

71962-2

2/10/2015

1/72



U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs  
Registration Division (7505P)  
1200 Pennsylvania Ave., N.W.  
Washington, D.C. 20460

EPA Reg. Number:

71962-2

Date of Issuance:

FEB 10 2015

NOTICE OF PESTICIDE:

Registration  
 Reregistration  
(under FIFRA, as amended)

Term of Issuance:

Unconditional

Name of Pesticide Product:

AGRI-FOS 600®

Name and Address of Registrant (include ZIP Code):

Liquid Fertiliser Pty, Ltd. (Trading as Agrichem)  
2 Hovey Road  
Yatala, Queensland 4207  
Australia

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA).

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on her motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This registration does not eliminate the need for continual reassessment of the pesticide. If EPA determines at any time that additional data are required to maintain in effect an existing registration, the Agency will require submission of such data under section 3(c)(2)(B) of FIFRA. This product is unconditionally registered in accordance with FIFRA section 3(c)(5) provided that you:

- 1. Submit and/or cite all data required for of your product under FIFRA section 3(c)(5) and section 4 registration/registration review of your product when the Agency requires all registrants of similar products to submit such data.

Signature of Approving Official:

Date:

2/10/15

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

EPA Form 8570-6

CONCURRENCES

SYMBOL	7511P	7511P					
SURNAME	Gibbnet	Adams					
DATE	2/10/15	2/10/15					

EPA Form 1326-1 (1/90)

OFFICIAL FILE COPY

FEB 10 2015

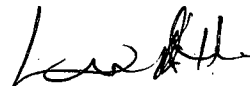
2. Make the following label changes before you release the product for shipment:
  - Revise the EPA Registration Number to read, "EPA Reg. No. 71962-2."
3. Submit one copy of the revised final printed label for the record before you release the product for shipment. Refer to the A-79 enclosure for a further description of final printed labeling.

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

If these terms are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records. Please also note that the record for this product currently contains the following CSFs:

- Basic CSF dated 1/30/2015

If you have any questions, please contact Gina Burnett at (703) 605-0513 or [burnett.gina@epa.gov](mailto:burnett.gina@epa.gov).



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

[Enclosure]

3/72

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

AGRI-FOS 600®

SYSTEMIC FUNGICIDE FOR THE EFFECTIVE CONTROL OF VARIOUS PLANT DISEASES INCLUDING BLACK SPOT OR SCAB IN APPLE, ROOT ROT IN AVOCADO, BUD ROT AND NUT FALL IN COCONUT, ROOT ROT IN CITRUS AND CUCURBITS, DOWNY MILDEW IN CUCURBITS, GRAPE, LETTUCE, AND ONION, ANTHRACNOSE IN MANGO, ROOT AND HEART ROT IN PINEAPPLE, LATE BLIGHT IN POTATO, ROOT AND COLLAR ROT IN STONEFRUIT, LEATHER ROT AND PHYTOPHTHORA DISEASES IN STRAWBERRY, LATE BLIGHT IN TOMATO, DOWNY MILDEW, PHYTOPHTHORA & PYTHIUM IN ORNAMENTALS, INTERIORSAPES, BEDDING PLANTS, VEGETABLE TRANSPLANTS, AND HERBS AND SPICES, PHYTOPHTHORA AND FUSARIUM IN CONIFERS, PYTHIUM IN TURF, AND PHYTOPHTHORA AND PYTHIUM DISEASES ASSOCIATED WITH STEM AND CANKER BLIGHT (SUDDEN OAK DEATH) AND GENERAL BEECH DECLINE AND VARIOUS TREE STEM CANKERS AND PHLOEM CANKERS.

ACTIVE INGREDIENTS: Mono- and di-potassium salts of Phosphorous Acid*	60.56%
OTHER INGREDIENTS:	39.44%
TOTAL	100.00%

\*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

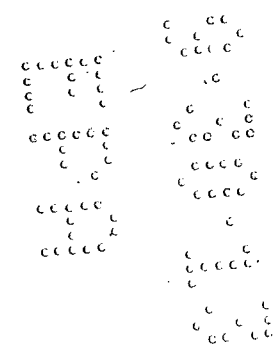
EPA Reg. No. 71962-  
EPA Est. No.

Manufactured for:  
LIQUID FERTILISER PTY. LTD. (Trading as Agrichem)  
2 Hovey Road  
Yatala, Queensland 4207  
Australia  
320-222-3026

ACCEPTED  
FEB 10 2015

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

71962-2



4/  
72

**Sub-label A – Commercial and Agricultural Uses**

**AGRI-FOS 600®**

SYSTEMIC FUNGICIDE FOR THE EFFECTIVE CONTROL OF VARIOUS PLANT DISEASES INCLUDING BLACK SPOT OR SCAB IN APPLE, ROOT ROT IN AVOCADO, BUD ROT AND NUT FALL IN COCONUT, ROOT ROT IN CITRUS AND CUCURBITS, DOWNY MILDEW IN CUCURBITS, GRAPE, LETTUCE, AND ONION, ANTHRACNOSE IN MANGO, ROOT AND HEART ROT IN PINEAPPLE, LATE BLIGHT IN POTATO, ROOT AND COLLAR ROT IN STONEFRUIT, LEATHER ROT AND *PHYTOPHTHORA* DISEASES IN STRAWBERRY, LATE BLIGHT IN TOMATO, DOWNY MILDEW, *PHYTOPHTHORA* & *PYTHIUM* IN ORNAMENTALS, INTERIORSCAPES, BEDDING PLANTS, VEGETABLE TRANSPLANTS, AND HERBS AND SPICES, *PHYTOPHTHORA* AND *FUSARIUM* IN CONIFERS, *PYTHIUM* IN TURF, AND *PHYTOPHTHORA* AND *PYTHIUM* DISEASES ASSOCIATED WITH STEM AND CANCER BLIGHT (SUDDEN OAK DEATH) AND GENERAL BEECH DECLINE AND VARIOUS TREE STEM CANCERS AND PHLOEM CANCERS.

ACTIVE INGREDIENTS: Mono- and di-potassium salts of Phosphorous Acid*.....	60.56%
OTHER INGREDIENTS:.....	39.44%
TOTAL.....	100.00%

\*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

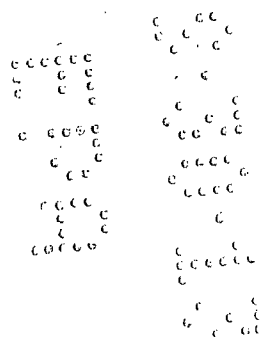
EPA Reg. No. 71962  
EPA Est. No.

Manufactured for:  
**LIQUID FERTILISER PTY. LTD. (Trading as Agrichem)**  
2 Hovey Road  
Yatala, Queensland 4207  
Australia  
785-542-2577

Batch No.:

Date of Manufacture:

Net Contents: 1 gal., 5 gal., 25 gal., 55 gal., or 250 gal.



5/172

<b>FIRST AID</b>	
<b>IF SWALLOWED:</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice</li> <li>• Have person sip a glass of water if able to swallow</li> <li>• Do not induce vomiting unless told to do so by a poison control center or doctor</li> <li>• Do not give anything to an unconscious person</li> </ul>
<b>IF IN EYES:</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye</li> <li>• Call poison control center or doctor for treatment advice</li> </ul>
<b>IF ON SKIN OR CLOTHING:</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes</li> <li>• Call a poison control center or doctor for treatment advice</li> </ul>
<b>IF INHALED:</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible</li> <li>• Call a poison control center or doctor for further treatment advice</li> </ul>
<p>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</p>	

**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.

<b>USER SAFETY RECOMMENDATIONS</b>
<p>Users should:</p> <ul style="list-style-type: none"> <li>• Wash hands before drinking, eating, chewing gum, using tobacco or using the toilet.</li> <li>• Remove PPE clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.</li> <li>• 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.</li> </ul>

6/72

## ENVIRONMENTAL HAZARDS

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

## DIRECTIONS FOR USE

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

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

### AGRICULTURAL USE REQUIREMENTS

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

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

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

### NON-AGRICULTURAL USE REQUIREMENTS

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

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

## CHEMIGATION

Use of AGRI-FOS 600® through chemigation is not permitted in California.

Apply this product only through center pivot, solid set or drip (trickle) irrigation systems. Do not apply this product through any other type of irrigation system.

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

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

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

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

**SPRINKLER AND DRIP (TRICKLE) IRRIGATION SYSTEMS:**

The irrigation system must contain a functional check valve, vacuum relief valve and low-pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.

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

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

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

The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.

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

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

Apply AGRI-FOS 600® continuously for the duration of the water application. After treatment with AGRI-FOS 600® has been completed, avoid further irrigation of the treated area until foliage is dry or for 24 to 48 hours.

**GENERAL APPLICATION INSTRUCTIONS**

Apply AGRI-FOS 600® by various application methods, including foliar spray (aerial and ground), soil drench, soil incorporation, basal bark application and bare root dip. For foliar sprays, apply AGRI-FOS® with sufficient water volumes for adequate coverage of foliage, according to crop and growth stage. To ensure good coverage, spray to wetness, but avoid run-off. **This product does not have a pre-harvest interval (PHI). Harvest when dry.**

When using AGRI-FOS 600® with Supa Stik PN adhere to all applicable label directions. Only use Supa Stik PN with basal bark applications.

**MIXING INSTRUCTIONS**

1. Fill the spray tank with ¼ - ½ of the volume of water required before adding AGRI-FOS 600®
2. Add AGRI-FOS 600® slowly to the tank and agitate by mechanical or hydraulic means
3. Continue agitating as tank fills with water to the desired volume
4. Maintain agitation during application

**COMPATIBILITY**

AGRI-FOS 600® is compatible with most products used in agriculture. However, individual crop sensitivity to these mixtures may vary. Mixtures of AGRI-FOS 600® with some foliar fertilizers and copper products are not always compatible or cause phytotoxicity to some plants. If these combinations or others have not been used previously, do not tank mix without first testing the compatibility of the tank mix. Do not apply tank mixture without first assessing its safety to the

crop (phytotoxicity). Tank mix AGRI-FOS 600® with fertilizers only if crop safety has been established and the AGRI-FOS 600® use rates are followed.

Due to AGRI-FOS 600®'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 600®.

Use a jar test to confirm compatibility with AGRI-FOS 600®. In a clean jar using the same water source that is normally used to fill spray tank, add the same proportions of each product and the appropriate quantity of water and mix thoroughly. Let stand for 3 minutes. If mixture remains in solution or is remixed readily the tank mix is compatible.

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

**GENERAL HYDROPONIC APPLICATIONS\***

For use with plants grown in recirculating hydroponic systems.

Disease	Rate	Application Program
General root rots ( <i>Pythium</i> and <i>Phytophthora</i> spp.) and root diseases	0.75 to 1.25 quarts in 5300 gallons of nutrient solution	Apply every 4 to 6 weeks in the summer and every 8 weeks in the fall. The application time interval may be modified depending on crop load, water quality, and disease pressure.

\*Not for use in California.

**AGRICULTURAL APPLICATIONS**

**APPLES, CRAB APPLES, LOQUATS, PEARS & QUINCE\***

Use AGRI-FOS 600® 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 and scab ( <i>Venturia inaequalis</i> )	Foliar spray Ground	Apply 2 to 2.50 pints per acre in 100 gallons water per acre	Apply in combination with a mancozeb-containing product at 3 lbs/acre. Apply at ¼ - ½ inch green tip through first cover at 7 to 10 day intervals or according to forecasted infection events. Continue with AGRI-FOS 600® and Captan in the remaining applications.
Apple black spot and scab ( <i>Venturia inaequalis</i> )	Basal bark spray at bud swell or silver tip stage of growth in early spring	40.50 fl. oz. of AGRI-FOS 600® + 62.5 fl. oz. of water + 1.5 to 3.0 fl. oz. Supa Stik PN Bark Penetrating Surfactant	Spray a combination of AGRI-FOS 600® and Supa Stik PN on the complete circumference of the tree trunk until saturation/runoff. Spray from ground level up to 5 feet above the soil line, including the base of the first scaffolding limbs, if present (treatment generally lasts 8-12 weeks depending on pathogen levels. Higher disease



			pressure will shorten the length of control).
Root and collar rot ( <i>Phytophthora cactorum</i> ) Fire Blight ( <i>Erwinia amylovora</i> )	Foliar spray Ground           Basal bark spray treat in spring and fall for best results	1.75 to 3.25 pints in 100 gallons of water per acre           40.50 fl. oz. of AGRI-FOS 600® + 62.5 fl. oz. of water + 1.5 to 3.0 fl. oz. Supa Stik P Bark Penetrating Surfactant	Thorough spray coverage of plant is required. Start applications when conditions favor disease development. Apply at one to two month intervals between treatments. Use the low rate on the shorter interval and the high rate on the longer interval.  Spray a combination of AGRI-FOS 600® and Supa Stik PN around the complete circumference of the tree trunk until saturation/runoff. Spray from ground level up to 5 feet above the soil line, including the base of the first scaffolding limbs, if present. (Treatment generally lasts 8-12 weeks depending on pathogen levels. Higher disease pressure will shorten the length of control).

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

**ASPARAGUS\***

Use AGRI-FOS 600® for effective control of crown rot & asparagus spear slime disease in asparagus.

Disease	Application Method	Rate	Application Program
Crown rot & Asparagus spear slime ( <i>Phytophthora</i> spp.)	Foliar spray Ground	0.75 quarts per acre in 25 gallons water to 1.75 quarts per acre in 250 gallons water	Apply to ferns that have 2 to 3 inches of new growth. Do not apply to ferns that are starting to die down (senesce). 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 600® for effective control of root rot, trunk cankers and downy mildew disease in avocado.

Disease	Application Method	Rate	Application Program
Root rot ( <i>Phytophthora cinnamomi</i> )	Tree injection	Skeletal trees 1st year: 0.75 tsp undiluted product per yard of canopy diameter. Other situations: 0.50 teaspoon diluted with 0.50 fl. oz. of water per yard of canopy diameter	Inject trees at spring flush maturity post vegetative at summer flush maturity. Drill holes 3/16 inch (5 mm) in diameter and 1 inch (25 mm) to 2 inches (50 mm) deep with slight downward angle in trunk. Place syringes in the main trunk of the tree and space evenly around the circumference of the trunk. Suitable for use with Chemjet tree injectors, Ag-murf gun, Smart Shot injector, or hydraulic tree injection. Do not prune back trees before injection process as burning of new growth may occur. Do not inject trees in winter months. Do not cut back the canopy of injected trees. Do not add any material, other than water, to AGRI-FOS 600® by trunk injection. Do not inject more liquid in a lesser number of syringes than directed.
	Foliar spray Ground	1.25 quarts in 100 gallons of water per acre	Spray to run off 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 ( <i>Phytophthora citricola</i> )	Trunk spray	0.75 to 1.75 quarts mixed with 5 gallons of water with 3.0 fl. oz. of Supa Stik P Bark Penetrating Surfactant	Apply to trunk lesions using sufficient spray volume to completely wet the trunk and lesions. If lesions absent, apply to trunk from soil level to two feet up trunk. If lesions present use higher rate.
Downy mildew	Foliar spray Ground	2.50 pints in 100 to 500 gallons water	Spray to run-off, as required for disease control.

