



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

September 17, 2019

Donna Bishel  
Director of Regulatory Affairs  
BioSafe Systems, LLC  
22 Meadow Street  
East Hartford, CT 06108

Subject: Non-PRIA (Pesticide Registration Improvement Act) Labeling Amendment – Acceptable Revisions to Directions for Use and Warranty Statement  
Product Name: OxiPhos  
EPA Registration Number: 70299-22  
Application Date: 09/04/2019  
OPP Decision Number: 555200

Dear Ms. Bishel:

The amended labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable.

This approval does not affect any terms or conditions that were previously imposed on this registration. You continue to be subject to existing terms or conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one (1) copy of the final printed labeling before you release this product for shipment with the new labeling. In accordance with 40 CFR § 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR § 152.3.

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

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or misleading statements or claims substantially differing from the EPA-approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance Assurance.

Your release for shipment of this product constitutes acceptance of these terms. If these terms are not complied with, this registration will be subject to cancellation in accordance with FIFRA section 6.

If you have any questions, please contact Anna O'Neil by phone at (703) 347-8274 or via email at [oneil.anna@epa.gov](mailto:oneil.anna@epa.gov).

Sincerely,

A handwritten signature in blue ink that reads "Andrew C. Bryceland". The signature is fluid and cursive, with the first name being the most prominent.

Andrew Bryceland, Team Leader  
Biochemical Pesticides Branch  
Biopesticides and Pollution  
Prevention Division (7511P)  
Office of Pesticide Programs

Enclosure

**ACCEPTED**

09/17/2019

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 70299-22

# OxiPhos

**Active Ingredients:**

Mono- and di-potassium salts of phosphorus acid\*.....27.1%  
\*contains 17.7% phosphorus acid by wt.

Hydrogen Peroxide.....14.0%

**Other Ingredients:**.....58.9%

**Total:**.....100.0%

\*Contains 2.96 pounds/gallon of mono- and di-potassium salts of phosphorous acid, equivalent to 1.93 pounds of phosphorous acid per gallon.

**KEEP OUT OF REACH OF CHILDREN  
DANGER- PELIGRO**

*Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.*  
(If you do not understand this label, find someone to explain it to you in detail.)

<b>FIRST AID</b>	
<b>If on skin or clothing</b>	<ul style="list-style-type: none"><li>• Take off contaminated clothing.</li><li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
<b>If in eyes</b>	<ul style="list-style-type: none"><li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li><li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
<b>If swallowed</b>	<ul style="list-style-type: none"><li>• Call a poison control center or doctor immediately for treatment advice.</li><li>• Have person sip a glass of water if able to swallow.</li><li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li><li>• Do not give anything by mouth to an unconscious person.</li></ul>
<b>If inhaled</b>	<ul style="list-style-type: none"><li>• Move person to fresh air.</li><li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-222-1222 for emergency medical treatment information.	
<b>NOTE TO PHYSICIAN</b>	
Probable mucosal damage may contraindicate the use of gastric lavage.	

See (back) (side) (inside) panel (label) (booklet) for additional precautionary statements and directions for use.

**EPA Registration No.** 70299-22

Batch Code \_\_\_\_\_

**EPA Establishment No.** 067441-IL-001, 082521-GA-001, 70299-NV-1, 70299-NV-2, 92957-MI-001

**Manufactured by:**

BioSafe Systems, LLC  
22 Meadow Street  
East Hartford, CT 06108  
(888) 273-3088

**Net Contents:** (32 fl. oz, 2 liter, 1, 2.5, 5, 30, 55, and 275 gallon)

**[Note to reviewer: Text in brackets [ ] is optional.]**

**PRECAUTIONARY STATEMENTS**  
**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**DANGER:** Corrosive. Causes skin burns. Causes irreversible eye damage. Harmful if swallowed. Harmful if inhaled. Avoid breathing vapor or spray mist. Do not get in eyes, on skin, or on clothing. 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.

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

Handlers who may be exposed to the undiluted product through mixing, loading, application, or other tasks must wear: coveralls over long-sleeved shirt and long pants, rubber gloves, chemical resistant footwear plus socks, and protective eyewear (goggles or face shield). Handlers who may be exposed to the dilute through application or other tasks must wear: long-sleeved shirt and long pants, and shoes plus socks. Follow manufacturer's instructions for cleaning / maintaining PPE. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product. Do not reuse them. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

**ENGINEERING CONTROL STATEMENTS**

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d) (4-5)], the handler PPE requirements may be reduced or modified as specified in the WPS.

**USER SAFETY RECOMMENDATIONS**

Users should remove 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, or 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 wash waters or rinsate. This pesticide is toxic to birds. This pesticide is toxic to fish and aquatic organisms. Do not apply to water. Drift and runoff from treated areas may be hazardous to fish and aquatic organisms in adjacent aquatic sites.

**DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Do not apply this product through any irrigation system unless the chemigation instructions on this label are followed. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the State or Tribal agency responsible for pesticide regulation.

**Agricultural Use Requirements**

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 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 intervals (REI). The requirements in this box apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow entry into treated areas during the Restricted Entry Interval (REI) of 4 hours. PPE required for early entry into treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated such as plants, soil, or water, is:

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks

There is a Restricted Entry Interval (REI) of zero (0) hours for chemigation, pre-plant dip, seed treatment, soil drench, soil incorporation, tree injection or paint, or other non-spraying application methods when used in enclosed environments such as glasshouses and greenhouses.

For field applications:

Keep unprotected persons out of treated areas until sprays have dried.

#### **Non-Agricultural Use Requirements**

The requirements in 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. For other uses including golf courses and other non-agricultural uses, do not enter treated areas without protective clothing until sprays have dried.

**[Optional Text:** OxiPhos is a liquid bactericide/fungicide used to treat and control plant pathogens on [field-grown crops], [greenhouse-grown crops], [turf], [ornamental] and [bedding plants]. Apply OxiPhos up to and including the day of harvest. See the label for a complete list of plant pathogens.]

#### **APPLICATION DIRECTIONS**

Mixing this product with certain surfactants, foliar fertilizers, or other pesticides can cause crop injury. Determine crop sensitivity to a particular combination by spraying a small area of foliage and fruit. Evaluate 3 to 7 days later for adverse effects.

Do not use at higher than labeled rates as leaf burn may result. Not every species or variety of plants have been tested for its tolerance to this product. Since OxiPhos has not been tested on all plant species, it is always advisable to test OxiPhos on a few plants before treating large numbers.

Determine the compatibility of this product with any other product by mixing approximately 1 pint of this product spray solution with other products in the same proportion and order as the contemplated use. The mixture will typically show signs of incompatibility within 5 to 15 minutes. Do not use this mixture if any signs of incompatibility appear. If a tank mixture is being considered, read and follow all directions and precautions on this product label and on the labels of any products that will be used in the tank mixture.

Mixing of this product with other products has been known to increase the salt content and the potential for fruit burn. Environmental factors that could exasperate burn potential include applying product during the following conditions: 1) temperatures above 90°F, 2) shortly after a rain event, 3) during color break of the fruit. Apply with extreme caution when these conditions exist. Determine crop sensitivity to these factors by spraying small areas of foliage and fruit. Evaluate 7 to 10 days later for adverse effects.

**[Optional Text:** For use in [turf], [landscape], [nursery], [bedding] and [ornamental plants], and [agricultural], [greenhouse] and [indoor] and [outdoor] grown crops.]

**[Optional Text:** OxiPhos may be used across multiple crops including: green, leafy, and flowering plants, and all agricultural crops including food crops.]

**PREHARVEST INTERVAL: PHI = Zero (0) Days.** OxiPhos can be sprayed up to and including the day of harvest.

## Application Instructions

### Crops and Diseases

Crop	Disease	Rate	Application Method	Directions
<b>Alfalfa</b>	Bacterial Wilt, Downy Mildew	2.5-5.0 Quarts/A	Foliar Spray	Apply product as a dilute spray (Not to exceed 2.5% v/v (1:40) concentration in water). Ensure complete coverage of foliage. Repeat applications on a 7-14 day interval.
<b>Asparagus</b>	Crown and Spear Rot ( <i>Phytophthora</i> spp.)	2.5-5.0 Quarts/A	Foliar Spray	Apply to ferns that have 2 to 3 inches of new growth. Do not apply to ferns that are starting to die down. Established plantings start applications when conditions are favorable to disease (cool, wet conditions). Ensure thorough coverage.
<b>Avocado</b>	Canker and Crown Rot ( <i>Phytophthora citricola</i> ), Root Rot ( <i>Phytophthora cinnamomi</i> )	2.5-5.0 Quarts/A	Trunk Spray	For trunk spray, thoroughly wet the lesions present on the trunk. Also, spray thoroughly on any fresh wounds from pruning. Repeat applications as required.
			Foliar Spray	Apply product as a dilute spray (Not to exceed 2.5% v/v (1:40) concentration in water). Spray to run-off as required. Repeat applications on a 7-14 day interval.
			Trunk Injection	As a trunk injection, use 6 teaspoons per linear yard of canopy width or 2 inch of trunk diameter at breast height (DBH). Inject directly into tree. Repeat 2-4 times a year as required. Follow injection equipment instructions when applying the product.
			Root Dip	As a pre-plant root dip, use 2.0 quarts per 100 gallons of water and dip the roots for at least 30 seconds. Plant within 24 hrs. after dipping.
			Irrigation (Sprinkler or Drip)	When applying through irrigation, make first application immediately after planting and repeat applications on a 14-21 day interval.
<b>Berries: Including, but not limited to: Blackberry, Blueberry, Cranberry, Raspberry</b>	Bacterial Blight/Canker, Downy Mildew, Root Rot ( <i>Phytophthora</i> spp.)	2.5-5.0 Quarts/A	Foliar Spray	Apply product as a dilute spray (Not to exceed 2.5% v/v (1:40) concentration in water). Ensure complete coverage of foliage. Repeat applications on a 7-14 day interval.
			Root Dip	As a pre-plant dip, mix 2.0 quarts per 100 gallons of water and dip the roots for at least 30 seconds. Plant within 24 hrs. after dipping.
			Irrigation (Overhead/Drip)	When applying through irrigation, make first application immediately after planting (For new plantings) and repeat on a 2-3 week interval as required.
<b>Bulb Vegetables: Including, but not limited to: Garlic, Green Onions, Leeks, Onions, Scallions, Shallots</b>	Bacterial Leaf Blight, Bacterial Soft Rot, Downy Mildew	2.5-5.0 Quarts/A	Foliar Spray	Apply product as a dilute spray (Not to exceed 2.5% v/v (1:40) concentration in water). Ensure complete coverage of foliage. Repeat applications on a 7-14 day interval.
			Irrigation (Overhead/Drip)	For Bacterial Soft Rot control, start applications when onions start to bulb and repeat applications on a 14-21 day interval until harvest.
<b>Cereal Grains &amp;</b>	Bacterial Blight,	2.5-5.0	Foliar Spray	Apply product as a dilute spray (not to



