

{ booklet label }

PHOSTROL™ Fungicide

FUNGICIDE
COMMERCIAL
LIQUID

GROUP

P07

FUNGICIDE

A FUNGICIDE FOR USE ON BRASSICA LEAFY VEGETABLES, RASPBERRIES, BUSHBERRIES,
POME FRUIT, CUCURBITS, GRAPES, LEAFY GREENS, POTATOES, STRAWBERRIES,
TOMATO CROPS, FIELD PEAS, BULB VEGETABLES GROUP, GINSENG, HAZELNUTS,
GREENHOUSE VEGETABLES, CELERY, AND INDOOR AND OUTDOOR ORNAMENTALS

ACTIVE INGREDIENT: Mono- and dibasic sodium, potassium, and ammonium phosphites..... 53.6%

CAUTION – SKIN IRRITANT

KEEP OUT OF REACH OF CHILDREN

READ THE LABEL AND ATTACHED BROCHURE BEFORE USING

REGISTRATION NO.: 30449
PEST CONTROL PRODUCTS ACT

Net Contents: 0.1-1050 L, bulk

Belchim Crop Protection Canada Inc.
104 Cooper Drive, Unit 3
Guelph ON N1C 0A4
1-866-613-3336

™ PHOSTROL is a trademark of Belchim Crop Protection Canada Inc.

NOTICE TO USER:

This pest control product is to be used only in accordance with the directions on the label. It is an offence under the ***PEST CONTROL PRODUCTS ACT*** to use this product in a way that is inconsistent with the directions on the label.

PRECAUTIONS:

KEEP OUT OF THE REACH OF CHILDREN.

Avoid breathing vapour or spray mist. Do not swallow or allow to absorb through the skin. May irritate skin. Avoid contact with eyes, skin or clothing. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove contaminated clothing and wash separately from other laundry before reuse.

Applicators, mixers, loaders and other handlers must wear: long-sleeved shirt and long pants, chemical-resistant gloves, shoes plus socks and protective eyewear. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove personal protection equipment (PPE) immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing. Keep and wash PPE separately from other laundry.

Do not graze treated fields or feed treated forage or hay to livestock.

Apply only when the potential for drift to areas of human habitations or areas of human activity such as houses, cottages, schools and recreational areas is minimal. Take into consideration wind speed, wind directions, temperature inversions, application equipment and sprayer settings.

Keep unprotected persons out of the treated areas of the greenhouse for the duration of the treatment period. Allow entry or re-entry to greenhouse only after thorough ventilation and spray mist has cleared and the treated surface has dried

AERIAL APPLICATION USE PRECAUTIONS

Apply only by fixed-wing or rotary aircraft equipment which has been functionally and operationally calibrated for the atmospheric conditions of the area and the application rates and conditions of this label. Label rates, conditions and precautions are product specific. Read and understand the entire label before opening this product. Apply only at the rate recommended for aerial application on this label. Where no rate for aerial application appears for the specific use, this product cannot be applied by any type of aerial equipment. Ensure uniform application. To avoid streaked, uneven or overlapped application, use appropriate marking devices.

Use Precautions

Apply only when meteorological conditions at the treatment site allow for complete and even crop coverage. Apply only under conditions of good practice specific to aerial application as outlined in the National Aerial Pesticide Application Manual, developed by the Federal/Provincial/Territorial Committee on Pest Management and Pesticides.

Operator Precautions

Do not allow the pilot to mix chemicals to be loaded onto the aircraft. Loading of premixed chemicals with a closed system is permitted. It is desirable that the pilot have communication capabilities at each treatment site at the time of application. The field crew and the mixer/loaders must wear chemical resistant gloves,

coveralls and goggles or face shield during mixing/loading, cleanup and repair. Follow the more stringent label precautions in cases where the operator precautions exceed the generic label recommendations on the existing ground boom label. All personnel on the job site must wash hands and face thoroughly before eating and drinking. Protective clothing, aircraft cockpit and vehicle cabs must be decontaminated regularly.

Product Specific Precautions

Read and understand the entire label before opening this product. If you have questions, call the manufacturer at (866) 613-3336 or obtain technical advice from the distributor or your provincial agricultural representative. Apply the recommended rate in a minimum spray volume of 50 litres per hectare.

FIRST AID:

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

IF ON SKIN

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

IF INHALED:

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

IF IN EYES:

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

Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

TOXICOLOGICAL INFORMATION:

There is no specific antidote for this product. Treat symptomatically.

ENVIRONMENTAL PRECAUTIONS:

To reduce runoff from treated areas into aquatic habitats avoid application to areas with a moderate to steep slope, compacted soil, or clay.

Avoid application when heavy rain is forecast.

Contamination of aquatic areas as a result of runoff may be reduced by including a vegetative filter strip between the treated area and the edge of the water body.

IN CASE OF EMERGENCY INVOLVING A POISONING OR MAJOR SPILL CALL

1-866-336-2983

DISPOSAL/DECONTAMINATION:

For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill and for clean up of spills.

Container Disposal

Recyclable container

Do not reuse this container for any purpose. This is a recyclable container and is to be disposed of at a container collection site. Contact your local distributor/dealer or municipality for the location of the nearest collection site. Before taking the container to the collection site:

1. Empty container thoroughly into spray tank. Triple- or pressure rinse the empty container. Add the rinsings to the spray mixture in the tank
2. Make the empty, rinsed container unsuitable for further use.

