

42519-22

04/15/2010

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

APR 15 2010

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

Frederick T. Smith  
Agent (SciReg, Inc.)  
Luxembourg-Pamol, Inc.  
5100 Poplar Ave., Suite 2700  
Memphis, TN 38137

RE: Product Name: ProPhyt®  
EPA Reg. No: 42519-22  
Application for Label Notification Dated March 31, 2010 to add CA use to  
cranberries and to make minor label changes per PR Notice 98-10.

Dear Mr. Smith:

The Biopesticides and Pollution Prevention Division is in receipt of your application for Notification under Pesticide Registration (PR) Notice 98-10 dated above. A preliminary screen of this request has been conducted for its applicability under PR Notice 98-10 and it has been determined that the action(s) requested falls within the scope of PR Notice 98-10. Our records have been duly noted, and the label submitted with this application has been stamped "Notification Accepted" and will be placed accordingly in our records.

If you have any questions concerning this action, please feel free to contact Ms. Menyon Adams at (703) 347-8496 or email at [adams.menyon@epa.gov](mailto:adams.menyon@epa.gov).

Sincerely,

*Linda Hollis*

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

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United States  
**Environmental Protection Agency**  
 Washington, DC 20460

<input type="checkbox"/>	Registration
<input type="checkbox"/>	Amendment
<input checked="" type="checkbox"/>	Other

OPP Identifier Number

**Application for Pesticide - Section I**

1. Company/Product Number 42519-22	2. EPA Product Manager L. Hollis	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Luxembourg-Pamol, Inc./ProPhyt	PM# 91	
5. Name and Address of Applicant (Include ZIP Code)  Luxembourg-Pamol, Inc. 5100 Poplar Ave.; Suite 2700 Memphis, TN 38137  <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

**Section - II**

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____	<b>Notification Accepted</b> Date: <b>APR 15 2010</b> Reviewer: <i>Marylin Adams</i>
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.	
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.	

Explanation: Use additional page(s) if necessary. (For section I and Section II.)  
 Notification of minor label changes per PR Notice 98-10.  
 This notification is consistent with the provisions of PR Notice 98-10, PR Notice 2007-4, and EPA regulations at 40 CFR 152.46, 156.10, 156.140, 156.144, 156.146, and 156.156. No other changes have been made to the labeling or the Confidential Statement of Formula for this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10, PR Notice 2007-4, and 40 CFR 152.46, 156.10, 156.140, 156.144, 156.146, and 156.156, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

**Section - III**

1. Material This Product Will Be Packaged In:				2. Type of Container	
Chlid-Resistant Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____		
* Certification must be submitted		If "Yes" Unit Packaging wgt. No. Per Container			
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/> On label. <input type="checkbox"/> On label accompanying product.	
5. Manner in Which Label is Affixed to Product			<input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled <input type="checkbox"/> Other _____		

**Section - IV**

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)					
Name Frederick T. Smith		Title Agent (SciReg, Inc.)		Telephone No. (Include Area Code) 703/494-6500	
<b>Certification</b> I certify that the statements which I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.					6. Date Application Received (Stamped)
2. Signature <i>Frederick T. Smith</i>		3. Title Agent (SciReg, Inc.)			
4. Typed Name Frederick T. Smith		5. Date 3/31/10			

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**SciReg, Inc.**  
Science and Regulatory Consultants

March 31, 2010

Ms. Linda Hollis  
Document Processing Desk (NOTIF)  
Document Processing Desk (7504P)  
Office of Pesticide Programs  
U.S. Environmental Protection Agency  
One Potomac Yard  
2777 S. Crystal Drive  
Arlington, VA 22202

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Re: ProPhyt (EPA Reg. No. 42519-22)  
- Notification consistent with PR Notice 98-10

Dear Ms. Hollis:


On behalf of Luxembourg-Pamol, Inc., SciReg, Inc. is submitting a notification consistent with PR Notice 98-10.