**BERRIES\***

Use AGRI-FOS 600® for effective control of root rot, general leaf and berry diseases such as those caused by *Septoria* spp., and downy mildew, and for suppression of 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, ollalieberries, Oregon evergreen berries, raspberries (red, black, hybrids/cultivars), and youngberries.

Disease	Application Method	Rate	Application Program
Root rot ( <i>Phytophthora</i> spp.)	Foliar spray	0.75 – 2.00 quarts per 100 gallons of water per acre. Ensure foliage is completely wet	<p>New plantings: start application when new growth is 2 to 3 inches long. 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 intervals.</p>
	Ground		
General leaf and berry diseases such as those caused by <i>Septoria</i> spp. and Anthracnose	Root dip	Mix a 2.50% v/v solution (0.75 quart per 10 gallons of water)	Apply as pre-plant dip to the roots for 2-3 minutes. Plant within 48 hours after dipping. Mix a fresh solution daily.
	Chemigation Overhead	0.75 to 1.25 quarts in 1000 gallons of water per acre	Apply with normal irrigation schedule. Do not apply more than 4 times per crop cycle.
	Chemigation Low volume	1.25 to 2 quarts in 100 gallons of water per acre	
Downy mildew	Foliar spray Aerial	1 to 1.25 quarts in 20 gallons of water per acre	<u>Low Disease Pressure:</u> Apply lower rate at first onset of disease. Repeat applications at 1 to 3 week intervals. Do not apply more than 6 times per crop cycle.
	Foliar spray Ground	1 to 1.25 quarts in up to 100 gallons of water per acre	

12/72

			<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 crop cycle.</p> <p>AGRI-FOS 600® is best when used in combination with conventional registered fungicides to increase the performance of the disease control program.</p>
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\*Not for use in California.

**BRASSICAS\***

Use AGRI-FOS 600® for effective control of damping-off, root rot, bacterial, and 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, kale, kohlrabi, mizuna, mustard greens, mustard spinach and rabe greens.

Disease	Application Method	Rate	Application Program
Root rot and damping off ( <i>Phytophthora</i> spp. and <i>Pythium</i> spp.)	Foliar spray Aerial	0.75 to 1 quarts in 10 gallons of water per acre	Begin application after plants are established and conditions favor disease development.
	Foliar spray Ground	0.75 to 1.25 quarts in 30 gallons of water per acre	<u>Low Disease Pressure:</u> Apply lower rate at 1 to 2 week intervals. Do not apply more than 6 times per crop cycle.
	Pre-plant seedling nursery treatment	0.75 quart in 100 gallons of water to nursery plants in seedling trays 1 to 7 days prior to out planting	<u>High Disease Pressure:</u> Apply higher rate at 7 to 10 day intervals. Do not apply more than 6 times per crop cycle.
	Transplant and furrow application	2 pints at planting or to newly planted seedlings by side dressing or shank application	
Bacterial diseases	Chemigation Overhead	0.75 to 1.25 quarts in 1000 gallons of water per acre	Apply with normal irrigation schedule.
	Chemigation Low volume	1.25 to 2 quarts in 100 gallons of water per acre	<u>Low Disease Pressure:</u> Apply lower rate at 1 to 2 week intervals. Do not apply more than 6 times per crop cycle.  <u>High Disease Pressure:</u> Apply higher rate at 7 to 10 day intervals. Do not apply more than 6 times per crop cycle.

Downy mildew ( <i>Peronospora parasitica</i> )	Foliar spray Ground	0.75 to 1.25 quarts in 30 gallons of water per acre California: 0.75 quarts per acre in 100 gallons of water to 1.75 quarts per acre in 185 gallons of water	<u>Low Disease Pressure:</u> Apply lower rate at first onset of disease. Repeat applications at 1 to 2 week intervals. Do not apply more than 6 times per crop cycle.  <u>High Disease Pressure:</u> Apply higher rate at first onset of disease. Repeat applications at 7 to 10 day intervals. Do not apply more than 6 times per crop cycle.
Diseases caused by <i>Septoria</i> , <i>Collectotrichum</i> , <i>Alternaria</i> , and Powdery mildew	Foliar spray Ground	0.75 to 1.25 quarts in 30 gallons of water per acre	<u>Low Disease Pressure:</u> Apply lower rate at first onset of disease. Repeat applications at 1 to 2 week intervals. Do not apply more than 6 times per crop cycle.  <u>High Disease Pressure:</u> Apply higher rate at first onset of disease. Repeat applications at 7 to 10 day intervals. Do not apply more than 6 times per crop cycle.

\*Use in California limited to control of downey mildew

**CEREAL GRAINS\***

Apply AGRI-FOS 600® to crops such as, but not limited to, field corn, ornamental corn, sweet corn, Indian corn, wheat, rye, barley, oats, triticale, and sorghum (milo). Use AGRI-FOS 600® for effective control of damping-off and root rot diseases:

Disease	Application Method	Rate	Application Program
<i>Phytophthora</i> and <i>Pythium</i> spp.	Foliar spray Ground	0.75 quarts per acre in 25 gallons of water to 1.25 quarts per acre in 250 gallons of water	Corn: Apply at 14-day intervals from 4-leaf stage, as needed. Assure good coverage. Other grains: Apply at 14-21 day intervals, as needed. Assure good coverage.

\*Not for use in California.

**CITRUS - Mature trees**

Use AGRI-FOS 600® for effective control of root rot and collar rot diseases in citrus.

Disease	Application Method	Rate	Application Program
Brown rot and root rot <i>Phytophthora</i> spp.	Foliar spray Ground	1.75 quarts per acre in a maximum of 250 gallons of water	When conditions favor disease, spray trees to run off ensure even coverage. Do not apply at high temperatures (above 95°F) particularly if humidity is low or to moisture-stressed trees.

14/72

Root rot and collar rot ( <i>Phytophthora nicotianae</i> and <i>Phytophthora citrophthora</i> )	Trunk spray	Mix 0.75 to 1.75 quarts in a minimum of 5 gallons of water with 1 to 3 fl. oz. of Supa Stik PN Bark Penetrating Surfactant	Spray trunk lesions with enough spray volume to ensure lesions are completely wet. When disease levels are high use higher rate.
Pre-harvest blue and green mold and brown rot ( <i>Phytophthora citricola</i> )	Foliar spray Ground	1.25 quarts in up to 100 gallons of water per acre	Apply 2 to 4 weeks prior to harvest. Ensure fruit is thoroughly covered by the spray application.

**COCONUTS**

Use AGRI-FOS 600® for effective control of bud rot and nut fall in coconuts.

Disease	Application Method	Rate	Application Program
Bud rot – Nut fall ( <i>Phytophthora palmivora</i> )	Injection	1.25 to 4 tsp per tree	Dilute AGRI-FOS 600® with water to give final injection volume of 1 fl. oz. to 2 fl. oz. of water and AGRI-FOS 600®. Inject into the trunk or root system.

**COTTON\***

Use AGRI-FOS 600® for effective control of damping-off and root rot diseases in cotton.

Disease	Application Method	Rate	Application Program
<i>Phytophthora</i> and <i>Pythium</i> spp.	Foliar spray Ground	0.75 to 1.25 quarts in 30 to 50 gallons of water per acre	Apply at crop emergence every 21 days or during wet conditions that favor pathogen development.

\*Not for use in California.

**CUCURBITS**

Use AGRI-FOS 600® for effective control of sudden wilt, gummy stem blight, downy mildew, powdery mildew, *Alternaria* leaf blight, and bottom soft rot complex, and for suppression of Anthracnose in cucurbits grown in field situations 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 ( <i>Phytophthora</i> spp.) <i>Phytophthora</i> blight ( <i>Phytophthora capsici</i> ).	Foliar spray Ground	0.75 – 2.00 quarts per 100 gallons	Entire spray coverage of plant is required. Do not exceed a total of 6 applications per season.
Gummy stem blight ( <i>Mycosphaerella melonis</i> ).		Apply 0.75 quarts per acre in 40 gallons of water <b>(CA only)</b>	Apply when disease is evident. Continue applications at 21 day intervals until cure is apparent. Do not exceed a total of 6 applications per season.
Downy mildew ( <i>Pseudoperonospora cubensis</i> )			Apply within 7 to 10 days of infection. Repeat as necessary. Do not exceed a total of 6 applications per season.
Powdery mildew and other leaf diseases such as Anthracnose and <i>Alternaria</i> leaf blight	Foliar spray Ground	1.25 to 1.75 quarts in 30 gallons of water per acre	<u>Low Disease Pressure:</u> Apply lower rate at first onset of disease. Repeat applications at 1 to 2 week intervals. Do not apply more than 6 times per crop cycle.  <u>High Disease Pressure:</u> Apply higher rate at first onset of disease. Repeat applications at 7 to 10 day intervals. Do not apply more than 6 times per crop cycle.
*Bottom soft rot complex	Foliar spray Ground	1.25 to 1.75 quarts in up to 100 gallons of water per acre	Apply after fruit set and during bulking 3 times during the growing season.

\*Not for use in California.

16/172

**CUCURBITS, TANK MIXTURES\***

For the effective control of downy mildew diseases, tank-mix AGRI-FOS 600® with a mancozeb-containing fungicide and apply to cucurbits.

Product	Disease	Rate Per Acre	Application Program
AGRI-FOS 600® + mancozeb-containing fungicide	Downy mildew	Light to medium foliage cover: Apply 0.75 - 1.25 quarts of product per acre  Heavy foliage cover: Apply 2 quarts of product per acre + Label rate of mancozeb	Apply as a ground foliar spray the indicated quantity and dilution rates with water of both products.  For best results apply AGRI-FOS 600® as a tank mix with protectant fungicides such as mancozeb, copper oxychloride, etc., to ensure both pre- and post-infection activity.

\*Not for use in California.



17/72

**FRUITING VEGETABLES\***

Use AGRI-FOS 600® for effective control of damping-off, root rot, gummy stem blight diseases, bacterial diseases, downy mildew, powdery mildew, and *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
Eggplant: <i>Pythium</i> and <i>Phytophthora</i> spp., and Gummy stem blight ( <i>Mycosphaerella melonis</i> )	Foliar spray Ground	Apply 0.75 quarts per acre in 40 gallons 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 and root rot ( <i>Phytophthora infestans</i> and <i>Phytophthora</i> spp.)		0.75 quarts per acre in 25 gallons of water to 1.25 quarts per acre in 250 gallons of water	First application at transplant or when direct seeded crops are at 2-4 true leaf, then at one to two week intervals as required to control disease. In high disease situations use higher rates and shorter spray intervals.
Tomatoes/Tomatillos: Late blight and root rot ( <i>Phytophthora infestans</i> and <i>Phytophthora</i> spp.)		1 quarts per acre in 25 gallons of water to 1.25 quarts per acre in 250 gallons of water  California: 0.75 quarts per acre in 90 gallons of water	First application at transplant or when direct seeded crops are at 2-4 true leaf, then at one to two week intervals as required to control disease. In high disease situations use higher rates and shorter spray intervals.
Root rot and damping off ( <i>Phytophthora</i> spp. and <i>Pythium</i> spp.)	Foliar spray Aerial	0.75 to 1 quarts in 10 gallons of water per acre	Begin application after plants are established and conditions favor disease development.
	Foliar spray Ground	0.75 to 1.25 quarts in 30 gallons of water per acre	<u>Low Disease Pressure:</u> Apply lower rate at 1 to 2 week intervals. Do not apply more than 6 times per crop cycle.
Bacterial diseases	Pre-plant seedling nursery treatment	0.75 quart in 100 gallons of water to nursery plants in seedling trays 1 to 7 days prior to out planting	<u>High Disease Pressure:</u> Apply higher rate at 7 to 10 day intervals. Do not apply more than 6 times per crop cycle.
	Transplant and furrow application	2 pints at planting or to newly planted seedlings by side dressing or shank application	For control of bacterial leaf spot of tomatoes, apply the high rate of AGRI-FOS 600® with registered bactericides.

18/72

	Chemigation Overhead	0.75 to 1.25 quarts in 1000 gallons of water per acre	Apply with normal irrigation schedule.  <u>Low Disease Pressure:</u> Apply lower rate at 1 to 2 week intervals. Do not apply more than 6 times per crop cycle.  <u>High Disease Pressure:</u> Apply higher rate at 7 to 10 day intervals. Do not apply more than 6 times per crop cycle.
	Chemigation Low volume	1.25 to 2 quarts in 100 gallons of water per acre	
Downy mildew	Foliar spray Aerial	0.75 to 1 quarts in 10 gallons of water per acre	<u>Low Disease Pressure:</u> Apply lower rate at first onset of disease. Repeat applications at 1 to 2 week intervals. Do not apply more than 6 times per crop cycle.  <u>High Disease Pressure:</u> Apply higher rate at first onset of disease. Repeat applications at 7 to 10 day intervals. Do not apply more than 6 times per crop cycle.
	Foliar spray Ground	0.75 to 1.25 quarts in 30 gallons of water per acre	
Powdery mildew and other leaf diseases such as Anthracnose and <i>Alternaria</i> leaf blight	Foliar spray Aerial	0.75 to 1 quarts in 10 gallons of water per acre	<u>Low Disease Pressure:</u> Apply lower rate at first onset of disease. Repeat applications at 1 to 2 week intervals. Do not apply more than 6 times per crop cycle.  <u>High Disease Pressure:</u> Apply higher rate at first onset of disease. Repeat applications at 7 to 10 day intervals. Do not apply more than 6 times per crop cycle.
	Foliar spray Ground	0.75 to 1.25 quarts in 30 gallons of water per acre	

\*Use in California limited to control of late blight and root rot in tomatoes and tomatillos.

**GRAPES\***

Use AGRI-FOS 600® for effective control of root rot, downy mildew, and powdery mildew diseases in grapes.

Disease	Application Method	Rate	Application Program
Downy mildew ( <i>Plasmopara viticola</i> )	Foliar spray Ground	Early season small canopy, 0.75 quarts per acre in 100 gallons water  Late season/large canopy, 1.25 quarts per acre in 150 gallons water to 1.75 quarts per acre in 200 gallons water	It is essential that the rate of AGRI-FOS 600® be adjusted to the vine-row volume, i.e., the volume of vine foliage per acre. Spray timing is critical. Apply AGRI-FOS 600® 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 600® is applied to match vine growth, particularly from mid-season onwards, and especially where grapes are grown on root stock.
<i>Phytophthora</i> and <i>Pythium</i> root rots	Foliar spray Ground	1 to 1.25 quarts in 50 gallons of water per acre	Apply to vines that have stressed root system that can lead to root rots. Mitigating factors such as nematode pressure, water logging, and compaction contribute to vine declines.  Table Grapes: Begin application in the Spring at the 4 to 6 inch shoot stage. Continue applications at 1 to 2 week intervals until flowering. Resume applications in the Fall after harvest. Do not apply more than 4 times per crop cycle.  Wine and Raisin Grapes: Begin applications in the Spring at the 4 to 6 inch shoot stage. Continue applications at 1 to 2 week intervals through flowering. Do not apply more than 4 times per crop cycle.

