

# AGRI-FOS

## Systemic Fungicide Plus

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\*

60.56%

**OTHER INGREDIENTS:**

39.44%

**TOTAL:**

100%

\*Contains 7.92 lbs/gallon of the active ingredients, mono- and di-potassium salts of Phosphorous Acid.

Equivalent to 5.11 lbs Phosphorous Acid/gallon

## KEEP OUT OF REACH OF CHILDREN CAUTION

Consult page 2 of this booklet for Precautionary Statements

**EPA Reg. No.** 71962-2

**EPA Est. No.** 71962-AUS-001

72499-GA-001

90784-CA-001

68253-CO-001

**Batch No:**

**Date of**

**Manufacture:**

**Manufactured for:**

LIQUID FERTILISER PTY. LTD. (Trading as Agrichem)

+61 7 3451 0000

NET CONTENTS:

- 1 Pint       5 Gallons  
 1 Quarts  
 1 Gallon  
 2.5 Gallons



**agrichem**<sup>®</sup>

2 Hovey Road  
Yatala QLD, 4207  
Australia  
Phone: 844-484-8435

## 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® Systemic Fungicide Plus** with an adjuvant adhere to all applicable label directions. Only use an adjuvant with basal bark applications.

### GENERAL APPLICATION INSTRUCTIONS

Apply **Agri-Fos® Systemic Fungicide Plus** by various application methods, including foliar spray, soil drench, soil incorporation, basal bark application and bare root dip. For foliar sprays, apply **Agri-Fos® Systemic Fungicide Plus** 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® Systemic Fungicide Plus** 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  $\frac{1}{4}$  -  $\frac{1}{2}$  of the volume of water required before adding **Agri-Fos® Systemic Fungicide Plus**
2. Add **Agri-Fos® Systemic Fungicide Plus** 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.	=	$\frac{3}{4}$ teaspoon (tsp.)			
$\frac{1}{4}$ fl. oz.	=	1 $\frac{1}{2}$ tsp.			
1/3 fl. oz.	=	2 tsp.			
$\frac{1}{2}$ fl. oz.	=	3 tsp.			
2/3 fl. oz.	=	4 tsp.			
$\frac{3}{4}$ fl. oz.	=	4 $\frac{1}{2}$ tsp.			
1 fl. oz.	=	2 tablespoons (Tbs.)	=		6 tsp.

## AGRICULTURAL APPLICATIONS

### APPLES, CRAB APPLES, LOQUATS, MAYHAW, PEARS & QUINCE

Use **Agri-Fos® Systemic Fungicide Plus** 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
Phytophthora Pythium Fusarium* Rhizoctonia* Fire Blight* (Erwinia amylovora)	Foliar	2 to 6 tsp. per gallon of water	<b>Disease Prevention Program**:</b> Apply lower rate at 2-4 week intervals after plants become established. Do not apply <b>Agri-Fos® Systemic Fungicide Plus</b> at intervals less than 3 days.  <b>Disease Control Program:</b> Apply higher rate at 2-3 week intervals until control is reached. Consult with Farm Advisor or crop expert to determine disease severity. Do not apply <b>Agri-Fos® Systemic Fungicide Plus</b> at intervals less than 3 days.
	Root Dip	4 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 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*** (Erwinia amylovora)	Basal bark spray treat in spring and fall for best results	10.5 fl. oz. + 16 fl. oz. of water + an adjuvant	Spray a combination of <b>Agri-Fos® Systemic Fungicide Plus</b> and an adjuvant 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 to 6 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 <b>Agri-Fos® Systemic Fungicide Plus</b> at intervals less than 3 days.

\* 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.

**APPLES, CRAB APPLES, LOQUATS, MAYHAW, PEARS & QUINCE CONTINUED**

Disease	Application Method	Rate	Application Program
Apple Black Spot and Scab*** (Venturia inaequalis)	Foliar	2-2.5 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 <b>Agri-Fos® Systemic Fungicide Plus</b> and a recommended fungicide in the remaining applications.
	Basal bark spray apply early spring at bud swell or at silver tip stage of growth	10.5 fl. oz. + 16 fl. oz. of water + an adjuvant	Spray a combination of <b>Agri-Fos® Systemic Fungicide Plus</b> and an adjuvant 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.

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

**ASPARAGUS**

Use **Agri-Fos® Systemic Fungicide Plus** 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
Phytophthora Pythium Fusarium* Rhizoctonia*	Foliar	2 to 6 tsp. per gallon of water	<b>Disease Prevention Program**:</b> Apply lower rate at 2 - 4 week intervals after plants become established. Do not apply <b>Agri-Fos® Systemic Fungicide Plus</b> at intervals less than 3 days.  <b>Disease Control Program:</b> Apply higher rate at 2-3 week intervals until control is reached. Consult with Farm Advisor or crop expert to determine disease severity. Do not apply <b>Agri-Fos® Systemic Fungicide Plus</b> at intervals less than 3 days.

\*Not for use in California.

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

## ASPARAGUS CONTINUED

Disease	Application Method	Rate	Application Program
Phytophthora Pythium Fusarium* Rhizoctonia*	Root Dip	4 tsp. per gallon of water	Apply as pre-plant dip immediately prior to planting.
Downy Mildew Powdery Mildew*	Foliar	2 to 6 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 <b>Agri-Fos® Systemic Fungicide Plus</b> at intervals less than 3 days.
Crown Rot* Asparagus Spear Slime* (Phytophthora spp.)	Foliar	0.25 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.

