SYSTEMIC FUNGICIDE AND PLANT RESISTANCE ACTIVATOR

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, Anthracnose in Mango, Root & Collar Rot in Stonefruit, Downy Mildew, Phytophthora & Pythium in Ornamentals, Interiorscapes & Bedding Plants, Phytophthora & Fusarium in Conifers, Pythium in Turf, & Phytophthora & Pythium diseases associated with Stem and Canker blight & General Beech Decline.

ACTIVE INGREDIENT:
Mono- & di-potassium salts of Phosphorous Acid* 45.8%
OTHER INGREDIENTS ........................................ 54.2%
TOTAL .......................................................... 100.0%

*Contains: 5.17lbs/gallon of the active ingredients, mono- and di-potassium salts of Phosphorous acid. Equivalent to 3.35 lbs Phosphorous acid/gallon.
EPA Reg No. 74578-3 • EPA Est. No. 74578-MA-001
Net Contents: 1.057 Quarts (1 Liter)

KEEP OUT OF REACH OF CHILDREN

CAUTION

FIRST AID

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

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

IF ON SKIN OR CLOTHING
• Take off contaminated clothing.
• Rinse skin immediately with plenty of water for 15-20 minutes.
• Call a poison control center or a doctor for treatment advice.

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

Have the product container or label with you when calling a poison control center or doctor or going for treatment.
Hotline Number: National Poison Control, 1-800-222-1222

Manufactured by: ARBORJET, Inc.
99 Blueberry Hill Road, Woburn, MA 01801 781-935-9070
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 any 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.
See booklet for complete directions for use.

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).

See booklet for other precautions and Storage and Disposal.
SYSTEMIC FUNGICIDE and PLANT RESISTANCE ACTIVATOR

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, Anthracnose in Mango, Root and Collar Rot in Stonefruit, Downy Mildew, Phytophthora & Pythium in Ornamentals, Interiorscapes & Bedding Plants, 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.

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EPA Reg No. 74578-3
EPA Est. No. 74578-MA-001
Net Contents: See Individual Container

KEEP OUT OF REACH OF CHILDREN

CAUTION

Manufactured by:
ARBORJET, INC.
781-935-9070
99 Blueberry Hill Road
Woburn, MA 01801

REV 08/2017
## AGRICULTURAL USE

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### PRECAUTIONARY STATEMENTS

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

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

#### PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators, mixers, loaders, and other handlers must wear:
- Protective eyewear  
- Long pants and long-sleeved shirt  
- Waterproof gloves  
- Shoes plus socks

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

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

#### USER SAFETY RECOMMENDATIONS:

Users should:
- Wash hands before drinking, eating, chewing gum, using tobacco, or using the toilet.  
- Remove PPE clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.  
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.
ENVIRONMENTAL HAZARDS:
For Terrestrial uses: 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 any 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 Workers 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.

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 PHOSPHO-JET® systemic fungicide through chemigation is not permitted in California.

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

Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform 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 PHOSPHO-JET® systemic fungicide continuously for the duration of the water application. After treatment with PHOSPHO-JET® systemic fungicide has been completed, avoid further irrigation of the treated area until foliage is dry or for 24 to 48 hours.

**GENERAL APPLICATION INSTRUCTIONS**

Apply PHOSPHO-JET® systemic fungicide by various application methods, including foliar spray, soil drench, soil incorporation, basal bark application, bare root dip and tree injection.

For foliar sprays, apply PHOSPHO-JET® systemic fungicide with sufficient water volumes for adequate coverage of foliage, according to crop and growth stage. To ensure good coverage, spray to wetness, but avoid run-off. This product does not have a pre-harvest interval (PHI). Harvest when dry.

When using PHOSPHO-JET® systemic fungicide with Pentra-Bark™ adhere to all applicable label directions. Only use Pentra-Bark™ with basal bark or trunk spray applications.

**MIXING INSTRUCTIONS**

1. Fill the spray tank with \( \frac{1}{4} \) to \( \frac{1}{2} \) of the volume of water required before adding PHOSPHO-JET® systemic fungicide.
2. Add PHOSPHO-JET® systemic fungicide slowly to the tank and agitate by mechanical or hydraulic means.
3. Continue agitating as tank fills with water to the desired volume.
4. Maintain agitation during application.

**INJECTION PROCEDURES**

**General Guidelines:**

Measure the tree diameter at chest height (54" from ground) in inches to find the Diameter at Breast Height (DBH). If measuring circumference, divide this number by three to determine Diameter at Breast Height (DBH).

Locate drill holes low in tree, generally in or near the trunk flare, every 6" around the circumference of the tree. Do not inject into areas of obvious decay, canker or mechanical injury on the tree trunk.

**Basic Arborjet Injection Procedures:**

Drill holes 7/32" (5 mm) for STINGER Tip, 9/32" (7 mm) for the #3 Arborplug™ or 3/8" (9 mm) in diameter (for #4 Arborplug™) into live sapwood to a minimum depth of 5/8" (15 mm) to maximum of 2" (5 cm) at a right angle into the trunk uniformly around the tree circumference, using a sharp, clean drill bit. Initially apply no pressure to the drill; the bit will naturally cut through the bark. It will stop penetrating when it meets the harder sapwood. Next apply pressure to the drill to cut 5/8” to 2” into the sapwood.

Insert an Arborplug™, and tap in using the set tool and mallet. Use the #3 (9/32” d) or #4 (3/8” d) Arborplug™ in hardwoods; in conifers, use the #4 Arborplug™. Using the injection needle, pierce the internal septum to start the injection process. Shut off and remove the injection needle upon completion.

**Resinous Conifers**

In resinous conifers, such as pine and spruce insert the injection needle and start liquid flow immediately after inserting the Arborplug™ into the sapwood. A delay may reduce
uptake due to resin flow. For trees exhibiting rapid resin flow (in spring during needle expansion), a deeper injection channel of 2” may assist in uptake.

**Monocots**

Inject into the trunk into lignified (hardened, woody) tissues typically within 2 to 3 ft. of the soil. Drill into the stem 4” deep using the 3/8” drill bit. Insert a #4 Arborplug™. Inject through the Arborplug™. Only one injection site is generally needed.

**WHEN TO TREAT / TIMING OF STEM INJECTION APPLICATIONS**

**Tree Health and Growing Conditions:** Apply prior to bud break in spring. Alternatively, make applications to trees in full leaf after elongation or after leaf senescence (coloration or drop) in fall. Moist soil conditions and moderate temperatures (i.e., >40 and <90°F) favor transpiration and are optimal for injection uptake.

Best results are obtained when treatments are applied prior to infection. Treat trees early, when foliar symptoms (e.g., spot, blotch, blight) affect less than 10% of the canopy. Anticipate historical early season foliar infections by treating prior to bud break. For example, make application in late summer or early fall the year prior to infection.

**Phytophthora root rot** occurs most frequently in poorly drained and compacted soils. Susceptible species are at risk of infection following heavy precipitation or irrigation. Trees growing in low lying areas are also at risk of disease. Treat as early as possible in the infection cycle for best tree response.

For optimal uptake, apply when soil is moist, soil temperatures are above 40°F, ambient temperatures are between 40° to 90°F, and during the 24 hour period when transpiration is greatest, typically before 2:00 PM. Applications to drought or heat stressed trees may result in injury to tree tissue, poor treatment and subsequent control. Watering the trees prior to injection may enhance the uptake of PHOSPHO-JET®.

**GENERAL TRUNK INJECTION APPLICATION INSTRUCTIONS**

This product is for use with the ARBORJET TREE INJECTION SYSTEMS or those systems that meet the label and dosage requirements. Follow manufacturer’s directions for use.

**Micro-injection Applications for Use as Formulated (Non-Diluted)**

PHOSPHO-JET® may be applied undiluted by micro-injection. The PHOSPHO-JET® dose rates are 3.5 to 7.0 milliliters (mLs) per inch DBH. Use the 3.5 mL rate in trees less than 12” in diameter. For trees 12 to 24” in diameter; apply 3.5 to 5.0 mLs per inch DBH. Use the higher rates of 5.0 to 7.0 mLs in trees greater than 24” in diameter.

**Calculating Application Rate**

The dosages and number of application sites are based on tree diameter.

To determine the application/dose rate per tree:

Measure the tree diameter in inches at chest height (54” from ground) to find the Diameter at Breast Height (DBH). (If measuring tree circumference, divide circumference by 3 to obtain the DBH in inches.)

Calculate the number of injection sites by dividing the DBH in inches by 2.

Multiply the tree DBH by the dosage rate (5.0 mL per inch DBH) to calculate the total dose in milliliters per tree.

Divide the total dose by the number of injection sites to determine required dosage per injection site.

**Example:** For a tree with a DBH of 10 inches (or circumference of 30 inches) and 3.5 mL dosage rate:

DBH = 10” (circumference 30” ÷ 3 =10”)

Divide DBH of 10” by 2 = 5 injection sites.

Multiply DBH” of 10 by 3.5 mL = 35 mL total dose per tree.

Divide 35 mL by 5 injection sites = 7 mL per injection site to deliver the required dosage.

**Micro-injection Applications for Use as a Dilute Injection**

Ornamental, Forest, Conifers/ Narrow-Leaved Evergreens, and Crop Trees

**CALCULATING APPLICATION RATE AND MIXING INSTRUCTIONS**

To determine the application rate, refer to Table 1 for (1:3) dilution of PHOSPHO-JET®.
Identify plant size by determining tree diameter in inches at breast height (DBH”) measured at approximately 54” above the soil line. If measuring tree circumference divide by 3 to obtain the DBH”.

In Table 1, 1 part PHOSPHO-JET® is diluted with 2 parts water. Determine the amount of PHOSPHO-JET® needed by multiplying inch of DBH by the rate used (3.5 mLs). For example, to treat a 10” tree, 35 mLs of PHOSPHO-JET® is required.

To prepare the injection solution, carefully add PHOSPHO-JET® to the tank. In the example of the 10” tree, add 35 mLs of PHOSPHO-JET®.

Next, fill the tank with the water to bring up to volume, close and agitate to mix. In the example of a 10” tree, 65 mLs water is added. Therefore, to treat a 10” DBH using the standard dilution, use 35 mL of PHOSPHO-JET® in 65 mLs water for a total injection volume of 100 mLs. Inject 20 mLs of the PHOSPHO-JET®/water solution every 6” of trunk circumference as directed. Refer to Table 1 for specific dose applications for inch diameter of tree.

**TABLE 1** Tree Injection per inch Diameter and Dilution for Micro-injection Use. To prepare 100 mLs of solution, measure 35 mLs of PHOSPHO-JET® and add water to bring up to volume. Apply 20 mLs of solution per injection site every 6” of trunk circumference.