<b>Commodities: Including, but not limited to:</b> Barley, Corn (field), Millet, Oats, Popcorn, Rice, Rye, Sorghum (Milo), Soybeans, Sweet Corn, Wheat, Wild Rice	Downy Mildew	Quarts/A		exceed 2.5% v/v (1:40) concentration in water). Ensure complete coverage of foliage. Repeat applications on a 7-14 day interval.
<b>Citrus Crops: Including, but not limited to:</b> Citrus Hybrids, Grapefruit, Kumquat, Lemon, Limes, Orange, Tangerine	<i>Gummosis/Foot Rot/Root Rot (Phytophthora spp.), Citrus Canker</i>	2.5-5.0 Quarts/A	Foliar Spray	As a foliar spray, make preventative foliar applications during spring and fall. Ensure complete coverage (about 100-250 gal/acre).
			Trunk Spray	As a trunk spray, mix in 5-10 gallons of water and apply directly to trunk lesions. Use higher rate when lesions are present.
			Irrigation (Drip, Microsprinkler, Overhead)	When applying through irrigation, make first application immediately after planting and repeat applications on a 14-21 day interval.
			Drench	As a seedling drench, mix 0.5-1.0 gallon per 100 gallons of water. Apply 0.5 pints of solution per seedling in a 2 gallon soil sleeve or pot once every 2 months. Test for phytotoxicity on seedlings when using highest rate.  For Citrus Canker control, start applications in early spring and continue applications until early Fall (a total of 9-10 applications on a 14-21 day interval). Ensure complete coverage of foliage (about 100-250 gal/acre).
<b>Cole Crops, Including, but not limited to:</b> Broccoli, Brussels Sprouts, Cabbage, Cauliflower, Collards, Kale	Black Rot, Downy Mildew	2.0-5.0 Quarts/A	Foliar Spray	Apply product as a dilute spray (not to exceed 2.5% v/v (1:40) concentration in water). Ensure complete coverage of foliage. Repeat applications on a 7-14 day interval.
<b>Cucurbit Crops: Including, but not limited to:</b> Cucumber, Melons, Pumpkin, Squash	Root and Fruit Rot ( <i>Phytophthora</i> spp.), Downy Mildew, Powdery Mildew, Angular Leaf Spot	2.0-5.0 Quarts/A	Foliar Spray	Apply product as a dilute spray (not to exceed 2.5% v/v (1:40) concentration in water). Ensure complete coverage of foliage. Repeat applications on a 7-14 day interval.
			Irrigation (Overhead/Drip)	When applying through irrigation, make first application immediately after planting and repeat applications on a 14-21 day interval.
<b>Fruiting Vegetables: Including, but not limited to:</b> Eggplant, Peppers, Tomato, Tomatillo	Late Blight and Root Rot ( <i>Phytophthora infestans</i> and <i>Phytophthora</i> spp.), Bacterial Spot and Speck, Powdery Mildew, Bacterial Wilt	2.5-5.0 Quarts/A	Foliar Spray	Apply product as a dilute spray (not to exceed 2.5% v/v (1:40) concentration in water). Ensure complete coverage of foliage. Repeat applications on a 7-14 day interval.
			Irrigation (Overhead/Drip)	When applying through irrigation, make first application immediately after planting and repeat applications on a 14-21 day interval.
<b>Ginseng</b>	Foliar and Root Rot ( <i>Phytophthora cactorum</i> )	2.5-5.0 Quarts/A	Foliar Spray	Apply product as a dilute spray (not to exceed 2.5% v/v (1:40) concentration in water). Ensure complete coverage of foliage. Repeat applications on a 7-14 day interval.
<b>Grapes</b>	Downy Mildew, Powdery Mildew	2.5-5.0 Quarts/A	Foliar Spray	Apply product as a dilute spray (not to exceed 2.5% v/v (1:40) concentration in

