STATE OF HAWAII
Department of Agriculture
ACCEPTED
LICENSE NO.
9699.60

AGRI-FOS®

Systemic Fungicide

For The Effective Control Of:

- ***Phytophthora Diseases Associated with Sudden Oak Death***
- ***Downy Mildew, Phytophthora & Pythium in Ornamentals & Bedding Plants***
- ***Pythium in Turf***

MONTEREY

ACTIVE INGREDIENTS:
Mono- and di-potassium salts of Phosphorous Acid*. 45.8%
OTHER INGREDIENTS: 54.2%
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.

EPA Reg. No. 71962-1-54705
EPA Est. No. 48498-CA-1

KEEP OUT OF REACH OF CHILDREN

CAUTION

(See Attached Booklet for First Aid and Additional Precautionary Statements)

NET CONTENTS:
1 QUART / 946 mL

100(01)

AGRI-FOS®

SYSTEMIC FUNGICIDE

For The Effective Control Of:

- **Phytophthora Diseases Associated with Sudden Oak Death**
- **Downy Mildew, Phytophthora & Pythium in Ornamentals & Bedding Plants**
- **Pythium in Turf**

Manufactured for:
LAWN AND GARDEN PRODUCTS, INC.
P. O. Box 35000 • Fresno, CA 93745
(559) 499-2100
www.montereylawngarden.com

0 22179 10208 8

NET CONTENTS: 1 QUART / 946 mL

1004(01)

Job #10668

FRONT COVER

KEEP OUT OF REACH OF CHILDREN

CAUTION

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 by mouth 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. You may also contact the National Poison Control Hotline at 1-800-222-1222, 24 hours a day, 7 days a week.	

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

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

ENVIRONMENTAL HAZARDS

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. For use only in home gardens, on home lawns, and on home ornamentals and related home plants.

GENERAL APPLICATION INSTRUCTIONS

Apply 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® 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 runoff.

MIXING INSTRUCTIONS

1. Fill the spray tank with 1/4 to 1/2 of the volume of water required before adding AGRI-FOS® Systemic Fungicide.
2. Add 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.	=	3/4 teaspoon (tsp.)		
1/4 fl. oz.	=	1½ tsp.		
1/3 fl. oz.	=	2 tsp.		
1/2 fl. oz.	=	3 tsp.		
2/3 fl. oz.	=	4 tsp.		
3/4 fl. oz.	=	4½ tsp.		
1 fl. oz.	=	2 tablespoons (Tbs.)	=	6 tsp.

CITRUS, FRUIT, NUT AND VEGETABLE APPLICATIONS

APPLES, CRAB APPLES, LOQUATS, PEARS & QUINCE*

Use AGRI-FOS® Systemic Fungicide for effective control of black spot, root and collar rot and fire blight in apples, crab apples, loquats, pears, and quinces.

Disease	Application Method	Rate	Application Program
Apple black spot or scab *(Venturia inaequalis)*	Foliar spray	1/2 fl. oz. per gal. of water	First application at open cluster. Last application at fifth cover or fruit at 2" to 2½" diameter. Total of 10 applications at 10- to 12-day intervals. When conditions are conducive to a black spot outbreak, apply AGRI-FOS® Systemic Fungicide immediately. **Note:** After 4 or 5 consecutive applications some yellowing of extension growth may be observed. If yellowing occurs use another fungicide until yellowing of leaves disappears.
Root and collar rot *(Phytophthora cactorum)* Fire Blight *(Erwinia amylovora)*	Foliar spray	Apply 1/2-1 tsp. per gal. of water	One- to two-month intervals between treatments. Under high disease pressure use higher application rate and shorter spray interval. Ensure thorough coverage.

*Not for use in California.

ASPARAGUS*

Use AGRI-FOS® Systemic Fungicide for effective control of crown rot and asparagus spear slime disease in asparagus crops.

Disease	Application Method	Rate	Application Program
Crown rot & Asparagus spear slime *(Phytophthora 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.