<table>
<thead>
<tr>
<th>inch dbh</th>
<th>No. Injects</th>
<th>mLs PHOSPHO-JET®</th>
<th>mLs water</th>
<th>mLs solution*</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 - 8</td>
<td>3 - 4</td>
<td>21 - 28</td>
<td>40 - 53</td>
<td>60 - 80</td>
</tr>
<tr>
<td>9 - 12</td>
<td>5 - 6</td>
<td>35 - 42</td>
<td>67 - 80</td>
<td>100 - 120</td>
</tr>
<tr>
<td>13 - 16</td>
<td>7 - 8</td>
<td>49 - 56</td>
<td>93 - 107</td>
<td>140 - 160</td>
</tr>
<tr>
<td>17 - 20</td>
<td>9 - 10</td>
<td>63 - 70</td>
<td>120 - 133</td>
<td>180 - 200</td>
</tr>
<tr>
<td>21 - 24</td>
<td>11 - 12</td>
<td>77 - 84</td>
<td>147 - 160</td>
<td>220 - 240</td>
</tr>
<tr>
<td>25 - 28</td>
<td>13 - 14</td>
<td>91 - 98</td>
<td>173 - 186</td>
<td>260 - 280</td>
</tr>
<tr>
<td>29 - 32</td>
<td>15 - 16</td>
<td>105 - 112</td>
<td>200 - 213</td>
<td>300 - 320</td>
</tr>
<tr>
<td>33 - 36</td>
<td>17 - 18</td>
<td>119 - 126</td>
<td>226 - 240</td>
<td>340 - 360</td>
</tr>
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<td>133 - 140</td>
<td>253 - 266</td>
<td>380 - 400</td>
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<td>21 - 22</td>
<td>147 - 154</td>
<td>280 - 293</td>
<td>420 - 440</td>
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<tr>
<td>45 - 48+</td>
<td>23 - 24</td>
<td>161 - 168</td>
<td>306 - 320</td>
<td>460 - 480</td>
</tr>
</tbody>
</table>

*mLs solution = total dose per tree

**COMPATIBILITY**

PHOSPHO-JET® systemic fungicide is compatible with most products used in agriculture. However, individual crop sensitivity to these mixtures may vary. Mixtures of PHOSPHO-JET® systemic fungicide with some foliar fertilizers and copper products are not always compatible or cause phytotoxicity to some plants. If these combinations or others have not been used previously, do not tank mix without first testing the compatibility of the tank mix. Do not apply tank mixture without first assessing its safety to the crop (phytotoxicity). Tank mix PHOSPHO-JET® systemic fungicide with fertilizers only if crop safety has been established and the PHOSPHO-JET® systemic fungicide use rates are followed. Due to PHOSPHO-JET® systemic fungicide’s acidic nature, do not use acidifying-type compatibility agents. If spray adjuvants are used test them before use to confirm compatibility with PHOSPHO-JET® systemic fungicide.

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

Spray the solution that results from the above compatibility test onto a few plants and inspect for visual effects of phytotoxicity (leaf burn) 3 to 7 days later.
### AGRICULTURAL APPLICATIONS

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

Use PHOSPHO-JET® for effective control of black spot, root and collar rot and fire blight in apples, crab apples, loquats, pears, and quinces.

<table>
<thead>
<tr>
<th>Disease</th>
<th>Application Method</th>
<th>Rate</th>
<th>Application Program</th>
</tr>
</thead>
<tbody>
<tr>
<td>Apple black spot and scab (Venturia inaequalis)</td>
<td>Foliar spray</td>
<td>Apply 3 to 4 pints PHOSPHO-JET® per acre in 100 gallons water per acre&lt;br&gt;½ gallon PHOSPHO-JET® per acre in 25 – 250 gallons water per acre&lt;br&gt;Or apply PHOSPHO-JET® at 0.5% (½ %) solution volume/volume concentration to foliage. Example: spray volume of 50 gallons per acre, use 2 to 2.5 pints PHOSPHO-JET</td>
<td>Apply in combination with a mancozeb-containing product at 3 lbs. per acre.&lt;br&gt;Apply at 1⁄4 - 1½ inch green tip through first cover at 7 to 10 day intervals or according to forecasted infection events. Continue with PHOSPHO-JET® and Captan in the remaining applications. First application at open cluster. Last application fifth cover or fruit at 2” to 2 ½” diameter.&lt;br&gt;Total of 10 applications at 10 to 12 day intervals.&lt;br&gt;When conditions are conducive to a black spot outbreak, apply PHOSPHO-JET® immediately.&lt;br&gt;NOTE: After 4 or 5 consecutive applications some yellowing of extension growth may be observed. If yellowing occurs use another fungicide until yellowing of leaves disappears.</td>
</tr>
<tr>
<td>Basal bark spray at bud swell or silver tip stage of growth in early spring</td>
<td>Spray a combination of PHOSPHO-JET® and Pentra-Bark™ 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.)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Root and collar rot (Phytophthora cactorum)
Fire Blight (Erwinia amylovora)

| Foliar spray | Apply at 1 ¼ to 2 ½ quarts PHOSPHO-JET® per acre with a maximum of 250 gallons water per acre. 2 ½ to 5 pints in 100 gallons of water per acre. | 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. Under high disease pressure use higher application rate and shorter spray interval. Ensure thorough coverage. |

| Basal bark spray treat in spring and fall for best results | 62.4 fl. oz. PHOSPHO-JET® + 62.4 fl. oz. of water + 3 fl. oz. Pentra-Bark.” Bark Penetrating Surfactant | Spray a combination of PHOSPHO-JET® and Pentra-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. (Treatment generally lasts 8 to 12 weeks depending on pathogen levels. Higher disease pressure will shorten the length of control). |

AVOCADOS
Use PHOSPHO-JET® for effective control of root rot, trunk cankers and downy mildew disease in avocado.

### Disease Application Method Rate Application Program

| Root rot (Phytophthora cinnamomi) | Tree injection | Skeletal trees 1st year: ¼ fl. oz. PHOSPHO-JET® per yard of canopy diameter. Other situations: 3/4 teaspoon PHOSPHO-JET® with ½ fl. oz. of water per yard of canopy diameter. | Inject trees at spring flush maturity. Repeat treatment in February or March. Locate drill holes in or near the trunk flare and space evenly around the circumference of the trunk. Use 7/32” (5 mm) for STINGER Tip, 9/32” (7 mm) for the #3 Arborplug™ or 3/8” (9 mm) (for #4 Arborplug™) dia. drill bit; drill into sapwood a minimum depth of 5/8” (15 mm) to maximum of 2” (5 cm) at a right angle to the trunk. Using a sharp, clean drill bit work around the tree trunk. Make injections with applicators that maintain positive pressure such as the QUIK-JET Air or Air hydraulic applicator to inject solution into the tree. For dilute (e.g., 1:30) solutions, use the Tree I.V. Do not prune back trees before injection process as burning of new growth may occur. Do not inject trees in winter months, unless adequate soil moisture is available. Do not cut back the canopy of injected trees. Do not add any material, other than water, to PHOSPHO-JET® by trunk injection. |

| Foliar spray | 2 quarts PHOSPHO-JET® in 100 gallons of water per acre | Spray to run off at 2 to 2 ½ gallons of spray solution per adult tree. Start applications in spring, up to 4 applications a year at two-month intervals. Ensure thorough coverage. |

| Canker (Phytophthora citricola) | Trunk spray | 1 ¼ to 2 ½ quarts mixed with 5 gallons of water with 6 fl. oz. of Pentra-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 up to two feet up trunk. If lesions present use higher rate. |
**BERRIES**

Use PHOSPHO-JET® 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 spp., Fusicoccum canker, phomopsis canker, in bush and cane berries such as, but not limited to, bingleberries, blackberries, black satin berries, blueberries, boysenberries, Cherokee blackberries, Cheyenne blackberries, coryberries, cranberries, darrowberries, dewberries, Dirksen thornless berries, elderberries, Himalayaberries, huckleberries, hullberries, Lavacaberries, loganberries, lowberries, lucretiaberries, mammoth blackberries, marionberries, mulberries, nectarberries, olallieberries, Oregon evergreen berries, raspberries (red, black, hybrids/cultivars), and youngberries.

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

<table>
<thead>
<tr>
<th>Disease</th>
<th>Application Method</th>
<th>Rate</th>
<th>Application Program</th>
</tr>
</thead>
<tbody>
<tr>
<td>Root rot (Phytophthora spp.)</td>
<td>Foliar spray</td>
<td>1 to 3 quarts PHOSPHO-JET® per 100 gallons of water per acre. Ensure foliage is completely wet.</td>
<td>New plantings: start application when new growth is 2 to 3 inches long. Established plantings start applications when cool wet conditions occur which favor disease. West of Rocky Mountains: Autumn applications, apply when conditions favor disease, repeat in 4 weeks. Spring applications, first application after bud break and repeat in 4 weeks. East of Rocky Mountains: First application spring post bud break (2 to 3 inches new growth) and repeat at 50 to 60 day intervals. Do not exceed 4 applications per season. For blueberries – First application in spring at pink bud and then on a regular schedule of application at two to three intervals.</td>
</tr>
<tr>
<td>General leaf and berry diseases such as those caused by Septoria spp and Anthracnose spp</td>
<td>Root Dip</td>
<td>Mix a 2.50% volume/volume solution (1 quart PHOSPHO-JET® per 10 gallons of water)</td>
<td>Apply as pre-plant dip to the roots for 2 to 3 minutes. Plant within 48 hours after dipping. Mix a fresh solution daily. Apply with normal irrigation schedule. Do not apply more than 4 times per crop cycle.</td>
</tr>
<tr>
<td></td>
<td>Chemical Overhead</td>
<td>1 to 2 quarts PHOSPHO-JET® in 1000 gallons of water per acre</td>
<td></td>
</tr>
</tbody>
</table>
### BERRIES cont.

<table>
<thead>
<tr>
<th>Disease</th>
<th>Application Method</th>
<th>Rate</th>
<th>Application Program</th>
</tr>
</thead>
<tbody>
<tr>
<td>Downy Mildew</td>
<td>Foliar spray</td>
<td>1 ½ to 2 quarts PHOSPHO-JET® in 20 to 100 gallons of water per acre</td>
<td>Low Disease Pressure: Apply lower rate at first onset of disease. Repeat applications at 1 to 3 weeks intervals. Do not apply more than 6 times per crop cycle. High Disease Pressure: Apply higher rate at first onset of disease. Repeat applications at 7 to 10 day intervals. Do not apply more than 6 times per crop cycle. PHOSPHO-JET® is best when used in combination with conventional registered fungicides to increase the performance of the disease control program.</td>
</tr>
</tbody>
</table>

### CITRUS - Mature trees

Use PHOSPHO-JET® for effective control of root rot and collar rot diseases in citrus.