Note that on February 12, 2010, SciReg submitted another notification for this product that included the addition of an asterisk for cranberries to indicate the product is not for use in California. Luxembourg has since realized that ProPhyt is registered for use on cranberries in California and the asterisk was erroneously included. See the attached letter from DPR. See also the attached January 11, 2010 EPA stamped-accepted label for this product that shows cranberries without an asterisk.

Two copies of the revised label, one of which is redlined to show the changes, are included.

Should you have any questions, please let me know.

Sincerely,



Frederick T. Smith  
Senior Regulatory Specialist

Enclosures



(Back Panel)

**PRECAUTIONARY STATEMENTS****Hazards to Humans and Domestic Animals****CAUTION**

Harmful if swallowed or if absorbed through skin. Causes eye irritation. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling, and before eating, drinking, chewing gum, using tobacco, or using the toilet.

**Personal Protective Equipment (PPE):**

Applicators and other handlers must wear:

- long-sleeved shirt and long pants
- waterproof gloves
- shoes plus socks

Follow manufacturer's instructions for cleaning/maintaining PPE. Keep and wash PPE separately from other laundry.

**User Safety Recommendations:** 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 highwater mark. Do not contaminate water when disposing of equipment washwater or rinsate.

**DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. For any requirements specific to your State or Tribe, consult the State or tribal agency responsible for pesticide regulation. 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.

**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 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 of 4 hours unless wearing appropriate PPE.

PPE requirement for early entry to 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:

- coveralls
- waterproof gloves
- shoes plus socks

## CHEMIGATION

### General Chemigation Information

1. Apply this product only through drip (trickle), microjet, center pivot, solid set, hand move, or moving wheel irrigation system that does not contain aluminum components. 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, you should 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 should the need arise.
6. Equip the pesticide supply tank with a means for continuous agitation either recirculation or mechanical agitator. Fill the supply tank with the appropriate amount of water and add the ProPhyt<sup>®</sup> slowly followed by any other products that are compatible and labeled for chemigation. Observe all cautions and limitations on the label of all products used in the mixtures. For fixed position irrigation systems such as center pivot etc., apply the pesticide toward the end of the irrigation cycle. Exact timing will depend upon the desired ProPhyt<sup>®</sup> application rate and the calibration of the system. For moving systems, apply the ProPhyt<sup>®</sup> continuously. In all cases, maintain thorough coverage of the crop.

### 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, back flow 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 should be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the flow 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.
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.

#### **For Drip (Trickle) Chemigation and Sprinkler Chemigation Systems:**

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 back flow.
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 dosed, 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 fitted with a system interlock.
7. Do not apply when wind speed favors drift beyond the area intended for treatment.

#### **GENERAL INFORMATION**

ProPhyt<sup>®</sup> is a systemic product, which contains phosphorous acid. Phosphorous acid is effective in prevention and control of downy mildew and *Phytophthora*, by activation of the plants' natural resistance mechanism, as well as by direct activity on the fungus. ProPhyt<sup>®</sup> is intended for use as part of an Integrated Pest Management (IPM) system. When used in conjunction with good cultural management practices and as part of a complete disease control program, ProPhyt<sup>®</sup> will control downy mildew, purple blotch, late blight, brown rot (of citrus) and root rot in field crops, vineyards and orchards. In order to achieve maximum results in controlling the disease, spraying should be carried out before the appearance of the disease or when disease is first observed. Applications should be initiated when environmental conditions are favorable for disease development. The preharvest interval is 0 days for this product.

#### **MIXING AND APPLICATION INSTRUCTIONS**

Apply in sufficient water to ensure thorough coverage. Fill spray tank halfway with clean water. Add the required amount of ProPhyt<sup>®</sup> to the tank as indicated in the table below. While agitating, add the remaining amount of water. Apply solution directly to foliage, unless directed otherwise in the application rate table. For optimum control, thorough coverage is required.

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**COMPATIBILITY**

ProPhyt® is believed to be compatible with most commonly used pesticides. Consult specific product labels for additional information. It is always advisable to conduct a tank spray compatibility test when you plan to mix this product with other products. To determine the physical compatibility of this product with other products, use a jar test. Using a quart jar, add the proportionate amounts of the products to approximately one quart of water with agitation. Add dry formulations first, then flowables, and then emulsifiable concentrates last. After thorough mixing, allow this mixture to stand for 5 minutes. If the combination remains mixed or can be readily remixed, it is physically compatible. Once compatibility has been proven, use the same procedure for adding products to the spray tank.