AVOCADOS

Use 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 *(Phytophthora cinnamomi)*	Tree Injection	Skeletal trees 1st year: 1/4 fl. oz. undiluted product per yard of canopy diameter. Other situations: 1/8 fl. oz. diluted with 1/2 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®, or hydraulic tree injectors. 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 the canopy of injected trees. Do not add any material, other than water, to AGRI-FOS® Systemic Fungicide by trunk injection. Do not inject more liquid in a lesser number of syringes than directed.
	Foliar spray	1/3 fl. oz. per gal. of water	Spray to runoff at 2-2½ 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	8-16 fl. oz. per gal. of water	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 spray	3/4 tsp. per gal. of water	Spray to runoff as required for disease control.

BERRIES*

Use AGRI-FOS® Systemic Fungicide for effective control of root rot in bush and cane berries such as, but not limited to, blueberries, blackberries, loganberries, and raspberries (red, black, hybrids/cultivars).

Disease	Application Method	Rate	Application Program
Root rot *(Phytophthora spp)*	Foliar spray	3 tsp. per gal. of water. Ensure foliage is completely wet.	New plantings: start application when new growth is 2 to 3 inches long. Established plantings: start applications when cool, wet conditions occur which favor disease. 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. 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. For blueberries – First application in spring at pink bud and then on a regular schedule of application at 2- to 3-week intervals.

*Not for use in California.

BRASSICAS

Use AGRI-FOS® Systemic Fungicide for effective control of downy mildew in brassicas such as, but not limited to, broccoli, Brussels sprouts, cabbage, cauliflower, cavalo broccolo, collards, Chinese cabbage, Chinese mustard cabbage, kale, kohlrabi, mizuna, mustard greens, mustard spinach and rape greens.

Disease	Application Method	Rate	Application Program
Downy mildew *(Peronospora parasitica)*	Foliar spray	2 tsp. to 2 oz. per gal. of water California: 1/3 to 1/2 fl. oz. per gal. 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.

CITRUS – Mature trees
Use AGRI-FOS® Systemic Fungicide for effective control of root rot and collar rot diseases in citrus.

Disease	Application Method	Rate	Application Program
Brown rot and root rot *(Phytophthora spp)*	Foliar spray	1 tsp. per gal. of water	When conditions favor disease, spray trees to runoff; ensure even coverage. Do not apply at high temperatures (above 95°F) particularly if humidity is low or to moisture-stressed trees.
Root rot & collar rot *(Phytophthora spp nicotianae* & *Phytophthora citrophthora)*	Trunk spray	8 to 16 fl. oz. per gal. of water	Spray trunk lesions with enough spray volume to ensure lesions are completely wet. When disease levels are high, use higher rate.

COCONUTS
Use 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 *(Phytophthora palmivora)*	Injection	1/3 to 1 fl. oz. per tree	Dilute AGRI-FOS® Systemic Fungicide with water to give final injection volume of 1 fl. oz. to 2 fl. oz. of water and AGRI-FOS®. Inject into the trunk or root system.

CUCURBITS
Use AGRI-FOS® Systemic Fungicide for effective control of sudden wilt, gummy stem blight, and downy mildew diseases in cucurbits such as, but not limited to, cucumber, Chinese waxgourd, citron melon, gherkin rock melon, honeydew melon, pumpkin, zucchini, watermelon and squash (summer and winter), *Momordica spp* balsam apple, balsam pear, bitter melon, and Chinese cucumber.

Disease	Application Method	Rate	Application Program
Sudden wilt – Root and fruit rot *(Phytophthora spp)*	Foliar spray	Apply 1 fl. oz. per gal. of water	Entire spray coverage of plant is required. Do not exceed a total of 6 applications per season.

(cont. on next page)

CUCURBITS *(cont.)*

Disease	Application Method	Rate	Application Program
Gummy stem blight *(Mycosphaerella melonis)*	Foliar spray	Apply 1 fl. oz. per gal. of water	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 *(Pseudoperono-spora cubensis)*			Apply within 7 to 10 days of infection. Repeat as necessary. Do not exceed a total of 6 applications per season.