				water). Ensure complete coverage of foliage. Repeat applications on a 7-14 day interval.
<b>Herbs and Spices: Including, but not limited to:</b> Basil, Chives, Cilantro, Coriander, Dill, Mint, Rosemary, Sage	Downy Mildew, Bacterial Leaf Spot	2.5-5.0 Quarts/A	Foliar Spray	Apply product as a dilute spray (not to exceed 2.5% v/v (1:40) concentration in water). Ensure complete coverage of foliage. Repeat applications on a 7-14 day interval.
<b>Hops</b>	Downy Mildew, Powdery Mildew	5.0 Quarts/A	Foliar Spray	Apply product as a dilute spray (not to exceed 2.5% v/v (1:40) concentration in water). Ensure complete coverage of foliage. Repeat applications on a 7-14 day interval.
<b>Kiwifruit</b>	Phytophthora Root and Crown Rot	2.5-5.0 Quarts/A	Foliar Spray	Apply product as a dilute spray (not to exceed 2.5% v/v (1:40) concentration in water). Ensure complete coverage of foliage. Repeat applications on a 7-14 day interval.
			Irrigation (Overhead/Drip)	When applying through irrigation, make first application immediately after planting and repeat applications on a 14-21 day interval.
			Root Dip	As a root dip, use 2.0 quarts per 100 gallons of Water. Dip the roots for at least 30 seconds and plant within 24 hrs. after dipping.
<b>Leafy Vegetables: Including, but not limited to:</b> Arugula, Celery, Chicory Root, Endive, Fennel, Lettuce Spinach, Rhubarb, Radicchio, Swiss Chard	Bacterial Leaf Spot, Downy Mildew, Powdery Mildew	1.0-5.0 Quarts/A	Foliar Spray	Apply product as a dilute spray (not to exceed 2.5% v/v (1:40) concentration in water). Ensure complete coverage of foliage. Repeat applications on a 7-14 day interval.
<b>Legumes: Including, but not limited to:</b> Chick Peas, Dry Beans, Lima Beans, Peas, Snap Beans	Bacterial Blight, Powdery Mildew, <i>Pythium</i> spp., Downy Mildew	2.5-5.0 Quarts/A	Foliar Spray	Apply product as a dilute spray (not to exceed 2.5% v/v (1:40) concentration in water). Ensure complete coverage of foliage. Repeat applications on a 7-14 day interval.
<b>Papaya</b>	Phytophthora Root Rot	2.5-5.0 Quarts/A	Foliar Spray	Apply product as a dilute spray (not to exceed 2.5% v/v (1:40) concentration in water). Ensure complete coverage of foliage. Repeat applications on a 7-14 day interval.
<b>Peanuts</b>	Damping-off and Pod Rot ( <i>Pythium</i> spp.)	2.5-5.0 Quarts/A	Foliar Spray	Make 1-2 applications immediately after planting and repeat during pegging stage (60-90 days after planting).
			Irrigation (Overhead)	When applying through irrigation, make first application immediately after planting and repeat applications on a 14-21 day interval.
<b>Pineapple</b>	Phytophthora Root and Heart Rot	2.5-5.0 Quarts/A	Pre-Plant Dip	As a pre-plant dip of slips, use 2.5 quarts per 100 gallons of water. Dip the slips for at least 30 seconds prior to planting.
			Foliar Spray	For established planting, apply as a foliar spray using 100 gallons of spray mixture per acre. Ensure thorough coverage. Repeat applications once a month.
<b>Pome Fruit: Including, but not limited to:</b> Apple, Pear, Loquat, Mayhaw, Quince	Root and Collar Rot ( <i>Phytophthora cactorum</i> ), Fire Blight ( <i>Erwinia amylovora</i> ), Fly Speck, Sooty Blotch	1.3-5.0 Quarts/A	Foliar Spray	For Fire Blight control, make applications during bloom and petal fall stages.  Apply product as a dilute spray (not to exceed 2.5% v/v (1:40) concentration in water). Ensure thorough spray coverage.



