PHOSPHO-jet®

SYSTEMIC FUNGICIDE

Systemic fungicide for the suppression of various plant diseases including root rot in avocado and citrus, bud rot and nut fall in coconut, black spot, scab, fire blight in apple, anthracnose in mango, sycamore, and dogwood, Phytophthora (causative of Sudden Oak Death) in oak, and for effective control of Phytophthora and Pythium diseases associated with stem and canker blight, mango Decline, and general tree declines in landscapes.

ACTIVE INGREDIENT:
Mono- and di-potassium salts of Phosphorous Acid

45.8%

OTHER INGREDIENTS:

54.2%

TOTAL:
100.0%

EPA Reg No. 74578.3 • EPA Est No. 74578-MA-001
Net Contents: 1.057 Quarts (1 Liter)
Contains: 5.4/16gil of the active ingredients, mono- and di-potassium salts of Phosphorous acid.
Equivalent to 1.30 lb Phosphorous acid.

KEEP OUT OF REACH OF CHILDREN

CAUTION

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

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

FIRST AID

• If swallowed: a) If person is conscious, call a poison control center or doctor for treatment advice. b) Have the product container or label with you when calling a poison control center or going for treatment. c) If person is unconscious, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.

• If in eyes: a) Hold eye open and rinse slowly and gently with water for 15-20 minutes. b) Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.

• If on skin or clothing: a) Take off contaminated clothing. b) Rinse skin immediately with plenty of water for 15-20 minutes.

• If inhaled: a) Move person to fresh air. b) If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferable mouth-to-mouth, if possible.

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

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.

EXAMPLES

To treat a 10” DBH oak for root rot, see Table 1. Add 50 ml of PHOSPHO-jet (10” DBH x 5ml) into 100 ml (2 x 50 ml) water for a total injection volume of 150 ml. Inject 30 ml of the PHOSPHO-jet/water solution every 6” of trunk circumference as directed in Supplemental Label Arborjet Injection Procedures.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

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

PERSONAL PROTECTIVE EQUIPMENT (PPE):

Applicators 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:

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 rinsates.

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

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 4 hours.

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, 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.

TABLE 1: PHOSPHO-jet® USE AND APPLICATION RATES

<table>
<thead>
<tr>
<th>Plant Disease</th>
<th>Plant Size (DBH*)</th>
<th>Rate (ml/DBH*)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ornamental &amp; Forest Trees</td>
<td>Root Rot (Phytophthora spp. including P. ramorum, P. cinnamomi, P. palmivora, P. cactorum), Anthracnose, Apple scab (Venturia inaequalis)</td>
<td>&lt;12” 12-23” 24-35” 36”+</td>
</tr>
<tr>
<td>Conifers, grown in commercial nurseries, plantations, and forest (including Christmas tree farms)</td>
<td>Root Rot (Phytophthora spp. including P. ramorum, P. cinnamomi)</td>
<td>6-8” 9-11” 12-14” 15-23” 24-32” 33”+</td>
</tr>
<tr>
<td>Crop Trees</td>
<td>Disease</td>
<td>Plant Size (DBH*)</td>
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<tr>
<td>Avocados</td>
<td>Root Rot (Phytophthora cinnamomi, P. citrotica)</td>
<td>6-8” 9-11” 12-14” 15-23” 24-32” 33”+</td>
</tr>
<tr>
<td>Citrus (mature trees)</td>
<td>Root, Foot and Collar Rot (Phytophthora spp. including P. nicotianae, P. cactorum)</td>
<td>6-8” 9-11” 12-14” 15-23” 24-32” 33”+</td>
</tr>
<tr>
<td>Coconuts</td>
<td>Bud &amp; Nut Fall (Phytophthora palmivora)</td>
<td>6-8” 9-11” 12-14” 15-23” 24-32” 33”+</td>
</tr>
<tr>
<td>Apples, Pears, Loquats, Quince</td>
<td>Fire Blight (Erwinia amylovora); Apple Scab (Venturia inaequalis); Black Spot (Diplocarpon rosae)</td>
<td>6-8” 9-11” 12-14” 15-23” 24-32” 33”+</td>
</tr>
<tr>
<td>Tree nuts such as Almonds, Walnuts</td>
<td>Root and Collar Rot (Phytophthora spp.)</td>
<td>6-8” 9-11” 12-14” 15-23” 24-32” 33”+</td>
</tr>
</tbody>
</table>

Manufactured by: ARBORJET Inc., 99 Blueberry Hill Road, Walburn, MA 01801 (781) 721-0795
and inspect for visual effects of phytotoxicity (leaf burn) 3-7 days later. If mixture remains in solution or is remixed readily, the tank mixture is compatible.

In order to determine the application rate per tree:
1) Measure the trunk circumference 4 feet above the soil line.
2) Divide the number of inches of circumference by 6 to determine the number of injection sites.
3) Each 10 ml solution injection will have 3.5 ml PHOSPHO-jet and 6.5 ml water.
4) Multiply the number of injection sites by 3.5 to determine the amount of PHOSPHO-jet needed.
5) Multiply the number of injection sites by 6.5 to determine the amount of water needed.
6) Fill the tank with the water before adding PHOSPHO-jet.
7) Add PHOSPHO-jet slowly to the tank to reach the total amount of solution desired. (Total volume should equal number of injection sites x 10 ml). Close and gently agitate to mix.

Example: A trunk has a circumference of 48”.
Dividing by 6 = 8 injection sites. Multiplying by 3.5 = 28 ml PHOSPHO-jet. Multiplying by 6.5 = 52 ml water.

For multiple or asymmetrical trunks, measure the tree canopy at the drip line. The application rate is one 10ml injection per yard of canopy diameter.

Example: If the canopy diameter is 18 feet (6 yards), there will be 6 injection sites. Prepare a treatment solution with 21 ml PHOSPHO-jet (6 x 3.5 ml) added to 39 ml of water (6 x 6.5 ml) for a total volume of 60 ml (6 injection sites of 10 ml each).

Note: 324 ml (11 fl. oz) PHOSPHO-jet + 624 ml (21 fl. oz) water makes one quart of solution.

WHEN TO TREAT/TIMING OF STEM INJECTION APPLICATIONS

Tree Health and Growing Conditions:
Best results are obtained when treatments are performed prior to infection. Treat trees when foliar symptoms (e.g., spot, defoliation, dieback) affect less than 10% of the canopy. Anticipate early season foliar infections, by treating prior to bud break (for example, apple scab).

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 45°F, ambient temperatures are between 40°F 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.

COMPATIBILITY

PHOSPHO-jet is compatible with most products used in agriculture. However, individual crop sensitivity to these mixtures may vary. Mixtures of PHOSPHO-jet with 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 with fertilizers only if crop safety has been established and the PHOSPHO-jet use rates are followed.

Due to PHOSPHO-jet’s acidic nature, do not use acidifying-type compatibility agents. If adjuvants are used, test them before use to confirm compatibility with PHOSPHO-jet.

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

Spray the solution that results from the above compatibility test onto a few plants until foliage is visibly wet and inspect for visual effects of phytotoxicity (leaf burn) 3-7 days later.