FRUITING VEGETABLES*

Use AGRI-FOS® Systemic Fungicide for effective control of damping-off, root rot, and gummy stem blight diseases in eggplant, tomatoes, tomatillos, and peppers such as, but not limited to, bell, chili, cooking, pimento, and sweet.

Disease	Application Method	Rate	Application Program
Eggplant: *Pythium* & *Phytophthora spp* and Gummy stem blight *(Mycosphaerella melonis)*	Foliar spray	Apply 1 fl. oz. per gal. of water	Entire spray coverage of plant is required. Do not exceed a total of 6 applications per season. 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.
Peppers: Late blight root rot *(Phytophthora infestans* & *Phytophthora spp)*		2 tsp. to 2 oz. per gal. 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.
Tomatoes/ Tomatillos: Late blight and root rot *(Phytophthora infestans* & *Phytophthora spp)*		2 tsp. to 2 oz. per gal. of water California: 3 tsp. per gal. 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.

*Except for tomatoes and tomatillos, not for use in California.

GRAPES

Use AGRI-FOS® Systemic Fungicide for effective control of downy mildew diseases in grapes.

Disease	Application Method	Rate	Application Program
Downy mildew *(Plasmopara viticola)*	Foliar spray	1/2 fl. oz. per gal. of water	It is essential that the rate of 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® 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® Systemic Fungicide is applied to match vine growth, particularly from mid-season onwards, and especially where grapes are grown on root stock.

HOPS*

Use AGRI-FOS® Systemic Fungicide for effective control of downy mildew in hops.

Disease	Application Method	Rate	Application Program
Downy mildew	Foliar spray by ground equipment only	2½ tsp. per gal. of water	When conditions favor disease, apply when: A. Shoots are 1/2 to 1 foot long. B. Post-training when vines are 6 feet high. C. 21 days post-application (B) D. During bloom

*Not for use in California.

LEAFY VEGETABLES*

Use AGRI-FOS® Systemic Fungicide for effective control of downy mildew in leafy vegetables such as, but not limited to, amaranth, arugula, cardoon, celery, chervil, corn salad, endive, fennel, lettuce, parsley, radicchio, rhubarb, spinach, and Swiss chard. Excludes Brassica vegetables.

Disease	Application Method	Rate	Application Program
Downy mildew *(Bremia lactucae)*	Foliar spray	1⅔ fl. oz. per gal. of water	Ensure spray coverage is adequate to wet the whole plant. During warm, wet conditions repeat application at 7- to 10-day intervals, if needed.

*Not for use in California.

LEGUMES*

Use AGRI-FOS® Systemic Fungicide for effective control of damping-off and root rot diseases in legumes (succulent and dried) such as, but not limited to, green beans, soybeans, wax beans, field beans, navy beans, lima beans, fava beans, kidney beans, pinto beans, mung beans, broad beans, lentils, chickpeas, English peas, snow peas, sugar snap peas, black-eyed peas, cow peas, and pigeon peas.

Disease	Application Method	Rate	Application Program
Phytophthora & *Pythium spp*	Foliar spray	2 tsp. to 2 fl. oz. per gal. of water	Apply at 14-day intervals after plant emergence, as needed. Assure good coverage.

*Not for use in California.

MANGOS

Use AGRI-FOS® Systemic Fungicide for effective control of anthracnose in mangos.

Disease	Application Method	Rate	Application Program
Anthracnose *(Colletotrichum gloeosporoides)*	Foliage spray	2 tsp. per gal. of water	Spray tree every 14 days during blossom period, then monthly until harvest. Spray to the point of runoff.

NONGRASS ANIMAL FEED*

Use AGRI-FOS® Systemic Fungicide for effective control of damping-off and root rot diseases in forage crops such as, but not limited to, alfalfa, clover, and vetch.

Disease	Application Method	Rate	Application Program
Phytophthora & *Pythium spp*	Foliar spray	2 tsp. to 2 oz. per gal. of water	Apply at 14-day intervals after plant emergence, as needed. Assure good coverage.