<b>Potato</b> Pre-Harvest	Late Blight ( <i>Phytophthora infestans</i> ), Pink Rot ( <i>Phytophthora erythroseptica</i> ), Pythium Leak ( <i>Pythium</i> spp.)	2.5-10 Quarts/A	Foliar Spray	Apply once every 7-14 days depending on disease conditions. Product can be rotated with other fungicides labeled for Late Blight.
		4.0-10 Quarts/A	In-furrow	As an in-furrow application, apply in a band directly over the seed pieces prior to row closure using 5-10 gallons of water per acre. Additional in-season foliar applications may be necessary.
<b>Potato</b> Post-Harvest	Pink Rot ( <i>Phytophthora erythroseptica</i> ), Late Blight ( <i>Phytophthora infestans</i> ), Pythium Leak ( <i>Pythium</i> spp.), Bacterial Soft Rot, Early Blight, Fusarium Tuber Rot, Silver Scurf	6.4-25.6 fl. oz./ton of potatoes	Post-harvest Spray/ Fog/Direct Injection into humidification water	As a spray, mix product in 0.25-1.0 gallon of water per ton of potatoes (1:5 dilution). Ensure complete and even coverage.  Use higher rates when high disease pressure is expected due to wet conditions in the field.  As a fog, make first application immediately after potatoes are stored and repeat as necessary during the storage season.
<b>Sugarbeet</b>	Botrytis Storage Rot, Bacterial Leaf Spot/Leaf Blight, Pythium/ Phytophthora Root Rots	2.56-12.8 fl. oz./ton of sugarbeets	Post-Harvest Spray	As a post-harvest spray, mix in 0.25-0.5 gallons of water per ton and spray thoroughly before going into storage.
		2.5-5.0 Quarts/ ton of sugarbeets	Foliar Spray	Apply product as a dilute spray (not to exceed 2.5% v/v (1:40) concentration in water). Ensure thorough spray coverage.
		2.5-5.0 Quarts/ ton of sugarbeets	Irrigation	When applying through irrigation, make first application immediately after planting and repeat applications on a 14-21 day interval.
<b>Other Root &amp; Tuber Vegetables:</b> <b>Including, but not limited to:</b> Artichoke, Beet, Carrot, Horseradish, Parsnip, Radish, Rutabaga, Sweet Potato, Taro, Turnip, Yams	Bacterial Soft Rot, Bacterial Leaf Blight, Powdery Mildew, <i>Pythium</i> / <i>Phytophthora</i> spp.	2.5-5.0 Quarts/A	Foliar Spray	Apply product as a dilute spray (not to exceed 2.5% v/v (1:40) concentration in water). Ensure thorough spray coverage.
			Irrigation (Overhead/Drip)	When applying through irrigation, make first application immediately after planting and repeat applications on a 14-21 day interval as required.
<b>Stone Fruit:</b> <b>Including, but not limited to:</b> Apricot, Cherry, Nectarine, Peach, Plum, Prune	Bacterial Canker, Powdery Mildew, Phytophthora Root and Crown Rot	2.5-5.0 Quarts/A	Foliar Spray	Apply product as a dilute spray (not to exceed 2.5% v/v (1:40) concentration in water). Ensure thorough spray coverage.
			Irrigation (Overhead/Drip)	When applying through irrigation, make first application immediately after planting and repeat applications on a 14-21 day interval.
<b>Strawberry</b>	Angular Leaf Spot, Powdery Mildew, Red Stele ( <i>Phytophthora fragariae</i> ), Leather Rot ( <i>Phytophthora cactorum</i> ), Phytophthora Crown Rot	2.5-5.0 Quarts/A	Foliar Spray	Apply product as a dilute spray (not to exceed 2.5% v/v (1:40) concentration in water). Ensure thorough spray coverage. Repeat applications on a 7-14 day interval as required.
			Pre-planting dip	As a pre-plant dip, use 2.5 quarts per 100 gallons of water. Dip roots and crowns for at least 2 minutes prior to planting.
			Irrigation (Drip)	When applying through irrigation, make first application immediately after planting and repeat applications on a 14-21 day interval as required.

<b>Tobacco</b>	Blue Mold Black Shank ( <i>Phytophthora</i> spp.)	2.5-5.0 Quarts/A	Foliar Spray	Apply product as a dilute spray (not to exceed 2.5% v/v (1:40) concentration in water) after transplants have been established. Ensure thorough spray coverage. Repeat applications on a 7-14 day interval.
			Irrigation (Overhead/Drip)	When applying through irrigation, make first application immediately after planting and repeat applications on a 14-21 day interval.
<b>Tree Nuts: Including, but not limited to:</b> Almond, Brazil Nut, Cashew, Filbert, Macadamia, Pecan, Pistachio, Walnut	Bacterial Canker, Powdery Mildew, Phytophthora Root and Crown Rot, Almond Pruning- Wound Cankers ( <i>Phytophthora syringae</i> ), Phytophthora Raceme blight, Pecan Scab	2.5-5.0 Quarts/A	Foliar Spray	Apply product as a dilute spray (not to exceed 2.5% v/v (1:40) concentration in water). Ensure thorough spray coverage. Repeat applications on a 7-14 day interval as required.
			Paint or Spray	As a paint/spray, apply diluted solution to the pruning wound area.
			Irrigation (Overhead/Drip)	When applying through irrigation, make first application immediately after planting and repeat applications on a 14-21 day interval.