Use tank-mix combinations on a small number of plants before treating large areas, as crop sensitivity to these mixtures may vary.

ProPhyt® has been evaluated for phytotoxicity on a large variety of crops under various normal field conditions. However, testing all crop varieties, in all mixtures and combinations is not feasible. Test a small portion of the area to be treated for phytotoxicity, before treating the entire area. Do not apply ProPhyt® to plants under stress.

**Important:**

Do not apply on plants when they are under water stress, or during severe weather conditions such as high or very low temperatures. Begin spraying when environmental conditions are favorable for the development of disease or as indicated below.

**APPLICATION INSTRUCTIONS**

Do not apply more than the following application rates. Unless specified, there is no limit to the number of applications. When applying ProPhyt®, be sure the spray solution has a **pH > 5.5** to limit the possibility of phytotoxicity to the crop, and that it is applied in sufficient water (> **30 gal/acre** for ground applications to small fruits and vegetables).

Crop	Disease	Rate	Remarks
Asparagus*	Spear slime & Crown rot ( <i>Phytophthora spp.</i> )	2-4 <sup>1</sup> pints/acre	Apply ProPhyt® to fully expanded asparagus ferns using sufficient water for thorough coverage. Do not apply to ferns once they begin to senesce.
Avocado	Root rot ( <i>Phytophthora</i> )	4 pints/acre	Make four preventive foliar applications with spray volumes of 125-300 gal/acre: twice (at 10 to 14 day intervals) in each of two root growth seasons (usually May and July). Avoid applying during period of foliar growth.



<b>Blueberry*</b>	Phytophthora & Pythium root rot	4 pints/acre	Begin foliar applications at pink bud stage in the spring, and continue on a 14 to 21 day interval in a minimum of 50 gal/acre.
	Alternaria fruit rot ( <i>Alternaria tenuissima</i> ) Septoria leaf spot Anthracnose	4 pints/acre	Use cover and post-harvest sprays on a 14 day interval for suppression. Use sufficient water to obtain thorough coverage.
<b>Brassica vegetables</b> , such as broccoli, cabbage, cauliflower	Downy mildew	2-4 <sup>1</sup> pints/acre	Make preventive foliar applications at 7 to 10 day intervals. Use sufficient water to obtain adequate coverage.
<b>Bulb vegetables</b> , such as garlic, onion, shallot	Downy mildew ( <i>Peronospora destructor</i> ) Purple blotch ( <i>Alternaria porri</i> )	4 pints/acre	Apply preventively in 20-50 gal/acre <sup>2</sup> . Continue applications on a 7-14 day interval. Do not exceed 7 applications per crop season.
<b>Caneberries sub-group*</b> , such as blackberry, boysenberry, loganberry, red and black raspberry	Phytophthora root rot	4 pints/acre	Apply as a foliar spray after bud break (1-3 inches new growth) and repeat 3 to 4 weeks later. Two additional applications may be made in the fall west of the Rocky Mountains when conditions favor the disease. Do not apply more than 4 sprays per season using a minimum of 50 gal/acre.

Citrus, such as grapefruit, kumquat, lemon, lime, orange	Phytophthora Brown rot	4 pints/acre	Make preventive foliar applications during spring and fall. Spray to wetness (about 100-250 gal/acre).
	Root rot ( <i>Phytophthora spp.</i> )	4 pints/acre	Make preventive foliar applications when conditions favor disease development, usually three times annually (March-April, May-June, and Sept.-Oct.). Spray to wetness (about 100-250 gal/acre).
	Brown spot* ( <i>Alternaria alternata</i> )	2-4 <sup>1</sup> pints/acre	Begin foliar application starting on the spring flush, at petal fall and then maintain spraying on a 2 week interval until the fruit are 3 months old, or until conditions are no longer conducive for the disease.
Citrus seedlings	Phytophthora root rot	2 gal per 100 gal (2%)	Make drench of ½ pint solution per seedling in a 2 gallon soil sleeve or pot, every two months during the season the seedlings are actively growing. Application can be made through drip irrigation system. Do not apply before or after drastic pruning. Do not combine with other products.
Conifers*	<i>Phytophthora</i> <i>Pythium spp.</i>	Preplant dip: 4 pints/100 gal	Plants such as Douglas Fir, spruce and pines. Thoroughly wet plant and root mass.
		Foliar application: 2-4 <sup>1</sup> pints/100 gal	Spray to wet using no more than 400 gal/acre. Begin applications in the spring before growth starts. Do not apply more than once every 30 days.