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## AVOCADOS

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

Disease	Application Method	Rate	Application Program
Root Rot (Phytophthora cinnamomi)	Tree injection	Skeletal trees 1st year: 0.25 fl. oz. undiluted product per yard of canopy diameter. Other situations: 0.5 tsp. diluted with ½ fl. oz. of water per yard of canopy diameter	Inject trees at spring flush maturity. Repeat treatment in late summer. 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 <b>Agri-Fos® Systemic Fungicide Plus</b> by trunk injection. Do not inject more liquid in a lesser number of syringes than directed.

## AVOCADOS CONTINUED

Disease	Application Method	Rate	Application Program
Root Rot (Phytophthora cinnamomi)	Foliar	0.25 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 (Phytophthora citricola)	Trunk spray	5.25 to 10.5 fl. oz. with one gallon of water with an adjuvant	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	0.5 teaspoon per gallon of water	Spray to run-off, as required for disease control.

## BERRIES

Use **Agri-Fos® Systemic Fungicide Plus** 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), Shawnee Blackberries, and Youngberries.

Disease	Application Method	Rate	Application Program
Phytophthora Pythium Fusarium* Rhizoctonia*	Foliar	2 to 6 tsp. per gallon of water	<b>Disease Prevention Program**:</b> Apply lower rate at 2-4 week intervals after plants become established. Do not apply <b>Agri-Fos® Systemic Fungicide Plus</b> at intervals less than 3 days.  <b>Disease Control Program:</b> Apply higher rate at 2-3 week intervals until control is reached. Consult with Farm Advisor or crop expert to determine disease severity. Do not apply <b>Agri-Fos® Systemic Fungicide Plus</b> at intervals less than 3 days.
	Root Dip	4 tsp. per gallon of water	Apply as pre-plant dip to the roots for 15-30 minutes. Plant within 24 hours after dipping.

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**BERRIES CONTINUED**

Disease	Application Method	Rate	Application Program
Downy Mildew Powdery Mildew*	Foliar	2 to 6 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 <b>Agri-Fos® Systemic Fungicide Plus</b> at intervals less than 3 days.
Root Rot* (Phytophthora spp.)	Foliar	1.25-4 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: Septoria spp.* Anthracnose*	Root dip	Mix a 2.5% v/v solution (2 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.

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



**BRASSICAS**

Use **Agri-Fos® Systemic Fungicide Plus** 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
Phytophthora Pythium Fusarium* Rhizoctonia*	Foliar	2 to 6 tsp. per gallon of water	<b>Disease Prevention Program**:</b> Apply lower rate at 2-4 week intervals after plants become established. Do not apply <b>Agri-Fos® Systemic Fungicide Plus</b> at intervals less than 3 days.  <b>Disease Control Program:</b> Apply higher rate at 2-3 week intervals until control is reached. Consult with Farm Advisor or crop expert to determine disease severity. Do not apply <b>Agri-Fos® Systemic Fungicide Plus</b> at intervals less than 3 days.
	Root Dip	2 tsp. per gallon of water	Apply as pre-plant dip immediately prior to planting.
Downy mildew (Peronospora parasitica)	Foliar	1.25 tsp. to 1.25 fl. oz. per gallon of water  California: 1/3 to ½ fl. oz. per gallon of water	<b>Low Disease Pressure**:</b> Apply lower rate at 1 to 2 week intervals. Do not apply more than 6 times per growing season.  <b>High Disease Pressure**:</b> Apply higher rate at 7 to 10 day intervals. Do not apply more than 6 times per growing season.
Root Rot (Phytophthora spp)* Damping off (Pythium spp.)*	Foliar	0.75 to 1.25 fl. oz. per gallon of water	Begin application after plants are established and conditions favor disease development.
	Pre-plant seedling nursery treatment	1.25 tsp. in 1 gallon of water to plants in seedling trays 1 to 7 days prior to out planting	<b>Low Disease Pressure**:</b> Apply lower rate at 1 to 2 week intervals. Do not apply more than 6 times per growing season.
	Transplant and furrow application	2 pints at planting or to newly planted seedlings by side dressing	<b>High Disease Pressure**:</b> Apply higher rate at 7 to 10 day intervals. Do not apply more than 6 times per growing season.

\* Not for use in California

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## BRASSICAS CONTINUED

Disease	Application Method	Rate	Application Program
Septoria* Colletotrichum* Alternaria*, Powdery Mildew*	Foliar	0.75 to 1.25 fl. oz. per gallon of water	<p><b>Low Disease Pressure**:</b> 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><b>High Disease Pressure**:</b> 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>

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## CITRUS - MATURE TREES

Use **Agri-Fos® Systemic Fungicide Plus** 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
Phytophthora Pythium Fusarium* Rhizoctonia*	Foliar	2 to 6 tsp. per gallon of water	<p><b>Disease Prevention Program**:</b> Apply lower rate at 2-4 week intervals after plants become established. Do not apply <b>Agri-Fos® Systemic Fungicide Plus</b> at intervals less than 3 days.</p> <p><b>Disease Control Program:</b> Apply higher rate at 2-3 week intervals until control is reached. Consult with Farm Advisor or crop expert to determine disease severity. Do not apply <b>Agri-Fos® Systemic Fungicide Plus</b> at intervals less than 3 days.</p>
	Root Dip	4 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 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.

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**CITRUS TREE - MATURE TREES CONTINUED**

<b>Disease</b>	<b>Application Method</b>	<b>Rate</b>	<b>Application Program</b>
Downy Mildew	Foliar	2 to 6 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 <b>Agri-Fos® Systemic Fungicide Plus</b> at intervals less than 3 days.
Brown Rot Root Rot (Phytophthora spp.)	Foliar	0.75 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 (Phytophthora nicotianae) Collar Rot (Phytophthora citrophthora)	Trunk spray	5.25 to 10.5 fl. oz. per gallon of water with an adjuvant	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 (Phytophthora citricola)	Foliar	2.5 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

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**COCONUTS**

Use **Agri-Fos® Systemic Fungicide Plus** for effective control of Bud Rot and Nut Fall in Coconuts.