20/  
72

Downy mildew ( <i>Plasmopara viticola</i> )	Foliar spray Ground	1 to 1.25 quarts in 50 gallons of water per acre  AGRI-FOS 600® 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 crop cycle.
Powdery mildew ( <i>Uncinula necator</i> )	Foliar spray Ground	1.25 to 1.75 quarts in 30 gallons of water per acre	<u>Low Disease Pressure:</u> Apply lower rate at first onset of disease. Repeat applications at 1 to 2 week intervals. Do not apply more than 6 times per crop cycle.  <u>High Disease Pressure:</u> Apply higher rate at first onset of disease. Repeat applications at 7 to 10 day intervals. Do not apply more than 6 times per crop cycle.

\*Use in California limited to control of downy mildew

**GRAPES, TANK MIXTURES\***

For the effective control of downy mildew diseases, tank-mix AGRI-FOS 600® with a mancozeb-containing fungicide and apply to grapes.

Product	Disease	Rate Per Acre	Application Program
AGRI-FOS 600® + mancozeb-containing fungicide	Downy mildew	Early season small canopy, 0.75 quarts per acre in 100 gallons water  Late season/large canopy, 1.25 quarts per acre in 150 gallons water to 1.75 quarts per acre in 200 gallons water + Label rate of mancozeb	Apply as a foliar spray the indicated quantity and dilution rates with water of both products.  For best results apply AGRI-FOS 600® as a tank mix with protectant fungicides such as mancozeb, copper oxychloride, etc., to ensure both pre- and post-infection activity.

\*Not for use in California.

**HERBS AND SPICES\***

Use AGRI-FOS 600® for effective control of Downy mildew, *Phytophthora* spp and *Pythium* spp. diseases of herbs and spices grown in fields, nurseries and greenhouses. Apply AGRI-FOS 600® to plants such as, but not limited to, Anise, Balm, Basil, Chamomile, Caraway, Catnip, Celery, Chives, Coriander, Cumin, Curry Leaf, Dill, Fennel, Marjoram, Mint, Nasturtium, Rosemary, Sage, Savory, Sweet Bay, Tarragon, Thyme, and Wintergreen.

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.

21/72

Disease	Application Method	Rate	Application Program
Downy Mildew	Foliar spray Ground	0.75 to 1.75 quarts per 100 gallons of water Or 0.25 to 0.50 fl. oz. per gallon of water	Apply spray to thoroughly wet all foliage. Application intervals: 14 to 21 days. Repeat as required.
<i>Phytophthora</i> spp. and <i>Pythium</i> spp.	Foliar spray Ground	0.75 to 1.25 quarts per 100 gallons of water Or 1.50 to 2.50 tsp. per gallon of water	Apply spray to thoroughly wet all foliage. Application intervals: 14 to 21 days. Repeat as required. Note do not apply more than 500 gallons of spray solution per acre.
	Soil drench	4 to 8.25 fl. oz. per 100 gallons of water	Apply each 25 gallons of solution to an area of 100 square feet. Follow application with irrigation. Repeat as required. Limit of one application per month.

\*Not for use in California.

**HOPS\***

Use AGRI-FOS 600® for effective control of downy mildew in hops:

Disease	Application Method	Rate	Application Program
Downy mildew	Foliar spray by ground equipment only.	0.75 – 2.00 quarts per 100 gallons of water per acre	When conditions favor disease, apply when A. Shoots are ½ 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 600® for effective control of root rot, damping-off, downy mildew, powdery mildew, and other fungal leaf diseases, and for suppression of Anthracnose in leafy vegetables such as, but not limited to, amaranth, arugula, cardoon, celery, chervil, chrysanthemum, corn salad, cress, dandelion, dock, endive, fennel, lettuce, orach, parsley, purslane, radicchio, rhubarb, spinach, and Swiss chard. Excludes Brassica vegetables.

Disease	Application Method	Rate	Application Program
Downy mildew ( <i>Bremia lactucae</i> )	Foliar spray Ground	0.75 to 1.25 quarts in 30 gallons of water per acre	<u>Ensure spray coverage is adequate to wet whole plant.</u>  <u>High Disease Pressure:</u> During warm, wet conditions, repeat applications at 7 to 10 intervals, if needed.

Root rots and damping off ( <i>Phytophthora</i> and <i>Pythium</i> spp.)	Foliar spray Ground	Apply 0.75 to 1.25 quarts in 40 gallons of water per acre	Begin application after plants are established and conditions favor disease development.
	Pre-plant nursery application	0.75 quart in 100 gallons of water to nursery plants in seedling trays 1 to 7 days prior to out planting	<u>Low Disease Pressure:</u> Apply lower rate at 1 to 2 week intervals. Do not apply more than 6 times per crop cycle.  <u>High Disease Pressure:</u> Apply higher rate at 7 to 10 day intervals. Do not apply more than 6 times per crop cycle.
	Chemigation Overhead	Apply 0.75 to 1.25 quarts per acre in a minimum of 1000 gallons per acre of water	Apply with normal irrigation schedule.  <u>Low Disease Pressure:</u> Apply lower rate at 1 to 2 week intervals. Do not apply more than 6 times per crop cycle.  <u>High Disease Pressure:</u> Apply higher rate at 7 to 10 day intervals. Do not apply more than 6 times per crop cycle.
	Chemigation Low volume	Apply 0.75 to 1.25 quarts per acre in a minimum of 100 gallons per acre of water	<u>High Disease Pressure:</u> Apply higher rate at 7 to 10 day intervals. Do not apply more than 6 times per crop cycle.
	Transplant and furrow application	2 pints at planting or to newly planted seedlings by side dressing or shank application	
Powdery mildew and leaf diseases such as Anthracnose ( <i>Collectotrichum</i> spp.), leaf blights ( <i>Septoria</i> and <i>Cercospora</i> spp.), and bacterial rots ( <i>Erwinia</i> spp.)	Foliar spray Ground	1 to 1.25 quarts in a 30 gallons of water per acre	<u>Low Disease Pressure:</u> Apply lower rate at first onset of disease. Repeat applications at 1 to 2 week intervals. Do not apply more than 6 times per crop cycle.  <u>High Disease Pressure:</u> Apply higher rate at first onset of disease. Repeat applications at 7 to 10 day intervals. Do not apply more than 6 times per crop cycle.

\*Use in California limited to control of downy mildew in lettuce.

**LEGUMES\***

Use AGRI-FOS 600® for effective control of damping-off, root rot, *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, kidney beans, pinto bean, 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
<i>Phytophthora</i> and <i>Pythium</i> spp.	Foliar spray	1 to 1.75 quarts in 30 gallons of water per acre	Begin application after plants are established and conditions favor disease development.
<i>Fusarium</i> and <i>Rhizoctonia</i>	Pre-plant nursery application	0.75 quart in 100 gallons of water to nursery plants in seedling trays 1 to 7 days prior to out planting	<u>Low Disease Pressure:</u> Apply lower rate at 1 to 2 week intervals. Do not apply more than

	Transplant and furrow application	2 pints at planting or to newly planted seedlings by side dressing or shank application	6 times per crop cycle. <u>High Disease Pressure:</u> Apply higher rate at 7 to 10 day intervals. Do not apply more than 6 times per crop cycle.
Downy mildew	Foliar spray Ground	0.75 to 2 quarts in 30 gallons of water per acre	<u>Low Disease Pressure:</u> Apply lower rate at the first onset of the disease. Repeat applications at 1-2 week intervals. Do not apply more than 6 times per crop cycle.  <u>High Disease Pressure:</u> Apply higher rate at the first onset of the disease. Repeat applications at 7-10 day intervals. Do not apply more than 6 times per crop cycle.
Powdery mildew and leaf diseases such as Anthracnose ( <i>Colletotrichum</i> spp.), leaf blights ( <i>Septoria</i> and <i>Cercospora</i> spp.), and bacterial rots ( <i>Erwinia</i> spp.)	Foliar spray Ground	1.25 to 1.75 quarts in 30 gallons of water per acre	<u>Low Disease Pressure:</u> Apply lower rate at the first onset of the disease. Repeat applications at 1 to 2 week intervals. Do not apply more than 6 times per crop cycle.  <u>High Disease Pressure:</u> Apply higher rate at the first onset of the disease. Repeat applications at 7 to 10 day intervals. Do not apply more than 6 times per crop cycle.

\*Not for use in California.

**MANGOS**

Use AGRI-FOS 600® for suppression of Anthracnose in mangos.

Disease	Application Method	Rate	Application Program
Anthracnose ( <i>Colletotrichum gloeosporoides</i> )	Foliar spray	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.

24/  
72

**MISCELLANEOUS CROPS\***

Use AGRI-FOS 600® for effective control of damping-off, root rot, downy mildew, powdery mildew, and other bacterial and leaf diseases, and for suppression of Anthracnose in coffee, okra, papaya, and persimmon.

Disease	Application Method	Rate	Application Program
Bacterial and leaf diseases such as coffee berry disease ( <i>Collectotrichum</i> spp.), Anthracnose ( <i>Collectotrichum</i> spp.), and various leaf spots ( <i>Septoria</i> and <i>Cercospora</i> spp.)	Foliar spray Aerial	0.75 to 1.25 quarts in 10 gallons of water per acre	Begin application after plants are established and conditions favor disease development.
	Foliar spray Ground	0.75 to 1.25 quarts in 100 gallons of water per acre	<u>Low Disease Pressure:</u> Apply lower rate at 1 to 2 week intervals. Do not apply more than 6 times per crop cycle.  <u>High Disease Pressure:</u> Apply higher rate at 7 to 10 day intervals. Do not apply more than 6 times per crop cycle.
	Root dip	Mix a 0.25% v/v solution (0.25 fl. oz. with 1 gallon of water)	Apply as pre-plant dip to transplants immediately prior to planting. Dip plants momentarily and plant within 48. Mix a fresh solution daily.
	Chemigation Overhead	1.25 to 2 quarts in 1000 gallons of water per acre	Apply with normal irrigation schedule.
	Chemigation Low volume	1.25 to 2.5 quarts in 100 gallons of water per acre	<u>Low Disease Pressure:</u> Apply lower rate at 1 to 2 week intervals. Do not apply more than 6 times per crop cycle.
	Transplant and furrow application	2 pints at planting or to newly planted seedlings by side dressing or shank application	<u>High Disease Pressure:</u> Apply higher rate at 7 to 10 day intervals. Do not apply more than 6 times per crop cycle.
Downy mildew	Foliar spray Aerial	0.75 to 2 quarts in 10 gallons of water per acre	<u>Low Disease Pressure:</u> Apply lower rate at the first onset of the disease. Repeat applications at 1 to 2 week intervals. Do not apply more than 6 times per crop cycle.
	Foliar spray Ground	0.75 to 2 quarts in 100 gallons of water per acre	<u>High Disease Pressure:</u> Apply higher rate at the first onset of the disease. Repeat applications at 7 to 10 day intervals. Do not apply more than 6 times per crop cycle.
Powdery mildew	Foliar spray Aerial	0.75 to 2 quarts in 10 gallons of water per acre	<u>Low Disease Pressure:</u> 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
	Foliar spray Ground	0.75 to 2 quarts in 100 gallons of water per acre	



			per crop cycle. <u>High Disease Pressure:</u> Apply higher rate at the first onset of the disease. Repeat applications at 7 to 10 day intervals. Do not apply more than 6 times per crop cycle.
<i>Pseudomonas garcae</i>	Foliar spray Ground	Mix a 0.50% v/v solution (1.25 quart per 100 gallons of water)	Apply prior to onset of disease. Apply spray to saturation or runoff.

\*Not for use in California.

**NONGRASS ANIMAL FEED\***

Use AGRI-FOS 600® 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
<i>Phytophthora</i> and <i>Pythium</i> spp.	Foliar spray	0.75 to 1.25 quarts in 30 to 50 gallons of water per acre	Apply at 14-day intervals after plant emergence, as needed. Assure good coverage.

\*Not for use in California.

**ONIONS**

Use AGRI-FOS 600® 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 ( <i>Peronospora destructor</i> )	Foliar spray Ground	1.25 quarts per acre in 100 gallons water per acre	As a regular preventative control program or when disease first appears.

**ONIONS, TANK MIXTURES\***

For the effective control of downy mildew diseases, tank-mix AGRI-FOS 600® with a mancozeb-containing fungicide and apply to onions, garlic and shallots.

Product	Disease	Rate Per Acre	Application Program
AGRI-FOS 600® + mancozeb-containing fungicide	Downy mildew	1.25 quarts per acre in 100 gallons water per acre + Label rate of mancozeb	Apply as a foliar spray the indicated quantity and dilution rates with water of both products.  For best results, apply AGRI-FOS 600® as a tank mix with protectant fungicides such as mancozeb to ensure both pre- and post-infection activity.

\*Not for use in California.

26/  
72

**PEANUTS\***

Use AGRI-FOS 600® for effective control of damping-off and root rot disease and for suppression of Anthracnose in peanuts.

Disease	Application Method	Rate	Application Program
Root rots, pod rots, damping off, wilt ( <i>Phytophthora</i> and <i>Pythium</i> spp.)	Foliar spray	1.25 to 1.75 quarts in 100 gallons of water per acre	Begin application, after plants are established and conditions favor disease development.
Leaf and crown diseases, Anthracnose ( <i>Collectothricum</i> )	Transplant and furrow application	2 pints at planting or to newly planted seedlings by side/top dressing or shank application	<p><u>Low Disease Pressure:</u> Apply lower rate at 1 to 2 week intervals. Do not apply more than 6 times per crop cycle.</p> <p><u>High Disease Pressure:</u> Apply higher rate at 7 to 10 day intervals. Do not apply more than 6 times per crop cycle.</p>

\*Not for use in California.

**PINEAPPLES**

Use AGRI-FOS 600® for effective control of *Phytophthora* root and heart rot diseases in pineapples.

Disease	Application Method	Rate	Application Program
Phytophthora root and heart rot ( <i>Phytophthora cinnamomi</i> and <i>parasitica</i> spp)	Foliar spray	1.75 quarts in 25 - 50 gallons water per acre	Apply to tops, 14 days prior to harvest of planting material.
	Pre-plant dip	0.75 quarts in 100 gallons water	Will treat enough slips to plant one acre.
	Foliar spray	1.25 quarts in 100 gallons water	Established plantings when conditions favor disease. Apply at 90 day intervals. Ensure thorough coverage of plants.

**POTATOES, POST-HARVEST\***

Use AGRI-FOS 600® only on russet-skinned potatoes intended for processing for suppression of late blight (*Phytophthora infestans*), pink rot (*Phytophthora erythroseptica*), and powdery mildew. Apply 16.5 fl. oz. of AGRI-FOS 600® per ton of tubers in one half gallon of water as a mist spray. For the best control, be sure the tubers are completely and evenly covered.