If there is no container site in your area, dispose of the container in accordance with provincial requirements

Refillable Container

For disposal, this container may be returned to the point of purchase (distributor/dealer). It must be refilled by the distributor/dealer with the same product. Do not reuse this container for any other purpose.

STORAGE:

Store this product away from food or feed.

Store in a cool, dry, secure and well ventilated area. Keep pesticide in original container. Not for use or storage in or around the home. Do not store near open flame.

RESISTANCE MANAGEMENT:

For resistance management, please note that PHOSTROL™ FUNGICIDE contains a Group P07 fungicide. Any fungal population may contain individuals naturally resistant to PHOSTROL™ FUNGICIDE and other Group P07 fungicides. A gradual or total loss of pest control may occur over time if these fungicides are used repeatedly in the same fields. Other resistance mechanisms that are not linked to site of action but specific for individual chemicals, such as enhanced metabolism, may also exist. Appropriate resistance-management strategies should be followed. To delay fungicide resistance:

- Where possible, rotate the use of PHOSTROL™ FUNGICIDE or other Group P07 fungicides with different groups that control the same pathogens.
- Use tank mixtures with fungicides from a different group that are effective against the target pathogen when such use is permitted.

- Fungicide use should be based on an integrated disease management program that includes scouting, historical information related to pesticide use and crop rotation and considers host plant resistance, impact of environmental conditions on disease development, disease thresholds, as well as cultural, biological and other chemical control practices.
- Where possible, make use of predictive disease models to effectively time fungicide applications.
- Monitor treated fungal populations for resistance development. Notify Belchim Crop Protection Canada Inc. if reduced sensitivity of the pathogen to Phostrol Fungicide is suspected. If disease continues to progress after treatment with this product, do not increase the use rate. Discontinue use of this product, and switch to another fungicide with a different target site of action, if available.
- Contact your local extension specialist or certified crop advisor for any additional pesticide resistance-management and/or IPM recommendations for specific crops and pathogens.
- For further information and to report suspected resistance, contact Belchim Crop Protection Canada Inc. at 1-866-613-3336 or at www.belchimcanada.com.

DIRECTIONS FOR USE

GENERAL INFORMATION

PHOSTROL™ FUNGICIDE controls or suppresses various pathogens on the listed brassica leafy vegetables, raspberries, pome fruit, cucurbits, grapes, lettuce, potatoes, strawberries, tomato crops, field peas, bulb vegetables group, ginseng, hazelnut, celery, and outdoor and indoor ornamental plants. When applied as directed, PHOSTROL™ FUNGICIDE will protect labeled crops from yield and quality loss due to crop diseases. PHOSTROL™ FUNGICIDE may be applied by ground application equipment on all labelled crops. PHOSTROL™ FUNGICIDE may be applied either by ground or air on potatoes, and in-furrow on potatoes and field peas.

As this product is not registered for the control of pests in aquatic systems, DO NOT use to control aquatic pests

DO NOT contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

Chemigation: Do not apply this product through any other type of irrigation system. Do not apply when wind speed causes non-uniform distribution and/or favors drift beyond the area intended for treatment. Do not apply by chemigation if the area to be treated is within 100 metres of a residential area or park.

Field sprayer application: **DO NOT** apply during periods of dead calm. Avoid application of this product when winds are gusty. **DO NOT** apply with spray droplets smaller than the American Society of Agricultural Engineers (ASAE S572.1) medium classification. Boom height must be 60 cm or less above the crop or ground.

Airblast application: **DO NOT** apply during periods of dead calm. Avoid application of this product when winds are gusty. **DO NOT** direct spray above plants to be treated. Turn off outward pointing nozzles at row ends and outer rows. **DO NOT** apply when wind speed is greater than 16 km/h at the application site as measured outside of the treatment area on the upwind side.

Aerial application: **DO NOT** apply during periods of dead calm. Avoid application of this product when winds are gusty. **DO NOT** apply when wind speed is greater than 16 km/h at flying height at the site of application. **DO NOT** apply with spray droplets smaller than the American Society of Agricultural Engineers (ASAE S572.1) medium classification. Reduce drift caused by turbulent wingtip vortices. The nozzle distribution along the spray boom length **MUST NOT** exceed 65% of the wing- or rotorspan.

GENERAL INSTRUCTIONS

- Mixing this product with certain surfactants, foliar fertilizers, or other pesticides can cause crop injury. Determine crop sensitivity by applying the combination to a small area of the crop and evaluate 3-7 days later for adverse effects.
- Applying PHOSTROL™ FUNGICIDE with other products when temperatures are above 32 °C, shortly after a rain event or during color break of the fruit may result in potential fruit burn. Apply with extreme caution when these conditions exist.
- To prevent plant injury, DO NOT exceed the maximum rate or apply more frequently than the stated minimum application interval. Do not apply to plants that are dormant or heat or moisture stressed.
- DO NOT apply by air except where labeled under crop specific directions for use.
- A re-entry period of 12 hours is recommended for all labeled uses.

MIXING INSTRUCTIONS

1. Prior to mixing, clean the spray tank by following the sprayer clean-up recommendations on the previously sprayed product label.
2. Fill the spray tank one-half full of water and start agitation.
3. Add the required amount of PHOSTROL™ FUNGICIDE to the tank.
4. Continue agitation while filling tank to the desired spray volume.
5. Maintain agitation during mixing and spraying. DO NOT allow the spray mixture to stand without agitation.
6. After use, thoroughly rinse and clean the spray tank. Flush the spray equipment thoroughly following each use and apply the rinsate to a previously treated area.