### ORNAMENTALS

Apply this product for effective control of Downy Mildew, diseases caused by *Phytophthora* spp. and *Pythium* spp., Sudden Oak Death of ornamentals in landscapes and bacterial diseases caused by certain pathovars of *Xanthomonas* and *Pseudomonas* spp. Apply OxiPhos to plants including but not limited to: Aglaonema, Aphelandra, Arborvitae, Azaleas, Bougainvillea, Boxwood, Cattelya skinneri, Ceanothus, Cotoneaster, Cissus, Diffenbachia, English ivy, Eucalyptus, Ficus, Flowering Plants, Hibiscus, Japanese andromeda, Japanese Holly, Leather leaf Fern, Peperomia, Photinia, Pittosporum, Philodendron, Pieris, Pothos, Rhododendron, Roses (container, landscape, mini varieties), Schefflera, Sedum, Sempervivum, Syngonium, Spathiphyllum, Taxus media, and Zygocactus. Make applications before disease development and in conjunction with good cultural management practices. Use higher rate of application when disease pressure is severe. To prevent plant injury, do not exceed the rates or application frequency. Do not apply to plants that are heat or moisture stressed.

Disease	Dilution Rate	Application Method	Application Rate	Directions
Downy Mildew	1:100-1:300	Foliar Spray	1.3-4.0 Quarts of OxiPhos per 100 gallons of water	Apply at first sign of disease and repeat as needed at a 7-14 day interval. Ensure thorough wetness of all foliage. Use the higher rate when disease pressure is severe.
	1:500-1:1000	Soil Drench	12.8-25.6 fl. oz. per 100 gallons of water	As a drench, apply 1-2 pints of mixed solution per sq. ft. Repeat as necessary.
Bacterial Blight, Bacterial Leaf Spot, Root/Crown Rot or Foliar Blight (caused by <i>Phytophthora</i> spp. or <i>Pythium</i> spp.)	1:100-1:300	Foliar Spray	1.3-4.0 Quarts of OxiPhos per 100 gallons of water	Apply at first sign of disease and repeat as needed at a 7-14 day interval. Ensure thorough wetness of all foliage. Use the higher rate when disease pressure is severe.
	1:500-1:1000	Soil Drench	12.8-25.6 fl. oz. per 100 gallons of water	As a drench, apply 1-2 pints of mixed solution per sq. ft. Repeat as necessary.
	1:500	Transplant Dip	2.56 fl. oz. per 10 gallons of water	Dip the transplants for at least 30 seconds immediately before transplanting. Ensure root mass is thoroughly wet.

OxiPhos; EPA Reg. No. 70299-22  
Amendment

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### **BEDDING PLANTS**

Apply OxiPhos for effective control of Downy Mildew and diseases caused by *Phytophthora* spp. and *Pythium* spp. in bedding plants. Use on bedding plant species including but not limited to: Ageratum, Algerian Ivy, Anthurium, Artemesia, Aster, Begonia, Baby's Breath, Caladium, Carnation, Chrysanthemum, Columbine, Coleus, Daisy, Delphinium, Easter Lily, English Ivy, Foxglove, Gaillardia, Geranium, Gloxinia, Impatiens, Marigold, Petunia, Pansy, Phlox, Pinks, Poinsettia, Primrose, Prostrate Rosemary, Salvia, Snapdragon, Vinca, Verbena, and Zinnia. Make applications before disease development and in conjunction with good cultural management practices. Use higher rate of application when disease pressure is severe. To prevent plant injury, do not exceed the rates or application frequency. Do not apply to plants that are heat or moisture stressed.

