

Phos Pro Fungicide

Systemic Fungicide for the Control of {List of Diseases taken from Directions for Use}
on Fruits, Vegetables and Ornamental Plants

ACCEPTED
October 22, 2004
Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 70908-4

Active Ingredient:

Phosphorous acid, potassium salts*	55.45%
Other Ingredients	44.55%
Total	100.00%

*40.72% Monopotassium phosphite and 14.73% Dipotassium phosphite

Keep Out of Reach of Children
CAUTION
See back panel for additional
precautionary statements.

Net Contents: ____ fl. oz. [Gal(s).]

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EPA Reg. No. 70908-U EPA Est. 70908-CA-1

{Back Panel}

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 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 agency responsible for pesticide registration.

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 interval. The requirements in this box apply only to uses of this product that are covered by the Worker Protection Standard. Do not enter treated areas without protective clothing until sprays have dried.

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, and nurseries or in greenhouses. Do not enter treated areas without protective clothing until sprays have dried.

PHOS PRO Fungicide is an effective systemic product for control of various diseases when used according to label directions.

Mixing Instructions:

1. Fill the spray tank with 1/2 of the required volume of water prior to the addition of PHOS PRO.
2. Add PHOS PRO to the tank and agitate.
3. Continue to fill tank with water to desired volume while agitating.

Compatibility:

PHOS PRO is compatible with most products used in agriculture. However, crop sensitivity may vary. In particular, foliar Copper compounds may be phytotoxic. If combinations have not been previously used, do not tank mix unless first performing a compatibility and phytotoxicity test.

Application:

Apply PHOS PRO with sufficient water volumes to obtain adequate coverage of foliage. The volume will vary by crop and growth stage.

Aerial Application: Use 1 to 4 pints per acre in a minimum of 10 gallons of water (1.1 to 4.5 liters per hectare/95 liters water). **Ground Application:** Use 1 to 4 pints per acre in a minimum of 20 gallons of water (1.1 to 4.5 liters per hectare/182 liters water).

Do not exceed 20% volume/volume product concentration.

Crop	Disease	Rate (Pints / Acre)	Comments
Asparagus	Septoria, crown rot <i>Phytophthora</i> spp.	2-4	Apply to fully expanded ferns. Do not apply at beginning of senescence.
Avocado	Root rot <i>Phytophthora cinnamomi</i>	2-4	Spray to run-off. Apply at beginning of growing season, at 60 days intervals or as needed.
Bananas	Root disease complex	2-4	Apply up to four applications per year evenly spaced at 3 to 4 months intervals.
Blueberries	Root rot <i>Phytophthora</i> spp. Alternaria fruit rot <i>Alternaria tenuissima</i> Anthracnose fruit rot <i>Collectotrichum gloeosporioides</i>	2-4	Apply in early spring at pink bud stage and continue at 14 to 21 days intervals as full coverage spray.
Brassica crop group	Downey mildew <i>Peronospora parasitica</i>	2-4	Apply when conditions favor disease (high moisture, moderate temperature). Apply at 7 to 21 days interval.
Citrus	Foot and root rot Brown rot <i>Phytophthora</i> spp.	2-4	Spray as full coverage to run-off when conditions favor disease development.
	Alternaria brown rot <i>Alternaria</i> spp.		Apply in spring at sing of first new growth; apply subsequent applications at 30-days intervals as needed.
Cucurbit crop group	Root and fruit rot Downy mildew <i>Peronospora parasitica</i> <i>Phytophthora</i> spp.	2-4	Apply when conditions favor disease development (2-3 weeks after planting, start of active growth, early bloom, fruit set). Apply at 10 to 14 days interval as needed.
Grapes	Downy mildew (<i>Plasmopara viticola</i>) Grey mold (<i>Botrytis cinerea</i>)	2-4	Apply when conditions are favorable for disease (high moisture, moderate temperatures). Apply at 14 to 21 days interval as needed.
Hops	Downey mildew <i>Pseudoperonospora humili</i>	2-4	Apply when conditions favor disease (warm and humid). Apply the first application when shoots are 6 to 12 inches high, the second application after training when vines are 5 to 6 feet high, the third application three weeks later and the fourth application at bloom.
Leafy vegetable crops	Downey mildew <i>Bremia lactucae</i> <i>Peronospora</i> spp.	2-4	Apply when conditions favor disease development (2-3 weeks after planting, start of active growth, early bloom, fruit set). Apply at 10-14 days interval as needed.
Onions (dry bulb)	Downy mildew <i>Peronospora destructor</i> Purple blotch <i>Alternaria porri</i>	2-4	For best results, use as preventive disease control. Apply when conditions favor disease (high humidity and cool evening temperatures) on a 7 to 14 days interval or as needed.
Pineapples	Heart rot <i>Phytophthora parasitica</i>	2-4	Apply when conditions favor disease (after excessive rainfall) at 2 to 3 months intervals or as needed.