TANK MIXING INSTRUCTIONS

PHOSTROL™ FUNGICIDE may be tank mixed with the fungicides listed in the tables, whose labels also allow tank mixing, provided the entirety of both labels, including Directions For Use, Precautions, Restrictions, Environmental Precautions, and Spray Buffer Zones are followed for each product. In cases where these requirements differ between the tank mix partner labels, the most restrictive label must be followed. Do not tank mix products containing the same active ingredient unless specifically listed on this label.

In some cases, tank mixing a pest control product with another pest control product or a fertilizer can result in biological effects that could include, but are not limited to: reduced pest efficacy or increased host crop injury. The user should contact Belchim Crop Protection Canada Inc. at 1-866-613-3336 for information before mixing any pesticide or fertilizer that is not specifically recommended on this label.

DIRECTIONS FOR USE ON POTATOES			
Crop	Pest	Rate (L product/ha)	Directions
Potato	Suppression of Pink Rot (<i>Phytophthora erythroseptica</i>)	5.8-11.6	In Furrow: Apply in a band at planting directly over the seed pieces prior to row closure. PHOSTROL™ FUNGICIDE may be applied in combination with a tank mix partner listed in the table below*. Read and follow the use directions on the individual product labels.

	Late Blight (<i>Phytophthora infestans</i>)	2.9-11.6	Foliar Applications: For preventative control of late blight and preventative suppression of pink rot, early blight, and brown leaf spot, begin applications, by ground or air, when conditions favouring disease development exist and continue on a 7-14 day interval. PHOSTROL™ FUNGICIDE may be applied in combination with a tank mix partner listed in the table below*. Read and follow the use directions on the individual product labels.
	Suppression of Pink Rot (<i>Phytophthora erythroseptica</i>)	5.8-11.6	
	Suppression of Early Blight (<i>Alternaria solani</i>), and Brown Leaf Spot (<i>Alternaria alternata</i>)	2.9-5.8	
	Late Blight (<i>Phytophthora infestans</i>) Pink Rot (<i>Phytophthora erythroseptica</i>) Suppression of Silver Scurf (<i>Helminthosporium solani</i>)	0.42 L in 2L water to 1 tonne tubers	Post harvest control: Apply once directly to the tubers and ensure complete and even coverage.
In furrow application: Apply PHOSTROL™ FUNGICIDE in a minimum of 30 L water/ha. Foliar applications: Apply PHOSTROL™ FUNGICIDE in a minimum of 200 L water/ha. Aerial applications: Apply PHOSTROL™ FUNGICIDE in a minimum of 50 L water/ha. PHOSTROL™ FUNGICIDE can be applied up to the day of harvest and post harvest. Use the higher rate and shorter application interval when conditions favour development of moderate to high disease pressure. Do not make more than 7 applications per year. *Tank-mix partners:			
Pink rot	in furrow	Ridomil Gold 480SL	
	foliar	Ridomil Gold MZ 68WP Water Soluble Bag, Ridomil Gold MZ 68WG, Ridomil Gold Bravo Twin Pack	
Late blight	foliar	Bravo 500, Bravo ZN, Echo 720, Echo 90DF, Ridomil Gold Bravo Twin Pack, Dithane F-45, Dithane DG 75, Dithane DG Rainshield NT, Manzate Pro-Stick, Gavel 75DF, Penncozeb 75 DF	

DIRECTIONS FOR USE ON GRAPES			
Crop	Pest	Rate (L product/ha)	Directions
Grape, cultivars and/or hybrids	Downy Mildew (<i>Plasmopara viticola</i>)	2.9-5.8	For preventative control of downy mildew, begin foliar applications when conditions favouring disease development exist and continue on a 7-day interval, when required.
Apply PHOSTROL™ FUNGICIDE in a minimum of 500 L water/ha and ensure thorough coverage of the foliage. PHOSTROL™ FUNGICIDE can be applied up to the day of harvest. Use the higher rate when disease pressure is moderate to high. Due to varietal sensitivity, determine crop sensitivity prior to use of PHOSTROL™ FUNGICIDE. Do not make more than 4 applications per year.			

DIRECTIONS FOR USE ON LEAFY GREENS			
Crop	Pest	Rate (L product/ha)	Directions
Head and leaf lettuce, upland cress, endive, radicchio (red chicory)	Downy Mildew (<i>Bremia lactucae</i>)	2.9-5.8	For preventative control of downy mildew in leafy greens, begin foliar applications when conditions favouring disease development exist and continue on a 7-14 day interval, if needed.
Apply PHOSTROL™ FUNGICIDE in a minimum of 225 L water/ha and ensure thorough coverage of the foliage. PHOSTROL™ FUNGICIDE can be applied up to the day of harvest. Use the higher rate and shorter application interval when disease pressure is moderate to high. Do not make more than 7 applications per year.			

DIRECTIONS FOR USE ON STRAWBERRIES			
Crop	Pest	Rate (L product/ha)	Directions
Strawberry	Leather Rot (<i>Phytophthora cactorum</i>)	2.9 – 5.8	For preventative control of leather rot, begin foliar applications at 10% bloom and early fruit set and continue on a 7-14 day interval if conditions favouring disease development exist.
Apply PHOSTROL™ FUNGICIDE in a minimum of 225 L water/ha and ensure thorough coverage of the foliage. PHOSTROL™ FUNGICIDE can be applied up to 3 days before harvest. Under moderate to heavy disease pressure, or on varieties that are susceptible to disease, use higher rate and shorter application interval. Do not make more than 4 applications per year.			