<b>Disease</b>	<b>Application Method</b>	<b>Rate</b>	<b>Application Program</b>
Bud Rot Nut Fall (Phytophthora palmivora)	Injection	0.25 to 0.75 fl. oz. per tree	Dilute <b>Agri-Fos® Systemic Fungicide Plus</b> with water to give final injection volume of 1 fl. oz. to 2 fl. oz. of water and <b>Agri-Fos® Systemic Fungicide Plus</b> . Inject into the trunk or root system.

## CUCURBITS

Use **Agri-Fos® Systemic Fungicide Plus** 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 – (Phytophthora spp) Root Rot (Phytophthora blight) Fruit Rot (Phytophthora capsici)	Foliar	1.25-4 tsp. per gallon of water  Apply 0.75 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 (Mycosphaerella melonis)			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 (Pseudoperonospora cubensis)			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	1.25 to 2 fl. oz. per gallon of water	<b>Low Disease Pressure**:</b> 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.  <b>High Disease Pressure**:</b> 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	2.5-3.25 tsp. per gallon of water	Apply after fruit set and during bulking 3 times during the growing season.

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## FRUITING VEGETABLES

Use **Agri-Fos® Systemic Fungicide Plus** 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
Phytophthora Pythium Fusarium* Rhizoctonia*	Foliar	2 to 6 tsp. per gallon of water	<b>Disease Prevention Program**:</b> Apply lower rate at 2-4 week intervals after plants become established. Do not apply <b>Agri-Fos® Systemic Fungicide Plus</b> at intervals less than 3 days. <b>Disease Control Program:</b> Apply higher rate at 2-3 week intervals until control is reached. Consult with Farm Advisor or crop expert to determine disease severity. Do not apply <b>Agri-Fos® Systemic Fungicide Plus</b> at intervals less than 3 days.
	Root Dip	4 tsp. per gallon of water	Apply as pre-plant dip immediately prior to planting.
Downy Mildew	Foliar	2 to 6 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 <b>Agri-Fos® Systemic Fungicide Plus</b> at intervals less than 3 days.
Tomatoes/Tomatillos: Late Blight (Phytophthora infestans) Root Rot (Phytophthora spp.)	Foliar	2 tsp. to 2 fl. oz. per gallon of water  California: 2 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	0.75 to 1.25 fl. oz. per gallon of water	Begin application after plants are established and conditions favor disease development. <b>Low Disease Pressure**:</b> Apply lower rate at 1 to 2 week intervals. Do not apply more than 6 times per growing season.
	Pre-plant seedling: nursery treatment	0.75 tsp. in 1 gallon of water to plants in seedling trays 1 to 7 days prior to out planting	<b>High Disease Pressure**:</b> Apply higher rate at 7 to 10 day intervals. Do not apply more than 6 times per growing season.
	Transplant and furrow application	2 pints at planting or to newly planted seedlings by side dressing	For control of bacterial leaf spot of tomatoes, apply the high rate of <b>Agri-Fos® Systemic Fungicide Plus</b> with registered bactericides.

\* Not for use in California

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## FRUITING VEGETABLES CONTINUED

Disease	Application Method	Rate	Application Program
Leaf Diseases, such as: Anthracnose* Alternaria Leaf Blight*	Foliar	0.75 to 1.25 fl. oz. per gallon of water	<p><b>Low Disease Pressure**:</b> 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><b>High Disease Pressure**:</b> 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>

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## GRAPES AND VINES

Use **Agri-Fos® Systemic Fungicide Plus** 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
Phytophthora Pythium Fusarium* Rhizoctonia*	Foliar	2 to 6 tsp. per gallon of water	<p><b>Disease Prevention Program**:</b> Apply lower rate at 2-4 week intervals after plants become established. Do not apply <b>Agri-Fos® Systemic Fungicide Plus</b> at intervals less than 3 days.</p> <p><b>Disease Control Program:</b> Apply higher rate at 2-3 week intervals until control is reached. Consult with Farm Advisor or crop expert to determine disease severity. Do not apply <b>Agri-Fos® Systemic Fungicide Plus</b> at intervals less than 3 days.</p>
	Root Dip	4 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 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.

\* Not for use in California

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## GRAPES AND VINES CONTINUED

Disease	Application Method	Rate	Application Program
Downy mildew (Plasmopara viticola)	Foliar	0.25 fl. oz per gallon of water	It is essential that the rate of <b>Agri-Fos® Systemic Fungicide Plus</b> be adjusted to the vine-row volume, i.e., the volume of vine foliage per acre. Spray timing is critical. Apply <b>Agri-Fos® Systemic Fungicide Plus</b> 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 <b>Agri-Fos® Systemic Fungicide Plus</b> is applied to match vine growth, particularly from mid-season onwards, and especially where grapes are grown on root stock.
Downy mildew (Plasmopara viticola)	Foliar	0.75 to 1 fl. oz. gallons of water per acre  <b>Agri-Fos® Systemic Fungicide Plus</b> is most effectively applied to control downy mildew when tank mixed with other registered fungicides	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 growing season.
Powdery mildew* (Uncinula necator)	Foliar	1.25 to 2 fl. oz. per gallon of water	<b>Low Disease Pressure**:</b> 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. <b>High Disease Pressure**:</b> 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	2 to 6 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® Systemic Fungicide Plus** 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® Systemic Fungicide Plus** 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, Curmin, 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
Phytophthora Pythium Fusarium* Rhizoctonia*	Foliar	2 to 6 tsp. per gallon of water	<b>Disease Prevention Program**:</b> Apply lower rate at 2-4 week intervals after plants become established. Do not apply <b>Agri-Fos® Systemic Fungicide Plus</b> at intervals less than 3 days.  <b>Disease Control Program:</b> Apply higher rate at 2-3 week intervals until control is reached. Consult with Farm Advisor or crop expert to determine disease severity. Do not apply <b>Agri-Fos® Systemic Fungicide Plus</b> at intervals less than 3 days.
Downy Mildew Powdery Mildew*	Foliar	2 to 6 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 <b>Agri-Fos® Systemic Fungicide Plus</b> at intervals less than 3 days.