Crop	Disease	Rate (Pints / Acre)	Comments
Some fruit crop group	Fire blight <i>Erwinia amylovora</i>	2-4	Apply in spring when conditions favor disease development. Apply as thorough coverage at 4 to 7 days interval for control. Fall application prior to leaf drop reduces inoculum in next year's newly forming bud tissue.
	Apple blister spot <i>Pseudomonas syringae</i>		Apply at blossom in pink stage, make additional applications at 7 to 10 days interval.
	Collar and root rot <i>Phytophthora</i> spp.		Apply when conditions favor disease, at 30 to 60 days intervals, as full coverage. Use lower rate under moderate disease conditions.
Stone fruit crop group	Collar and root rot <i>Phytophthora</i> spp.	2-4	Apply when conditions favor disease at 60 days intervals or as needed.
Strawberries	<i>Phytophthora</i> spp.	2-4	Apply when conditions favor disease development (2-3 weeks after planting start of active growth, early bloom, fruit set). Apply at 10 to 14 days interval as needed.
Tomatoes	Root rot <i>Phytophthora</i> spp. Damping off <i>Pythium</i> spp.	2-4	Apply at 2-4 leaf stage or after transplanting. Apply at 7 to 10 days interval.

Ornamental and Bedding Plants: For use in field nursery, greenhouse, landscaping for control of diseases caused by *Pythium*, *Phytophthora*, *Botrytis*, *Alternaria*, downy mildew (*Peronospora*), fire blight (*Erwinia*) and bacterial blight (*Xanthomonas*).

Ornamental plants such as Aglaonema, Aphelandra, Azalea, Bougainvillea, Boxwood, Cottelya, Conifers, Cissus, Dieffenbachia, Hibiscus, Juniper, Fern, Pittosporum, Philodendron, Pothos, Rhododendron, Spathiphyllum and Taxus. **Foliar Application:** Use 2 to 4 pints per acre in 100 to 400 gallons of water as necessary every 30 days. **Drench Application:** Use 4 pints per 100 gallons of water applied over 400 sq. ft. (2 pints of prepared solution per square foot) every 30 days as necessary.

Bedding Plants such as Alysium, Begonia, Geranium, Impatiens, Marigold, Pansy, Petunia, Snap Dragon, Vinca and Zinnia. **Foliar Application:** Use 2 to 4 pints per acre in 100 to 400 gallons of water every 30 days as needed.

Conifers such as firs, spruce and pines to prevent *Phytophthora* root rot. **Foliar Application:** use 2 to 4 pints per acre in 100 to 400 gallons of water every 30 days as needed. **Dip Treatments:** Use 4 pints in 100 gallons of water, dip transplants immediately before transplanting to thoroughly wet plants and root mass. Wear chemical resistant gloves, goggles or face shield when making dip treatments.

Roses. To control Downy mildew (*peronospora sparsa*) in field, container and landscape. **Foliar Application:** Use 2 to 4 pints per acre in 100 to 400 gallons of water every 7 to 10 days as needed.

Plants such as Pyracantha Hawthorne ornamental pear. Fire Blight (*Erwinia amylovora*) suppression. **Foliar Application:** Use 4 pints in 100 to 400 gallons of water when conditions favor disease. Make first application at pre-bloom stage and continue at 7 to 10 days intervals as needed until bloom period ends.

Plants such as anthurium, dieffenbachia, ficus, ivy, schefflera, spathaphyllum and syngonium. *Dieffenbachiae. fici. pathovars hederae, syngoni* and *xanthomonas campestris* suppression. **Foliar Application:** Use 2 to 4 pints per acre in 100 to 400 gallons of water at 7 to 10 days intervals as needed.

Storage and Disposal

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

Storage: Store in a cool, dry (preferably locked) storage area inaccessible to children and domestic animals and away from heat or open flame. Protect from freezing. **Pesticide Disposal:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. **Container Disposal:** Triple rinse, or equivalent; offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed state and local authorities, by burning. If burned, stay out of smoke.

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION: Harmful if swallowed or absorbed through the skin. Avoid contact with skin or clothing. Wash thoroughly with soap and water after handling.

Personal Protective Equipment (PPE)

Applicators and other handlers must wear protective eyewear, long pants and long-sleeved shirt, waterproof gloves and shoes plus socks.

Follow manufacturer's instructions for maintaining/cleaning personal protective equipment (PPE). If no such instructions are provided 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 170.24(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 immediately if pesticide gets inside. then thoroughly wash and put on clean clothing.

First Aid

If Swallowed	<ul style="list-style-type: none"> • Immediately call a poison control center or doctor for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by the poison control center or doctor. • Do not give anything by mouth to an unconscious person.
If on Skin or Clothing	<ul style="list-style-type: none"> • Take off contaminated clothing. • Immediately rinse skin with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. [You may also contact 1-800-xxx-xxxx for emergency medical treatment information.]

Note: The First Aid statements' grid format will be used if market label space permits; otherwise a paragraph format will be used.

Physical or Chemical Hazards

Combustible. Do not use or store near heat or open flame.

Environmental Hazards

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

[] Denotes alternate/optional language

{ } Denotes language that does not appear on the market labeling