DIRECTIONS FOR USE ON POME FRUIT CROP GROUP 11-09			
Crop	Pest	Rate	Directions

		(L product/ha)	
Apple, Azarole, Crabapple, Mayhaw, Medlar, Pear, Asian Pear, Quince, Chinese Quince, Japanese Quince, Tejocote, Cultivars, varieties and/or hybrids of these commodities.	Fly Speck (<i>Schizothyrium pomi</i>) Sooty Blotch (<i>Gloeodes pomigena</i>)	4.4	For preventative control of fly speck and sooty blotch begin foliar applications after petal fall and continue on a 7-14 day interval if conditions favouring disease development exist.
Apply PHOSTROL™ FUNGICIDE in a minimum of 1000 L water/ha and ensure thorough coverage of the foliage. PHOSTROL™ FUNGICIDE can be applied up to the day of harvest. Under moderate to heavy disease pressure, or on varieties that are susceptible to disease, use the shorter application interval. Do not make more than 6 applications per year.			

DIRECTIONS FOR USE ON BRASSICA LEAFY VEGETABLES CROP GROUP 5			
Crop	Pest	Rate (L product/ha)	Directions
Broccoli, Chinese broccoli, Broccoli raab, Brussels sprouts, cabbage, Chinese cabbage (napa, bok choy), Chinese mustard cabbage (gai choy), cauliflower, cavolo broccolo, collards, kale, kohlrabi, mizuna, mustard greens, mustard spinach, rape greens	Suppression of Downy Mildew (<i>Peronospora parasitica</i>)	2.9-5.8	For preventative suppression of downy mildew, begin foliar applications when conditions favouring disease development exist and continue on a 7-21 day interval.
Apply PHOSTROL™ FUNGICIDE in a minimum of 225 L water/ha and ensure thorough coverage of the foliage. PHOSTROL™ FUNGICIDE can be applied up to the day of harvest. Use the higher rate and shorter application interval when disease pressure is moderate to high. Do not apply more than 4 applications per year.			

DIRECTIONS FOR USE ON RASPBERRIES			
Crop	Pest	Rate (L product/ha)	Directions
Black and red raspberry, wild raspberry and cultivars, varieties and/or hybrids of these.	Suppression of Phytophthora Root Rot (<i>Phytophthora</i> spp.)	5.2	Spring Foliar Applications: For preventative suppression of phytophthora root rot in new plantings, begin applications when the plants produce new growth of 1-3 inches. In established plantings, begin application when conditions favouring disease development exist and continue on a 21 – 28 day interval. Fall Foliar Applications: For preventative suppression of root rot caused by the genus <i>Phytophthora</i> , begin applications

			when conditions favouring disease development exist and continue, if required, on a 21-28 day interval.
Apply PHOSTROL™ FUNGICIDE in a minimum of 400 L water/ha and ensure thorough coverage of the foliage. PHOSTROL™ FUNGICIDE can be applied up to the day of harvest. Use the higher rate and shorter application interval when disease pressure is high. Do not make more than 4 applications per year.			

DIRECTIONS FOR USE ON GREENHOUSE CANEBERRIES CROP SUBGROUP 13-07A			
Crop	Pest	Rate (L product/ha)	Directions
Blackberry, Loganberry, Black and red Raspberry, Wild raspberry, and cultivars, varieties and/or hybrids	Suppression of Phytophthora Root Rot (<i>Phytophthora</i> spp.)	5.2	In new plantings, begin applications when plants produce new growth of 1 to 3 inches. In established plantings, begin application when conditions favouring disease development exist and continue on a 21 – 28 day interval. DO NOT allow releases, effluent or runoff from greenhouses containing this product to enter lakes, streams, ponds or other waters.
Apply PHOSTROL™ FUNGICIDE in a minimum of 400 L water/ha and ensure thorough coverage of the foliage. PHOSTROL™ FUNGICIDE can be applied up to the day of harvest. Use the higher rate and shorter application interval when disease pressure is high. Do not make more than 4 applications during the production cycle.			
DIRECTIONS FOR USE ON BUSHBERRY CROP SUBGROUP 13-07B*			
Crop	Pest	Rate (L product/ha)	Directions
Blueberry (lowbush and highbush), currant (black and red), elderberry, gooseberry, huckleberry, aronia berry, buffalo currant, Chilean guava, European barberry, highbush cranberry, edible honeysuckle, jostaberry, juneberry (Saskatoon berry), lingonberry, native currant, salal, sea buckthorn, cultivars, varieties and/or hybrids of these.	Suppression of: Phytophthora Root Rot (<i>Phytophthora</i> spp.)	2.9-5.8	Begin foliar sprays in the spring at approximately the pink bud stage and continue on a 14 day interval. Use sufficient volume of water for good coverage.