<table>
<thead>
<tr>
<th>Disease</th>
<th>Application Method</th>
<th>Rate</th>
<th>Application Program</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brown rot and foot root rot Phytophthora spp.</td>
<td>Foliar spray</td>
<td>2 ½ quarts PHOSPHO-JET® per acre in a maximum of 250 gallons of water</td>
<td>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.</td>
</tr>
<tr>
<td>Root rot and collar rot (Phytophthora spp., nicotianae and Phytophthora citrophthora)</td>
<td>Trunk spray</td>
<td>Mix 1 ¾ to 2 ½ quarts PHOSPHO-JET® in a minimum of 5 gallons of water with 1 to 3 fl. oz. of Pentra-Bark Penetrating Surfactant.</td>
<td>Spray trunk lesions with enough spray volume to ensure lesions are completely wet. When disease levels are high, use higher rate.</td>
</tr>
<tr>
<td></td>
<td>Soil Spray</td>
<td>2 ½ to 4 quarts PHOSPHO-JET® per acre in a minimum 20 gallons per acre.</td>
<td></td>
</tr>
</tbody>
</table>

### COCONUTS

Use PHOSPHO-JET® for effective control of bud rot and nut fall in coconuts.

<table>
<thead>
<tr>
<th>Disease</th>
<th>Application Method</th>
<th>Rate</th>
<th>Application Program</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bud rot – Nut fall (Phytophthora palmivora)</td>
<td>Injection</td>
<td>Between 2 tsp. and 1 fl. oz. per tree</td>
<td>Dilute PHOSPHO-JET® with water to give final injection volume of 1 fl. oz. to 2 fl. oz. of water and PHOSPHO-JET®, Inject into the trunk or root system.</td>
</tr>
</tbody>
</table>

### MANGOS

Use PHOSPHO-JET® for effective control of suppression of Anthracnose in mangos.

<table>
<thead>
<tr>
<th>Disease</th>
<th>Application Method</th>
<th>Rate</th>
<th>Application Program</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anthracnose (Colletotrichum gloeosporioides)</td>
<td>Foliar spray</td>
<td>3 to 4 pints. PHOSPHO-JET® per 100 gallon of water</td>
<td>Spray tree every 14 days during blossom period, then monthly until harvest. Spray to the point of run-off.</td>
</tr>
</tbody>
</table>
STONE FRUIT
Use PHOSPHO-JET® for effective control of root, collar rot and almond pruning wound, and various cherry canker diseases, and suppression of armillaria in stone fruit such as, but not limited to, apricots, sweet and tart cherries, nectarines, peaches, plums, and fresh prunes.

<table>
<thead>
<tr>
<th>Disease</th>
<th>Application Method</th>
<th>Rate</th>
<th>Application Program</th>
</tr>
</thead>
<tbody>
<tr>
<td>Root and collar rot (Phytophthora spp.)</td>
<td>Foliar spray</td>
<td>2 ½ quarts PHOSPHO-JET® in 250 gallons of water per acre</td>
<td>Three treatments are required 1. Spring 2. Mid summer 3. Fall, post harvest</td>
</tr>
<tr>
<td></td>
<td>Basal bark spray Apply in spring and fall.</td>
<td>62.4 fl. oz. PHOSPHO-JET® + 62.4 fl. oz. of water + 3.2 fl. oz. Pentra-Bark™ Bark Penetrating Surfactant.</td>
<td>Spray a combination of PHOSPHO-JET® and Pentra-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.</td>
</tr>
<tr>
<td>Almond pruning – wound cankers (Phytophthora syringae)</td>
<td>Foliar spray Paint wound with solution</td>
<td>1 ¼ to 2 ½ quarts PHOSPHO-JET® in 100 gallons of water per acre 50-50 solution of water and PHOSPHO-JET®</td>
<td>Apply to pruning wound and surrounding area, ensure area is thoroughly wet. In high disease situations use higher rate. Or paint wounds with concentrated solution.</td>
</tr>
<tr>
<td></td>
<td>Basal bark spray</td>
<td>1 ½ to 2 quarts PHOSPHO-JET® + 2 quarts water + 1% Pentra-Bark™ Bark Penetrating Surfactant</td>
<td>Spray a combination of PHOSPHO-JET® and Pentra-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. For large trees larger than 18 inches DBH (Diameter at Breast Height, 4.5 feet above ground) that have been previously attacked by Armillaria root rot, make a fall application prior to leaf senesce and a spring application for best results. For trees less than 18 inches DBH, make an early spring application.</td>
</tr>
</tbody>
</table>

TREE NUTS
Use PHOSPHO-JET® for effective control of root and collar rot, scabs and almond pruning-wound canker disease in tree nuts such as, but not limited to, almonds, beech nuts, Brazil nuts, butternuts, cashews, chestnuts, chinquapin, hickory nuts, macadamia nuts, pecans, pistachios, and walnuts. Prevention and control of 1,000 Canker Disease, Geosmithia morbida in Black and English Walnut, when used in a comprehensive spray program with an insecticides that control Walnut Twig Blight Pityophthorus juglandis.

<table>
<thead>
<tr>
<th>Disease</th>
<th>Application Method</th>
<th>Rate</th>
<th>Application Program</th>
</tr>
</thead>
<tbody>
<tr>
<td>Other than macadamia nuts: Root and collar rot (Phytophthora spp.)</td>
<td>Foliar spray</td>
<td>1 ¼ quarts PHOSPHO-JET® in 125 gallons of water per acre</td>
<td>Three treatments are required 1. Spring 2. Mid summer 3. Fall, post harvest</td>
</tr>
<tr>
<td>Species</td>
<td>Treatment Type</td>
<td>Treatment Amount</td>
<td>Notes</td>
</tr>
<tr>
<td>---------------------------------</td>
<td>----------------</td>
<td>--------------------------------------------------------</td>
<td>----------------------------------------------------------------------</td>
</tr>
<tr>
<td>Other than macadamia nuts:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Almond pruning – wound canker</td>
<td>Paint or spray</td>
<td>2 ½ quarts PHOSPHO-JET® in 100 gallons of water</td>
<td>Apply to pruning wound and surrounding area, ensure area is thoroughly wet.</td>
</tr>
<tr>
<td>Macadamia nuts:</td>
<td>Foliar spray</td>
<td>3 ¼ quarts PHOSPHO-JET® in 250 gallons of water per acre</td>
<td>Apply when disease is first seen and reapply at 3 week intervals. Spray to the point of run-off.</td>
</tr>
<tr>
<td>Root rot, crown rot, trunk</td>
<td>Foliar spray</td>
<td>2 to 2 ½ quarts PHOSPHO-JET® in 100 gallons of water per acre</td>
<td>Begin application after plants are established and conditions favor disease development. Low Disease Pressure: Apply lower rate at 3 month intervals. Do not apply more than 4 times per crop cycle. High Disease Pressure: Apply higher rate at monthly intervals. Do not apply more than 4 times per crop cycle.</td>
</tr>
<tr>
<td>Root rots, crown rots, trunk</td>
<td>Root Dip</td>
<td>Mix 0.5% volume/volume solution (2 quarts PHOSPHO-JET® in 100 gallons of water)</td>
<td>Dip roots in the solution for 30 seconds. Plant within 48 hours. Mix a fresh solution daily.</td>
</tr>
<tr>
<td>Pecan scab</td>
<td>Foliar spray</td>
<td>2 quarts PHOSPHO-JET® in 50 to 100 gallons of water per acre</td>
<td>Apply preventatively with other products shown to be effective against pecan scab.</td>
</tr>
<tr>
<td>Pruning wound, crown and trunk</td>
<td>Trunk spray</td>
<td>2 quarts PHOSPHO-JET® + 2 quarts of water + 1% Pentra-Bark Bark Penetrating Surfactant</td>
<td>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.</td>
</tr>
<tr>
<td>Downy mildew</td>
<td>Foliar spray</td>
<td>1 to 2 quarts PHOSPHO-JET® in 20 to 100 gallons of water per acre</td>
<td>Lower Disease Pressure: Apply lower rate at first onset of disease. Repeat applications at 1 to 2 week intervals. Do not apply more than 6 times per crop cycle. High Disease Pressure: Apply higher rate at first onset of disease. Repeat applications at 7 to 10 day intervals. Do not apply more than 6 times per crop cycle.</td>
</tr>
</tbody>
</table>
Tree cankers and suppression of Armillaria

Basal bark spray

1 ½ to 2 quarts PHOSPHO-JET® + 2 quarts water + 1% Pentra-Bark Penetrating Surfactant

Spray a combination of PHOSPHO-JET® and Pentra-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. For large trees larger than 18 inches DBH (Diameter at Breast Height, 4.5 feet above ground) that have been previously attacked by Armillaria root rot, make a fall application prior to leaf senescence and a spring application for best results. For trees less than 18 inches DBH, make an early spring application at or about at bud swelling.

1,000 Cankers of Walnut, Geosmithia morbida on both Black and English Walnut

Foliar spray

2 to 2 ½ qt. PHOSPHO-JET® in 50 gallons of water per acre

Foliar spray every 60 days starting in early spring in combination with an insecticide that controls Walnut Twig Beetle, Pityophthorous juglandis during insect flight times. Maximum 6 times per year.

Basal Bark spray

Spray apply 32 oz. PHOSPHO-JET® in 48 oz. water with 2 oz. Pentra-Bark Surfactant per 18” of tree DBH

Spray apply to tree trunk circumference from ground level to first scaffold limb or to 6 feet up tree trunk.

SEED TREATMENT APPLICATIONS

Use PHOSPHO-JET® 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.

<table>
<thead>
<tr>
<th>Disease</th>
<th>Application Method</th>
<th>Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phytophthora, Pythium and Fusarium spp.</td>
<td>Can be applied at planting or in commercial seed treatment operations.</td>
<td>8 to 24 fl oz. PHOSPHO-JET® per 100 lbs. of seed or 4 to 10 quarts PHOSPHO-JET® per ton of seed, depending on the size of the seeds to be treated.</td>
</tr>
</tbody>
</table>

GRASS GROWN FOR SEED PRODUCTION

Use PHOSPHO-JET® 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.