<b>Disease</b>	<b>Dilution Rate</b>	<b>Application Method</b>	<b>Application Rate</b>	<b>Directions</b>
Downy Mildew	1:100-1:300	Foliar Spray	1.3-4.0 Quarts of OxiPhos per 100 gallons of water	Apply at first sign of disease and repeat as needed at a 7-14 day interval. Ensure thorough wetness of all foliage. Use the higher rate when disease pressure is severe.
	1:500-1:1000	Soil Drench	12.8-25.6 fl. oz. per 100 gallons of water	As a drench, apply 1-2 pints of mixed solution per sq. ft. Repeat as necessary.
Bacterial Blight, Bacterial Leaf Spot, Root/Crown Rot or Foliar Blight (caused by <i>Phytophthora</i> spp. or <i>Pythium</i> spp.)	1:100-1:300	Foliar Spray	1.3-4.0 Quarts of OxiPhos per 100 gallons of water	Apply at first sign of disease and repeat as needed at a 7-14 day interval. Ensure thorough wetness of all foliage. Use the higher rate when disease pressure is severe.
	1:500-1:1000	Soil Drench	12.8-25.6 fl. oz. per 100 gallons of water	As a drench, apply 1-2 pints of mixed solution per sq. ft. Repeat as necessary.
	1:500	Transplant Dip	2.56 fl. oz. per 10 gallons of water	Dip the transplants for at least 30 seconds immediately before transplanting. Ensure root mass is thoroughly wet.

### **CONIFERS**

Apply OxiPhos 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. Do not exceed indicated application rates or apply more often than stated on label in order to avoid plant injury. Do not apply to trees that are moisture or heat stressed.

<b>Disease</b>	<b>Dilution Rate</b>	<b>Application Method</b>	<b>Application Rate</b>	<b>Directions</b>
<i>Phytophthora</i> Root Rot	1:100-1:300	Foliar Spray	1.3-4.0 Quarts of OxiPhos per 100 gallons of water	Apply at first sign of disease and repeat as needed at a 7-14 day interval. Ensure thorough wetness of all foliage. Use the higher rate when disease pressure is severe.
	1:500-1:1000	Soil Drench	12.8-25.6 fl. oz. per 100 gallons of water	As a drench, apply 1-2 pints of mixed solution per sq. ft. Repeat as necessary.
	1:500	Transplant Dip	2.56 fl. oz. per 10 gallons of water	Dip the transplants for at least 30 seconds immediately before transplanting. Ensure root mass is thoroughly wet.

## TURF

Apply this product to turf grasses, such as those found on golf courses and sod farms, for the control of *Pythium* diseases and Yellow Tuft.

Disease	Application Method	Application Rate	Directions
Pythium Blight, Yellow Tuft	Foliar Spray	8.0-12.0 fl. oz. per 1000 sq. ft.	Apply in 1-5 gallons of water per 1000 sq. ft. Ensure foliage is thoroughly wet. Repeat as required at a 14-21 day application interval. Do not irrigate or mow treated areas until spray had completely dried.

### **CHEMIGATION:**

#### **General Requirements -**

- 1) Apply this product only through a drip system or sprinkler including center pivot, lateral move, end tow, side (wheel) roll, traveler, big gun, solid set, hand move, flood (basin), furrow, border or drip (trickle) irrigation systems. Do not apply this product through any other type of irrigation system.
- 2) Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water.
- 3) If you have questions about calibration, contact State Extension Service specialists, equipment manufacturers or other experts.
- 4) 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.
- 5) 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 as needed.
- 6) Posting of areas to be chemigated is required when 1) any part of a treated area is within 300 feet of sensitive areas such as residential areas, labor camps, businesses, day care centers, hospitals, in-patient clinics, nursing homes or any public areas such as schools, parks, playgrounds, or other public facilities not including public roads, or 2) when the chemigated area is open to the public such as golf courses or retail greenhouses.
- 7) Posting must conform to the following requirements. Treated areas shall be posted with signs at all usual points of entry and along likely routes of approach from the listed sensitive areas. When there are no usual points of entry, signs must be posted in the corners of the treated areas and in any other location affording maximum visibility to sensitive areas. The printed side of the sign must face away from the treated area towards the sensitive area. The signs shall be printed in English. Signs must be posted prior to application and must remain posted until foliage has dried and soil surface water has disappeared. Signs may remain in place indefinitely as long as they are composed of materials to prevent deterioration and maintain legibility for the duration of the posting period.
- 8) All words shall consist of letters at least 2.5 inches tall, and all letters and the symbol shall be a color which sharply contrasts with their immediate background. At the top of the sign shall be the words KEEP OUT, followed by an octagonal stop sign symbol at least 8 inches in diameter containing the word STOP. Below the symbol shall be the words PESTICIDES IN IRRIGATION WATER.

#### **Specific Requirements for Chemigation Systems Connected to Public Water Systems -**

- 1) Public water system means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year.

- 2) Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone, backflow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system must be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.
- 3) The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
- 4) The pesticide injection pipeline must 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.
- 5) The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops or in cases where there is no water pump, when the water pressure decreases to the point where pesticide distribution is adversely affected.
- 6) 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.
- 7) Do not apply when wind speed favors drift beyond the area intended for treatment.