Blueberry (lowbush and highbush), huckleberry, highbush cranberry, lingonberry, cultivars, varieties and/or hybrids of these.	Control of: Septoria Leaf Spot (<i>Septoria</i> spp.)	2.9-5.8	Begin foliar sprays in the spring at approximately the pink bud stage and continue on a 14 day interval. Use sufficient volume of water for good coverage.
<p>Apply PHOSTROL™ FUNGICIDE in a minimum of 400 L water/ha and ensure thorough coverage of the foliage. PHOSTROL™ FUNGICIDE can be applied up to the day of harvest. Use the higher rate and shorter application interval when disease pressure is high. Do not make more than 4 applications per year.</p> <p>*Note: Phostrol Fungicide may cause crop injury to bushberries in the form of marginal leaf necrosis and brown spots.</p>			

DIRECTIONS FOR USE ON CUCURBIT VEGETABLES			
Crop	Pest	Rate (L product/ha)	Directions
Chinese waxgourd, citron melon, cucumber, gherkin, edible gourd, <i>Momordica</i> spp., muskmelon, pumpkin, summer and winter squash, watermelon.	Suppression of Downy Mildew (<i>Pseudoperonospora cubensis</i>)	2.9-5.8	<p>For preventative suppression of downy mildew in cucurbit vegetables, begin foliar applications when conditions favouring disease development exist and continue on a 7-14 day interval.</p> <p>PHOSTROL™ FUNGICIDE may be tank mixed with Bravo 500, Bravo 720 or Bravo Ultrex. Read and follow the use directions on the individual product labels.</p>
<p>Apply PHOSTROL™ FUNGICIDE in a minimum of 225 L water/ha and ensure thorough coverage of the foliage. PHOSTROL™ FUNGICIDE can be applied up to the day of harvest. Use the higher rate and shorter application interval when disease pressure is high. Do not make more than 7 applications per year.</p>			

DIRECTIONS FOR USE ON TOMATO CROP SUB-GROUP 8-09A			
Crop	Pest	Rate (L product/ha)	Directions
Bush tomato, currant tomato, garden huckleberry, goji berry, groundcherry, sunberry, tomatillo, tomato, cultivars, varieties and hybrids of these commodities	Suppression of Late Blight (<i>Phytophthora infestans</i>)	2.9-5.8	Begin foliar applications immediately after transplanting to the field. Continue on a 7-14 day interval if conditions favouring disease development exist.

Apply PHOSTROL™ FUNGICIDE in a minimum of 225 L water/ha and ensure thorough coverage of the foliage. PHOSTROL™ FUNGICIDE can be applied up to the day of harvest. Under moderate to heavy disease pressure, use the higher rate and shorter application interval. Do not make more than 4 applications per year.

DIRECTIONS FOR USE ON FIELD PEAS			
Crop	Pest	Rate (L product/ha)	Directions
Field Peas	Suppression of Early Season Root Rot (<i>Aphanomyces eutiches</i> , <i>Pythium ultimum</i>)	2.9 L/ha	Applications of Phostrol Fungicide should be made after the field pea seed is treated with a registered seed treatment for control of various root rot pathogens. Apply Phostrol Fungicide at crop emergence followed by a second application 14 days later; OR Apply Phostrol Fungicide in-furrow at planting followed by a second application at crop emergence.
Apply PHOSTROL™ FUNGICIDE in a minimum of 100 L water/ha and ensure thorough coverage of the foliage. PHOSTROL™ FUNGICIDE can be applied up to 21 days before harvest. Do not make more than 2 applications per year.			

DIRECTIONS FOR USE ON BULB VEGETABLES CROP GROUP			
Crop	Pest	Rate (L product/ha)	Directions
Bulb Vegetables: fresh leaf Chinese chive, fresh leaf chive, bulb garlic, great-headed bulb garlic, serpent bulb garlic, kurrat, lady's leek, leek, Beltsville bunching onion, bulb onion, Chinese bulb onion, fresh onion, green onion, macrostem onion, pearl onion, potato bulb onion, tree tops onion, welsh tops onion, shallot bulb, fresh leaves shallot, wild leek	Suppression of Downy Mildew (<i>Peronospora destructor</i>)	2.9-4.3	For preventative suppression of downy mildew in bulb vegetable crops, begin foliar applications when conditions favouring disease development exist and continue on a 7-14 day interval. NOTE: Do not apply more than 7 applications per year.

Apply PHOSTROL™ FUNGICIDE in a minimum of 225 L water/ha and ensure thorough coverage of the foliage. PHOSTROL™ FUNGICIDE can be applied up to the day of harvest. Do not apply more than 7 applications per year.

The DIRECTIONS FOR USE for the uses described in this section of the label were developed by persons other than Belchim Crop Protection Canada Inc. under the User Requested Minor Use Label Expansion Program. For these uses, Belchim Crop Protection Canada Inc. has not fully assessed performance (efficacy) and/or crop tolerance (phytotoxicity) under all environmental conditions or for all crop varieties when used in accordance with the label. The user should test the product on a small area first, under local conditions and using standard practices, to confirm the product is suitable for widespread application.

DIRECTIONS FOR USE ON GINSENG

Crop	Pest	Rate (L product/ha)	Directions
Ginseng	Suppression of Foliar and Root Rot (<i>Phytophthora cactorum</i>)	5.6	For preventative suppression of phytophthora root rot, begin foliar applications when environmental conditions first become conducive to disease development and continue on a 7 day interval if disease conditions persist.

Apply 5.6 L Phostrol in 1000 L water per Ha. When applying in lower water volumes, do not use more than 1L product per 100 L of water and do not exceed the maximum rate of 5.6 L/ha per application. Ensure thorough coverage of the foliage and root zone. PHOSTROL™ FUNGICIDE can be applied up to the day of harvest. Do not make more than 9 applications per year.

DIRECTIONS FOR USE ON CELERY TRANSPLANTS (GREENHOUSE TRANSPLANTS)

Crop	Pest	Rate (L product/ha)	Directions
Celery Transplants (Greenhouse Transplants)	Damping off caused by <i>Pythium</i> spp.	3.2 L/1000 L of water	For preventative control of damping off, apply the solution as a soil drench to thoroughly wet the growing medium

Make the first application after seeding. Repeat at a 7-14 day interval. Do not make more than 4 applications during the celery transplant season.