<table>
<thead>
<tr>
<th>Disease</th>
<th>Application Method</th>
<th>Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phytophthora and Pythium spp.</td>
<td>Foliar spray</td>
<td>1 ½ to 2 quarts PHOSPHO-JET® in 25 to 250 gallons of water to 2 quarts per acre</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Apply at 14 to 21 day intervals, as necessary. Ensure thorough coverage.</td>
</tr>
</tbody>
</table>
Use PHOSPHO-JET® for effective control of Phytophthora, Pythium, suppression of Armillaria and other diseases associated with Stem and Canker Blight, and phloem and xylem inhabiting cankers, such as Botryosphaeria, Nectria, Thyronecctria, Cytospora, phomopsis, Hyphoxylon, Seiridium canker; Sudden Oak Death, (Phytophthora ramorum), Beech Decline, general tree decline syndromes, for suppression of Anthracnose and Verticillium wilt on various shade trees in landscapes, nurseries, golf courses, forests, and parks. Apply PHOSPHO-JET® to trees such as, but not limited to, Ash, Aspen, Azalea, Bald Cypress, Beech, Black Gum, Black Locust, Birch, Buckeye, Catalpa, Cedar, Cherry (Stonefruits), Chestnut, Coffee Tree, Crab Apple, Cork Tree, Dogwood-All, Elder, Elm, Fir, Golden Raintree, Hazelnut, Hawthorne, Honey Locust, Juniper; Lilac, Linden, London Plane tree, Magnolia, Maples-All, Mock Orange, Pine, Oaks-All (Coastal, Live, Shreve, Black, Canyon), Olives, Ornamental Pear; Plum, Pyracantha, Red Bud, Smoke Tree, Sumac, Sweet Birch, Sweet Gum, Sycamore, Tulip Tree, Viburnum, Walnut, White Pine, White Cedar, Willow, Witch Hazel, Zelkova and various conifers in the landscape. 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. When applying to do not overspray and use care to apply only to target plants.

<table>
<thead>
<tr>
<th>Disease</th>
<th>Application Method</th>
<th>Rate</th>
<th>Application Program</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phytophthora and Pythium spp. and Ph. ramorum (Sudden Oak Death)</td>
<td>Injection</td>
<td>1 1.8 fl. oz. per 22 fl. oz. of water for injection, (350 mLs in 650 mLs water), apply 20 mLs solution per injection site; See Table 1 for specific size/rate instruction. OR For Tree I.V: 1.1 fl. oz. in 32 fl. oz. (32.5 mLs in 942.5 mL water), apply 40 mLs of solution per injection site. Refer to Table 2 for specific tree size/rate instruction.</td>
<td>Calculate the amount of product required per tree by measuring tree DBH” measured 4 ½ ft. above soil level. For example, a 10’ DBH tree will receive 100 to 200 mLs of injection solution (see Tables 1 &amp; 2, resp.). Apply 1 injection per 6 inches of trunk. A 10’ DBH tree, for example will receive 5 injection points around the trunk. Apply 20 to 40 mLs per site, depending on the dilution selected (see Tables 1 &amp; 2). Locate drill holes in or near the trunk flare. Use 7/32” (5 mm) for STINGER Tip, 9/32” (7 mm) for the #3 Arborplug™ or 3/8” (9 mm) (for #4 Arborplug™) dia. drill bit; drill into sapwood a minimum depth of 5/8’’ (15 mm) to maximum of 2’’ (5 cm) at a right angle to the trunk. Using a sharp, clean drill bit work around the tree trunk. Make injections with applicators that maintain positive pressure such as the QUICK-JET® Air or Air hydraulic applicator to inject solution into the tree. For dilute (e.g., 1:30) solutions, use the Tree I.V.</td>
</tr>
<tr>
<td>Basal bark spray (all other tree species) apply in spring and fall. Best for thin bark trees such as maples, lindens, sycamores, and dogwoods</td>
<td>62.4 fl. oz. PHOSPHO-JET® + 62.4 fl. oz. of water + 3 fl. oz. Pentra-Bark™ Bark Penetrating Surfactant</td>
<td>Spray a combination of PHOSPHO-JET® and Pentra-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.</td>
<td></td>
</tr>
<tr>
<td>Fusarium subglutinans (Pine Pitch Canker)</td>
<td>Basal bark spray (pines) Apply anytime active growth is observed.</td>
<td>1 gallon of PHOSPHO-JET® + 2 gallons of water + 4 fl. oz. of Pentra-Bark™ Bark Penetrating Surfactant</td>
<td>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.</td>
</tr>
<tr>
<td>Fusarium subglutinans (Pine Pitch Canker) and Gnomonia platani (Sycamore Anthracnose)</td>
<td>Injection</td>
<td>20 to 35 mL per 10” DBH tree of PHOSPHO-JET® + sufficient water to bring volume up to 100 mLs; apply 20 mLs of solution per injection every 6” of tree circumference. Refer to Table 1 for specific tree size/rate instruction</td>
<td>Apply 1 injection per 6 inches of trunk. Locate drill holes low in tree, generally in or near the trunk flare. Drill holes 7/32” (5 mm) for STINGER Tip, 9/32” (7 mm) for the #3 Arborplug™ or 3/8” (9 mm) in diameter for #4 Arborplug™ into live sapwood to a minimum depth of 5/8” (15 mm) to maximum of 2” (5 cm) at a right angle into the trunk uniformly around the tree circumference, using a sharp, clean drill bit.</td>
</tr>
<tr>
<td>Apple black spot and scab (Venturia inaequalis) and Anthracnose</td>
<td>Basal bark spray apply early spring at bud swell or silver tip stage of growth</td>
<td>62.4 fl. oz. PHOSPHO-JET® + 62.4 fl. oz. of water + 3 fl. oz. Pentra-Bark™ Bark Penetrating Surfactant</td>
<td>Spray a combination of PHOSPHO-JET® and Pentra-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. (Treatment generally lasts 8 to 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. For severe infestation of anthracnose, make a fall (at leaf senescence) and spring (bud swell to green tip) application for large trees.</td>
</tr>
<tr>
<td>Various Tree Cankers</td>
<td>Basal Bark spray apply at green tip or spring bud break</td>
<td>48 fl. oz. PHOSPHO-JET® with 62.4 oz. of water and 1 fl. oz. of Pentra Bark surfactant</td>
<td>Apply early spring and repeat in fall prior to leaf senescence for severe canker infestations.</td>
</tr>
<tr>
<td>Fire blight and apple scab (Venturia inaequalis)</td>
<td>Foliar spray</td>
<td>1 ½ to 2 quarts PHOSPHO-JET® in 100 gallons of water</td>
<td>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.</td>
</tr>
<tr>
<td>Fire blight</td>
<td>Basal Bark Spray</td>
<td>Use 50/50 mixture PHOSPHO-JET® with water and 1% Pentra Bark</td>
<td>Apply at bud swell.</td>
</tr>
<tr>
<td>Suppression of Anthracnose</td>
<td>Foliar spray</td>
<td>2 quarts PHOSPHO-JET® in 100 gallons of water per acre</td>
<td>Apply at pre bloom (bud swell or green tip stage) with a supplemental application 14 days later with PHOSPHO-JET® or other fungicide compound with efficacy on Anthracnose.</td>
</tr>
<tr>
<td>Suppression of Anthracnose</td>
<td>Basal bark spray Apply early spring at bud swell until green tip stage of growth</td>
<td>62.4 fl. oz. PHOSPHO-JET® + 62.4 fl. oz. of water + 1.5 to 3.0 fl. oz. Pentra-Bark™ Bark Penetrating Surfactant</td>
<td>Spray a combination of PHOSPHO-JET® and Pentra-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. For large trees larger than 18 inches DBH (Diameter at Breast Height, 4.5 feet above ground) that have been previously attacked by Anthracnose, make a fall application prior to leaf senescence and a spring application for best results. For trees less than 18 inches DBH, make an early spring application.</td>
</tr>
<tr>
<td>Suppression of Verticillium wilt</td>
<td>Foliar spray</td>
<td>2 quarts PHOSPHO-JET® in 100 gallons of water per acre</td>
<td>For trees previously identified with infections, apply first application pre-bloom. Repeat applications between 21 to 30 days.</td>
</tr>
</tbody>
</table>
TABLE 2  Dilution (1:30) for use with Tree I.V. for Sudden Oak Death. Apply 40 mLs of solution per injection site.

<table>
<thead>
<tr>
<th>inch DBH</th>
<th>No. injects</th>
<th>mLs solution*</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 - 8</td>
<td>4</td>
<td>120 - 160</td>
</tr>
<tr>
<td>9 - 12</td>
<td>6</td>
<td>200 - 240</td>
</tr>
<tr>
<td>13 - 16</td>
<td>8</td>
<td>280 - 320</td>
</tr>
<tr>
<td>17 - 20</td>
<td>10</td>
<td>360 - 400</td>
</tr>
<tr>
<td>21 - 24</td>
<td>12</td>
<td>440 - 480</td>
</tr>
<tr>
<td>25 - 28</td>
<td>14</td>
<td>520 - 560</td>
</tr>
<tr>
<td>29 - 32</td>
<td>16</td>
<td>600 - 640</td>
</tr>
<tr>
<td>33 - 36</td>
<td>18</td>
<td>678 - 718</td>
</tr>
<tr>
<td>37 - 40</td>
<td>20</td>
<td>758 - 798</td>
</tr>
<tr>
<td>41 - 44</td>
<td>22</td>
<td>838 - 878</td>
</tr>
<tr>
<td>45 - 48+</td>
<td>24</td>
<td>918 - 958</td>
</tr>
</tbody>
</table>

*To prepare 1000 mLs of solution, measure 32.5 mLs PHOSPHO-JET, add water to bring up to volume.
**Disease Application**

- **Method Rate Application Program**

  **Bacterial blight** *(Xanthomonas campestris)* pathovars: *dieffenbachiae, fici hederae, and syngonii*  
  - Foliar spray 2 to 4 pints *PHOSPHO-JET®* per 100 gallons of water  
  - OR 2 to 4 tsp. *PHOSPHO-JET®* per gallon of water  
  - Apply spray to thoroughly wet all foliage. Application intervals: 7 to 14 days.  
  - Repeat as required.  

  **Downy mildew**  
  - Foliar spray 1 ½ to 2 ½ quarts *PHOSPHO-JET®* in 100 gallons of water per acre  
  - Low Disease Pressure: Apply lower rate at the first onset of the disease. Repeat applications at 1 to 2 week intervals. Do not apply more than 6 times per crop cycle.  
  - High Disease Pressure: Apply higher rate at the first onset of the disease. Repeat applications at 7 to 10 day intervals.  