Master Label

<p><b>Cranberries</b></p>	<p>Phytophthora root rot (<i>Phytophthora spp.</i>)</p>	<p>4 pints/acre</p>	<p>Make three applications, by air or chemigation, on approximately a three-week interval, starting at the rough neck stage, then at bloom and again during fruit development. (Aerial applications may be with 4 pints/acre in a spray volume of 20 gallons of water or with 2 pints/acre in a spray volume of 10 gallons of water, applied twice).</p>
<p><b>Cucurbits</b>, such as cucumber, melon, pumpkin, squash (in open field and under coverage)</p>	<p>Downy mildew</p>	<p>2-4<sup>1</sup> pints/acre</p>	<p>Make preventive foliar applications at one-week intervals with a spray volume of 40-100 gal/acre, depending on size of plants. Use sufficient water to obtain adequate coverage.</p>
	<p><i>Phytophthora capsici</i></p>	<p>See remarks</p>	<p>Drench application of 4 pints per 100 gallons water to transplants prior to transplanting or a 5 fl. oz/1000 feet of row in furrow drench at planting, followed by weekly foliar applications at 6 pints/acre, beginning 2 weeks after planting will suppress this disease.</p>
<p><b>Fruiting vegetables</b>, such as tomato, tomatillo</p>	<p>Late blight (<i>Phytophthora infestans</i>)</p>	<p>4 pints/acre</p>	<p>Make preventive foliar applications starting no sooner than 6 weeks after seeding or immediately after transplanting. Apply at 5 to 10 day intervals.<sup>3</sup> Thorough coverage is required. Best applied with a protectant such as Mancozeb or Chlorothalonil.</p>
<p><b>Ginseng*</b></p>	<p>Phytophthora foliar &amp; root rot (<i>Phytophthora cactorum</i>)</p>	<p>4 pints/acre</p>	<p>Make applications in 100 gal/acre beginning in the spring when conditions first become conducive to the disease. Repeat applications on a 7-day interval as long as conditions remain favorable for the disease. Do not apply more than 9 sprays a season.</p>

<b>Grapes</b> , such as Carignane, French Colombard, Cabernet Sauvignon, Superior, Thompson, Parlet	Downy mildew Phomopsis	2-4 <sup>1</sup> pints/acre	Prebloom, apply 50 gal/acre, postbloom apply 50-100 gal/acre. Spray preventively to control downy mildew. Key to controlling Phomopsis is a season long spray program on a 7-10 day interval starting at the 1-3 inch shoot stage. Do not exceed spray solution concentration of 0.5%.
<b>Herbs and Spices*</b>	Downy mildew	3-4 <sup>1</sup> pints/acre	Best applied preventively on a 7 day interval in at least 30 gal of water/acre. Due to the number of herbs and spices, conduct a phytotoxicity trial first on a limited area of the crop.
<b>Hops*</b>	Downy mildew ( <i>Pseudoperonospora humuli</i> )	2-4 <sup>1</sup> pints/acre	Make applications at the first evidence of foliar infection using the following schedule 1) when shoots are 6-12 inches high, 2) after training when vines are 5-6 feet tall, 3) approximately 3 weeks after the second application, and 4) during bloom. Use sufficient water to insure complete coverage of the foliage.
<b>Leafy vegetables</b> , such as lettuce, spinach	Downy mildew	2-4 <sup>1</sup> pints/acre	Make preventive foliar applications at 7 to 10 day intervals with a minimum spray volume of 10-30 gal/acre. <sup>3</sup> Begin spraying at 2 to 4 leaf stage of growth.
Spinach	White rust	3-4 <sup>1</sup> pints/acre	Best applied in alternation with Quardis.
<b>Legume vegetables*</b> such as edible beans, soybeans	Downy mildew	3-4 <sup>1</sup> pints/acre	Start applications at flowering. Repeat on a 7 day interval or as conditions dictate. On soybeans, may be mixed with

