrate Rosemary, *Rhododendron*, *Salvia*, *Schefflera*, *Sedum*, *Sempervivum*, Snapdragon, *Spathiphyllum*, *Taxus media*, *Verbena*, *Vinca*, White Cedar, White Pine, *Zinnia*, and *Zygocactus*. ~~Agri-Fos-400~~ Agri-fos Systemic Fungicide® may also be used for Vegetable Transplants grown in Greenhouse, Lathehouse, or Shade house sites.

Make applications to outdoor or indoor plants before disease development and in conjunction with good cultural management practices. Use higher rate of application when disease pressure is severe. Do not exceed indicated application rates or apply more frequently than stated on label in order to avoid plant injury. Do not apply to plants that are heat or moisture stressed. When applying to indoor plants do not overspray and use care to apply only to target plants. If meeting these conditions is not possible, remove plants to an outdoor location for treatment and drying before bringing back indoors.

Disease	Application Method	Rate	Application Program
Downy Mildew	Foliar	½ to 1 1/8 fl. oz. per gallon of water	Apply spray to thoroughly wet all foliage. Application intervals: 14 to 21 days. Repeat as required.
<i>Phytophthora</i> spp [Root Rot] and <i>Pythium</i> spp [Damping-Off]	Foliar	2 to 4 tsp. per gallon of water	Apply spray to thoroughly wet all foliage. Application intervals: 14 to 21 days. Repeat as required.
	Soil drench	1/8 tsp. per gallon of water	Apply each gallon of solution to an area of 4 square feet. Follow application with irrigation. Repeat as required. Limit of one application per month.
<i>Phytophthora</i> spp*	Foliar	¼ tsp. per 100 sq. ft.	Apply spray in 1 pint of water per 100 sq.ft.
	Hand gun	2 quarts per 100 gallons of water	Apply spray to thoroughly wet all foliage.

*Lavender applications.

Conifers

Apply ~~Agri-Fos 400~~ Agri-fos Systemic Fungicide® in conjunction with good cultural management practices for effective control of root rot (*Phytophthora* spp) in CONIFERS including, but not limited to, pines, spruce and Douglas fir. Use higher rate of application when disease pressure is severe. Do not exceed indicated application rates or apply more frequently than stated on label in order to avoid plant injury. Do not apply to CONIFERS that are moisture or heat stressed.

Disease	Application Method	Rate	Application Program
<i>Phytophthora</i>	Foliar	2 to 4 tsp. per gallon of water	Apply spray to thoroughly wet all foliage. Application intervals: 14 to 21 days. Repeat as required.
	Soil drench	2 to 4 tsp. per gallon of water	Apply one gallon of solution per sq yd. Follow application with irrigation. Application intervals: 14 to 21 days. Repeat as required.
	Bare root dipping of transplants	2 tsp. per gallon of water	Immediately before transplanting, dip transplants for two minutes; keep roots submerged and ensure root mass is thoroughly wet.
<i>Fusarium subglutinans</i> (Pine Pitch Canker)*	Basal bark spray apply any time active growth is observed	16 fl. oz. Agri-Fos 400 <u>Agri-fos Systemic Fungicide</u> ® + 32 fl. oz. of water + 0.5 fl. oz. of Supa Stik PN Bark Penetrating Surfactant	Apply uniformly to 6-9 feet of trunk circumference. Spray from top down to ground level from either first branch or from as high as possible without exposing applicator to drift. Spray to saturation/runoff. Various types of application equipment can be used such as hydraulic sprayers, handheld pump-type sprayers, and backpack sprayers.
	Injection	4 tsp per tree of a 16 fl. oz. Agri-Fos 400 <u>Agri-fos Systemic Fungicide</u> ® + 32 fl. oz. of water + 0.5 fl. oz. of Supa Stik PN Bark Penetrating Surfactant solution.	Drill holes 3/16 inch (5 mm) in diameter and 1 inch (25 mm) to 2 inches (50 mm) deep with slight downward angle in trunk. Place syringes in the main trunk of the tree and space evenly around the circumference of the trunk. Suitable for use with Chemjet tree injectors, Ag murf gun, or hydraulic tree

			injection. Trees should be at least 10" diameter at breast height.
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*Not for use in California except as an injection and/or basal bark spray on pines.

Turf and Home Lawns

Use [Agri-Fos 400 Agri-fos Systemic Fungicide®](#) for the effective control of *Rhizoctonia*, *Pythium*, and for suppression of Anthracnose of turf and lawn grasses. When conditions favor disease, begin preventive applications and repeat at indicated intervals. Use higher rate of application when disease pressure is severe.

Disease	Application Method	Rate	Application Program
<i>Pythium</i> spp.	Foliar	5 to 10 fl. oz. per 1000 sq. ft.	Apply indicated quantity of product in 1 to 5 gallons of water per 1000 sq. ft. Ensure foliage is thoroughly wet. Application intervals: 14-21 days. Repeat as required. Do not irrigate or mow treated areas until spray has completely dried.
Suppression of Anthracnose*	Foliar	5 to 10 fl. oz. in 2 gallons of water per 1000 sq. ft.	Apply prior to onset of disease. Apply every 7 to 14 days.
<i>Rhizoctonia</i> *	Foliar	5 to 10 fl. oz. in 2 gallons of water per 1000 sq. ft.	Apply prior to onset of disease. Apply every 7 to 14 days.

* Not for use in California.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE:

Keep this product in containers stored upright and secured with the original closure. Do not store this product near any heat source. Do not store near strong oxidants. If transfer to another container becomes necessary, ensure that the container is clearly labeled, the container is a type suitable for the product, and is clean and free of other materials.

PESTICIDE DISPOSAL and CONTAINER HANDLING:

Nonrefillable container. Do not reuse or refill this container. If empty: Offer for recycling if available or discard in a sanitary landfill. If partly filled: Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

WARRANTY AND DISCLAIMER

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