*Not for use in California.

OKRA*

Use AGRI-FOS® Systemic Fungicide for effective control of damping-off and root rot diseases in okra.

Disease	Application Method	Rate	Application Program
Phytophthora & *Pythium spp*	Foliar spray	2 tsp. to 2 oz. per gal. of water	Apply at 14-day intervals after plant emergence, as needed. Assure good coverage.

*Not for use in California.

ONIONS

Use AGRI-FOS® Systemic Fungicide for effective control of downy mildew disease in onions, garlic, shallots, and leeks. Use as a preventative control program for best results.

Disease	Application Method	Rate	Application Program
Downy mildew *(Peronospora destructor)*	Foliar spray	4 tsp. per gal. of water	As a regular preventative control program or when disease first appears.

PEANUTS*

Use AGRI-FOS® Systemic Fungicide for effective control of damping-off and root rot disease in peanuts.

Disease	Application Method	Rate	Application Program
Phytophthora & *Pythium spp*	Foliar spray	2 tsp. to 2 oz. per gal. of water	Apply at 14-day intervals, as necessary. Ensure thorough coverage.

*Not for use in California.

PINEAPPLES

Use AGRI-FOS® Systemic Fungicide for effective control of Phytophthora root and heart rot diseases in pineapples.

Disease	Application Method	Rate	Application Program
Phytophthora root & heart rot *(Phytophthora cinnamomi & parasitica spp)*	Foliar spray	1⅔ to 3⅓ fl. oz. per gal. of water	Apply to tops, 14 days prior to harvest of planting material.
	Pre-plant dip	2 tsp. per gal. of water	Established plantings: when conditions favor disease. Apply at 90-day intervals.
	Foliar spray	2/3 fl. oz. per gal. of water	Ensure thorough coverage of plants.

ROOT AND TUBER VEGETABLES*

Use AGRI-FOS® Systemic Fungicide for effective control of foliar and root rot in ginseng, damping-off and root rot diseases in carrots, and late blight disease and storage diseases such as pink rot and Pythium leak in potatoes, sweet potatoes, and yams.

Disease	Application Method	Rate	Application Program
Ginseng: Foliar & root rot *(Phytophthora cactorum)*	Foliar spray	4½ tsp. per gal. of water	In cool, wet conditions that favor Phytophthora. Apply at 7-day intervals. Do not exceed a total of 8 applications per season.
Carrots: *Phytophthora* & *Pythium spp*	Foliar spray	2 tsp. to 2 oz. per gal. 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 & Pythium spp)*	In-furrow spray	6½ to 16 fl. oz. per gal. of water	Apply in a band spray directly over top of potato seed just before row is closed.

(cont. on next page)

ROOT AND TUBER VEGETABLES* ***(cont.)***

Disease	Application Method	Rate	Application Program
Potatoes, Sweet Potatoes, Yams: Late blight, Pink rot and Pythium leak *(Phytophthora infestans, Phytophthora erythroseptica* and *Pythium spp)*	Foliar spray	2/3 to 3 tsp. per gal. of water	Apply at 5- to 14-day intervals subject to disease incidence.

*Except for potatoes, sweet potatoes, and yams, not for use in California.

STONE FRUIT*

Use AGRI-FOS® Systemic Fungicide for effective control of root, collar rot and almond pruning wound canker disease in stone fruit such as, but not limited to, sweet and tart cherries, peaches, plums, and fresh prunes.

Disease	Application Method	Rate	Application Program
Root & collar rot *(Phytophthora spp)*	Foliar spray	1/3 fl. oz. per gal. of water	Three treatments are required: 1. Spring 2. Mid summer 3. Fall, postharvest
Almond pruning – wound cankers *(Phytophthora syringae)*	Paint or spray	1/3 to 3/4 fl. oz. per gal. of water	Apply to pruning wound and surrounding area. Ensure area is thoroughly wet. In high disease situations use higher rate.

*Not for use in California.