Snap beans	Pythium Cottony leak	4-6 <sup>1</sup> pints/acre	a triazole fungicide to improve control of soybean rust and yields.  Apply at onset of disease and repeat every 7 days.
Pecans*	Scab ( <i>Cladosporium caryigenum</i> )	2-2.25 <sup>1</sup> pints/100 gallons	Apply ProPhyt® in a preventive spray schedule beginning at bud break, and continue on a 10-14 day interval. Applications to the nuts may be alternated with label rates of Elast or Super Tin. DO NOT apply ProPhyt® to pecans in less than 100 gal/acre.
Pepper*	<i>Phytophthora capsici</i>	6 pints/acre	Drench application of 4 pints per 100 gallons water to transplants prior to transplanting or a 5 fl. oz/1000 feet of row in-furrow drench at planting followed by weekly foliar applications at 6 pints/acre beginning 2 weeks after planting will suppress this disease.
Pineapple*	Heart rot ( <i>Phytophthora parasitica</i> )	Preplant dip: See remarks	Use 2 pints per 100 gallons per acre of slips.
		Established plantings: 3 pints/acre	Apply foliar sprays when conditions are conducive for disease development, or are forecast. Continue applications on a three month interval. Use sufficient water to insure complete coverage.

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<p><b>Pome Fruit*</b>, such as apple, pear</p>	<p>Collar &amp; foot rot (<i>Phytophthora spp.</i>)</p>	<p>2-4<sup>1</sup> pints/acre</p>	<p>Apply in 100 gal/acre (thorough spray coverage is required) when conditions favor disease development, and continue on a 30-60 day interval. Use the low rate on the shorter interval, and the high rate on the longer interval.</p>
<p>Apple</p>	<p>Summer diseases (including <i>Alternaria blotch</i>, sooty blotch, fly speck &amp; black pox)</p>	<p>4-6<sup>1</sup> pints/acre</p>	<p>Use a combination of ProPhyt<sup>®</sup> at 4 pints/acre plus Captan 50 WP at 6 lbs/acre. In the second and later cover sprays, use a 10 to 14 day interval. (Observe all restrictions on the Captan label.)</p>
	<p>Scab</p>	<p>3-4<sup>1</sup> pints/acre</p>	<p>Apply in combination with mancozeb at 3 lbs/acre beginning at ¼ - ½ inch green tip through first cover on a 7-10 day interval or according to forecasted infection events. Continue with ProPhyt<sup>®</sup> + Captan in the remaining cover sprays.</p>
<p><b>Potato,</b> pre-harvest</p>	<p>Late blight (<i>Phytophthora infestans</i>)</p>	<p>4 pints/acre</p>	<p>Make preventive foliar applications starting no sooner than 6 weeks after seeding. Apply at 5 to 10 day intervals.<sup>3</sup> Thorough coverage is required. Best applied with a protectant such as Mancozeb or Chlorothalonil.</p>