Disease	Application Method	Rate	Application Program
Potatoes, Post-harvest; Late blight ( <i>Phytophthora infestans</i> ) and pink rot ( <i>Phytophthora erythroseptica</i> )	Spray on tubers	16.5 fl.oz in ½ gallon of water/ton of tubers	Apply only to russet-skinned potatoes intended for processing. For best results, be sure tubers are thoroughly and evenly covered.
Late blight ( <i>Phytophthora infestans</i> ) and pink rot ( <i>Phytophthora erythroseptica</i> )	Foliar spray Ground	1.25 to 1.75 quarts in 50 gallons of water per acre	Begin application after plants are established and conditions favor disease development.  <u>Low Disease Pressure:</u> Apply lower rate at 1 to 2 week intervals. Do not apply more than 6 times per crop cycle.  <u>High Disease Pressure:</u> Apply higher rate at 7 to 10 day intervals. Do not apply more than 6 times per crop cycle.  Late blight management using AGRI-FOS 600® requires the high application rate and is most effectively applied when tank mixed with other registered fungicides.
	Seed piece spray	Mix a 15% v/v solution (0.25 quart with 2 quarts of water). Treat 2 tons of tubers per 1 gallon of solution	Treat seed pieces with a full coverage spray.
Powdery mildew	Foliar spray Ground	0.75 to 2 quarts in 50 gallons of water per acre	<u>Low Disease Pressure:</u> Apply lower rate at the first onset of the disease. Repeat applications at 1 to 2 week intervals. Do not apply more than 4 times per crop cycle.  <u>High Disease Pressure:</u> Apply higher rate at the first onset of the disease. Repeat applications at 7 to 10 day intervals. Do not apply more than 4 times per crop cycle.

\*Not for use in California

\*Not for use in California.

**ROOT AND TUBER VEGETABLES**

Use AGRI-FOS 600® for effective control of foliar and root rot in ginseng, damping-off and root rot diseases in carrots, late blight disease and storage diseases such as pink rot and *pythium* leak, and downy mildew in potatoes, sweet potatoes, and yams.

Disease	Application Method	Rate	Application Program
*Ginseng: Foliar and root rot ( <i>Phytophthora cactorum</i> )	Foliar spray Ground	1.75 quarts in 100 gallons of water	In cool wet conditions that favor <i>Phytophthora</i> . Apply at 7 day intervals.  Do not exceed a total of 8 applications per season.
Carrots: <i>Phytophthora</i> and <i>Pythium</i> spp.	Foliar spray Ground	1 quart per acre in 25 gallons of water to 1.25 quarts per acre in 250 gallons of water	Apply at 14-day intervals after plant emergence, as needed. Assure good coverage.
Potatoes, Sweet Potatoes, Yams: Pink rot and <i>Pythium</i> leak ( <i>Phytophthora erythroseptica</i> and <i>Pythium</i> spp.)	In-furrow spray	1.25 - 3.25 quarts per acre in 10 gallons water	Apply in a band spray directly over top of potato seed just before row is closed.
Potatoes, Sweet Potatoes, Yams: Late blight, Pink rot and <i>Pythium</i> leak ( <i>Phytophthora infestans</i> , <i>Phytophthora erythroseptica</i> and <i>Pythium</i> spp.)	Foliar spray Ground	0.75 quarts per acre in 90-375 gallons water per acre	Apply at 5 to 14 day intervals subject to disease incidence.
*Downy mildew	Foliar spray Aerial  Foliar spray Ground	0.75 to 2 quarts in 10 gallons of water per acre  0.75 to 2 quarts in 30 gallons of water per acre	<u>Low Disease Pressure:</u> Apply lower rate at the first onset of the disease. Repeat applications at 1 to 2 week intervals. Do not apply more than 6 times per crop cycle.  <u>High Disease Pressure:</u> Apply higher rate at the first onset of the disease. Repeat applications at 7 to 10 day intervals. Do not apply more than 6 times per crop cycle.

29/72

**STONE FRUIT\***

Use AGRI-FOS 600® for effective control of root, collar rot, almond pruning wound, and various canker disease in stone fruit such as, but not limited to, apricots, sweet and tart cherries, nectarines, peaches, plums, and fresh prunes.

Disease	Application Method	Rate	Application Program
Root and collar rot ( <i>Phytophthora</i> spp.)	Foliar spray  Basal bark spray, apply in spring and fall	1.75 quarts per acre in 250 gallons water  40.5 fl. oz. + 62.5 fl. oz. of water + 3.25 fl. oz. Supa Stik PN Bark Penetrating Surfactant	Three treatments are required 1. Spring 2. Mid summer 3. Fall, post harvest  Spray a combination of AGRI-FOS 600® and Supa Stik PN-Bark around the complete circumference of the tree trunk until saturation/runoff. Spray from ground level up to 5 feet above the soil line, including the base of the first scaffolding limbs, if present. Treat in spring and fall for best results.
Almond pruning – wound cankers ( <i>Phytophthora syringae</i> )	Paint or spray	0.75 -1.75 quarts in 100 gallons water	Apply to pruning wound and surrounding area, ensure area is thoroughly wet. In high disease situations use higher rate.
Suppression of <i>Armillaria</i> root rot ( <i>Armillaria luteobublina</i> )	Basal bark spray	1 to 1.25 quarts + 2 quarts water + 1% Supa Stik PN Bark Penetrating Surfactant	Spray a combination of AGRI-FOS 600® and Supa Stik PN around the complete circumference of the tree trunk until saturation/runoff. Spray from ground level up to 5 feet above the soil line, including the base of the first scaffolding limbs, if present. For large trees larger than 18 inches DBH (Diameter at Breast Height, 4.5 feet above ground) that have been previously attacked by <i>Armillaria</i> root rot, make a fall application prior to leaf senescence and a spring application for best results. For trees less than 18 inches DBH, make an early spring application.

\*Not for use in California.

30/72

**STRAWBERRIES\***

Use AGRI-FOS 600® for effective control of leather rot, red stele, *Phytophthora*, foliar and bacterial disease in strawberries and suppression of powdery mildew.

Disease	Application Method	Rate	Application Program
<p><i>Phytophthora</i> and <i>Pythium</i> spp. (red steele, leather rot, and root rot).</p> <p>Foliar fungal and bacterial diseases (<i>Rhizopus</i> and <i>Xanthomonas</i>)</p>	<p>Pre-planting dip</p> <p>Foliar spray Ground</p> <p>Transplant and furrow application</p>	<p>0.75 quarts in 100 gallons water</p> <p>0.75 to 2 quarts in 50 to 100 gallons of water per acre</p> <p>2 pints at planting or to newly planted seedlings by side dressing or shank application</p>	<p>Dip planting material in this solution for 30 minutes, then plant within one day. Use program for annual and perennial varieties.</p> <p>Annual crops, first treatment 14 to 21 days post planting, repeat at 1-2 month intervals when disease is evident.</p> <p>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.</p> <p>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.</p> <p>Grey mold and Anthracnose suppression using AGRI-FOS 600® requires use of high application rates and is most effective when tank mixed with other registered fungicides.</p>
<p><i>Phytophthora</i> spp.</p>	<p>Dip</p>	<p>Mix a 0.25% v/v solution (0.75 quart in 100 gallons of water)</p>	<p>Dip runners in the solution for 1 to 2 minutes. Plant within 48 hours. Mix a fresh solution daily.</p>

Suppression of powdery mildew	Foliar spray Ground	1.25 to 1.75 quarts in 50 gallons of water per acre	<p><u>Low Disease Pressure:</u> Apply lower rate at the first onset of the disease. Repeat applications at 1 to 2 week intervals. Do not apply more than 6 times per crop cycle.</p> <p><u>High Disease Pressure:</u> Apply higher rate at the first onset of the disease. Repeat applications at 7 to 10 day intervals. Do not apply more than 6 times per crop cycle.</p>
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\*Use in California limited to control of red stele, leather rot, and root rot.

**TREE NUTS\***

Use AGRI-FOS 600® 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, pistachios, and walnuts.

Disease	Application Method	Rate	Application Program
Other than macadamia nuts: Root and collar rot ( <i>Phytophthora</i> spp)	Foliar spray Ground	0.75 quarts per acre in 125 gallons water	Three treatments are required 1. Spring 2. Mid summer 3. Fall, post harvest
Other than macadamia nuts: Almond pruning – wound canker ( <i>Phytophthora syringae</i> )	Paint or spray	1.75 quarts in 100 gallons water	Apply to pruning wound and surrounding area, ensure area is thoroughly wet.
Macadamia nuts: Raceme blight ( <i>Phytophthora</i> spp.)	Foliar spray Ground	2.5 quarts per acre in 250 gallons of water	Apply when disease is first seen and reapply at 3 week intervals.  Spray to the point of run-off.
Root rot, crown rot, trunk cankers, foliar blights ( <i>Phytophthora</i> and <i>Pythium</i> spp.)	Foliar spray Ground	1.25 to 1.75 quarts in 100 gallons of water per acre	Begin application after plants are established and conditions favor disease development.  <u>Low Disease Pressure:</u> Apply lower rate at 3 month intervals. Do not apply more than 4 times per crop cycle.  <u>High Disease Pressure:</u> Apply higher rate at monthly intervals. Do not apply more than 4 times per crop cycle.
	Root dip	Mix a 0.5% v/v solution (1.25 quarts in 100 gallons of water)	Dip roots in the solution for 30 seconds. Plant within 48 hours. Mix a fresh solution daily.

Pecan scab	Foliar spray Ground	1.25 quarts in 50 to 100 gallons of water per acre	Apply preventatively with other products shown to be effective against pecan scab.
Pruning wound, crown and trunk cankers ( <i>Phytophthora</i> spp.)	Trunk spray	1.25 quarts + 2 quarts of water + 1% Supa Stik PN Bark Penetrating Surfactant	Apply higher rate when lesions are present. Clean wound sites and apply on and around the lesions using enough spray volume to thoroughly wet the lesions. Apply to the trunk from the soil line to 5 feet up the trunk. Apply one time in the Spring, Summer, and Fall.
Downy mildew ( <i>Phytophthora</i> and <i>Peronospora</i> spp.)	Foliar spray Aerial	0.75 to 1.25 quarts in 20 gallons of water per acre	<u>Low Disease Pressure:</u> Apply lower rate at first onset of disease. Repeat applications at 1 to 2 week intervals. Do not apply more than 6 times per crop cycle.
Powdery mildew	Foliar spray Ground	0.75 to 1.25 quarts in 100 gallons of water per acre	<u>High Disease Pressure:</u> Apply higher rate at first onset of disease. Repeat applications at 7 to 10 day intervals. Do not apply more than 6 times per crop cycle.
Tree cankers	Basal bark spray	1 to 1.25 quarts + 2 quarts water + 1% Supa Stik PN Bark Penetrating Surfactant	Spray a combination of AGRI-FOS 600® and Supa Stik PN around the complete circumference of the tree trunk until saturation/runoff. Spray from ground level up to 5 feet above the soil line, including the base of the first scaffolding limbs, if present. For large trees larger than 18 inches DBH (Diameter at Breast Height, 4.5 feet above ground) that have been previously attacked by <i>Armillaria</i> root rot, make a fall application prior to leaf senesce and a spring application for best results. For trees less than 18 inches DBH, make an early spring application.

\*Not for use in California.



**SEED TREATMENT APPLICATIONS\***

Use AGRI-FOS 600® for effective control of *Phytophthora* and *Pythium* diseases on agricultural crop seeds from crops listed elsewhere on this label. Do not use treated seed for food, feed, or oil. Dye used to color treated seed must be an EPA approved dye (refer to 40 CFR 153-155 (c)). Seed treatment on agricultural establishment in hopper-box, planter box, or other seed treatment application at or immediately before planting is within the scope of WPS, while commercial treatment of seeds is not within the scope of WPS.

Disease	Application Method	Rate
<i>Phytophthora</i> , <i>Pythium</i> and <i>Fusarium</i> spp.	Can be applied at-planting or in commercial seed treatment operations	5.25 - 15.5 fl. oz. AGRI-FOS 600® per 100 lbs of seed or 4-10 quarts AGRI-FOS 600® per ton of seed, depending on the size of the seeds to be treated

\*Not for use in California.

**GRASS GROWN FOR SEED PRODUCTION\***

Use AGRI-FOS 600® for effective control of damping-off and root rot diseases in turf grasses such as, but not limited to, Bermuda, fescue, bent, blue, rye, zoysia, buffalo, and poa annua.

Disease	Application Method	Rate	Application Program
<i>Phytophthora</i> and <i>Pythium</i> spp.	Foliar spray	1 quarts per acre in 25 gallons of water to 1.25 quarts per acre in 250 gallons of water	Apply at 14-21 day intervals, as necessary. Ensure thorough coverage.

\*Not for use in California.

**LANDSCAPE, GOLF COURSE, NURSERY, FORESTRY, AND PARK APPLICATIONS\***

Use AGRI-FOS 600® for effective control of *Phytophthora* and *Pythium* and other diseases associated with Stem and Canker Blight (Sudden Oak Death, *Phytophthora ramorum*), Beech Decline, and general tree decline syndromes, and for suppression of Anthracnose and *Verticillium* wilt in landscapes, nurseries, golf courses, forests, and parks. Apply AGRI-FOS 600® to trees such as, but not limited to, Ash, Azalea, Beech, Black Locust, Buckeye, Catalpa, Cedar, Cherry – Stonefruits, Chestnut, Coffee Tree, Crab Apple, Cork Tree, Dogwood - All, Elder, Elm, Fir, Hawthorne, Honey Locust, Juniper, Lilac, Linden, Magnolia, Maples – All, Pine, Oaks – All, Olives, Ornamental Pear, Plum, Pyracantha, RedBud, Smoke Tree, Sumac, Sweet Birch, Sweet Gum, Sycamore, Viburnum, White Pine, White Cedar, and Willow.