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## HOPS

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

Disease	Application Method	Rate	Application Program
Phytophthora Pythium Fusarium* Rhizoctonia*	Foliar	2 to 6 tsp. per gallon of water	<b>Disease Prevention Program**:</b> Apply lower rate at 2-4 week intervals after plants become established. Do not apply <b>Agri-Fos® Systemic Fungicide Plus</b> at intervals less than 3 days.  <b>Disease Control Program:</b> Apply higher rate at 2-3 week intervals until control is reached. Consult with Farm Advisor or crop expert to determine disease severity. Do not apply <b>Agri-Fos® Systemic Fungicide Plus</b> at intervals less than 3 days.
Downy Mildew Powdery Mildew*	Foliar	2 to 6 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 <b>Agri-Fos® Systemic Fungicide Plus</b> at intervals less than 3 days.

\*Not for use in California.

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## LEAFY VEGETABLES

Use **Agri-Fos® Systemic Fungicide Plus** 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, Chilies, 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
Phytophthora Pythium Fusarium* Rhizoctonia*	Foliar	2 to 6 tsp. per gallon of water	<b>Disease Prevention Program**:</b> Apply lower rate at 2-4 week intervals after plants become established. Do not apply <b>Agri-Fos® Systemic Fungicide Plus</b> at intervals less than 3 days.  <b>Disease Control Program:</b> Apply higher rate at 2-3 week intervals until control is reached. Consult with Farm Advisor or crop expert to determine disease severity. Do not apply <b>Agri-Fos® Systemic Fungicide Plus</b> at intervals less than 3 days.

\* Not for use in California

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**LEAFY VEGETABLES CONTINUED**

Disease	Application Method	Rate	Application Program
Phytophthora Pythium Fusarium* Rhizoctonia*	Root Dip	4 tsp. per gallon of water	Apply as pre-plant dip immediately prior to planting.
Downy Mildew Powdery Mildew*	Foliar	2 to 6 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 <b>Agri-Fos® Systemic Fungicide Plus</b> 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* (Colletotrichum spp.)* Leaf Blights (Septoria and Cercospora spp.)* Bacterial Rots (Erwinia spp.)*	Foliar	1 to 1.25 fl. oz. per gallon of water	Begin application after plants are established and conditions favor disease development.  <b>Low Disease Pressure**:</b> Apply lower rate at 1 to 2 week intervals. Do not apply more than 6 times per growing season.  <b>High Disease Pressure**:</b> Apply higher rate at 7 to 10 day intervals. Do not apply more than 6 times per growing season.

\*Not for use in California.

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## LEGUMES

Use **Agri-Fos® Systemic Fungicide Plus** 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
Phytophthora Pythium Fusarium* Rhizoctonia*	Foliar	2 to 6 tsp. per gallon of water	<b>Disease Prevention Program**:</b> Apply lower rate at 2-4 week intervals after plants become established. Do not apply <b>Agri-Fos® Systemic Fungicide Plus</b> at intervals less than 3 days.  <b>Disease Control Program:</b> 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 <b>Agri-Fos® Systemic Fungicide Plus</b> at intervals less than 3 days.
Downy Mildew Powdery Mildew*	Foliar	2 to 6 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 <b>Agri-Fos® Systemic Fungicide Plus</b> at intervals less than 3 days.
Leaf Diseases such as: Anthracnose* (Colletotrichum spp.)* Leaf Blights (Septoria and Cercospora spp.)* Bacterial Rots (Erwinia spp.)*	Foliar	1.25 to 2 fl. oz. per gallon of water	<b>Low Disease Pressure**:</b> 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.  <b>High Disease Pressure**:</b> 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® Systemic Fungicide Plus** for suppression of Anthracnose in mangos.

Disease	Application Method	Rate	Application Program
Anthracnose (Colletotrichum gloeosporoides)	Foliar spray Ground	1.25 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® Systemic Fungicide Plus** 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
Phytophthora Pythium Fusarium* Rhizoctonia*	Foliar	2 to 6 tsp. per gallon of water	<b>Disease Prevention Program**:</b> Apply lower rate at 2-4 week intervals after plants become established. Do not apply <b>Agri-Fos® Systemic Fungicide Plus</b> at intervals less than 3 days.  <b>Disease Control Program:</b> Apply higher rate at 2-3 week intervals until control is reached. Consult with Farm Advisor or crop expert to determine disease severity. Do not apply <b>Agri-Fos® Systemic Fungicide Plus</b> at intervals less than 3 days.
	Root Dip	4 tsp. per gallon of water	Apply as pre-plant dip immediately prior to planting.
Downy Mildew Powdery Mildew*	Foliar	2 to 6 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 <b>Agri-Fos® Systemic Fungicide Plus</b> at intervals less than 3 days.
Pseudomonas syringae pv. garcae*	Foliar	Mix a 0.50% v/v solution (2.5 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® Systemic Fungicide Plus** 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
Phytophthora Pythium Fusarium* Rhizoctonia*	Foliar	2 to 6 tsp. per gallon of water	<b>Disease Prevention Program**:</b> Apply lower rate at 2-4 week intervals after plants become established. Do not apply <b>Agri-Fos® Systemic Fungicide Plus</b> at intervals less than 3 days.  <b>Disease Control Program:</b> Apply higher rate at 2-3 week intervals until control is reached. Consult with Farm Advisor or crop expert to determine disease severity. Do not apply <b>Agri-Fos® Systemic Fungicide Plus</b> at intervals less than 3 days.
	Root Dip	4 tsp. per gallon of water	Apply as pre-plant dip immediately prior to planting.
Downy mildew (Peronospora destructor)	Foliar	2.5 tsp. per gallon of water	As a regular preventative control program or when disease first appears.
Powdery Mildew*	Foliar	2 to 6 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 <b>Agri-Fos® Systemic Fungicide Plus</b> at intervals less than 3 days.