**ORNAMENTAL APPLICATIONS**

Use *PHOSPHO-JET®* for effective control of Bacterial blight, Downy mildew, Phytophthora spp. and Pythium spp. Diseases and for suppression of Anthracnose and blights on Ornamentals in landscapes, nurseries, golf courses, parks, interiorscapes, and greenhouses. Apply *PHOSPHO-JET®* to plants such as, but not limited to, Aglaonema, Anthurium, Aphelandra, Arborvitae, Azaleas, Bougainvillea, Boxwood, Cattleya skinneri, Ceanothus, Cotoneaster, Cissus, Diffenbachia, English ivy, Eucalyptus, Ficus, Hibiscus, Japanese andromeda, Japanese Holly, Leather leaf Fern, Peperomia, Photinia, Pittosporum, Philodendron, 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.

<table>
<thead>
<tr>
<th>Disease</th>
<th>Application Method</th>
<th>Rate</th>
<th>Application Program</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bacterial blight (Xanthomonas campestris) pathovars: dieffenbachiae, fici hederae, and syngonii</td>
<td>Foliar spray</td>
<td>2 to 4 pints <em>PHOSPHO-JET®</em> per 100 gallons of water OR 2 to 4 tsp. <em>PHOSPHO-JET®</em> per gallon of water</td>
<td>Apply spray to thoroughly wet all foliage. Application intervals: 7 to 14 days. Repeat as required.</td>
</tr>
<tr>
<td>Downy mildew</td>
<td>Foliar spray</td>
<td>1 ½ to 2 ½ quarts <em>PHOSPHO-JET®</em> in 100 gallons of water per acre</td>
<td>Low Disease Pressure: Apply lower rate at the first onset of the disease. Repeat applications at 1 to 2 week intervals. Do not apply more than 6 times per crop cycle. High Disease Pressure: Apply higher rate at the first onset of the disease. Repeat applications at 7 to 10 day intervals.</td>
</tr>
</tbody>
</table>
### ORNAMENTAL APPLICATIONS (cont.)

| Phytophthora spp., Phytophthora ramorum, and Pythium spp. | Foliar spray | 1 to 2 quart PHOSPHO-JET® per 100 gallons of water OR 2 to 4 tsp. PHOSPHO-JET® per gallon of water | Apply spray to thoroughly wet all foliage. Application intervals: 14 to 21 days. Repeat as required. |
| Soil drench | 6 1/4 to 12 3/4 fl. oz. PHOSPHO-JET® 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. |
| Soil incorporation | 1 to 2 pints PHOSPHO-JET® per cubic yard of soil | Just prior to potting, mix 1 to 2 pts. of PHOSPHO-JET® into each cubic yard of growing media. If disease pressure is high, apply foliar spray or soil drench. |
| Bare rooted dipping of transplants | 2 pints PHOSPHO-JET® per 100 gallons of water OR 2 tsp. PHOSPHO-JET® per gallon | Immediately before transplanting, dip transplants for two minutes, keep roots submerged, ensure root mass is thoroughly wet. |
| Suppression of Anthracnose | Foliar spray | 2 to 2 ½ quarts PHOSPHO-JET® in 50 gallons of water per acre | Apply prior to onset of disease. Apply spray to saturation or runoff. |
| Black Spot Roses | 2 quarts per 100 gallons or 0.5% solution concentration | Apply when disease is present. Apply spray to runoff. |

### NURSERY AND BEDDING PLANTS

Use PHOSPHO-JET® 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 PHOSPHO-JET® to plants such as, but not limited to, Ageratum, Aglaonema, Algerian Ivy, Anthurium, Aphelandra, Arborvitae, Artemisia, Aster, Azaleas, Baby's Breath, Begonia, Bougainvillea, Boxwood, Caladium, Carnation, Cattleya, Skinneri, Ceanothus, Chrysanthemum, Cissus, Coleus, Columbine, Cotoneaster, Daisy, Delphinium, Dieffenbachia, Dogwood, Easter Lily, English Ivy, Ficus, Foxglove, Gaillardia, Geranium, Gloxinia, Hibiscus, Impatiens, Japanese Holly, Juniper, Lavender, Leather Fox Fern, Marigold, Monterey Pink, Pansy, Peperomia, Petunia, Philodendron, Phlox, Photinia, Pieris, 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. PHOSPHO-JET® may also be used for Vegetable Transplants grown in Greenhouse, Lath house, 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.
<table>
<thead>
<tr>
<th>Disease</th>
<th>Application Method</th>
<th>Rate</th>
<th>Application Program</th>
</tr>
</thead>
<tbody>
<tr>
<td>Downy Mildew</td>
<td>Foliar spray</td>
<td>1¼ to 2 ½ quarts PHOSPHO-JET® per 100 gallons of water OR 1/2 to 1 1/8 fl. oz. PHOSPHO-JET® per gallon of water</td>
<td>Apply spray to thoroughly wet all foliage. Application intervals: 14 to 21 days. Repeat as required.</td>
</tr>
<tr>
<td>Phytophthora spp. and Pythium spp.</td>
<td>Foliar spray</td>
<td>1 to 2 quarts PHOSPHO-JET® per 100 gallons of water OR 2 to 4 tsp. PHOSPHO-JET® per gallon of water</td>
<td>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.</td>
</tr>
<tr>
<td>Soil drench</td>
<td>Soil drench</td>
<td>6 1/4 to 12 3/4 fl. oz. PHOSPHO-JET® per 100 gallons of water</td>
<td>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.</td>
</tr>
<tr>
<td>Phytophthora spp.*</td>
<td>Foliar spray</td>
<td>2 quarts PHOSPHO-JET® per acre</td>
<td>Apply spray in 20 – 60 gallons per acre.</td>
</tr>
<tr>
<td>Hand gun</td>
<td>Hand gun</td>
<td>2 quarts PHOSPHO-JET® per 100 gallons of water</td>
<td>Apply spray to thoroughly wet all foliage.</td>
</tr>
</tbody>
</table>

*Lavender applications.
## CONIFERS IN COMMERCIAL NURSERIES, PLANTATIONS AND FORESTS (INCLUDING CHRISTMAS TREES)

Apply PHOSPHO-JET® 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.

<table>
<thead>
<tr>
<th>Disease</th>
<th>Application Method</th>
<th>Rate</th>
<th>Application Program</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phytophthora</td>
<td>Foliar spray</td>
<td>1 to 2 quarts PHOSPHO-JET® per 100 gallons of water OR 2 to 4 tsp. PHOSPHO-JET® per gallon of water</td>
<td>Apply spray to thoroughly wet all foliage. Application intervals: 14 to 21 days. Repeat as required.</td>
</tr>
<tr>
<td>Soil drench</td>
<td>1 to 2 quarts PHOSPHO-JET® per 100 gallons of water OR 2 to 4 tsp. PHOSPHO-JET® per gallon of water</td>
<td>Apply one gallon of solution per sq. yd. Follow application with irrigation. Application intervals: 14 to 21 days. Repeat as required.</td>
<td></td>
</tr>
<tr>
<td>Bare root dipping at transplanting</td>
<td>1 quart PHOSPHO-JET® per 100 gallons of water OR 2 tsp. PHOSPHO-JET® per gallon of water</td>
<td>Immediately before transplanting, dip transplants for two minutes; keep roots submerged and ensure root mass is thoroughly wet.</td>
<td></td>
</tr>
<tr>
<td>Fusarium subglutinans (Pine Pitch Canker)</td>
<td>Basal bark spray Apply any time active growth is observed.</td>
<td>1 gallon PHOSPHO-JET® + 2 gallons of water + 4 fl. oz. of Pentra-Bark™ Bark Penetrating Surfactant</td>
<td>Spray a combination of PHOSPHO-JET® and Pentra-Bark™ around the complete circumference of the tree trunk until saturation/runoff. Spray from ground level up to 5 feet above the soil line.</td>
</tr>
<tr>
<td>Injection</td>
<td>20 to 35 mL per 10&quot; DBH tree of PHOSPHO-JET® + sufficient water to bring volume up to 100 mLs; apply 20 mLs of solution per injection every 6&quot; of tree circumference. Refer to Table 1 for specific tree size/rate instruction</td>
<td>Apply 1 injection per 6 inches of trunk. Locate drill holes low in tree, generally in or near the trunk flare. Drill holes 7/32&quot; (5 mm) for STINGERTip, 9/32&quot; (7 mm) for the #3 Arborplug™ or 3/8&quot; (9 mm) in diameter (for #4 Arborplug™) into live sapwood to a minimum depth of 5/8&quot; (15 mm) to maximum of 2&quot; (5 cm) at a right angle into the trunk uniformly around the tree circumference, using a sharp, clean drill bit.</td>
<td></td>
</tr>
</tbody>
</table>

Do not graze livestock in treated areas of conifer nurseries or plantations. Do not feed forage from treated areas of plantations and/or nurseries.
TURF

Use PHOSPHO-JET® for the effective control of Rhizoctonia, Pythium 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.

<table>
<thead>
<tr>
<th>Disease</th>
<th>Application Method</th>
<th>Rate</th>
<th>Application Program</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pythium</td>
<td>Foliar spray</td>
<td>5 to 10 fl. oz. PHOSPHO-JET® per 1000 sq. ft.</td>
<td>Apply indicated quantity of product in 1 to 2 gallons of water per 1000 sq. ft. Ensure foliage is thoroughly wet. Application intervals: 14 to 21 days. Repeat as required. Do not irrigate or mow treated areas until spray has completely dried.</td>
</tr>
<tr>
<td>Suppression of Anthracnose</td>
<td>Foliar spray</td>
<td>5 to 10 fl. oz. PHOSPHO-JET® per 1000 sq. ft.</td>
<td>Apply indicated quantity of product in 2.5 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.</td>
</tr>
<tr>
<td>Suppression of Pink Snow mold</td>
<td>Foliar spray</td>
<td>5 to 10 fl. oz. PHOSPHO-JET® in 2 gallons of water per 1000 sq. ft.</td>
<td>Apply when temperatures and conditions favor disease development and outbreak, or apply in fall prior to onset of winter with other snow mold controlling fungicides.</td>
</tr>
<tr>
<td>Suppression of Rhizoctonia</td>
<td>Foliar spray</td>
<td>5 to 10 fl. oz. PHOSPHO-JET® in 2 gallons of water per 1000 sq. ft.</td>
<td>Apply prior to onset of disease. Apply every 7 to 14 days.</td>
</tr>
</tbody>
</table>

TURF TANK MIXTURES

For the effective control of summer stress complex caused by a complex of Rhizoctonia and Pythium diseases, tank-mix PHOSPHO-JET® 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.