DO NOT allow releases, effluent or runoff from greenhouses containing this product to enter lakes, streams, ponds or other waters.

DIRECTIONS FOR USE ON GREENHOUSE VEGETABLES

Crop	Pest	Rate (L product/ha)	Directions
Greenhouse cucumbers	Suppression of: Phytophthora Blight (<i>Phytophthora capsici</i>)	2.9 – 5.8	Begin applications when conditions favouring disease development exist and continue on a 7 – 14 day interval. Apply PHOSTROL FUNGICIDE in a minimum of 225 L water/ha and ensure thorough coverage of the foliage. PHOSTROL FUNGICIDE can be

	<p>Root rot and fruit rot (<i>Phytophthora</i> spp.)</p> <p>Downy mildew (<i>Pseudoperonospora cubensis</i>)</p> <p>Pythium root rot and fruit rot (<i>Pythium</i> spp.)</p>		<p>applied up to the day of harvest. Use the higher rate and shorter application interval when disease pressure is high. Do not make more than 7 applications per production cycle.</p> <p>PHOSTROL FUNGICIDE may be applied to foliage for suppression of the indicated diseases or by drip chemigation for suppression of listed diseases caused by <i>Phytophthora</i> spp. and <i>Pythium</i> spp.</p> <p>DO NOT allow releases,effluent or runoff from greenhouses containing this product to enter lakes, streams, ponds or other waters.</p>
Greenhouse tomato, pepper, eggplant	<p>Suppression of:</p> <p>Phytophthora blight (<i>Phytophthora capsici</i>)</p> <p>Root rot (<i>Phytophthora</i> spp.)</p> <p>Pythium root rot and fruit rot (<i>Pythium</i> spp.)</p>	2.9 – 5.8	<p>Begin applications when conditions favouring disease development exist and continue on a 7 – 14 day interval.</p> <p>Apply PHOSTROL FUNGICIDE in a minimum of 225 L water/ha and ensure thorough coverage of the foliage. PHOSTROL FUNGICIDE can be applied up to the day of harvest. Use the higher rate and shorter application interval when disease pressure is high. Do not make more than 4 applications per production cycle.</p> <p>PHOSTROL FUNGICIDE may be applied to foliage or by drip chemigation for suppression of listed diseases caused by <i>Phytophthora</i> spp. and <i>Pythium</i> spp.</p> <p>DO NOT allow releases, effluent or runoff from greenhouses containing this product to enter lakes, streams, ponds or other waters.</p>
Greenhouse strawberry	<p>Suppression of:</p> <p>Crown and root rot (<i>Phytophthora</i> spp.)</p> <p>Pythium root rot (<i>Pythium</i> spp.)</p> <p>Control of:</p> <p>Leather rot (<i>Phytophthora cactorum</i>)</p>	2.9 – 5.8	<p>Begin applications at 10% bloom and early fruit set and continue on a 7 – 14 day interval.</p> <p>Apply PHOSTROL FUNGICIDE in a minimum of 225 L water/ha and ensure thorough coverage of the foliage. PHOSTROL FUNGICIDE can be applied up to the day of harvest. Under moderate to heavy disease pressure, or on varieties that are susceptible to disease, use the higher rate and shorter application interval. Do not make more than 4 applications per production cycle.</p> <p>PHOSTROL FUNGICIDE may be applied to foliage or by drip chemigation for control or suppression of listed diseases caused by <i>Phytophthora</i> spp. and <i>Pythium</i> spp.</p>

			DO NOT allow releases, effluent or runoff from greenhouses containing this product to enter lakes, streams, ponds or other waters.
Greenhouse lettuce	<p>Suppression of:</p> <p>Pythium root rot (<i>Pythium</i> spp.)</p> <p>Control of:</p> <p>Downy mildew (<i>Bremia lactucae</i>)</p>	2.9 – 5.8	<p>Begin applications when conditions favouring disease development exist and continue on a 7 – 14 day interval.</p> <p>Apply PHOSTROL FUNGICIDE in a minimum of 225 L water/ha and ensure thorough coverage of the foliage. PHOSTROL FUNGICIDE can be applied up to the day of harvest. Use the higher rate and shorter application interval when disease pressure is high. Do not make more than 7 applications per production cycle.</p> <p>PHOSTROL FUNGICIDE may be applied to foliage for control or suppression of the indicated diseases or by drip chemigation for suppression of listed diseases caused by <i>Pythium</i> spp.</p> <p>DO NOT allow releases, effluent or runoff from greenhouses containing this product to enter lakes, streams, ponds or other waters.</p>
Greenhouse Chinese cabbage	<p>Suppression of:</p> <p>Pythium root rot (<i>Pythium</i> spp.)</p> <p>Downy mildew (<i>Hyaloperonospora parasitica</i>)</p>	2.9 – 5.8	<p>Begin applications when conditions favouring disease development exist and continue on a 7 – 21 day interval.</p> <p>Apply PHOSTROL FUNGICIDE in a minimum of 225 L water/ha and ensure thorough coverage of the foliage. PHOSTROL FUNGICIDE can be applied up to the day of harvest. Use the higher rate and shorter application interval when disease pressure is high. Do not make more than 4 applications per production cycle.</p> <p>PHOSTROL FUNGICIDE may be applied to foliage for suppression of the indicated diseases or by drip chemigation for suppression of listed diseases caused by <i>Pythium</i> spp.</p> <p>DO NOT allow releases, effluent or runoff from greenhouses containing this product to enter lakes, streams, ponds or other waters.</p>
Greenhouse basil	<p>Suppression of:</p> <p>Pythium root rot (<i>Pythium</i> spp.)</p> <p>Downy mildew (<i>Peronospora belbahrii</i>)</p>	2.9 – 5.8	<p>Begin applications when conditions favouring disease development exist and continue on a 7 – 14 day interval.</p> <p>Apply PHOSTROL FUNGICIDE in a minimum of 225 L water/ha and ensure thorough coverage of the foliage. PHOSTROL FUNGICIDE can be applied up to the day of harvest. Use the higher rate and shorter application interval when disease</p>