**Specific Requirements for Sprinkler Chemigation -**

- 1) The 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.
- 2) The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
- 3) 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.
- 4) The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
- 5) 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.
- 6) 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 filled with a system interlock.
- 7) Do not apply when wind speed favors drift beyond the area intended for treatment.

**Specific Requirements for Flood (Basin), Furrow and Border Chemigation -**

- 1) Systems using a gravity flow pesticide dispensing system must meter the pesticide into the water at the head of the field and downstream of a hydraulic discontinuity such as a drop structure or weir box to decrease potential for water source contamination from backflow if water flow stops.
- 2) The systems utilizing a pressurized water and pesticide injection system must meet the following requirements:
  - a. The 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.
  - b. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.



- c. 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.
- d. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
- e. 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.
- f. 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 filled with a system interlock.

**Specific Requirements for Drip (Trickle) Chemigation -**

- 1) The system must contain a functional check valve, a vacuum relief valve and low-pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.
- 2) The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
- 3) 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.
- 4) The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
- 5) 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.
- 6) 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 filled with a system interlock.

**Application Instructions -**

- 1) Remove scale, pesticide residues, and other foreign matter from the chemical supply tank and entire injector system. Flush with clean water until no scale or pesticide residues are present. Failure to provide a clean tank, void of scale or residues may cause product to lose effectiveness or strength.
- 2) Determine the treatment rates as indicated in the directions for use and make proper dilutions.
- 3) Prepare a solution in the chemical tank by filling the tank with the required amount of water and then adding product as required. The product will immediately go into suspension without any agitation.
- 4) Do not apply OxiPhos in conjunction with any other pesticides or fertilizers; this has the potential to cause reduced performance of the product.



## STORAGE AND DISPOSAL

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

### PESTICIDE STORAGE

Store in original containers in a cool, well-vented area, away from direct sunlight. Do not allow product to become overheated in storage. This may cause increased degradation of the product, which will decrease product effectiveness. In case of spill, flood area with large quantities of water. Do not store in a manner where cross-contamination with other pesticides or fertilizers could occur.

### PESTICIDE DISPOSAL

Pesticide wastes may be hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label directions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

### CONTAINER HANDLING:

**(Containers equal to or less than 5 gallons):** Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container  $\frac{1}{4}$  full with water 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. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration. Do not burn, unless allowed by state and local ordinances. If burned, stay out of smoke.

**(Containers greater than 5 gallons):** Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container  $\frac{1}{4}$  full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution for 30 seconds. Stand the container on its end and tip it back and forth several times. 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 puncture and dispose of in a sanitary landfill, or by incineration. Do not burn, unless allowed by state and local ordinances. If burned, stay out of smoke.

## CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions, presence of other materials or other influencing factors in the use of the product, which are beyond the control of BIOSAFE SYSTEMS LLC or Seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold BIOSAFE SYSTEMS LLC and Seller harmless for any claims relating to such factors, to the extent consistent with applicable law.

BIOSAFE SYSTEMS LLC warrants that this product conforms to the *chemical* description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above when used in accordance with directions under normal use conditions. To the extent consistent with applicable law, this warranty does not extend to the use of the product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of Seller or BIOSAFE SYSTEMS LLC, and Buyer and User assume the risk of any such use. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BIOSAFE SYSTEMS LLC MAKES NO WARRANTIES OF MERCHANTABILITY FOR A PARTICULAR PURPOSE, NOR ANY OTHER EXPRESSED OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

To the extent consistent with applicable law, in no event shall BIOSAFE SYSTEMS LLC or Seller be liable for any incidental, consequential or special damages resulting from the use or handling of this product. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF BIOSAFE SYSTEMS LLC AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF BIOSAFE SYSTEMS LLC OR SELLER, THE REPLACEMENT OF THE PRODUCT.

BIOSAFE SYSTEMS LLC and Seller offer this product, and Buyer and User accept it, subject to the foregoing Conditions of Sale and Limitation of Warranty and Liability, which may not be modified except by written agreement signed by a duly authorized representative of BIOSAFE SYSTEMS LLC.

### Optional Label Claims

- Fungicide
- Bactericide
- Broad Spectrum
- Broad Spectrum Bactericide/Fungicide
- Preventative treatment for ornamental plants and turf.
- A treatment for the prevention and suppression / control of horticultural diseases in Greenhouses, Garden Centers, Landscapes, Nurseries
- A treatment for the prevention and control of plant pathogens in field grown crops, commercial greenhouses, and storage sites.
- A post harvest treatment for the prevention and control of plant pathogens on potatoes and sugarbeets
- Made in USA
- Improve Crop Quality in Storage
- Biopesticide
- Promotes plant growth and increases yield
- Controls soil borne and foliar diseases
- Field and Greenhouse uses
- Easily mixes with water- no agitation required
- For use in irrigation systems
- For Use on Crops, Turf and Ornamentals
- Bactericide/Fungicide