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## PEANUTS

Use **Agri-Fos® Systemic Fungicide Plus** 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
Phytophthora Pythium Fusarium* Rhizoctonia* Early and Late Leaf Spot* (Cercospora arachidicola* Cerosporidium personatum)*	Foliar	2 to 6 tsp. per gallon of water	<b>Disease Prevention Program**:</b> Apply lower rate at 2-4 week intervals after plants become established. Do not apply <b>Agri-Fos® Systemic Fungicide Plus</b> at intervals less than 3 days.  <b>Disease Control Program:</b> Apply higher rate at 2-3 week intervals until control is reached. Consult with Farm Advisor or crop expert to determine disease severity. Do not apply <b>Agri-Fos® Systemic Fungicide Plus</b> at intervals less than 3 days.
Downy Mildew Powdery Mildew*	Foliar	2 to 6 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 <b>Agri-Fos® Systemic Fungicide Plus</b> at intervals less than 3 days.
Leaf and Crown Diseases* Anthracnose* (Colletotrichum)*	Transplant and furrow application	2 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.  <b>Low Disease Pressure**:</b> Apply lower rate at 1 to 2 week intervals. Do not apply more than 6 times per growing season.  <b>High Disease Pressure**:</b> 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® Systemic Fungicide Plus** for effective control of Phytophthora, Pythium, Fusarium, Rhizoctonia, Downy Mildew, and Powdery Mildew in Pineapples.

Disease	Application Method	Rate	Application Program
Phytophthora Root and Heart Rot (Phytophthora cinnamomi and parasitica spp)	Foliar (pre-harvest)	1 to 2.25 fl. oz. per gallon of water	Apply to tops, 14 days prior to harvest of planting material.  Established plantings when conditions favor disease. Apply at 90 day intervals.
	Pre-plant dip	1.25 tsp. per gallon of water	Ensure thorough coverage of plants.
	Foliar	0.5 fl. oz. per gallon of water	
Pythium Fusarium* Rhizoctonia*	Foliar	2 to 6 tsp. per gallon of water	<b>Disease Prevention Program**:</b> Apply lower rate at 2-4 week intervals after plants become established. Do not apply <b>Agri-Fos® Systemic Fungicide Plus</b> at intervals less than 3 days.  <b>Disease Control Program:</b> Apply higher rate at 2-3 week intervals until control is reached. Consult with Farm Advisor or crop expert to determine disease severity. Do not apply <b>Agri-Fos® Systemic Fungicide Plus</b> at intervals less than 3 days.
	Root Dip	4 tsp. per gallon of water	Apply as pre-plant dip immediately prior to planting.
Downy Mildew Powdery Mildew*	Foliar	2 to 6 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 <b>Agri-Fos® Systemic Fungicide Plus</b> at intervals less than 3 days.

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## ROOT AND TUBER VEGETABLES

Use **Agri-Fos® Systemic Fungicide Plus** 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 Arracacha, 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
Phytophthora Pythium Fusarium* Rhizoctonia*	Foliar	2 to 6 tsp. per gallon of water	<b>Disease Prevention Program**:</b> Apply lower rate at 2-4 week intervals after plants become established. Do not apply <b>Agri-Fos® Systemic Fungicide Plus</b> at intervals less than 3 days.  <b>Disease Control Program:</b> Apply higher rate at 2-3 week intervals until control is reached. Consult with Farm Advisor or crop expert to determine disease severity. Do not apply <b>Agri-Fos® Systemic Fungicide Plus</b> at intervals less than 3 days.
	Root Dip	4 tsp. per gallon of water	Apply as pre-plant dip immediately prior to planting.
Carrots: Phytophthora spp. Pythium spp.	Foliar	1.25 tsp. to 1.25 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 Pythium leak (Phytophthora erythroseptica and Pythium spp.)	In-furrow spray	4.25 to 10.5 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 Pythium Leak (Phytophthora infestans, Phytophthora erythroseptica and Pythium spp.)	Foliar	0.5 to 2 tsp. per gallon of water	Apply at 5 to 14 day intervals subject to disease incidence.
Downy Mildew Powdery Mildew*	Foliar	2 to 6 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 <b>Agri-Fos® Systemic Fungicide Plus</b> at intervals less than 3 days.

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## STONE FRUIT

Use **Agri-Fos® Systemic Fungicide Plus** 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
Phytophthora Pythium Fusarium* Rhizoctonia*	Foliar	2 to 6 tsp. per gallon of water	<b>Disease Prevention Program**:</b> Apply lower rate at 2-4 week intervals after plants become established. Do not apply <b>Agri-Fos® Systemic Fungicide Plus</b> at intervals less than 3 days.  <b>Disease Control Program:</b> Apply higher rate at 2-3 week intervals until control is reached. Consult with Farm Advisor or crop expert to determine disease severity. Do not apply <b>Agri-Fos® Systemic Fungicide Plus</b> at intervals less than 3 days.
	Root Dip	4 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 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 to 6 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 <b>Agri-Fos® Systemic Fungicide Plus</b> at intervals less than 3 days.