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

Disease	Application Method	Rate	Application Program
<p><i>Phytophthora</i> and <i>Pythium</i> spp., and <i>Phytophthora ramorum</i></p>	<p>Injection</p>	<p>7.25 fl. oz. per 21 fl. oz. of water Or 1/2 tsp. per tsp. of water</p>	<p>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.</p> <ol style="list-style-type: none"> <li>1) 1 injection per square yard of canopy;</li> <li>2) 1 injection per yard of diameter of canopy measured at the drip-line;</li> <li>3) 1 injection per 6 inches of trunk circumference measured 4 feet above soil level.</li> </ol> <p>Make injections with applicators that maintain positive pressure differential such as ChemJet®, Sidewinder®, Ag-murf Gun®, Marley® Injector, Smart Shot injector, or hydraulic applicator type equipment that forces solution into the sapwood of the tree.</p>
<p><i>Phytophthora</i> and <i>Pythium</i> spp., and <i>Phytophthora ramorum</i></p>	<p>Basal bark spray (all other tree species) apply in spring and fall Best for thin bark trees such as maples, lindens, sycamores, and dogwoods</p>	<p>40.5 fl. oz. + 62.5 fl. oz. of water + 1.5 to 3.0 fl. oz. Supa Stik PN Bark Penetrating Surfactant</p>	<p>Spray a combination of AGRI-FOS 600® and Supa Stik PN around the complete circumference of the tree trunk until saturation/runoff. Spray from ground level up to 5 feet above the soil line, including the base of the first scaffolding limbs, if present. Treat in spring and fall for best results.</p>

<p><i>Fusarium subglutinans</i> (Pine Pitch Canker)</p>	<p>Basal bark spray (pines) apply anytime active growth is observed</p>	<p>0.75 gallon of AGRI-FOS 600® + 2 gallons of water + 4 fl. oz. Supa Stik PN Bark Penetrating Surfactant</p>	<p>Apply uniformly to 5 to 6 feet of trunk circumference. Spray from top down to ground level from either first branch or from as high as possible without exposing applicator to drift. Spray to saturation/runoff. Various types of application equipment can be used such as hydraulic sprayers, handheld pump-type sprayers, and backpack sprayers.</p>
<p><i>Fusarium subglutinans</i> (Pine Pitch Canker) and <i>Gnomonia platani</i> (Sycamore Anthracnose)</p>	<p>Injection</p>	<p>2.5 tsp per tree of a 1 gallon AGRI-FOS 600® + 2 gallons of water solution</p>	<p>Drill holes 3/16 inch (5 mm) in diameter and 1 inch (25 mm) to 2 inches (50 mm) deep with slight downward angle in trunk. Place syringes in the main trunk of the tree and space evenly around the circumference of the trunk. Suitable for use with Chemjet tree injectors, Ag-murf gun, Smart Shot injector, or positive pressure hydraulic tree injection. Trees should be at least 10" diameter at breast height.</p>
<p>Fire blight</p>	<p>Foliar Spray</p>	<p>1½ to 2 quarts per 100 gallons of water</p>	<p>First application pre bloom (bud swell or silver tip stage). Application intervals: 7 days until end of bloom period.  Apply spray to thoroughly wet all foliage.</p>
<p>**Suppression of Anthracnose</p>	<p>Foliar spray Ground</p>	<p>1.25 quarts per 100 gallons of water per acre</p>	<p>Apply at pre bloom (bud swell or green tip stage) with a supplemental application 14 days later with AGRI-FOS 600® or other fungicide compound with efficacy on Anthracnose.</p>

<p>**Suppression of Anthracnose</p>	<p>Basal bark spray apply early spring at bud swell until green tip stage of growth</p>	<p>40.5 fl. oz. + 62.5 fl. oz. of water + 1.5 to 3.0 fl. oz. Supa Stik PN Bark Penetrating Surfactant</p>	<p>Spray a combination of AGRI-FOS 600® and Supa Stik PN<sup>T</sup> around the complete circumference of the tree trunk until saturation/runoff. Spray from ground level up to 5 feet above the soil line, including the base of the first scaffolding limbs, if present—For large trees larger than 18 inches DBH (Diameter at Breast Height, 4.5 feet above ground) that have been previously attacked by Anthracnose, make a fall application prior to leaf senesce and a spring application for best results. For trees less than 18 inches DBH, make an early spring application.</p>
<p>**Suppression of <i>Verticillium</i> wilt</p>	<p>Foliar spray Ground</p>	<p>1.25 quarts in 100 gallons of water per acre</p>	<p>For trees previously identified with infections, apply first application pre-bloom. Repeat applications between 21 to 30 days.</p>
<p>**Suppression of <i>Verticillium</i> wilt</p>	<p>Basal bark spray</p>	<p>1 to 1.25 quarts + 2 quarts of water + 2 fl. oz. Supa Stik PN Bark Penetrating Surfactant</p>	<p>Spray a combination of AGRI-FOS 600® and Supa Stik PN around the complete circumference of the tree trunk until saturation/runoff. Spray from ground level up to 5 feet above the soil line, including the base of the first scaffolding limbs, if present. For large trees larger than 24 inches DBH (Diameter at Breast Height, 4.5 feet above ground) that have been previously attacked by <i>Verticillium</i> wilt, make a fall application prior to leaf senesce and a spring application for best results. For trees less than 24 inches DBH, make an early spring application.</p>
<p>Black spot (<i>Diplocarpon</i> spp.)</p>	<p>Foliar spray Ground</p>	<p>0.75 to 1.25 quarts per 100 gallons of water</p>	<p>Apply uniformly to foliage preventatively or at first sign of disease.</p>

\*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://nature.berkeley.edu/comtf/index.html>. 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 600® for effective control of Bacterial blight, Downy mildew, powdery mildew, *Phytophthora* spp, and *Pythium* spp diseases, and for suppression of Anthracnose of Ornamentals in landscapes, nurseries, golf courses, parks, interiorscapes, and greenhouses. Apply AGRI-FOS 600® to plants such as, but not limited to, Aglaonema, Anthurium, Aphelandra, Arborvitae, Azaleas, Bougainvillea, Boxwood, *Cattelya skinneri*, Ceanothus, Cotoneaster, Cissus, Diffenbachia, English ivy, Eucalyptus, Ficus, Hibiscus, Japanese andromeda, Japanese Holly, Leather leaf Fern, Peperomia, Photinia, Pittosporum, Philodendron, *Pieris*, *Pothos*, Rhododendron, Roses (container, field, landscape, and mini varieties), Schefflera, Sedum, Sempervivum, Syngonium, Spathiphyllum, *Taxus media*, and Zygocactus.

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

Disease	Application Method	Rate	Application Program
Bacterial blight ( <i>Xanthomonas campestris</i> ) pathovars: <i>dieffenbachiae</i> , <i>fici hederiae</i> , and <i>syngonii</i>	Foliar spray Ground	1.25 – 2.50 pints per 100 gallons of water Or 1.25 - 2.50sp. per gallon of water	Apply spray to thoroughly wet all foliage. Application intervals: 7 to 14 days Repeat as required.
Downy mildew	Foliar spray Ground	1 to 1.75 quarts in 100 gallons of water per acre	Apply spray to thoroughly wet all foliage. Application intervals: 14 to 21 days. Repeat as required.
<i>Phytophthora</i> spp., <i>Phytophthora ramorum</i> , and <i>Pythium</i> spp.	Foliar spray Ground	0.75 - 1.25 quarts per 100 gallons of water Or 1.50 – 2.50 tsp. per gallon of water	Apply each 25 gallons of solution to an area of 100 square feet. Follow application with irrigation. Repeat as required. Limit of one application per month. Just prior to potting, mix 1 to 2 pts. of AGRI-FOS 600® into each cubic yard of growing media. If disease pressure is high, apply foliar spray or soil drench. Immediately before transplanting, dip transplants for two minutes, keep roots submerged, ensure root mass is thoroughly wet.
	Soil drench	4 - 8.25 fl. oz. per 100 gallons of water	
	Soil incorporation	0.75 - 1.25 pints per cubic yard of soil	
	Bare rooted dipping of transplants	1.25 pints per 100 gallons of water Or 1.25 tsp. per gallon	
*Powdery mildew	Foliar spray	1 to 1.75 quarts in 50	Low Disease Pressure:

	Ground	gallons of water per acre	Apply lower rate at the first onset of the disease. Repeat applications at 1-2 week intervals.  <u>High Disease Pressure:</u> Apply higher rate at the first onset of the disease. Repeat applications at 7-10 day intervals. Do not apply more than 6 times per crop cycle.  Application amount depends upon plant type, maturity, and application technique/method.
*Suppression of Anthracnose	Foliar spray Ground	1.25 to 1.75 quarts in 50 gallons of water per acre	Apply prior to onset of disease. Apply spray to saturation or runoff.
*Black spot ( <i>Diplocarpon</i> spp.)	Foliar spray Ground	0.75 to 1.25 quarts per 100 gallons of water	Apply uniformly to foliage preventatively or at first sign of disease.

\*Not for use in California

**NURSERY AND BEDDING PLANTS**

Use AGRI-FOS 600® for effective control of Downy mildew, *Phytophthora* spp. and *Pythium* spp. diseases of BEDDING PLANTS grown in landscapes, nurseries and golf courses, parks, interiorscapes, and greenhouses. Apply AGRI-FOS 600® to plants such as, but not limited to, Ageratum, Aglaonema, Algerian Ivy, Anthurium, Aphelandra, Arborvitae, Artemesia, Aster, Azaleas, Begonia, Baby's Breath, Bougainvillea, Boxwood, Caladium, Carnation, *Cattelya skinneri*, Ceanothos, Cissus, Chrysanthemum, Coleus, Columbine, Cotoneaster, Daisy, Delphinium, Dieffenbachia, Dogwood, Easter Lily, English Ivy, Ficus, Foxglove, Gaillardia, Geranium, Gloxinia, Hibiscus, Impatiens, Japanese Holly, Juniper, Lavender, Leather Leaf Fern, Marigold, Monterey Pink, Pansy, Pieris, Peperomia, Petunia, Philodendron, Phlox, Photinia, Pinks, Pittosporum, Poinsettia, Pothos, Primrose, Prostrate Rosemary, Rosemary, Rhododendron, Salvia, Schefflera, Sedum, Sempervivum, Snapdragon, Spathiphyllum, *Taxus media*, Verbena, Vinca, White Cedar, White Pine, Zinnia, and Zygocactus. AGRI-FOS 600® may also be used for Vegetable Transplants grown in Greenhouse, Lathhouse, or Shade house sites.

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

Disease	Application Method	Rate	Application Program
Downy Mildew	Foliar spray Ground	0.75 to 1.75 quarts per 100 gallons of water Or 0.25 to 0.50 fl. oz. per gallon of water	Apply spray to thoroughly wet all foliage. Application intervals: 14 to 21 days. Repeat as required.
<i>Phytophthora</i> spp and <i>Pythium</i> spp.	Foliar spray Ground	0.75 to 1.25 quarts per 100 gallons of water Or	Apply spray to thoroughly wet all foliage. Application

		1.5 to 2.5 tsp. per gallon of water	intervals: 14 to 21 days. Repeat as required. Note do not apply more than 500 gallons of spray solution per acre.
	Soil drench	4 to 8.25 fl. oz. per 100 gallons of water	Apply each 25 gallons of solution to an area of 100 square feet. Follow application with irrigation. Repeat as required. Limit of one application per month
<i>Phytophthora</i> spp*	Foliar spray Ground	1.25 quarts per acre	Apply spray in 20-60 gallons per acre.
<i>Phytophthora</i> spp*	Hand gun	1.25 quarts per 100 gallons of water	Apply spray to thoroughly wet all foliage.

\*Lavender applications.

40/  
72

**CONIFERS IN COMMERCIAL NURSERIES, PLANTATIONS AND FORESTS\*  
(INCLUDING CHRISTMAS TREES)**

Apply AGRI-FOS 600® in conjunction with good cultural management practices for effective control of root rot (*Phytophthora* spp) in CONIFERS including, but not limited to, Pines, Spruce and Douglas Fir. Use higher rate of application when disease pressure is severe. Do not exceed indicated application rates or apply more frequently than stated on label in order to avoid plant injury. Do not apply to CONIFERS that are moisture or heat stressed.

Disease	Application Method	Rate	Application Program
<i>Phytophthora</i> spp.	Foliar spray Ground	0.75 to 1.25 quarts per 100 gallons of water Or 1.5 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	0.75 to 1.25 quarts per 100 gallons of water Or 1.5 to 2.5 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.
	Bare root dipping at transplanting	0.75 quart per 100 gallons of water Or 1.5 tsp. per gallon of water	Immediately before transplanting, dip transplants for two minutes; keep roots submerged and ensure root mass is thoroughly wet.
<i>Fusarium subglutinans</i> (Pine Pitch Canker)	Basal bark spray apply any time active growth is observed	0.75 gallon AGRI-FOS 600® + 2 gallons of water + 4 fl. oz. of Supa Stik PN Bark Penetrating Surfactant	Spray a combination of AGRI-FOS 600® and Supa Stik PN around the complete circumference of the tree trunk until saturation/runoff. Spray from ground level up to 5 feet above the soil line.
<i>Fusarium subglutinans</i> (Pine Pitch Canker)	Injection	2.5 tsp per tree of a 1 gallon AGRI-FOS 600® + 2 gallons of water	Drill holes 3/16 inch (5 mm) in diameter and 1 inch (25 mm) to 2 inches (50 mm) deep with slight downward angle in trunk. Place syringes in the main trunk of the tree and space evenly around the circumference of the trunk. Suitable for use with Chemjet tree injectors, Ag-murf gun, or hydraulic tree injection. Trees should be at least 10" diameter at breast height.

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



41/72

**TURF\***

Use AGRI-FOS 600® for the effective control of *Rhizoctonia spp.*, *Pythium spp.* and damping-off diseases, 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>Disease</b>	<b>Application Method</b>	<b>Rate</b>	<b>Application Program</b>
<i>Pythium spp.</i>	Foliar spray Ground	3.25 to 6.50 fl. oz. per 1000 sq. ft.	Apply indicated quantity of product in 1 to 2 gallons of water per 1000 sq. ft. Ensure foliage is thoroughly wet.  Application intervals: 14-21 days. Repeat as required. Do not irrigate or mow treated areas until spray has completely dried.
Suppression of Anthracnose	Foliar spray Ground	3.25 to 6.50 fl. oz. in 2 gallons of water per 1000 sq. ft.	Apply prior to onset of disease. Apply every 7 to 14 days.
<i>Rhizoctonia</i>	Foliar spray Ground	3.25 to 6.50 fl. oz. in 2 gallons of water per 1000 sq. ft.	Apply prior to onset of disease. Apply every 7 to 14 days.

\*Use in California limited to control of pythium.

42/72

### TURF TANK MIXTURES

For the effective control of summer stress complex caused by a complex of *Rhizoctonia* and *Pythium* diseases, tank-mix AGRI-FOS 600® with Fore® WP [or Protect T/O or mancozeb-containing] fungicide and apply to turf grasses on golf courses, parks, commercial landscapes, commercial turf production, and sod farms.

Product	Disease	Rate per 1000 sq. ft.	Application Program
AGRI-FOS 600® + FORE® WP** [or Protect T/O or mancozeb-containing fungicide]	Summer Stress Complex ( <i>Rhizoctonia</i> and <i>Pythium</i> spp.)	3.25 to 6.50 fl. oz. AGRI-FOS 600® + 4 to 8 fl. oz. FORE® WP** [or Protect T/O or mancozeb-containing fungicide]	Apply indicated quantity of product in 1 to 5 gal. of water per 1000 sq. ft. as a foliar spray. Start as a preventive spray at two-week intervals and repeat as required. Do not irrigate or mow treated areas until spray has completely dried.

\*\*Registered trade mark of Rohm & Haas.