STRAWBERRIES

Use AGRI-FOS® Systemic Fungicide for effective control of leather rot, red stele and Phytophthora disease in strawberries.

Disease	Application Method	Rate	Application Program
Red stele *(Phytophthora fragariae)*	Pre-planting dip	1/3 fl. oz. per gal. of water	Dip planting material in this solution for 30 minutes, then plant within one day. Use program for annual and perennial varieties.
	Foliar spray	2 to 3 tsp. per gal. of water	Annual crops, first treatment 14 to 21 days post planting, repeat at 1-2 month intervals when disease is evident. 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.
Leather rot *(Phytophthora cactorum)*	Foliar spray	2 to 3 tsp. per gal. of water	Apply at 10% bloom and early fruit set, then at 1- to 2-week intervals as required for disease control. In high disease situations use higher rates and shorter spray intervals.

TREE NUTS*

Use AGRI-FOS® Systemic Fungicide for effective control of root and collar rot, and almond pruning-wound canker disease in tree nuts such as, but not limited to, almonds, beech nuts, Brazil nuts, butternuts, cashews, chestnuts, chinquapin, hazelnuts, hickory nuts, macadamia nuts, pecans, and walnuts.

Disease	Application Method	Rate	Application Program
Other than macadamia nuts: Root & collar rot *(Phytophthora spp)*	Foliar	2 tsp. per gal. of water	Three treatments are required: 1. Spring 2. Midsummer 3. Fall, postharvest
Other than macadamia nuts: Almond pruning – wound canker *(Phytophthora syringae)*	Paint or spray	4½ tsp. per gal. of water	Apply to pruning wound and surrounding area, ensure area is thoroughly wet.
Macadamia nuts: Raceme blight *(Phytophthora spp)*	Foliar spray	3 tsp. per gal. of water	Apply when disease is first seen and reapply at 3-week intervals. Spray to the point of runoff.

*Not for use in California.

LANDSCAPE APPLICATIONS*

Use AGRI-FOS® Systemic Fungicide for effective control of Phytophthora and Pythium diseases associated with Sudden Oak Death, Beech Decline, and general tree decline syndromes. Apply AGRI-FOS® Systemic Fungicide to plants such as, but not limited to, Beech, Cedar, Chestnut, Crab Apple, Dogwood, Elm, Fir, Juniper, Linden, Monterey Pine, Oaks (Coastal, Live, Shreve, Black, Canyon), Ornamental Pear, Sweet Birch, Sweet Gum, 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 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.

Disease	Application Method	Rate	Application Program
Phytophthora & *Pythium spp,* & *Phytophthora ramorum*	Injection	11 fl. oz. per 21 fl. oz. of water OR 1/2 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, or hydraulic applicator type equipment that forces solution into the sapwood of the tree.

(cont. on next page)

LANDSCAPE APPLICATIONS* ***(cont.)***

Disease	Application Method	Rate	Application Program
Phytophthora & *Pythium spp,* & *Phytophthora ramorum*	Basal bark spray	31.2 fl. oz. + 31.2 fl. oz. of of water + 1.6 fl. oz. Pentra-Bark™ 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 just prior to runoff. Can be used as a preventative or curative application. 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.

*Except for Oaks (Coastal, Live, Shreve, Black, Canyon) and Tan Oaks, not for use in California.

ORNAMENTAL APPLICATIONS

Use AGRI-FOS® Systemic Fungicide for effective control of Bacterial blight, Downy mildew, *Phytophthora spp* and *Pythium spp* diseases, and Sudden Oak Death of Ornamentals in landscapes. Apply AGRI-FOS® Systemic Fungicide to plants such as, but not limited to, Aglaonema, Aphelandra, Arborvitae, Azaleas, Bougainvillea, Boxwood, Cattelya skinneri, Ceanothus, Cotoneaster, Cissus, Dieffenbachia, English ivy, Eucalyptus, Ficus, Hibiscus, Japanese andromeda, Japanese Holly, Leather leaf Fern, Peperomia, Photinia, Pittosporum, Philodendron, Pieris, Pothos, Rhododendron, Roses (container, 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.