\* Not for use in California

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

**STONE FRUIT CONTINUED**

Disease	Application Method	Rate	Application Program
Root and Collar Rot* (Phytophthora spp.)*	Foliar	0.25 fl. oz. per gallon of water	Three treatments are required 1. Spring 2. Mid-summer 3. Fall, post-harvest
	Basal bark spray, apply in spring and fall	10.5 fl. oz. + 16 fl. oz. of water + an adjuvant	Spray a combination of <b>Agri-Fos® Systemic Fungicide Plus</b> and an adjuvant 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* (Phytophthora syringae)*	Paint or spray	0.25 to 0.5 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* (Armillaria luteobubalina)*	Basal Bark Spray	1 to 1.25 quarts + 2 quarts water + an adjuvant	Spray a combination of <b>Agri-Fos® Systemic Fungicide Plus</b> and an adjuvant 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 senescence and a spring application for best results. For trees less than 18 inches DBH, make an early spring application.

\*Not for use in California.

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

## STRAWBERRIES

Use **Agri-Fos® Systemic Fungicide Plus** 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
Phytophthora Pythium spp. (Red Steele, Leather Rot, and Root Rot)	Pre-planting dip	0.25 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	1.25 to 4 tsp. per gallon of water	Annual crops, first treatment 14 to 21 days post planting, repeat at 1-2 month intervals when disease is evident.
	Transplant and furrow	2 pints at planting or to newly planted seedlings by side dressing or shank application	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.  Grey mold and Anthracnose suppression using <b>Agri-Fos® Systemic Fungicide Plus</b> requires use of high application rates and is most effective when tank mixed with other registered fungicides.
Phytophthora spp.*	Dip	Mix a 0.25% v/v solution (0.25 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	0.75 to 1 fl. oz. per gallon of water	<b>Low Disease Pressure**:</b> 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.  <b>High Disease Pressure**:</b> 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.

\*Not for use in California.

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

## STRAWBERRIES CONTINUED

Disease	Application Method	Rate	Application Program
Downy Mildew	Foliar	2 to 6 tsp. per gallon of water	<p><b>Disease Prevention Program**:</b> Apply lower rate at 2-4 week intervals after plants become established. Do not apply <b>Agri-Fos® Systemic Fungicide Plus</b> at intervals less than 3 days.</p> <p><b>Disease Control Program:</b> Apply higher rate at 2-3 week intervals until control is reached. Consult with Farm Advisor or crop expert to determine disease severity. Do not apply <b>Agri-Fos® Systemic Fungicide Plus</b> at intervals less than 3 days.</p>

\*Not for use in California.

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## TREE NUTS

Use **Agri-Fos® Systemic Fungicide Plus** 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
Phytophthora Pythium Fusarium* Rhizoctonia*	Foliar	2 to 6 tsp. per gallon of water	<p><b>Disease Prevention Program**:</b> Apply lower rate at 2-4 week intervals after plants become established. Do not apply <b>Agri-Fos® Systemic Fungicide Plus</b> at intervals less than 3 days.</p> <p><b>Disease Control Program:</b> Apply higher rate at 2-3 week intervals until control is reached. Consult with Farm Advisor or crop expert to determine disease severity. Do not apply <b>Agri-Fos® Systemic Fungicide Plus</b> at intervals less than 3 days.</p>
	Root Dip	4 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 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.

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

**TREE NUTS CONTINUED**

Disease	Application Method	Rate	Application Program
Downy Mildew	Foliar	2 to 6 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 <b>Agri-Fos® Systemic Fungicide Plus</b> at intervals less than 3 days.
Macadamia nuts: Raceme blight* (Phytophthora spp.)*	Foliar	2 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	Foliar	2 to 3 tsp. per gallon of water	Apply <b>Agri-Fos® Systemic Fungicide Plus</b> 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* (Phytophthora spp.)	Trunk spray	1 quart + 2 quarts of water + an adjuvant	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	1 to 1.25 quarts + 2 quarts of water + an adjuvant	Spray a combination of <b>Agri-Fos® Systemic Fungicide Plus</b> and an adjuvant 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 senescence and a spring application for best results. For trees less than 18 inches DBH, make an early spring application.

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

## LANDSCAPE APPLICATIONS

Use **Agri-Fos® Systemic Fungicide Plus** 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® Systemic Fungicide Plus** 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
Phytophthora* Pythium sp.* Phytophthora ramorum*	Injection	7.25 fl. oz. per 21 fl. oz. of water  Or  0.25 tsp. per tsp. of water	Drill holes 3/16 inch (5 mm) 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-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	10.5 fl. oz. + 16 fl. oz. of water + an adjuvant	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.

\*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.