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

#### STORAGE AND DISPOSAL

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

##### PESTICIDE STORAGE:

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

##### PESTICIDE DISPOSAL:

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

##### CONTAINER HANDLING:

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 ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

Containers with a capacity greater than 5 gallons: Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.

Offer for recycling if available or reconditioning if appropriate, or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

43/  
72

### 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.

44/  
72

**Sub-label B – Residential Uses**

**AGRI-FOS 600®**

**FOR RESIDENTIAL USE ONLY**

SYSTEMIC FUNGICIDE FOR THE EFFECTIVE CONTROL OF VARIOUS PLANT DISEASES INCLUDING BLACK SPOT OR SCAB IN APPLE, ROOT ROT IN AVOCADO, BUD ROT AND NUT FALL IN COCONUT, ROOT ROT IN CITRUS AND CUCURBITS, DOWNY MILDEW IN CUCURBITS, GRAPE, LETTUCE, AND ONION, ANTHRACNOSE IN MANGO, ROOT AND HEART ROT IN PINEAPPLE, LATE BLIGHT IN POTATO, ROOT AND COLLAR ROT IN STONEFRUIT, LEATHER ROT AND *PHYTOPHTHORA* DISEASES IN STRAWBERRY, LATE BLIGHT IN TOMATO, DOWNY MILDEW, *PHYTOPHTHORA* & *PYTHIUM* IN ORNAMENTALS, INTERIORSCAPES, BEDDING PLANTS, VEGETABLE TRANSPLANTS, AND HERBS AND SPICES, *PHYTOPHTHORA* AND *FUSARIUM* IN CONIFERS, *PYTHIUM* IN TURF AND LAWNS IN ALL AREAS, AND *PHYTOPHTHORA* AND *PYTHIUM* DISEASES ASSOCIATED WITH STEM AND CANCKER BLIGHT (SUDDEN OAK DEATH) AND GENERAL BEECH DECLINE AND VARIOUS TREE STEM CANCKERS AND PHLOEM CANCKERS.

[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.....	100.00%

\*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-  
EPA Est. No.

Manufactured for:  
**LIQUID FERTILISER PTY. LTD. (Trading as Agrichem)**  
2 Hovey Road  
Yatala, Queensland 4207  
Australia  
785-542-2577.

Batch No.:

Date of Manufacture:

Net Contents: 1 pt., 1 qt., 1 gal., 2.5 gal. or 5 gal.

45/  
72

<b>FIRST AID</b>	
<b>IF SWALLOWED:</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice</li> <li>• Have person sip a glass of water if able to swallow</li> <li>• Do not induce vomiting unless told to do so by a poison control center or doctor</li> <li>• Do not give anything to an unconscious person</li> </ul>
<b>IF IN EYES:</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye</li> <li>• Call a poison control center or doctor for treatment advice</li> </ul>
<b>IF ON SKIN OR CLOTHING:</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes</li> <li>• Call a poison control center or doctor for treatment advice</li> </ul>
<b>IF INHALED:</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible</li> <li>• Call a poison control center or doctor for further treatment advice</li> </ul>
<p>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</p>	

**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 600® with Supa Stik PN adhere to all applicable label directions. Only use Supa Stik PN with basal bark applications.

**GENERAL APPLICATION INSTRUCTIONS**

Apply AGRI-FOS 600® by various application methods, including foliar spray, soil drench, soil incorporation, basal bark application and bare root dip. For foliar sprays, apply AGRI-FOS 600® 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 600® 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).

46/72

**MIXING INSTRUCTIONS**

1. Fill the spray tank with ¼ - ½ of the volume of water required before adding AGRI-FOS 600®
2. Add AGRI-FOS 600® slowly to the tank and agitate
3. Fill tank with balance of water to the desired volume
4. Agitate during application

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

**CITRUS, FRUIT, NUT AND VEGETABLE APPLICATIONS**

**APPLES, CRAB APPLES, LOQUATS, PEARS & QUINCE\***

Use AGRI-FOS 600® 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 and scab ( <i>Venturia inaequalis</i> )	Foliar spray	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 AGRI-FOS 600® and Captan in the remaining applications.
Apple black spot and scab ( <i>Venturia inaequalis</i> )	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 + 1 fl. oz Supa Stik PN Bark Penetrating Surfactant	Spray a combination of AGRI-FOS 600® and Supa Stik PN around the complete circumference of the tree trunk until saturation/runoff. Spray from ground level up to 5 feet above the soil line, including the base of the first scaffolding limbs, if present (treatment generally lasts 8-12 weeks depending on pathogen levels. Higher disease pressure will shorten the length of control). Various types of application equipment can be used such as hydraulic sprayers, handheld pump-type sprayers, backpack sprayers, hose-end applicators with

			backflow prevention devices, and other similar application devices.
Root and collar rot ( <i>Phytophthora cactorum</i> ) Fire Blight ( <i>Erwinia amylovora</i> )	Foliar spray  Basal bark spray apply spring and fall for best results	1.75-3.25 tsp. per gallon of water  10.5 fl. oz. 16 fl. oz. of water + 1 fl. oz. Supa Stik PN Bark Penetrating Surfactant	Thorough spray coverage of plant is required. Start applications when conditions favor disease development. Apply at one to two month intervals between treatments. Use the low rate on the shorter interval and the high rate on the longer interval. Spray a combination of AGRI-FOS 600® and Supa Stik PN around the complete circumference of the tree trunk until saturation/runoff. Spray from ground level up to 5 feet above the soil line, including the base of the first scaffolding limbs, if present. (Treatment generally lasts 8-12 weeks depending on pathogen levels. Higher disease pressure will shorten the length of control.)

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

**ASPARAGUS\***

Use AGRI-FOS 600® for effective control of crown rot & asparagus spear slime disease in asparagus crops.

Disease	Application Method	Rate	Application Program
Crown rot & Asparagus spear slime ( <i>Phytophthora</i> spp.)	Foliar spray Ground	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.

48/  
72

**AVOCADOS**

Use AGRI-FOS 600® for effective control of root rot, trunk cankers and downy mildew disease in Avocado.

Disease	Application Method	Rate	Application Program
Root rot ( <i>Phytophthora cinnamomi</i> )	Tree injection	Skeletal trees 1st year: 0.25 fl. oz. undiluted product per yard of canopy diameter. Other situations: 0.5 tsp diluted with 0.5 fl. oz. of water per yard of canopy diameter	Inject trees at spring flush maturity. Repeat treatment in February or March. Drill holes 3/16 inch (5 mm) in diameter and 1 inch (25 mm) to 2 inches (50 mm) deep with slight downward angle in trunk. Place syringes in the main trunk of the tree and space evenly around the circumference of the trunk. Suitable for use with Chemjet tree injectors, Ag-murf gun, Smart Shot injector, or hydraulic tree injection. Do not prune back trees before injection process as burning of new growth may occur. Do not inject trees in winter months. Do not cut back the canopy of injected trees. Do not add any material, other than water, to AGRI-FOS 600® by trunk injection. Do not inject more liquid in a lesser number of syringes than directed.
	Foliar spray	0.25 fl. oz. per gallon of water	Spray to run off 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 ( <i>Phytophthora citricola</i> )	Trunk spray	5.25 to 10.5 fl. oz. with one gallon of water with 1/2 fl. oz. of Supa Stik PN Bark Penetrating Surfactant	Apply to trunk lesions using sufficient spray volume to completely wet the trunk and lesions. If lesions absent, apply to trunk from soil level to two feet up trunk. If lesions present use higher rate.
Downy mildew	Foliar spray	0.5 teaspoon per gallon of water	Spray to run-off, as required for disease control.



49/  
72

**BERRIES\***

Use AGRI-FOS 600® for effective control of root rot, general leaf and berry diseases such as those caused by *Septoria* spp., and downy mildew, and for suppression of 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, raspberries (red, black, hybrids/cultivars), and youngberries.

Disease	Application Method	Rate	Application Program
Root rot ( <i>Phytophthora</i> spp.)	Foliar spray	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. 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 growing season.</p> <p>For blueberries - First application in spring at pink bud and then on a regular schedule of application at two to three intervals.</p>
General leaf and berry diseases such as those caused by <i>Septoria</i> spp and Anthracnose	Root dip	Mix a 2.50% 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.
Downy mildew	Foliar spray	1.25 to 2.5 tsp. per gallon of water	<p><u>Low Disease Pressure:</u> Apply lower rate at first onset of disease. Repeat applications at 1 to 3 week intervals. Do not apply more than 6 times per growing season.</p> <p><u>High Disease Pressure:</u> Apply higher rate at first onset of disease. Repeat applications at 7 to 10 day intervals.</p>

			<p>Do not apply more than 6 times per growing season.</p> <p>AGRI-FOS 600® is best when used in combination with conventional registered fungicides to increase the performance of the disease control program.</p>
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\*Not for use in California.

**BRASSICAS\***

Use AGRI-FOS 600® for effective control of downy mildew, damping-off, root rot, bacterial, and fungal diseases 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 rabe greens.

Disease	Application Method	Rate	Application Program
Root rot and damping off ( <i>Phytophthora</i> spp. and <i>Pythium</i> spp.)	Foliar spray	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 treatment	1.25 tsp. in 1 gallon of water to plants in seedling trays 1 to 7 days prior to out planting	<u>Low Disease Pressure:</u> 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	<u>High Disease Pressure:</u> Apply higher rate at 7 to 10 day intervals. Do not apply more than 6 times per growing season.
Downy mildew ( <i>Peronospora parasitica</i> )	Foliar spray	1.25 tsp. to 1.25 fl. oz. per gallon of water  California: 1/3 to 1/2 fl. oz. per gallon of water	1 to 3 week intervals between applications when conditions favor disease development (cool, moist weather). Use higher rates and shorter intervals when disease pressure increases.
Diseases caused by <i>Septoria</i> , <i>Collectotrichum</i> , <i>Alternaria</i> , and powdery mildew	Foliar spray	0.75 to 1.25 fl. oz. per gallon of water	<u>Low Disease Pressure:</u> Apply lower rate at first onset of disease. Repeat applications at 1 to 2 week intervals. Do not apply more than 6 times per growing season.  <u>High Disease Pressure:</u> Apply higher rate at first onset of disease. Repeat applications at 7 to 10 day intervals. Do not apply more than 6 times per growing season.

\*Use in California limited to control of downy mildew.

**CITRUS - Mature trees**

Use AGRI-FOS 600® for effective control of root rot and collar rot diseases in citrus.

Disease	Application Method	Rate	Application Program
Brown rot and foot rot <i>Phytophthora</i> spp.	Foliar spray	0.75 teaspoon per gallon of water	<b>When conditions favor disease.</b> 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 and collar rot <i>(Phytophthora nicotianae, and Phytophthora citrophthora)</i>	Trunk spray	5.25 to 10.5 fl. oz. per gallon of water with ¼ to ½ fl. oz. Supa Stik PN Bark Penetrating Surfactant	Spray trunk lesions with enough spray volume to ensure lesions are completely wet. When disease levels are high use higher rate
*Pre-harvest blue and green mold and brown rot <i>(Phytophthora citricola)</i>	Foliar spray Ground	2.50 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.

**COCONUTS**

Use AGRI-FOS 600® for effective control of bud rot and nut fall in coconuts.

Disease	Application Method	Rate	Application Program
Bud rot – Nut fall <i>(Phytophthora palmivora)</i>	Injection	0.25 to 0.75 fl. oz. per tree	Dilute AGRI-FOS 600® with water to give final injection volume of 1 fl. oz. to 2 fl. oz. of water and AGRI-FOS 600®. Inject into the trunk or root system.

**CUCURBITS**

Use AGRI-FOS 600® for effective control of sudden wilt, gummy stem blight, downy mildew, powdery mildew, *Alternaria* leaf blight, and bottom soft root complex, and for suppression of Anthracnose 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 <i>(Phytophthora spp)</i>	Foliar spray	1.25-4 tsp. per gallon of water	Entire spray coverage of plant is required. Do not exceed a total of 6 applications per season.
Gummy stem blight <i>(Mycosphaerella melonis)</i>		Apply 0.75 fl. oz. per gallon of water <b>(CA only)</b>	Apply when disease is evident. Continue applications at 21 day intervals until cure is apparent. Do not exceed a total of 6 applications per growing season.

Downy mildew ( <i>Pseudoperonospora cubensis</i> )			Apply within 7 to 10 days of infection. Repeat as necessary. Do not exceed a total of 6 applications per growing season.
*Powdery mildew and other leaf diseases such as Anthracnose and <i>Alternaria</i> leaf blight	Foliar spray	1.25 to 2 fl. oz. per gallon of water	<u>Low Disease Pressure:</u> Apply lower rate at first onset of disease. Repeat applications at 1 to 2 week intervals. Do not apply more than 6 times per growing season.  <u>High Disease Pressure:</u> Apply higher rate at first onset of disease. Repeat applications at 7 to 10 day intervals. Do not apply more than 6 times per growing season.
*Bottom soft rot complex	Foliar spray	2.5 - 3.25 tsp. per gallon of water	Apply after fruit set and during bulking 3 times during the growing season.

\*Not for use in California.

**FRUITING VEGETABLES\***

Use AGRI-FOS 600® for effective control of damping-off, root rot, gummy stem blight diseases, bacterial diseases, downy mildew, powdery mildew, and *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
Eggplant: <i>Pythium</i> and <i>Phytophthora</i> spp., and Gummy stem blight ( <i>Mycosphaerella melonis</i> )	Foliar spray	Apply 0.75 fl. oz. per gallon of water.	Entire spray coverage of plant is required. Do not exceed a total of 6 applications per growing 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 growing season.
Peppers: Late blight and root rot ( <i>Phytophthora infestans</i> and <i>Phytophthora</i> spp.)		1.25 tsp. to 1.25 fl. oz. 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.

<p>Tomatoes/Tomátillos: Late blight and root rot (<i>Phytophthora infestans</i> and <i>Phytophthora</i> spp.)</p>		<p>2 tsp. to 2 fl. oz. per gallon of water</p> <p>California: 2 tsp. per gallon of water</p>	<p>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.</p>
<p>Root rot and damping off (<i>Phytophthora</i> spp. and <i>Pythium</i> spp.)</p> <p>Bacterial diseases</p>	<p>Foliar spray</p> <p>Pre-plant seedling treatment</p> <p>Transplant and furrow application</p>	<p>0.75 to 1.25 fl. oz. per gallon of water</p> <p>0.75 tsp in 1 gallon of water to plants in seedling trays 1 to 7 days prior to out planting</p> <p>2 pints at planting or to newly planted seedlings by side dressing</p>	<p>Begin application after plants are established and conditions favor disease development.</p> <p><u>Low Disease Pressure:</u> Apply lower rate at 1 to 2 week intervals. Do not apply more than 6 times per growing season.</p> <p><u>High Disease Pressure:</u> Apply higher rate at 7 to 10 day intervals. Do not apply more than 6 times per growing season.</p> <p>For control of bacterial leaf spot of tomatoes, apply the high rate of AGRI-FOS 600® with registered bacteriacides.</p>
<p>Downy mildew</p>	<p>Foliar spray</p>	<p>0.75 to 1.25 fl. oz. per gallon of water</p>	<p><u>Low Disease Pressure:</u> Apply lower rate at first onset of disease. Repeat applications at 1 to 2 week intervals. Do not apply more than 6 times per growing season.</p> <p><u>High Disease Pressure:</u> Apply higher rate at first onset of disease. Repeat applications at 7 to 10 day intervals. Do not apply more than 6 times per growing season.</p>

Powdery mildew and other leaf diseases such as Anthracnose and <i>Alternaria</i> leaf blight	Foliar spray	0.75 to 1.25 fl. oz. per gallon of water	<p><u>Low Disease Pressure:</u> Apply lower rate at first onset of disease. Repeat applications at 1 to 2 week intervals. Do not apply more than 6 times per growing season.</p> <p><u>High Disease Pressure:</u> Apply higher rate at first onset of disease. Repeat applications at 7 to 10 day intervals. Do not apply more than 6 times per growing season.</p>
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\*Use in California limited to control of late blight and root rot in tomatoes and tomatillos.