	Storage rot diseases: pink rot ( <i>Phytophthora erythroceptica</i> ) Late blight tuber rot ( <i>Phytophthora infestans</i> ) and Pythium leak ( <i>Pythium spp.</i> )	4-10 <sup>1</sup> pints/acre + mefanoxam 11.6-13 fl. oz./acre	Suppression of Pink rot, Late blight tuber rot and Pythium leak. Apply as a band at planting directly over the seed pieces prior to row closure in a minimum of 3 gal/acre. Additional in season applications of ProPhyt <sup>®</sup> + Ridomil Gold may be necessary when disease conditions are severe, disease was present in a previous potato crop, or a susceptible or moderately susceptible variety is being grown.
Potato, post-harvest	Late blight tuber rot ( <i>Phytophthora infestans</i> ) and Pink rot ( <i>Phytophthora erythroceptica</i> )	13 fl. oz. in half a gallon of water sprayed on a ton of tubers	For suppression of Late blight tuber rot and Pink rot
Sorghum Grain*	Downy mildew <sup>4</sup>	36 fl. oz./100 lbs.	Seed treatment: Overtreat Apron or Apron XL treated seed that has 90% or more germinated.
		4-6 pints/acre <sup>5</sup>	In-furrow spray: Spray in furrow at planting over Apron or Apron XL treated seed.
Stone Fruit*, such as peaches	Collar & root rot ( <i>Phytophthora spp.</i> )	2 pints/acre	Apply in the spring when conditions are conducive to the disease. Use 100 gal/acre and repeat on a 60-day interval as necessary. Do not make more than 4 sprays per year.

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Master Label

Strawberry*	Red stele ( <i>Phytophthora fragariae</i> )	Preplant dip: 2 pints per 100 gallons of water	Apply for 15-30 minutes as a pre-plant dip to the roots and crowns. Plant within 24 hours of dipping.
		Foliar spray: 2-4 <sup>1</sup> pints/acre	Annual planting. Begin foliar applications 2-3 weeks after planting and repeat on a 30-60 day interval while the weather is conducive to the disease. Perennial planting: Begin applications in the spring when the plants start growing actively. Repeat applications on a 30-60 day interval if the weather is conducive to the disease. Use the shorter interval and higher use rate on the susceptible varieties, or under heavy disease pressure.
	Leather rot ( <i>Phytophthora cactorum</i> )	2-4 <sup>1</sup> pints/acre	Begin applications at 10% bloom; continue spraying on a 7-14 day interval through fruit set while conditions are favorable for disease.
Turf Grass on Sod Farms*	Pythium	6 fl. oz. per 1000 sq. ft. at 14-day intervals	Begin preventive applications when conditions first favor disease. Repeat at recommended intervals. Do not mow or water treated areas until foliage is completely dry.
	Yellow tuft	12 fl. oz. per 1000 sq. ft. at 21-day intervals	

**Notes:**

- \* Not for use in California
- 1 Use higher rate when conditions favor disease development and/or with increased disease pressure.



- 2 Use a low spray volume, so that the material does not wash off or drip to the ground.
- 3 For prevention of downy mildew and late blight in bulb, fruiting and leafy vegetables, and grapes, combine ProPhyt<sup>®</sup> treatment with additional protective products, specifically with dithiocarbamates, by tank-mix or by alternating treatments.
- 4 To improve disease control, use varieties that have tolerance to downy mildew.
- 5 When spraying in-furrow, apply ProPhyt<sup>®</sup> alone in 20 gallons of water per acre.

### STORAGE AND DISPOSAL

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

**Pesticide Storage:** Store in a dry, cool place.

**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:** Nonrefillable Container: Do not reuse or refill this container. Triple rinse (or equivalent) container promptly after emptying.

Container sizes of 5 gallons or less: Triple rinse as follows: Empty the remaining contents into the application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. 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 flow begins to drip. Repeat this procedure two more times.

Container sizes of 5 gallons or more: Triple rinse as follows: Empty the remaining contents into the 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. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.

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

### WARRANTY AND LIMITATION DISCLAIMER

To the fullest extent permitted by law, Luxembourg warrants that at the time of delivery, the product will conform to its chemical description on the label, that it will pass without objection in the trade under the contract description, that seller will convey good title thereto, and that such product will be delivered free from any lawful security interest, lien or encumbrance.

This is the only warranty made on this product. Luxembourg EXPRESSLY DISCLAIMS ANY IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE AND, EXCEPT AS SET FORTH IN THE ABOVE PARAGRAPH, ANY OTHER EXPRESS OR IMPLIED WARRANTIES. Buyer assumes all risk of use of this material when such use is contrary to label instructions. Read and follow the label directions carefully.

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