<table>
<thead>
<tr>
<th>Product</th>
<th>Disease</th>
<th>Rate per 1000 sq. ft.</th>
<th>Application Program</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHOSPHO-JET® + [mancozeb-containing fungicide]*</td>
<td>Summer Stress Complex (Rhizoctonia and Pythium spp.)</td>
<td>5 to 10 fl. oz. PHOSPHO-JET® + [mancozeb-containing fungicide]* per 1,000 sq. ft.</td>
<td>Apply indicated quantity of product in 1 to 5 gallons 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. Apply prior to disease development or when conditions favor disease outbreak.</td>
</tr>
<tr>
<td></td>
<td>Pink Snow mold</td>
<td>5 to 10 oz. per 1,000 sq. ft.</td>
<td></td>
</tr>
</tbody>
</table>

*follow product label rate.

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.

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 use or refill this container: Triple rinse container (or equivalent) promptly after emptying.
[Use the following with containers with a capacity of 5 gallons or less:] 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.
[Use the following with containers with a capacity greater than 5 gallons:] 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 the container on its side and roll it back and forth, insuring 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.
Then offer for recycling if available or reconditioning if appropriate, or puncture and dispose of in a sanitary landfill, or by incineration.

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

Systematic 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, Anthracnose in Mango, Root and Collar Rot in Stonefruit, Downy Mildew, Phytophthora and Pythium in Ornamentals, Interiorscapes and Bedding Plants, Phytophthora and Fusarium in Conifers, Pythium in Turf, and Phytophthora and Pydium diseases associated with Stem and Canker blight (Sudden Oak Death) and General Beech Decline.

**ACTIVE INGREDIENT:** Mono-di-potassium salts of Phosphorous Acid* ................................................... 45.8%

**OTHER INGREDIENTS** .................................................................................................................. 54.2%

**TOTAL** .................................................................................................................................... 100.0%

*Contains 5.7 lbs/gal of the active ingredients, mono- and di-potassium salts of Phosphorous acid.

Equivalent to 3.15 lbs Phosphorous acid/gallon.

EPA Reg No. 74578-3 • EPA Est No. 74578-MA-001

Net Contents: 1.057 Quarts (1 Liter)

**KEEP OUT OF REACH OF CHILDREN CAUTION**

Manufactured by: ARBOJET Inc. 99 Blueberry Hill Road Wellesley, MA 02181 781-935-9070

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**FIRST AID**

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

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

**IF ON SKIN OR CLOTHING:**
- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15-20 minutes.
- Call a poison control center or doctor for treatment advice.

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

Have the product container of label with you when calling a poison control center or doctor or going for treatment. Hotline Number: National Poison Control, 1-800-222-1222.

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**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).

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**PERSONAL PROTECTIVE EQUIPMENT (PPE):**
Applications, mixtures, and other handlers must wear:
- Protective eyewear
- Long pants and long-sleeved shirt
- Waterproof gloves
- Shoes plus socks

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

When handlers use closed systems, aircraft or enclosed cabs in a manner that meets the require-
ments 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.

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**USER SAFETY RECOMMENDATIONS:**

**Users should:**
- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

**ENVIRONMENTAL HAZARDS:**
For terrestrial use: Do not apply directly to water; to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters or rinse.

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**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 any 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.

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**AGRICULTURAL USE REQUIREMENTS**

Use this product only in accordance with its labeling and with the Workers Protection Standard, CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, 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 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, soil or water is covered in wear short-sleeved shirt and short pants, water proof gloves, shoes plus socks and protective eye wear.

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**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.

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**CHEMIGATION**

Use of PHOSPHO-JET systemic fungicide through chemigation is not permitted in California.

Apply this product only through center pivot, solid 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 non-uniform 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) carefully 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 PHOSPHO-JET systemic fungicide continuously for the duration of the water application. After treatment with PHOSPHO-JET systemic fungicide has been completed, avoid further irrigation of the treated area until foliage is dry or for 24 to 48 hours.

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**GENERAL APPLICATION INSTRUCTIONS**

Apply PHOSPHO-JET systemic fungicide by various application methods, including foliar spray, soil drench, soil incorporation, basal bark application, bare root dip and tree injection.

For foliar sprays, apply PHOSPHO-JET systemic fungicide with sufficient water volumes for adequate coverage of foliage, according to crop and growth stage. To ensure good coverage, spray to wetness, but not runoff (for #4 Arborplug™) into live sapwood to a minimum depth of 5/8” (15 mm) to maximum of 2” (5 cm) at a rate of 0.5 gallons per 100 square feet (4-6). The handler PPE requirements may be reduced or modified as specified in the WPS.

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**MIXING INSTRUCTIONS**

1. Fill the spray tank with ½ to ¾ of the volume of water required before adding PHOSPHO-JET systemic fungicide.

2. Add PHOSPHO-JET systemic fungicide slowly to the tank and agitate by mechanical or hydraulic means.

3. Continue agitating as tank fills with water to the desired volume.

4. Maintain agitation during application.

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**INJECTION PROCEDURES**

General Guidelines:

Measure the tree diameter at chest height (54” from ground) in inches to find the Diameter at Breast Height (DBH). If measuring circumference, divide this number by three to determine Diameter at Breast Height (DBH).

Locate drill holes low in tree, generally in or near the trunk flare, 6” around the circumference of the tree. Do not inject into areas of obvious decay, canker or mechanical injury on the tree trunk.

Basic Arborjet Injection Procedures:

Drill holes 7/32” (5 mm) for STINGER™, 9/32” (7 mm) for the #3 Arborplug™ or 3/8” (9 mm) in diameter (for #4 Arborplug™) into live sapwood to a minimum depth of 5/16” (15 mm) to maximum of 2” (5 cm) at a right angle into the trunk uniformly around the tree circumference, using a sharp, clean drill bit. Initially apply no pressure to the drill; the bit will naturally cut through the bark. It will stop penetrating when it meets the harder sapwood. Next apply pressure to the drill to cut 5/8” to 2” into the sapwood.

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**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 any 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.
Insert an Arborplug®, and tap in using the set tool and mallet. Use the #3 (9/32") d or #4 (3/8") Arborplug® in hardwoods in conifers, use the #4 Arborplug®. Using the injection needle, pierce the internal septum to start the injection process. Shut off and remove the injection needle upon completion.

Resinous Confiers
In resinous confiers such as pine and spruce insert the injection needle and start liquid flow immediately after inserting the Arborplug® into the sapwood. A delay may reduce uptake due to resin flow. For trees exhibiting rapid resin flow (in spring during needle expansion), a deeper injection channel of 2” may assist in uptake.

Monocots
Inject into the trunk to lignified (hardened, woody) tissues typically within 2 to 3 ft. of the soil. Drill into the stem 4” deep using the 3/8” drill bit. Insert a #4 Arborplug®. Inject through the Arborplug®. Only one injection site is generally needed.

WHEN TO TREAT / TIMING OF STEM INJECTION APPLICATIONS

Tree Health and Growing Conditions: Apply prior to bud break in spring. Alternatively, make applications to trees in full leaf or after leaf senescence (coloration or drop) in fall. Moist conditions and moderate temperatures (i.e., >40 and <90° F) favor transpiration and are optimal for injection uptake.

Best results are obtained when treatments are applied prior to infection. Treat trees early, when foliar symptoms (e.g., spot, blotch, blight) affect less than 10% of the canopy. Anticipate historical early season foliar infections by treating prior to bud break for example, make application in late summer or early fall the year prior to infection.

Phytophthora root rot occurs most frequently in poorly drained and compacted soils. Suspectable species are at risk of infection following heavy precipitation or irrigation. Trees growing in low lying areas are also at risk of disease. Treat as early as possible in the infection cycle for best tree response.

For optimal uptake, apply when soil is moist, soil temperatures are above 40°F, ambient temperatures are between 60 to 90°F, and during the 24 hour period when transpiration is greatest, typically before 200 PM. Applications to drought or heat stressed trees may result in injury to tree tissue, poor treatment and subsequent control. Watering the trees prior to injection may enhance the uptake of PHOSPHO-JET®.

GENERAL TRUNK INJECTION APPLICATION INSTRUCTIONS

This product is for use with the ARBORJET TREE INJECTION SYSTEMS or those systems that meet the label and dosage requirements. Follow manufacturer’s directions for use.

Micro-injection Applications for Use as Formulated (Non-Diluted)

PHOSPHO-JET® may be applied undiluted or micro-injection. The PHOSPHO-JET® dose rates are 3.5 to 7.0 milliliters (mLs) per inch DBH. Use the 3.5 mLs rate in trees less than 12” in diameter. For trees 12” to 24” in diameter, apply 3.5 to 5.0 mLs per inch DBH. Use the higher rates of 5.0 to 7.0 mLs in trees greater than 24” in diameter.

Calculating Application Rate

The dosages and number of application sites are based on tree diameter.

To determine the application/dose rate per tree:
Measure the tree diameter in inches at chest height (54” from ground) to find the Diameter at Breast Height (DBH). (If measuring tree circumference, divide circumference by 3 to obtain the DBH in inches.)
Calculate the number of injection sites by dividing the DBH in inches by 2.
Multiply the tree DBH by the dosage rate (5.0 mLs per inch DBH) to calculate the total dose in milliliters per tree.
Divide the total dose by the number of injection sites to determine required dosage per injection site.

Example:
For a tree with a DBH of 10 inches (or circumference of 30 inches) and 15 mLs dose rate:
DBH = 10” (circumference 30” ÷ 3 = 10”)
Divide DBH of 10” by 2 = 5 injection sites.
Multiply DBH of 10” by 5 mLs = 50 mLs total dose per tree.
Divide 50 mLs by 5 injection sites = 10 mLs per injection site to deliver the required dosage.

Micro-injection Applications for Use as Dilute Injection

Ornamental, Forest, Conifers’ Narrow-Leaved Evergreens, and Crop Trees

CALCULATING APPLICATION RATE AND MIXING INSTRUCTIONS

To determine the application rate, refer to Table 1 for (1:1) dilution of PHOSPHO-JET®. Identify plant size by determining tree diameter in inches at breast height (DBH™) measured at approximately 54” above the ground line. If measuring tree circumference, divide circumference by 3 to obtain the DBH in inches.

In Table 1, 1 part PHOSPHO-JET® is diluted with 2 parts water. Determine the amount of PHOSPHO-JET® needed by multiplying inch of DBH by the rate used (3.5 mLs). For example, to treat a 10” tree, 35 mLs of PHOSPHO-JET® is required.

To prepare the injection solution, carefully add PHOSPHO-JET® to the tank. In the example of the 10” tree, add 35 mLs of PHOSPHO-JET®.

Next, fill the tank with the water to bring up to volume, close and agitate to mix. In the example of a 10” tree, 65 mLs of water is added. Therefore, to treat a 10” DBH using the standard dilution, use 35 mLs of PHOSPHO-JET® in 65 mLs water for a total injection volume of 100 mLs. Inject 20 mLs of the PHOSPHO-JET®/water solution every 6” of trunk circumference as directed Refer to Table 1 for specific dose applications for inch diameter of tree.