**GRAPES\***

Use AGRI-FOS 600® for effective control of root rot, downy mildew, and powdery mildew diseases in grapes.

Disease	Application Method	Rate	Application Program
Downy mildew ( <i>Plasmopara viticola</i> )	Foliar spray	0.25 fl. oz per gallon of water	It is essential that the rate of AGRI-FOS 600® be adjusted to the vine-row volume, i.e., the volume of vine foliage per acre. Spray timing is critical. Apply AGRI-FOS 600® 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 600® is applied to match vine growth, particularly from mid-season onwards, and especially where grapes are grown on root stock.
<i>Phytophthora</i> and <i>Pythium</i> root rots	Foliar spray	0.75 to 1 fl. oz. per gallon of water	<p>Apply to vines that have stressed root system that can lead to root rots. Mitigating factors such as nematode pressure, water logging, and compaction contribute to vine declines.</p> <p>Table Grapes: Begin application in the Spring at the 4 to 6 inch shoot stage. Continue applications at 1 to 2 week intervals until flowering. Resume applications in the Fall</p>

			after harvest. Do not apply more than 4 times per growing season.  Wine and Raisin Grapes: Begin applications in the Spring at the 4 to 6 inch shoot stage. Continue applications at 1 to 2 week intervals through flowering. Do not apply more than 4 times per growing season.
Downy mildew	Foliar spray	0.75 to 1 fl. oz. per gallon of water  AGRI-FOS 600® is most effectively applied to control downy mildew when 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	Foliar spray	1.25 to 2 fl. oz. per gallon of water	<u>Low Disease Pressure:</u> Apply lower rate at first onset of disease. Repeat applications at 1 to 2 week intervals. Do not apply more than 6 times per growing season.  <u>High Disease Pressure:</u> Apply higher rate at first onset of disease. Repeat applications at 7 to 10 day intervals. Do not apply more than 6 times per growing season.

\*Use in California limited to control of downy mildew.

**HERBS AND SPICES\***

Use AGRI-FOS 600® for effective control of Downy mildew, *Phytophthora* spp. and *Pythium* spp. diseases of herbs and spices grown in fields, nurseries and greenhouses. Apply AGRI-FOS 600® to plants such as, but not limited to, Anise, Balm, Basil, Chamomile, Caraway, Catnip, Celery, Chives, Coriander, Cumin, Curry Leaf, Dill, Fennel, Marjoram, Mint, Nasturtium, Rosemary, Sage, Savory, Sweet Bay, Tarragon, Thyme, and Wintergreen.

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	0.25 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.
<i>Phytophthora</i> spp. and <i>Pythium</i> spp.	Foliar spray	1.25 - 2.5 tsp. per gallon of water	Apply spray to-thoroughly wet all

56/72

	Soil drench	0.125 tsp. per 2 gallons of water	foliage. Application intervals: 14 to 21 days. Repeat as required.  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.
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\*Not for use in California.

**HOPS\***

Use AGRI-FOS 600® for effective control of downy mildew in hops.

Disease	Application Method	Rate	Application Program
Downy mildew	Foliar spray by ground equipment only	1.25-4 tsp. per gallon of water	When conditions favor disease, apply when A. Shoots are ½ 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 600® for effective control of root rot, damping-off, downy mildew, powdery mildew, and other fungal leaf diseases, and for suppression of Anthracnose in leafy vegetables such as, but not limited to, amaranth, arugula, cardoon, celery, chervil, chrysanthemum, corn salad, cress, dandelion, dock, endive, fennel, lettuce, orach, parsley, purslane, radicchio, rhubarb, spinach, and Swiss chard. Excludes Brassica vegetables.

Disease	Application Method	Rate	Application Program
Downy mildew ( <i>Bremia lactucae</i> )	Foliar spray	1 fl. oz. per gallon 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.
Root rots and damping off ( <i>Phytophthora</i> and <i>Pythium</i> spp.)	Foliar spray  Pre-plant application	0.75 to 1 fl. oz. per gallon of water  1.25 tsp in 1 gallon of water to plants in seedling trays 1 to 7 days prior to out planting	Begin application after plants are established and conditions favor disease development.  <u>Low Disease Pressure:</u> Apply lower rate at 1 to 2 week intervals. Do not apply more than 6 times per growing season.
Powdery mildew and leaf diseases such as Anthracnose ( <i>Collectotrichum</i> spp), leaf blights ( <i>Septoria</i> and <i>Cercospora</i> spp), and bacterial rots ( <i>Erwinia</i> spp)	Foliar spray	1 to 1.25 fl. oz. per gallon of water	<u>High Disease Pressure:</u> Apply higher rate at 7 to 10 day intervals. Do not apply more than 6 times per growing season.

\*Use in California limited to control of downy mildew in lettuce.



57/72

**LEGUMES\***

Use AGRI-FOS 600® for effective control of damping-off, root rot, *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, kidney beans, pinto bean, 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
<p><i>Phytophthora</i> and <i>Pythium</i> spp.</p> <p><i>Fusarium</i> and <i>Rhizoctonia</i></p>	<p>Foliar spray</p> <p>Pre-plant application</p> <p>Transplant and furrow application</p>	<p>0.75 to 1.25 quarts in 30 to 50 gallons of water per acre</p> <p>1.25 tsp in 1 gallon of water to plants in seedling trays-1 to 7 days prior to out planting</p> <p>2 pints at planting or to newly planted seedlings by side dressing</p>	<p>Apply at crop emergence or during periods of crop stress caused Summer Stress Syndrome by or wet conditions that favor disease development.</p> <p>Begin application after plants are established and conditions favor disease development.</p> <p><u>Low Disease Pressure:</u> Apply lower rate at 1 to 2 week intervals. Do not apply more than 6 times per growing season.</p> <p><u>High Disease Pressure:</u> Apply higher rate at 7 to 10 day intervals. Do not apply more than 6 times per growing season.</p>
Downy mildew	<p>Foliar spray</p> <p>Ground</p>	0.75 to 1.25 fl. oz. per gallon of water	<p><u>Low Disease Pressure:</u> 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.</p> <p><u>High Disease Pressure:</u> 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.</p>
<p>Powdery mildew and leaf diseases such as Anthracnose (<i>Collectotrichum</i> spp), leaf blights (<i>Septoria</i> and <i>Cercospora</i> spp), and bacterial rots (<i>Erwinia</i> spp)</p>	<p>Foliar spray</p> <p>Ground</p>	1.25 to 2 fl. oz. per gallon of water	<p><u>Low Disease Pressure:</u> 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.</p> <p><u>High Disease Pressure:</u> Apply higher rate at the first onset of the disease. Repeat</p>

			applications at 7-10 day intervals. Do not apply more than 6 times per growing season.
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\*Not for use in California.

**MANGOS**

Use AGRI-FOS 600® for suppression of Anthracnose in mangos.

Disease	Application Method	Rate	Application Program
Anthracnose ( <i>Colletotrichum gloeosporoides</i> )	Foliar spray	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.

**MICELLANEOUS CROPS\***

Use AGRI-FOS 600® for effective control of damping-off, root rot, downy mildew, powdery mildew, and other bacterial and leaf diseases, and for suppression of Anthracnose in coffee, okra, papaya, and persimmon.

Disease	Application Method	Rate	Application Program
<i>Phytophthora</i> and <i>Pythium</i> spp.	Foliar spray	1.25 to 2.5 tsp per gallon of water	Begin application after plants are established and conditions favor disease development.  <u>Low Disease Pressure:</u> Apply lower rate at 1 to 2 week intervals. Do not apply more than 6 times per growing season.  <u>High Disease Pressure:</u> Apply higher rate at 7 to 10 day intervals. Do not apply more than 6 times per growing season.
	Root dip	Mix a 0.25% v/v solution (0.25 fl. oz. with 1 gallon of water)	Apply as pre-plant dip to transplants immediately prior to planting. Dip plants momentarily and plant within 48. Mix a fresh solution daily.
Downy mildew	Foliar spray	1.25 to 4 tsp per gallon of water	<u>Low Disease Pressure:</u> 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.  <u>High Disease Pressure:</u> 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.
Powdery mildew	Foliar spray	1.25 to 4 tsp per gallon	<u>Low Disease Pressure:</u>

		of water	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.  <u>High Disease Pressure:</u> 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.
<i>Pseudomonas garcae</i>	Foliar spray	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.

\*Not for use in California.

**ONIONS**

Use AGRI-FOS 600® 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 ( <i>Peronospora destructor</i> )	Foliar spray	2.5 tsp per gallon of water	As a regular preventative control program or when disease first appears.

**PEANUTS\***

Use AGRI-FOS 600® for effective control of damping-off and root rot disease and for suppression of Anthracnose in peanuts.

Disease	Application Method	Rate	Application Program
Root rots, pod rots, damping off, wilt ( <i>Phytophthora</i> and <i>Pythium</i> spp.)	Foliar spray	2.5 to 3.25 tsp per gallon of water	Begin application after plants are established and conditions favor disease development.
Leaf and crown diseases, Anthracnose ( <i>Collectothricum</i> spp.)	Transplant and furrow application	2 pints at planting or to newly planted seedlings by side dressing or shank application	<u>Low Disease Pressure:</u> Apply lower rate at 1 to 2 week intervals. Do not apply more than 6 times per growing season.  <u>High Disease Pressure:</u> Apply higher rate at 7 to 10 day intervals. Do not apply more than 6 times per growing season.

\*Not for use in California.

60/  
72

**PINEAPPLES**

Use AGRI-FOS 600® for effective control of *Phytophthora* root and heart rot diseases in pineapples.

Disease	Application Method	Rate	Application Program
<i>Phytophthora</i> root and heart rot ( <i>Phytophthora cinnamomi</i> and <i>parasitica</i> spp.)	Foliar spray	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. Ensure thorough coverage of plants.
	Pre-plant dip	1.25 tsp per gallon of water	
	Foliar spray	0.5 fl. oz. per gallon of water	

**ROOT AND TUBER VEGETABLES**

Use AGRI-FOS 600® for effective control of foliar and root rot in ginseng, damping-off and root rot diseases in carrots, late blight disease and storage diseases such as pink rot and *Pythium* leak, and downy mildew in potatoes, sweet potatoes, and yams.

Disease	Application Method	Rate	Application Program
*Ginseng: Foliar and root rot ( <i>Phytophthora cactorum</i> )	Foliar spray	3 tsp per gallon of water	In cool wet conditions that favor <i>Phytophthora</i> . Apply at 7 day intervals.  Do not exceed a total of 8 applications per season.
*Carrots: <i>Phytophthora</i> and <i>Pythium</i> spp.	Foliar spray	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 and <i>Pythium</i> leak ( <i>Phytophthora erythroseptica</i> and <i>Pythium</i> 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 and <i>Pythium</i> leak ( <i>Phytophthora infestans</i> , <i>Phytophthora erythroseptica</i> and <i>Pythium</i> spp.)	Foliar spray	0.5 to 2 tsp per gallon of water	Apply at 5 to 14 day intervals subject to disease incidence.
*Downy mildew	Foliar spray	0.75 to 1.25 fl. oz. per gallon of water	<u>Low Disease Pressure:</u> 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.  <u>High Disease Pressure:</u> 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.

61/72

**STONE FRUIT\***

Use AGRI-FOS 600® for effective control of root, collar rot, almond pruning wound, and various canker disease in stone fruit such as, but not limited to, apricots, sweet and tart cherries, nectarines, peaches, plums, and fresh prunes.

Disease	Application Method	Rate	Application Program
Root and collar rot ( <i>Phytophthora</i> spp.)	Foliar spray	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 spring and fall for best results	10.5 fl. oz. + 16 fl. oz. of water + 1 fl. oz Supa Stik PN Bark Penetrating Surfactant	Spray a combination of AGRI-FOS 600® and Supa Stik PN around the complete circumference of the tree trunk until saturation/runoff. Spray from ground level up to 5 feet above the soil line, including the base of the first scaffolding limbs, if present. (Treatment generally lasts 8-12 weeks depending on pathogen levels. Higher disease pressure will shorten the length of control.)
Almond pruning – wound cankers ( <i>Phytophthora syringae</i> )	Paint or spray	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.

62/72

<p>Suppression of <i>Armillaria</i> root rot (<i>Armillaria luteobublina</i>)</p>	<p>Basal bark spray</p>	<p>1 to 1.25 quarts + 2 quarts water + 1% Supa Stik PN Bark Penetrating Surfactant</p>	<p>Spray a combination of AGRI-FOS 600® and Supa Stik PN around the complete circumference of the tree trunk until saturation/runoff. Spray from ground level up to 5 feet above the soil line, including the base of the first scaffolding limbs, if present. For large trees larger than 18 inches DBH (Diameter at Breast Height, 4.5 feet above ground) that have been previously attacked by <i>Armillaria</i> root rot, make a fall application prior to leaf senescence and a spring application for best results. For trees less than 18 inches DBH, make an early spring application.</p>
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\*Not for use in California.

**STRAWBERRIES\***

Use AGRI-FOS 600® for effective control of leather rot, red stele, *Phytophthora*, foliar and bacterial disease in strawberries and suppression of powdery mildew.

Disease	Application Method	Rate	Application Program
<p><i>Phytophthora</i> and <i>Pythium</i> spp. (red stele, leather rot, and root rot)</p>	<p>Pre-planting dip</p>	<p>0.25 fl. oz. per gallon of water</p>	<p>Dip planting material in this solution for 30 minutes, then plant within one day. Use program for annual and perennial varieties</p>

Suppression of <i>rhizopus</i>	Foliar spray .	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 application	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 AGRI-FOS 600® requires use of high application rates and is most effective when tank mixed with other registered fungicides.
<i>Phytophthora</i> spp.	Dip	Mix a 0.25% v/v solution (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 spray	0.75 to 1 fl. oz. per gallon of water	<u>Low Disease Pressure:</u> 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.  <u>High Disease Pressure:</u> 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.

\*Use in California limited to control of red stele, leather rot, and root rot.