**LANDSCAPE APPLICATIONS CONTINUED**

Disease	Application Method	Rate	Application Program
Fusarium subglutinans* (Pine Pitch Canker)*	Basal bark spray  (Pines) apply anytime active growth is observed	10.5 fl. oz. <b>Agri-Fos® Systemic Fungicide Plus</b> + 32 fl. oz. water + an adjuvant	Spray a combination of <b>Agri-Fos® Systemic Fungicide Plus</b> and an adjuvant 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.)
Fusarium subglutinans* (Pine Pitch Canker) Gnomonia platani* (Sycamore Anthracnose)	Injection	2.5 tsp. per tree of a 16 fl. oz. Agri-Fos 600 + 32 fl. oz. 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, Smart Shot injector, or hydraulic tree injection. Trees should be at least 10" diameter at breast height.
Suppression of Anthracnose**	Foliar	2-2.5 tsp. per gallon of water	Apply at pre bloom (bud swell or green tip stage) with a supplemental application 14 days later with <b>Agri-Fos® Systemic Fungicide Plus</b> or other fungicide compound with efficacy on Anthracnose.
	Basal bark spray apply early spring at bud swell until green tip stage of growth	10.5 fl. oz. + 16 fl. oz. of water + an adjuvant	Spray a combination of <b>Agri-Fos® Systemic Fungicide Plus</b> and an adjuvant 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 senescence and a spring application for best results. For trees less than 18 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.

**LANDSCAPE APPLICATIONS CONTINUED**

Disease	Application Method	Rate	Application Program
Suppression of Verticillium Wilt**	Foliar	2-2.5 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	1 to 1.25 quarts + 2 quarts of water + an adjuvant	Spray a combination of <b>Agri-Fos® Systemic Fungicide Plus</b> and an adjuvant 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 senescence 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® Systemic Fungicide Plus** 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® Systemic Fungicide Plus** to plants such as, but not limited to, Aglaonema, Anthurium, Aphelandra, Arborvitae, Azaleas, Bougainvillea, Boxwood, Cattleya skinneri, Ceanothus, Cotoneaster, Cissus, Diffenbachia, English Ivy, Eucalyptus, Ficus, Hibiscus, Japanese Andromeda, Japanese Holly, Leather Leaf Fern, Peperomia, Photinia, Pittosporum, Philodendron, Pteris, 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	1.25 to 2.5 tsp. per gallon of water	Apply spray to thoroughly wet all foliage. Application intervals: 7 to 14 days Repeat as required.
Downy mildew	Foliar	1.25 to 2.5 tsp. per gallon of water	Apply uniformly to foliage at disease onset and repeat applications every 14 days.
Phytophthora spp. [Root Rot], Phytophthora ramorum and Pythium spp. [Damping-Off]	Foliar	1.25 to 2.5 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 (0.25 to 4.25 fl. oz. in 1 to 5 gallons of water)	Apply uniformly to soil at base of plant and surrounding soil.
	Soil incorporation	0.75-1.25 pints per cubic yard of soil	Just prior to potting, mix 1 to 2 pts. of <b>Agri-Fos® Systemic Fungicide Plus</b> into each cubic yard of growing media. If disease pressure is high, apply foliar spray or soil drench.
	Bare rooted dipping of transplants	1.25 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	1.25 to 2.5 tsp. per gallon of water	Apply uniformly to foliage at disease onset and repeat applications every 14 days.
Suppression of Anthracnose*	Foliar	1 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	1.25 to 2.5 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® Systemic Fungicide Plus** 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® Systemic Fungicide Plus** to plants such as, but not limited to, Ageratum, Aglaonema, Algerian Ivy, Anthurium, Aphelandra, Arborvitae, Artemisia, 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® Systemic Fungicide Plus** 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	0.5 to 0.75 fl. oz. per gallon of water	Apply spray to thoroughly wet all foliage. Application intervals: 14 to 21 days. Repeat as required.
Phytophthora spp [Root Rot] and Pythium spp [Damping-Off]	Foliar	1.25 to 2.5 tsp. per gallon of water	Apply spray to thoroughly wet all foliage. Application intervals: 14 to 21 days. Repeat as required.
	Soil drench	0.125 tsp. per 2 gallons 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.
Phytophthora spp*	Foliar	0.125 tsp. per 100 sq. ft.	Apply spray in 1 pint of water per 100 sq.ft.
	Hand gun	1.25 quarts per 100 gallons of water	Apply spray to thoroughly wet all foliage.

\*Lavender applications.

## CONIFERS

Apply **Agri-Fos® Systemic Fungicide Plus** 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
Phytophthora	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 to 1.5 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.
	Root dip	4 tsp. per gallon of water	Apply as pre-plant dip to roots for 15-30 minutes. Plant within 24 hours after dipping.
Fusarium subglutinans (Pine Pitch Canker)*	Basal bark spray apply any time active growth is observed	10.5 fl. oz. <b>Agri-Fos® Systemic Fungicide Plus</b> + 32 fl. oz. of water + an adjuvant	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	2.5 tsp per tree of a 16 fl. oz. <b>Agri-Fos® Systemic Fungicide Plus</b> + 32 fl. oz. of water + an adjuvant	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.

**TURF AND LAWN HOMES**

Use **Agri-Fos® Systemic Fungicide Plus** 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.

<b>Disease</b>	<b>Application Method</b>	<b>Rate</b>	<b>Application Program</b>
Pythium spp.	Foliar	3.25 to 6.5 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	3.25 to 6.5 fl. oz. in 2 gallons of water per 1000 sq. ft.	Apply prior to onset of disease. Apply every 7 to 14 days.
Rhizoctonia*	Foliar	3.25 to 6.5 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:**

Non-refillable 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.