			<p>pressure is high. Do not make more than 7 applications per production cycle.</p> <p>PHOSTROL FUNGICIDE may be applied to foliage for suppression of the indicated diseases or by drip chemigation for suppression of listed diseases caused by <i>Pythium</i> spp.</p> <p>DO NOT allow releases, effluent or runoff from greenhouses containing this product to enter lakes, streams, ponds or other waters.</p>
DIRECTIONS FOR USE ON HAZELNUT			
Crop	Pest	Rate (L product/ha)	Remarks
Hazelnut	<p>Suppression of:</p> <p>Phytophthora root rot (<i>Phytophthora</i> spp.)</p>	2.9-5.8	<p>For preventative suppression of phytophthora root rot begin foliar, drench, or drip irrigation applications when conditions are favourable for disease (i.e. wet conditions or at early symptoms of disease). Continue on a 14 day interval up to a maximum of 4 applications per year.</p>
<p>For foliar applications, apply PHOSTROL FUNGICIDE in a minimum 400 L water per hectare. For drench and drip irrigation applications, apply PHOSTROL FUNGICIDE in a minimum of 1000 L of water per hectare. Ensure thorough coverage of the foliage and root zone. PHOSTROL FUNGICIDE can be applied up to the day of harvest. Do not make more than 4 applications per production cycle.</p>			

DIRECTIONS FOR USE ON ORNAMENTALS			
Crop	Pest	Rate (L product/ha)	Directions
Greenhouse-grown and outdoor bedding plants, potted plants and cut flowers	Suppression of Phytophthora Root rot (<i>Phytophthora</i> spp.)	2.9-5.8L/1000 L of water	For preventative suppression of phytophthora root rot, begin foliar applications when conditions favouring disease development exist and continue on a 30 day interval, if needed. Do not use more than 3750 L of water/ha. Do not apply more than once every 30 days.
		1.2-5.6 L/1000 L of water	Drench Application: For preventative suppression of phytophthora root rot, apply 10 L of solution per m ² . Repeat applications, on a 30 day interval, if needed. Do not apply more than once every 30 days.

Apply PHOSTROL™ FUNGICIDE in a minimum of 1000 L water/ha and ensure thorough coverage of the foliage. Under moderate to heavy disease pressure, use the higher rate. Determine crop sensitivity prior to use of PHOSTROL™ FUNGICIDE in ornamental plants. Do not make more than 6 applications during the growing season.
DO NOT allow releases, effluent or runoff from greenhouses containing this product to enter lakes, streams, ponds or other waters.

Directions for Chemigation:

PHOSTROL Fungicide may be applied through a drip (trickle) irrigation system that will apply water uniformly. Do not apply this product through any other type of irrigation system. Non-uniform distribution of treated water may reduce effectiveness or result in illegal pesticide residues on the crop. Proper calibration of the chemigation system is essential to deliver the desired rate per hectare in a uniform manner and to minimize wash-off time. If you have questions about calibration, contact the equipment manufacturer or other expert.

Equipment Requirements:

- The system must contain an air gap, or approved backflow prevention device, or approved functional check valve, vacuum relief valve (including inspection port), and low-pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from back flow unless the water is from a man-made self-contained source on private land.
- The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve or one-way valve to prevent the flow of fluid back toward the injection pump. A secondary containment system around the injection port area must be in place.
- The pesticide injection pipeline must also contain a functional, normally closed, valve located on the intake side of the injection system to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
- The system must contain functional interlocking controls to automatically shut off the pesticide injection when the water pressure drops, or water flow stops. Alternatively, in the absence of such an automatic system, the injection procedure must be continuously monitored by an operator who is able to manually shut off pesticide injection under the same circumstances.
- Systems must use a metering device, such as a positive displacement injection pump (or flow meter on eductor) effectively designed and compatible with pesticides and capable of being fitted with a system interlock.
- The tank holding the pesticide mixture should be free of rust, fertilizer, sediment, and foreign material, and equipped with an in-line strainer situated between the tank and the injection point.
- To insure uniform mixing of the fungicide in the water line, inject the mixture in the center of the pipe diameter or just ahead of an elbow or tee in the irrigation line so the turbulence created at those points will assist in mixing. The injection point must be located after all back-flow prevention devices on the water line unless the water is from a man-made self-contained source on private land.

Precautions:

- DO NOT connect an irrigation system used for pesticide application to a public water system unless the required safety devices for public water systems are in place. Specific local regulations may apply and must be followed.

- A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall operate the system and shall shut the system down to make necessary adjustments should the need arise.
- DO NOT apply when wind speed causes non-uniform distribution.
- Irrigation systems intended for chemigation applications must be properly designed, equipped, and maintained.