647/72

**TREE NUTS\***

Use AGRI-FOS 600® 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, pistachios, and walnuts.

Disease	Application Method	Rate	Application Program
Other than macadamia nuts: Root and collar rot ( <i>Phytophthora</i> spp)	Foliar spray	1.25 tsp per gallon of water	Three treatments are required 1. Spring 2. Mid summer 3. Fall, post harvest
Other than macadamia nuts: Almond pruning – wound canker ( <i>Phytophthora syringae</i> )	Paint or spray	3 tsp per gallon of water	Apply to pruning wound and surrounding area, ensure area is thoroughly wet.
Macadamia nuts: Raceme blight ( <i>Phytophthora</i> spp.)	Foliar spray	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
Root rot, crown rot, trunk cankers, foliar blights ( <i>Phytophthora</i> and <i>Pythium</i> spp.)  Foliar bacterial and fungal disease, Anthracnose ( <i>Collectotrichum</i> ), hull rot ( <i>Monilla</i> spp.), flower diseases ( <i>Cladosporium</i> spp.), <i>Alternaria</i> leaf spots ( <i>Alternaria</i> spp.), and raceme blight ( <i>Phytophthora</i> ) in Macadamia	Foliar spray	2.5 to 3.25 tsp per gallon of water	Begin application after plants are established and conditions favor disease development. <u>Low Disease Pressure:</u> Apply lower rate at 3 month intervals. Do not apply more than 4 times per growing season.  <u>High Disease Pressure:</u> Apply higher rate at monthly intervals. Do not apply more than 4 times per growing season.
	Root dip	Mix a 0.5% v/v solution (2.5 tsp in 1 gallon of water)	Dip roots in the solution for 30 seconds. Plant within 48 hours. Mix a fresh solution daily.
Pecan scab	Foliar spray	1 fl. oz. per gallon of water	Apply preventatively at 21 to 30 day intervals.



65/72

<p>Pruning wound, crown and trunk cankers (<i>Phytophthora</i> spp.)</p>	<p>Trunk spray</p>	<p>1 quarts + 2 quarts of water + 1% Supa Stik PN Bark Penetrating Surfactant</p>	<p>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.</p>
<p>Downy mildew (<i>Phytophthora</i> and <i>Peronospora</i> spp)  Powdery mildew</p>	<p>Foliar spray</p>	<p>1.25 to 2.5 tsp per gallon of water</p>	<p><u>Low Disease Pressure:</u> Apply lower rate at first onset of disease. Repeat applications at 1 to 2 week intervals. Do not apply more than 6 times per growing season.</p> <p><u>High Disease Pressure:</u> Apply higher rate at first onset of disease. Repeat applications at 7 to 10 day intervals. Do not apply more than 6 times per growing season.</p>
<p>Tree cankers</p>	<p>Basal bark spray</p>	<p>1 to 1.25 quarts + 2 quarts of water + 1% Supa Stik PN Bark Penetrating Surfactant</p>	<p>Spray a combination of AGRI-FOS 600® and Supa Stik PN around the complete circumference of the tree trunk until saturation/runoff. Spray from ground level up to 5 feet above the soil line, including the base of the first scaffolding limbs, if present. For large trees larger than 18 inches DBH (Diameter at Breast Height, 4.5 feet above ground) that have been previously attacked by <i>Armillaria</i> root rot, make a fall application prior to leaf senesce and a spring application for best results. For trees less than 18 inches DBH, make an early spring application.</p>

\*Not for use in California.

666/72

## LANDSCAPE APPLICATIONS\*

Use AGRI-FOS 600® for effective control of *Phytophthora* and *Pythium* spp and other diseases associated with Sudden Oak Death, Beech Decline, and general tree decline syndromes, and for suppression of Anthracnose and *Verticillium* wilt. Apply AGRI-FOS 600® to trees such as, but not limited to, Ash, Azalea, Beech, Black Locust, Buckeye, Catalpa, Cedar, Cherry – Stonefruits, 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 that are in a state of dormancy. Do not exceed indicated spray intervals or label rates in order to avoid tree injury.

Disease	Application Method	Rate	Application Program
<i>Phytophthora</i> and <i>Pythium</i> spp., and <i>Phytophthora ramorum</i>	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.
<i>Phytophthora</i> and <i>Pythium</i> spp., and <i>Phytophthora ramorum</i>	Basal bark spray (all other tree species) apply spring and fall for best results or anytime	10.5 fl. oz. + 16 fl. oz. of water + 1 fl. oz. Supa Stik PN Bark Penetrating Surfactant	Apply uniformly to 6-9 feet of trunk circumference. Spray from top down to ground.

67/72

	<p>active growth occurs Best for thin bark trees such as maples, lindens, sycamores, and dogwoods</p>		<p>level from either first branch or from as high as possible without exposing applicator to drift. Spray to saturation/runoff. Various types of application equipment can be used such as hydraulic sprayers, handheld pump-type sprayers, and backpack sprayers.</p>
<p><i>Fusarium subglutinans</i> (Pine Pitch Canker)</p>	<p>Basal bark spray (Pine)</p>	<p>10.5 fl. oz. AGRI-FOS 600® + 32 fl. oz. water + 0.5 fl. oz. of Supa Stik PN Bark Penetrating Surfactant</p>	<p>Spray a combination of AGRI-FOS 600® and Supa Stik PN around the complete circumference of the tree trunk until saturation/runoff. Spray from ground level up to 5 feet above the soil line, including the base of the first scaffolding limbs, if present. (Treatment generally lasts 8-12 weeks depending on pathogen levels. Higher disease pressure will shorten the length of control.)</p>
<p><i>Fusarium subglutinans</i> (Pine Pitch Canker) and <i>Gnomonia platani</i> (Sycamore Anthracnose)</p>	<p>Injection</p>	<p>2.5 tsp per tree of a 16 fl. oz. AGRI-FOS 600® + 32 fl. oz. of water</p>	<p>Drill holes 3/16 inch (5 mm) in diameter and 1 inch (25 mm) to 2 inches (50 mm) deep with slight downward angle in trunk. Place syringes in the main trunk of the tree and space evenly around the circumference of the trunk. Suitable for use with Chemjet tree injectors, Ag-murf gun, Smart Shot injector, or hydraulic tree injection. Trees should be at least 10" diameter at breast height.</p>
<p>**Suppression of Anthracnose</p>	<p>Foliar spray</p>	<p>2 - 2.5 tsp per gallon of water</p>	<p>Apply at pre bloom (bud swell or green tip stage) with a supplemental application 14 days later with AGRI-FOS 600® or other fungicide compound with efficacy on Anthracnose.</p>
<p>**Suppression of Anthracnose</p>	<p>Basal bark spray apply early spring at bud swell until green tip stage of growth</p>	<p>10.5 fl. oz. + 16 fl. oz. of water + 1 fl. oz. Supa Stik PN Bark Penetrating Surfactant</p>	<p>Spray a combination of AGRI-FOS 600® and Supa Stik PN around the complete circumference of the tree trunk until saturation/runoff. Spray from ground level up to 5 feet above the soil line, including the base of the</p>

68/72

			first scaffolding limbs, if present. For large trees larger than 18 inches DBH (Diameter at Breast Height, 4.5 feet above ground) that have been previously attacked by Anthracnose, make a fall application prior to leaf senesce and a spring application for best results. For trees less than 18 inches DBH, make an early spring application.
**Suppression of <i>Verticillium</i> wilt	Foliar spray	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.
**Suppression of <i>Verticillium</i> wilt	Basal bark spray	1 to 1.25 quarts + 2 quarts of water + 2 fl. oz Supa Stik PN Bark Penetrating Surfactant	Spray a combination of AGRI-FOS 600® and Supa Stik PN around the complete circumference of the tree trunk until saturation/runoff. Spray from ground level up to 5 feet above the soil line, including the base of the first scaffolding limbs, if present. For large trees larger than 24 inches DBH (Diameter at Breast Height, 4.5 feet above ground) that have been previously attacked by <i>Verticillium</i> wilt, make a fall application prior to leaf senesce and a spring application for best results. For trees less than 24 inches DBH, make an early spring application.

\*Use in California limited to Oaks (Coastal, Live, Shreve, Black, Canyon), Tan Oaks, and other tree species that are host to *P. ramorum*. Do not apply to any other tree species without consulting the list of *P. ramorum* host species listed at the following website: <http://nature.berkeley.edu/comtf/index.html>. 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 600® for effective control of Bacterial blight, Downy mildew, powdery mildew, *Phytophthora* spp. [Root Rot], and *Pythium* spp. [Damping-off] diseases, and Sudden Oak Death, and for suppression of Anthracnose of Ornamentals in landscapes and interiorscapes. Apply AGRI-FOS 600® to plants such as, but not limited to, Aglaonema, Aphelandra, Arborvitae, Azaleas, Bougainvillea, Boxwood, *Cattelya skinneri*, Ceanothus, Cotoneaster, Cissus, Diffenbachia, English ivy, Eucalyptus, Ficus, Hibiscus, Japanese andromeda, Japanese Holly, Leather leaf Fern, Peperomia, Photinia, Pittosporum, Philodendron, Pieris, Pothos, Rhododendron, Roses (container, landscape, mini varieties), Schefflera, Sedum, Sempervivum, Syngonium, Spathiphyllum, *Taxus media*, and Zygocactus.

69/72

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> ) pothovars: <i>dieffenbachiae</i> , <i>fici</i> <i>hederae</i> and <i>syngonli</i>	Foliar spray	1.25 - 2.5 tsp per gallon of water	Apply spray to thoroughly wet all foliage. Application intervals: 7 to 14 days Repeat as required.
*Black spot ( <i>Diplocarpon</i> spp.)	Foliar spray	1.25 - 2.5 tsp per gallon of water	Apply uniformly to foliage preventatively or at first sign of disease.
Downy mildew	Foliar spray	1.25 - 2.5 tsp per gallon of water	Apply uniformly to foliage at disease onset and repeat applications every 14 days.
<i>Phytophthora</i> spp [Root Rot], <i>Phytophthora ramorum</i> , and <i>Pythium</i> spp [Damping-off]	Foliar spray	1.25 - 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 AGRI-FOS 600® into each cubic yard of growing media. If disease pressure is high, make application by 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 spray	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 spray	1 fl. oz. per gallon of water	Apply prior to onset of disease. Apply spray to saturation or runoff.

\*Not for use in California

### RESIDENTIAL NURSERY, GREENHOUSE, AND BEDDING PLANTS

Use AGRI-FOS 600® for effective control of Downy mildew, *Phytophthora* spp [Root Rot] and *Pythium* spp. [Damping-off] diseases of BEDDING PLANTS and in interiorscapes. Apply AGRI-FOS 600® to plants such as, but not limited to, Ageratum, Aglaonema, Algerian Ivy, Anthurium, Aphelandra, Arborvitae, Artemesia, Aster, Azaleas, Begonia, Baby's Breath, Bougainvillea,

70/  
72

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, Pieris, Peperomia, Petunia, Philodendron, Pansy, Phlox, Pinks, Pittosporum, Poinsettia, Pothos, Primrose, Prostrate Rosemary, Rosemary, Salvia, Schefflera, Sedium, Sempervivum, Snapdragon, Spathiphyllum, *Taxus media*, Verbena, Vinca, White Cedar, White Pine, Zinnia, and Zygocactus. AGRI-FOS 600® may also be used for Vegetable Transplants grown in greenhouse, lathouse, 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 Spray	0.50 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.
<i>Phytophthora</i> spp. [Root Rot] and <i>Pythium</i> spp. [Damping-off]	Foliar spray	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.
<i>Phytophthora</i> spp.* [Root Rot]	Foliar Spray	0.125 tsp per 100 sq. ft.	Apply spray in 1 pint of water per 100 sq. ft.
<i>Phytophthora</i> spp.* [Root Rot]	Hand gun	1.25 quarts per 100 gallons of water	Apply spray to thoroughly wet all foliage.

\*Lavender applications

### CONIFERS\*

Apply AGRI-FOS 600® 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 Methods	Rate	Application Program
<i>Phytophthora</i> spp	Foliar spray Ground	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	1.25 to 2.5 tsp per gallon of water	Apply one gallon of solution per sq yd.

71/72

			Follow application with irrigation. Application intervals: 14 to 21 days. Repeat as required.
	Bare root dipping of transplants	1.25 tsp per gallon of water	Immediately before transplanting, dip transplants for two minutes; keep roots submerged and ensure root mass is thoroughly wet.
<i>Fusarium subglutinans</i> (Pine Pitch Canker)	Basal bark spray apply any time active growth occurs	10.5 fl. oz. AGRI-FOS 600® + 32 fl. oz. of water + 0.5 fl. oz. of Supa-Stik PN Bark Penetrating Surfactant	Apply uniformly to 6-9 feet of trunk circumference. Spray from top down to ground level from either first branch or from as high as possible without exposing applicator to drift. Spray to saturation/runoff. Various types of application equipment can be used such as hydraulic sprayers, handheld pump-type sprayers, and backpack sprayers.
<i>Fusarium subglutinans</i> (Pine Pitch Canker)	Injection	2.5 tsp per tree of a 16 fl. oz. AGRI-FOS 600® + 32 fl. oz. of water + 0.5 fl. oz. of Supa Stik PN Bark Penetrating Surfactant	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.

\*Use in California limited to injection and/or basal bark spray of pines.

### TURF AND HOME LAWNS\*

Use AGRI-FOS 600® for the effective control of *Rhizoctonia*, *Pythium* and damping-off diseases, and for suppression of Anthracnose of turf and lawn grasses. When conditions favor disease, begin preventive applications and repeat at indicated intervals. Use higher rate of application when disease pressure is severe.

Disease	Application Method	Rate	Application Program
<i>Pythium</i>	Foliar spray	3.25 to 6.5 fl. oz. per 1000 sq. ft.	Apply indicated quantity of product in 1 to 5 gal. of water per 1000 sq. ft. Ensure foliage is thoroughly wet.  Application intervals: 14-21 days. Repeat as

72/  
72

			required. Do not irrigate or mow treated areas until spray has completely dried.
Suppression of Anthracnose	Foliar spray	3.25 to 6.5 fl. oz. per 1000 sq. ft.	Apply indicated quantity of product in 25 gallons of water per 1000 sq. ft. Ensure foliage is thoroughly wet.  Apply every 14 to 21 days in a fungicide rotational program. Do not irrigate or mow treated areas until spray has completely dried.
Suppression of Anthracnose	Foliar spray	3.25 to 6.5 fl. oz. per 1000 sq. ft.	Apply prior to onset of disease. Apply every 7 to 14 days.
<i>Rhizoctonia</i>	Foliar spray	3.25 to 6.5 fl. oz. per 1000 sq. ft.	Apply prior to onset of disease. Apply every 7 to 14 days.

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

\*Use in California limited to control of pythium.

**STORAGE AND DISPOSAL**

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

**PESTICIDE STORAGE:**

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

**PESTICIDE DISPOSAL AND CONTAINER HANDLING:**

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

**WARRANTY AND DISCLAIMER**

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