(cont. on next page)

ORNAMENTAL APPLICATIONS *(cont.)*

Disease	Application Method	Rate	Application Program
Bacterial blight *(Xanthomonas campestris)* pothovars: *dieffenbachiae, fici hederae* & *syngonli*	Foliar spray	2-4 tsp. per gal. of water	Apply spray to thoroughly wet all foliage. Application intervals: 7 to 14 days. Repeat as required.
Downy mildew		2½-5 tsp. per gal. of water	Apply spray to thoroughly wet all foliage. Application intervals: 14 to 21 days. Repeat as required.
Phytophthora spp and *Pythium spp*		2-4 tsp. per gal. of water	Apply spray to thoroughly wet all foliage. Application intervals: 14 to 21 days. Repeat as required.
	Soil drench	1/8 tsp. per gal. 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 incorporation	1-2 pints per cubic yard of soil	Just prior to potting, mix 1 to 2 pts. of AGRI-FOS® Systemic Fungicide into each yard of growing media. If disease pressure is high, apply foliar spray or soil drench.
	Bare rooted dipping of transplants	2 tsp. per gal. of water	Immediately before transplanting, dip transplants for two minutes, keep roots submerged, ensure root mass is thoroughly wet.

BEDDING PLANTS

Use AGRI-FOS® Systemic Fungicide for effective control of Downy mildew, *Phytophthora spp* and *Pythium spp* diseases of BEDDING PLANTS. Apply AGRI-FOS® Systemic Fungicide to plants such as, but not limited to, Ageratum, Algerian Ivy, Anthurium, Artemesia, Aster, Begonia, Baby's Breath, Caladium, Carnation, Chrysanthemum, Columbine, Coleus, Daisy, Delphinium, Easter Lily, Foxglove, Gaillardia, Geranium, Gloxinia, Impatiens, Marigold, Petunia, Pansy, Phlox, Pinks, Poinsettia, Primrose, Prostrate Rosemary, Salvia, Snapdragon, Vinca, Verbena, and Zinnia.

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
Downy Mildew	Foliar Spray	1/2-1¼ fl. oz. per gal. of water	Apply spray to thoroughly wet all foliage. Application intervals: 14 to 21 days. Repeat as required.
Phytophthora spp and *Pythium spp*	Foliar spray	2 to 4 tsp. per gal. 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	1/8 tsp. per gal. 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.

CONIFERS*

Apply 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
Phytophthora spp	Foliar spray	2-4 tsp. per gal. of water	Apply spray to thoroughly wet all foliage. Application intervals: 14 to 21 days. Repeat as required.
	Soil drench	2-4 tsp. per gal. of water	Apply 1 gallon of solution per sq. yd. Follow application with irrigation. Application intervals: 14 to 21 days. Repeat as required.
	Bare root dipping at transplanting	2 tsp. per gal. of water	Immediately before transplanting, dip transplants for two minutes; keep roots submerged and ensure root mass is thoroughly wet.

*Not for use in California.

TURF

Use AGRI-FOS® Systemic Fungicide for the effective control of Pythium and damping-off diseases of turf grasses. When conditions favor disease, begin preventative applications and repeat at indicated intervals. Use higher rate of application when disease pressure is severe.

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

Disease	Application Method	Rate	Application Program
Pythium	Foliar spray	5 to 10 fl. oz. per 1,000 sq. ft.	Apply indicated quantity of product in 1 to 5 gallons of water per 1,000 sq. ft. Ensure foliage is thoroughly wet. Application intervals: 14 to 21 days. Repeat as required. Do not irrigate or mow treated areas until spray has completely dried.

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.

DISPOSAL: If empty: Do not reuse this container. Place in trash or offer for recycling if available. **If partly filled:** Call your local solid waste agency or 1-800-CLEANUP (1-800-253-2687) for disposal instructions. Never place unused product down any indoor or outdoor drain.

NOTICE TO BUYER

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