In Table 1 for (1:1) dilution of PHOSPHO-JET®. Identify plant size by determining tree diameter in inches at breast height (DBH™) measured at approximately 54” above the ground line. If measuring tree circumference, divide circumference by 3 to obtain the DBH in inches.

In Table 1, 1 part PHOSPHO-JET® is diluted with 2 parts water. Determine the amount of PHOSPHO-JET® needed by multiplying inch of DBH by the rate used (3.5 mLs). For example, to treat a 10” tree, 35 mLs of PHOSPHO-JET® is required.

To prepare the injection solution, carefully add PHOSPHO-JET® to the tank. In the example of the 10” tree, add 35 mLs of PHOSPHO-JET®.

Next, fill the tank with the water to bring up to volume, close and agitate to mix. In the example of a 10” tree, 65 mLs of water is added. Therefore, to treat a 10” DBH using the standard dilution, use 35 mLs of PHOSPHO-JET® in 65 mLs water for a total injection volume of 100 mLs. Inject 20 mLs of the PHOSPHO-JET®/water solution every 6” of trunk circumference as directed Refer to Table 1 for specific dose applications for inch diameter of tree.

TABLE 1

<table>
<thead>
<tr>
<th>Inch DBH</th>
<th>No. Injects</th>
<th>mLs PHOSPHO-JET®</th>
<th>mLs water</th>
<th>mLs total solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 – 8</td>
<td>3 – 4</td>
<td>21 – 28</td>
<td>40 – 51</td>
<td>61 – 79</td>
</tr>
<tr>
<td>9 – 12</td>
<td>5 – 6</td>
<td>35 – 42</td>
<td>67 – 80</td>
<td>102 – 120</td>
</tr>
<tr>
<td>13 – 16</td>
<td>7 – 8</td>
<td>49 – 56</td>
<td>93 – 107</td>
<td>142 – 160</td>
</tr>
<tr>
<td>17 – 20</td>
<td>9 – 10</td>
<td>63 – 70</td>
<td>120 – 133</td>
<td>180 – 200</td>
</tr>
<tr>
<td>21 – 24</td>
<td>11 – 12</td>
<td>77 – 84</td>
<td>147 – 160</td>
<td>224 – 240</td>
</tr>
<tr>
<td>37 – 40</td>
<td>19 – 20</td>
<td>133 – 140</td>
<td>253 – 266</td>
<td>380 – 400</td>
</tr>
</tbody>
</table>

*mLs solution = total dose per tree
**AVOCADOS**

Use PHOSPHO-JET® for effective control of root rot, trunk cankers and downy mildew disease in avocado.

<table>
<thead>
<tr>
<th>Disease</th>
<th>Application Method</th>
<th>Rate</th>
<th>Application Program</th>
</tr>
</thead>
<tbody>
<tr>
<td>Root rot (Phytophthora cactorum)</td>
<td>Foliar spray</td>
<td>2 quarts PHOSPHO-JET® in 100 gallons of water per acre</td>
<td>Spray run off as required for disease control.</td>
</tr>
<tr>
<td>Cranberry stem blight (Botryosphaeria dothidea)</td>
<td>Foliar spray</td>
<td>1 ¼ to 2 ½ quarts PHOSPHO-JET® per 100 gallons of water</td>
<td>Apply to sprout for best results.</td>
</tr>
<tr>
<td>Downy Mildew</td>
<td>Foliar spray</td>
<td>3 ½ pints in 100 to 500 gallons of water</td>
<td></td>
</tr>
</tbody>
</table>

**COCONUTS**

Use PHOSPHO-JET® for effective control of bud rot and nut fall in coconuts.

<table>
<thead>
<tr>
<th>Disease</th>
<th>Application Method</th>
<th>Rate</th>
<th>Application Program</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bud rot – Nut fall</td>
<td>Injection</td>
<td>Between 2 tsp. and 1 fl oz. per tree</td>
<td>Dilute PHOSPHO-JET® with water to give final injection volume of 1/2 fl oz to 2 fl oz of water and PHOSPHO-JET® into the trunk or root system.</td>
</tr>
</tbody>
</table>

**MANGOS**

Use PHOSPHO-JET® for effective control of suppression of Anthracnose in mangos.

<table>
<thead>
<tr>
<th>Disease</th>
<th>Application Method</th>
<th>Rate</th>
<th>Application Program</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anthracnose (Colletotrichum gloeosporioides)</td>
<td>Foliar spray</td>
<td>3 to 4 pts. PHOSPHO-JET® per 100 gallon of water</td>
<td>Spray tree every 14 days during blossom period, then monthly until harvest. Spray to the point of run-off.</td>
</tr>
</tbody>
</table>

**STONE FRUIT**

Use PHOSPHO-JET® for effective control of root rot, collar rot and almond pruning wound, and various cherry canker diseases, and suppression of amelioria in stone fruit such as, but not limited to, apricots, sweet and tart cherries, nectarines, peaches, plums, and fresh prunes.

<table>
<thead>
<tr>
<th>Disease</th>
<th>Application Method</th>
<th>Rate</th>
<th>Application Program</th>
</tr>
</thead>
<tbody>
<tr>
<td>Root and collar rot (Phytophthora coronafaciens)</td>
<td>Foliar spray</td>
<td>2 ½ quarts PHOSPHO-JET® in 250 gallons of water per acre</td>
<td>Three treatments are required.</td>
</tr>
<tr>
<td>Almond pruning – wound cankers (Phytophthora syringae)</td>
<td>Foliar spray</td>
<td>1 to 2 quarts PHOSPHO-JET® in 100 gallons of water per acre</td>
<td>Apply to pruning wound and surrounding area, ensure area is thoroughly wet. (2) high disease situation uses higher rate. Or paint wounds with concentrated solution.</td>
</tr>
<tr>
<td>Suppression of Amelioria root rot (Amelioria luteobubalin)</td>
<td>Basal bark spray</td>
<td>1 ½ to 2 quarts PHOSPHO-JET® + 2 ½ quarts water + 1 ½ Pentra-Bark™ Bark Penetrating Surfactant</td>
<td>Spray a combination of PHOSPHO-JET® and Pentra-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 scarring limbs, if present. Treat in spring and fall for best results.</td>
</tr>
</tbody>
</table>
**TREE NUTS**

Use PHOSPHO-JET<sup>®</sup> for effective control of root and collar rot, scabs and almond pruning-wound canker disease in tree nuts such as, but not limited to, almonds, beech nuts, Brazil nuts, butternuts, cashews, chestnuts, chinchipun, hickory nuts, macadamia nuts, pecans, pistachios, and walnuts. Prevention and control of 1,000 Canker Disease, Geosmithia morbida in Black and English Walnut, when used in a comprehensive spray program with an insecticide that control Walnut Twig Blight, Physotropus juglandis.  

<table>
<thead>
<tr>
<th>Disease</th>
<th>Application Method</th>
<th>Rate</th>
<th>Application Program</th>
</tr>
</thead>
<tbody>
<tr>
<td>Other than macadamia nuts: Root and collar rot (Physothora spp.)</td>
<td>Foliar spray</td>
<td>1.4 quarts PHOSPHO-JET&lt;sup&gt;®&lt;/sup&gt; in 125 gallons of water per acre</td>
<td>Three treatments are required: 1. Spring 2. Mid summer 3. Fall, post-harvest</td>
</tr>
<tr>
<td>Other than macadamia nuts: Almond pruning – wound canker (Physothora and Pythium spp.)</td>
<td>Paint or spray</td>
<td>2.7 quarts PHOSPHO-JET&lt;sup&gt;®&lt;/sup&gt; in 100 gallons of water</td>
<td>Apply to pruning wounds and surrounding area; ensure area is thoroughly wet.</td>
</tr>
<tr>
<td>Macadamia nuts: Raccoon blight (Physothora spp.)</td>
<td>Foliar spray</td>
<td>3.4 quarts PHOSPHO-JET&lt;sup&gt;®&lt;/sup&gt; in 250 gallons of water per acre</td>
<td>Apply when disease is first seen and amply at 3 week intervals. Spray to the point of run-off.</td>
</tr>
<tr>
<td>Root rot, crown rot, trunk cankers, foliar blights (Physothora and Pythium spp.)</td>
<td>Foliar spray</td>
<td>2 to 2.5 quarts PHOSPHO-JET&lt;sup&gt;®&lt;/sup&gt; in 100 gallons of water per acre</td>
<td>Begin application after plants are established and conditions favor disease development.</td>
</tr>
<tr>
<td>Foliar bacterial and fungal diseases, Anthracnose (Colletotrichum), hull rot (Monilia spp.), flower diseases (Cladosporium spp.), Alternaria leaf spots (Alternaria spp.), and raceme blight (Physothora and Pythium spp.)</td>
<td>Root Dip</td>
<td>Mix 0.5% volum/volume solution (2 quarts PHOSPHO-JET&lt;sup&gt;®&lt;/sup&gt; in 100 gallons of water).</td>
<td>Dip roots in the solution for 30 seconds. Plant within 48 hours. Mix a fresh solution daily.</td>
</tr>
</tbody>
</table>

**PRUNING METHODS**

Apply preventative as well as other treatment products shown to be effective against pecan scab.

**Grass Grown For Seed Production**

*GRASS SEED MIXTURES* For best results, do not apply less than 4 times per crop cycle. Do not apply higher rates 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. When applying to do not overspray and use care to apply only to target plants.

**SEED TREATMENT APPLICATIONS**

Use PHOSPHO-JET<sup>®</sup> 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 FDA approved dye [refer to 40 CFR 153–155 (c)]. Seed treatment on agricultural establishment in hopper-box, planter box, or other seed treating equipment must be an EPA approved dye. Do not use treatments that control these diseases on trees or apply before planting is within the scope of WPS, while commercial treatment of seeds is not within the scope of WPS.

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**SEED TREATMENT APPLICATIONS**

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**Anthracnose**

Foliar spray 2 to 2 ½ quarts PHOSPHO-JET® in 50 gallons of water per acre or a 1% solution sprayed to run-off

Basil bark spray

Spray to thoroughly wet all foliage. Application intervals 7 to 14 days. Repeat as required.