# AGRI-FOS

## Systemic Fungicide Plus

SYSTEMIC FUNGICIDE FOR THE EFFECTIVE CONTROL OF PYTHIUM, RHIZOCTONIA, AND ANTHRACNOSE ON TURF

**ACTIVE INGREDIENTS:** Mono- and di-potassium salts of Phosphorous Acid\* 60.56%  
**OTHER INGREDIENTS:** 39.44%

**TOTAL:** 100%

\*Contains 7.92 lbs/gallon of the active ingredients, mono- and di-potassium salts of Phosphorous Acid.  
Equivalent to 5.11 lbs Phosphorous Acid/gallon

## KEEP OUT OF REACH OF CHILDREN CAUTION

Consult page 2 of this booklet for Precautionary Statements

**EPA Reg. No.** 71962-2

**EPA Est. No.** 71962-AUS-001  
72499-GA-001  
90784-CA-001  
68253-CO-001

**Batch No:**  
**Date of**  
**Manufacture:**

**Manufactured for:**  
LIQUID FERTILISER PTY. LTD. (Trading as Agrichem)  
+61 7 3451 0000

**NET CONTENTS:**

- 1 Pint     5 Gallons     55 Gallons  
 1 Quart     15 Gallons     250 Gallons  
 1 Gallon     30 Gallons  
 2.5 Gallons     35 Gallons



**agrichem**<sup>®</sup>

2 Hovey Road  
Yatala QLD, 4207  
Australia  
Phone: 844-484-8435

## 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

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 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.

AGRI-FOS SYSTEMIC FUNGICIDE PLUS is a highly concentrated material. Exercise precautions to prevent potential root or foliar burning, or soil media pH changes. If applying AGRI-FOS SYSTEMIC FUNGICIDE PLUS in combination with other materials, conduct a compatibility test to avoid potential incompatibilities. Prior to the addition of AGRI-FOS SYSTEMIC FUNGICIDE PLUS to a spray mix, the user or application advisor must have experience with the combination or should have conducted a phytotoxicity trial. Do not mix with fixed copper or copper-based fungicides if the pH of the spray solution is below pH 6. Use sufficient water to ensure thorough coverage.

## COMPATIBILITY

AGRI-FOS SYSTEMIC FUNGICIDE PLUS is compatible with most products used in agriculture. Mixtures of AGRI-FOS SYSTEMIC FUNGICIDE PLUS with some foliar fertilizers and copper products are not always compatible or may cause phytotoxicity. 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 plant (phytotoxicity). Tank mix AGRI-FOS SYSTEMIC FUNGICIDE PLUS with fertilizers only if plant safety has been established and the AGRI-FOS SYSTEMIC FUNGICIDE PLUS use rates are followed.

Due to AGRI-FOS SYSTEMIC FUNGICIDE PLUS'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 SYSTEMIC FUNGICIDE PLUS.

Use a jar test to confirm compatibility with AGRI-FOS SYSTEMIC FUNGICIDE PLUS. 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.

### Use Restriction

Do not apply this product through any type of irrigation system.

## MIXING AND APPLICATION INSTRUCTIONS

Prior to any fertilizer or pesticide application, all spray mixing and application equipment must be cleaned. Fill the spray or mix tank one-half full of water and begin agitation. Add pesticides and/or fertilizers, as directed by the labeling or in the following sequence:

1. Dry flowables or water dispersible granules

2. Flowables

3. Water-based solutions

4. Emulsifiable concentrates

5. Water-based solutions

6. Compatibility agents

7. Micronutrients and fertilizers

8. Spray adjuvants



Use AGRI-FOS SYSTEMIC FUNGICIDE PLUS 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.

<b>Application Method</b>	<b>Rate</b>	<b>Application Program</b>
COOL SEASON TURF Tees, Greens & Approaches	3 – 6 fl. oz./1000 ft <sup>2</sup>	During summer stress periods or active growth periods, apply every 14 days in a minimum of 3 gallons of water/1000 sq. ft.
WARM SEASON TURF Tees, Greens & Approaches	3 – 6 fl. oz./1000 ft <sup>2</sup>	During active growth periods, apply every 14 days in spring or fall. For the remainder of the year, apply every 30 days during active growth periods. Apply in a minimum of 3 gallons of water/1000 sq. ft.
LANDING AREAS, FAIRWAYS & SPORTS TURF	1 gallon/acre	During cool, wet weather, apply every 14 days. Apply every 30 days during active growth periods. Apply in a minimum of 100 gallons of water/acre.
O V E R S E E D I N G , SPRIGGING OR LAYING OF SOD	1 gallon/acre	Apply post germination, sprigging or laying of sod and at 14-day intervals thereafter in a minimum of 200 gallons of water/acre.

\* 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

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

### CONTAINER HANDLING

Nonrefillable 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  $\frac{1}{4}$  full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

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  $\frac{1}{4}$  full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.

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.

## LIMITED WARRANTY AND LIMITATIONS OF LIABILITY AND REMEDIES

The directions on this label are believed to be reliable and should be followed carefully; insufficient control of pests and/or injury to the crop to which the product is applied may result from the occurrence of extraordinary or unusual weather conditions or failure to follow the label directions, or good application practices, all of which are beyond the control of the Company or seller. In addition, failure to follow label directions may cause injury to crops or animals. The Company warrants that this product conforms to the chemical description on the label and is reasonably fit for the purpose referred to in the directions for use, subject to the factors noted above which are beyond the control of the Company. To the extent consistent with applicable law, the Company makes no other warranties or representations of any kind, express or implied. Concerning the product, to the extent consistent with applicable law, no warranty shall be implied by law, nor is there any implied warranty regarding merchantability or fitness for any particular purpose. The exclusive remedy against the Company for any cause of action relating to the handling or use of this product is a claim for damage and in no event, shall damages or any other recovery of any kind against the Company exceed the price of the product which causes the alleged loss, damage, injury, or other claim. The Company shall not be liable, and any and all claims against the Company are waived for special, indirect, incidental, or consequential damages or expenses of any kind, including, but not limited to, loss of profits or income. The Company and the seller offer this product, and the buyer and user accept it, subject to the foregoing conditions of sale and limitation of warranty, liability, and remedies.