2024-2050
2025-01-21

{ principal display panel }

PHOSTROL™ Fungicide

FUNGICIDE
COMMERCIAL
LIQUID

GROUP

P07

FUNGICIDE

A FUNGICIDE FOR USE ON BRASSICA LEAFY VEGETABLES, RASPBERRIES, BUSHBERRIES, POME FRUIT, CUCURBITS, GRAPES, LEAFY GREENS, POTATOES, STRAWBERRIES, TOMATO CROPS, FIELD PEAS, BULB VEGETABLES GROUP, GINSENG, HAZELNUTS, GREENHOUSE VEGETABLES, CELERY, AND INDOOR AND OUTDOOR ORNAMENTALS

ACTIVE INGREDIENT: Mono- and dibasic sodium, potassium, and ammonium phosphites..... 53.6%

CAUTION – SKIN IRRITANT

KEEP OUT OF REACH OF CHILDREN

READ THE LABEL AND ATTACHED BROCHURE BEFORE USING

REGISTRATION NO.: 30449
PEST CONTROL PRODUCTS ACT

Net Contents: 10 L

Belchim Crop Protection Canada Inc.
104 Cooper Drive, Unit 3
Guelph ON N1C 0A4
1-866-613-3336

™ PHOSTROL is a trademark of Belchim Crop Protection Canada Inc.

2024-2050
2025-01-21

{ base container label }

PHOSTROL™ Fungicide

FUNGICIDE
COMMERCIAL
LIQUID

GROUP

P07

FUNGICIDE

A FUNGICIDE FOR USE ON BRASSICA LEAFY VEGETABLES, RASPBERRIES, BUSHBERRIES,
POME FRUIT, CUCURBITS, GRAPES, LEAFY GREENS, POTATOES, STRAWBERRIES,
TOMATO CROPS, FIELD PEAS, BULB VEGETABLES GROUP, GINSENG, HAZELNUTS,
GREENHOUSE VEGETABLES, CELERY, AND INDOOR AND OUTDOOR ORNAMENTALS

ACTIVE INGREDIENT: Mono- and dibasic sodium, potassium, and ammonium phosphites..... 53.6%

CAUTION – SKIN IRRITANT

KEEP OUT OF REACH OF CHILDREN

READ THE LABEL AND ATTACHED BROCHURE BEFORE USING

REGISTRATION NO.: 30449
PEST CONTROL PRODUCTS ACT

Net Contents: 2 x 10 L

Belchim Crop Protection Canada Inc.
104 Cooper Drive, Unit 3
Guelph ON N1C 0A4
1-866-613-3336

™ PHOSTROL is a trademark of Belchim Crop Protection Canada Inc.

NOTICE TO USER: This pest control product is to be used only in accordance with the directions on the label. It is an offence under the ***PEST CONTROL PRODUCTS ACT*** to use this product in a way that is inconsistent with the directions on the label.

PRECAUTIONS: KEEP OUT OF THE REACH OF CHILDREN. Avoid breathing vapour or spray mist. Do not swallow or allow to absorb through the skin. May irritate skin. Avoid contact with eyes, skin or clothing. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove contaminated clothing and wash separately from other laundry before reuse. **Applicators, mixers, loaders and other handlers must wear:** long-sleeved shirt and long pants, chemical-resistant gloves, shoes plus socks and protective eyewear. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove personal protection equipment (PPE) immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing. Keep and wash PPE separately from other laundry. Do not graze treated fields or feed treated forage or hay to livestock. Apply only when the potential for drift to areas of human habitations or areas of human activity such as houses, cottages, schools and recreational areas is minimal. Take into consideration wind speed, wind directions, temperature inversion, application equipment and sprayer settings.

Keep unprotected persons out of the treated areas of the greenhouse for the duration of the treatment period. Allow entry or re-entry to greenhouse only after thorough ventilation and spray mist has cleared and the treated surface has dried

FIRST AID:

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

IF ON SKIN

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

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

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

Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

TOXICOLOGICAL INFORMATION: There is no specific antidote for this product. Treat symptomatically.

ENVIRONMENTAL PRECAUTIONS: To reduce runoff from treated areas into aquatic habitats avoid application to areas with a moderate to steep slope, compacted soil, or clay. Avoid application when heavy rain is forecast. Contamination of aquatic areas as a result of runoff may be reduced by including a vegetative filter strip between the treated area and the edge of the water body.

<p><i>IN CASE OF EMERGENCY INVOLVING A POISONING OR MAJOR SPILL CALL</i> <i>1-866-336-2983</i></p>
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DISPOSAL/DECONTAMINATION: For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill and for clean-up of spills. **Container Disposal. Recyclable container** - Do not reuse this container for any purpose. This is a recyclable container and is to be disposed of at a container collection site. Contact your local distributor/dealer or municipality for the location of the nearest collection site. Before taking the container to the collection site: 1. Empty container thoroughly into spray tank. Triple- or pressure rinse the empty container. Add the rinsings to the spray mixture in the tank. 2. Make the empty, rinsed container unsuitable for further use. If there is no container site in your area, dispose of the container in accordance with provincial requirements. **Refillable Container** - For disposal, this container may be returned to the point of purchase (distributor/dealer). It must be refilled by the distributor/dealer with the same product. Do not reuse this container for any other purpose.

STORAGE:

Store this product away from food or feed.

Store in a cool, dry, secure and well ventilated area. Keep pesticide in original container. Not for use or storage in or around the home. Do not store near open flame.