**Bacterial blight** *(Xanthomonas campestris)*

Foliar spray

2 to 4 pints PHOSPHO-JET® per 100 gallons of water

OR

2 to 4 tbsp PHOSPHO-JET® per gallon of water

**Downy mildew** *(Gloeosporium helianthi)*

Foliar spray

1 ½ to 2 ½ quarts PHOSPHO-JET® in 100 gallons of water per acre

**Soil drench**

6 to 12 oz. PHOSPHO-JET® per cubic yard of soil

**Soil incorporation**

1 to 2 pints PHOSPHO-JET® per cubic yard of soil

**Barerooted drip applications**

2 pints PHOSPHO-JET® per cubic yard of soil

**Spray**

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.

**Bare rooted transplants**

Apply 2 to 2 ½ quarts PHOSPHO-JET® in 50 gallons of water per acre

**Suppression of Anthracnose**

Foliar spray

1 to 2 quarts PHOSPHO-JET® in 100 gallons of water

**Suppression of Verticillium wilt**

Foliar spray

2 quarts PHOSPHO-JET® in 100 gallons of water

**Suppression of Verticillium wilt** Suppression of Armillaria

Foliar spray

1 ½ to 2 quarts PHOSPHO-JET® in 100 gallons of water

**Phytophthora spp., Phytophthora ramorum, and Pythium spp.**

Foliar spray

1 to 2 quart PHOSPHO-JET® per 100 gallons of water

OR

2 to 4 tbsp PHOSPHO-JET® per gallon of water

**Ornamental Applications**

Use the PHOSPHO-JET® for effective control of bacterial blight, Downy mildew, Phytophthora spp., and Pythium spp. Diseases and for suppression of Anthracnose and blights on Ornamentals in landscapes, nurseries, gardens, parks, intenscapes, and greenhouses. Apply PHOSPHO-JET® to plants such as but not limited to: *Aglaonema, Anthurium, Alocasia, Aronbee, Aucuba, Azalea, Bougainvillea, Boxwood, Cateleya, skinner, Ceanothus, Cotoneaster, Cusia, Differabachia, English ivy, Eucalyptus, Ficus, Hibiscus, Japanese an- dronedema, Japanese Holly, Leather leaf Fern, Pieris, Podocarp, Photinia, Pittosporum, Pho-Podocarpus, Pines, Pothos, Rhododendron, Roses (container, field, landscape, and mini varieties), Schefflera, Sedum, Semprevivum, Syngonium, Spattiphyllum, Taxus media, and Ziyaocastu.

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 in a state of dormancy. Do not exceed indicated spray intervals or label rates in order to avoid plant injury.

**Black Spot Roses**

2 quarts per 100 gallons or 0.5% solution concentration

**Landscape, Golf Course, Nursery, Forestry, and Park Applications [cont]**

![Table 2: Dilution (1:30) for use with Tree IV for Sudden Oak Death. Apply 40 mLs of solution per injection site.](image-url)
### NURSERY AND BEDDING PLANTS
Use PHOSPHO-JET® for effective control of Downy mildew, Phytophthora spp., and Pythium spp. diseases of BEDDING PLANTS grown in landscapes, nurseries and golf courses, parks, interiorniches, and greenhouses. Apply PHOSPHO-JET® to plants such as, but not limited to, Ageratum, Aglaonema, Algerian Ivy, Anthurium, Aphelandra, Arborvitae, Artesian, Babys Baskets, Begonia, Bougainvillea, Boxwood, Caladium, Carnation, Cattleya, Cinnauros, Chrysanthemum, Cissus, Coleus, Columbine, Corteze, Daylily, Dielphne, Diefenaebacha, Dogwood, Eeaster Lily, English Ivy, Ficus, Foxglove, Gallardia, Geranium, Gladiola, Hibiscus, Impatiens, Japanese Holly Junipers, Lavender, Leather-Box Ferns, Magnolia, Monkey Paws, Pansies, Parrotia, Peganum, Pinks, Pittosporum, Poinsetta, Pothos, Primrose, Prostrate Rosemary, Rhododendron, Salvia, Schiefera, Sedum, Semprevivum, Snapdrag, Spathiphyllum, Taxis Media, Verbena, Vinca, White Cedar, White Pine, Zitternia, and Zygocactus. PHOSPHO-JET® may also be used for Vegetable Transplants grown in Greenhouse, Lath house, 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 it only to apply to target plants. If meeting these conditions is not possible, remove plants to an outdoor location for treatment and drying before bringing back indoors.

<table>
<thead>
<tr>
<th>Disease</th>
<th>Application Method</th>
<th>Rate</th>
<th>Application Program</th>
</tr>
</thead>
<tbody>
<tr>
<td>Downy Mildew</td>
<td>Foliar spray</td>
<td>1 to 2 tsp. PHOSPHO-JET® per 100 gallons of water</td>
<td>Apply spray to thoroughly wet all foliage. Application intervals: 14 to 21 days. Repeat as required.</td>
</tr>
<tr>
<td><strong>Phytophthora spp. and Pythium spp.</strong></td>
<td>Foliar spray</td>
<td>1 to 2 quarts PHOSPHO-JET® per 100 gallons of water</td>
<td>Apply spray to thoroughly wet all foliage. Application intervals: 14 to 21 days. Repeat as required. <strong>Note</strong>: Do not apply more than 500 gallons of spray solution per acre.</td>
</tr>
<tr>
<td>Soil drench</td>
<td>6 to 12 fl. oz. PHOSPHO-JET® per 100 gallons of water</td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td><strong>Phytophthora spp.</strong></td>
<td>Foliar spray</td>
<td>2 quarts PHOSPHO-JET® per acre</td>
<td>Apply spray in 20–60 gallons per acre.</td>
</tr>
<tr>
<td>Hand gun</td>
<td>2 quarts PHOSPHO-JET® per 100 gallons of water</td>
<td>Apply spray to thoroughly wet all foliage.</td>
<td></td>
</tr>
</tbody>
</table>

*Lavender applications.

### CONIFERS IN COMMERCIAL NURSERIES, PLANTATIONS AND FORESTS (INCLUDING CHRISTMAS TREES)
Apply PHOSPHO-JET® 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.

<table>
<thead>
<tr>
<th>Disease</th>
<th>Application Method</th>
<th>Rate</th>
<th>Application Program</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phytophthora</td>
<td>Foliar spray</td>
<td>1 to 2 quarts PHOSPHO-JET® per 100 gallons of water</td>
<td>Apply spray to thoroughly wet all foliage. Application intervals: 14 to 21 days. Repeat as required.</td>
</tr>
<tr>
<td>Soil drench</td>
<td>1 to 2 quarts PHOSPHO-JET® per 100 gallons of water</td>
<td>Apply each 25 gallons of solution per spray application.</td>
<td></td>
</tr>
<tr>
<td>Bare root</td>
<td>1 quart PHOSPHO-JET® per 100 gallons of water</td>
<td>Immediately before transplanting, dip transplants for two minutes; keep roots submerged and ensure root mass is thoroughly wet.</td>
<td></td>
</tr>
<tr>
<td>Fusarium subglu- tinans (Pine Pitch Canker)</td>
<td>Basal bark spray</td>
<td>5 to 10 gallons of PHOSPHO-JET® per 2 tsp. PHOSPHO-JET® per gallon of water</td>
<td>Spray a combination of PHOSPHO-JET® and Pentra-Bark® around the complete circumference of the tree trunk until saturation/runoff. Spray from ground level up to 5 feet above the soil line.</td>
</tr>
<tr>
<td>Injection</td>
<td>20 to 35 ml per 10” DIH tree of PHOSPHO-JET® + sufficient water to bring volume up to 100 ml.</td>
<td>Apply 20 ml of solution by injection every 6” of tree circumference. Refer to Table 1 for specific tree size/rate instruction</td>
<td></td>
</tr>
</tbody>
</table>

*Do not graze livestock in treated areas of conifer nurseries or plantations. Do not feed forage from treated areas of conifer nurseries or plantations.

### TURF
Use PHOSPHO-JET® for the effective control of Rhizoctonia, Pythium and damping-off diseases, and for suppression of Antennaria 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.

<table>
<thead>
<tr>
<th>Disease</th>
<th>Application Method</th>
<th>Rate</th>
<th>Application Program</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pythium</td>
<td>Foliar spray</td>
<td>5 to 10 fl. oz. PHOSPHO-JET® per 1000 sq. ft.</td>
<td>Apply indicated quantity of product in 1 to 2 gallons of water per 1000 sq. ft. Ensure foliage is thoroughly wet. Application intervals: 14 to 21 days. Repeat as required. Do not irrigate or mow treated areas until spray has completely dried.</td>
</tr>
<tr>
<td>Suppression of Anthracnose</td>
<td>Foliar spray</td>
<td>5 to 10 fl. oz. PHOSPHO-JET® per 1000 sq. ft.</td>
<td>Apply indicated quantity of product in 2.5 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.</td>
</tr>
<tr>
<td>Suppression of Pink Snow mold</td>
<td>Foliar spray</td>
<td>5 to 10 fl. oz. PHOSPHO-JET® in 2 gallons of water per 1000 sq. ft.</td>
<td>Apply when temperatures and conditions favor disease development and outbreaks, or apply in fall prior to onset of winter with no snow mold controlling fungicide.</td>
</tr>
<tr>
<td>Suppression of Rhihodotia</td>
<td>Foliar spray</td>
<td>5 to 10 fl. oz. PHOSPHO-JET® in 2 gallons of water per 1000 sq. ft.</td>
<td>Apply prior to onset of disease. Apply every 7 to 14 days.</td>
</tr>
</tbody>
</table>

### TURF TANK MIXTURES
For the effective control of summer stress complex caused by a complex of Rhizoctonia and Pythium diseases, tank-mix PHOSPHO-JET® 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.

<table>
<thead>
<tr>
<th>Product</th>
<th>Disease</th>
<th>Rate per 1000 sq. ft.</th>
<th>Application Program</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHOSPHO-JET® + (mancozeb-containing fungicide)*</td>
<td>Summer Stress Complex, Rhizoctonia &amp; Pythium</td>
<td>5 to 10 fl. oz. PHOSPHO-JET® + (mancozeb-containing fungicide)*</td>
<td>Apply indicated quantity of product in 1 to 5 gallons 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.</td>
</tr>
</tbody>
</table>

*Follow product label rate.

Do not graze turf 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.

### 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 use or refill this container. Triple rinse container (or equivalent) promptly prior to emptying.

*Use the following with containers with a capacity of 5 gallons or less: 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 1/4 full with water. Repeat and refill the container, remaining contents 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.

*Use the following with containers with a capacity greater than 5 gallons: Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip the container on its side and roll it back and forth, insuring 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. Then offer for recycling if available or reconditioning if appropriate, or puncture and dispose of in a sanitary landfill, or by incineration.

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

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**Do not graze livestock in treated areas of conifer nurseries or plantations. Do not feed forage from treated areas of plantations and/or nurseries.**