

# Presidio® Fungicide

## COMMERCIAL FUNGICIDE SUSPENSION

For Control or suppression of labeled diseases in labeled crops.

### ACTIVE INGREDIENT:

Fluopicolide..... 39.5%

Contains 1,2-Benzisothiazolin-3-one at 0.015% as a preservative OR contains 5-Chloro-2-methyl-4-isothiazolin-3-one at 0.0009% and 2-Methyl-4-isothiazolin-3-one at 0.0003% as a preservative.

REGISTRATION NO.: 30051

PEST CONTROL PRODUCTS ACT

<b>GROUP</b>	<b>43</b>	<b>FUNGICIDE</b>
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**READ THE LABEL BEFORE USE**

**KEEP OUT OF REACH OF CHILDREN**



**CAUTION**

**POISON**

**EYE IRRITANT**

Valent Canada Inc.  
201-230 Hanlon Creek Blvd.  
Guelph, Ontario N1C 0A1  
Phone: 519-767-9262  
[www.valent.ca](http://www.valent.ca)

**NET CONTENTS: 946 mL**

## 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.

## FIRST AID

**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.

**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 person to fresh air. If 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 SWALLOWED:** Call a poison control centre or doctor immediately for treatment advice. Have 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.

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

***IN CASE OF EMERGENCY INVOLVING A MAJOR SPILL OR POISONING CALL  
1-800-682-5368***

## TOXICOLOGICAL INFORMATION

There is no specific antidote for this product. Apply symptomatic therapy.

## ENVIRONMENTAL PRECAUTIONS

TOXIC to aquatic organisms and non-target terrestrial plants. Observe buffer zones specified under DIRECTIONS FOR USE.

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 strip between the treated area and the edge of the water body.

This product demonstrates the properties and characteristics associated with chemicals detected in ground water. The use of Presidio Fungicide in areas where soils are permeable, particularly where the water table is shallow, may result in ground water contamination.

Fluopicolide is persistent and may carryover. It is recommended that any products containing fluopicolide not be used in areas treated with this product during the previous season.

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

## **PRECAUTIONS**

KEEP OUT OF THE REACH OF CHILDREN. Harmful if inhaled. May irritate eyes. Avoid contact with eyes. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco. Remove and wash contaminated clothing before reuse. Avoid breathing vapor or spray mist.

During mixing, loading, application, clean-up and repair, wear chemical-resistant gloves made with any waterproof material such as natural rubber  $\geq 14$  mm, long-sleeved shirt, long pants, socks and shoes. 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.

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.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours.

Keep all unprotected persons out of operating areas or vicinity where there may be drift.

Do not apply this product using fogging equipment (handheld or automated), or using handheld mist blowers/airblast equipment.

If this pest control product is to be used on a commodity that may be exported to the U.S. and you require information on acceptable residue levels in the U.S., contact Valent Canada, Inc.

## **DISPOSAL/DECONTAMINATION**

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. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Make the empty container unsuitable for further use.

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

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.

#### STORAGE:

Do not contaminate water, food or feed by storage. Keep pesticide in original container. Store in a cool, dry, secure place. Do not put formulation or dilute spray solution into food or drink containers. Do not store or transport near feed or food. Not for use or storage in or around the home. To prevent contamination, store this product away from food or feed. Do not store at temperature below 0°C. If the product is exposed to temperatures below 0°C, thaw at 10°C or higher and shake gently to unify the product.

### RESISTANCE MANAGEMENT RECOMMENDATIONS

For resistance management, Presidio Fungicide contains a Group 43 fungicide. Any fungal population may contain or develop individuals naturally resistant to Presidio Fungicide and other Group 43 fungicides. The resistant biotypes may dominate the population if these fungicides are used repeatedly in the same field. 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 Presidio Fungicide or other Group 43 fungicides with different fungicide groups that control the same pathogens.
- Use tank mixtures with fungicides from a different group 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 Valent Canada if reduced sensitivity of the pathogen to Presidio 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 or integrated disease-management recommendations for specific crops and pathogens.
- For further information and to report suspected resistance, contact Valent Canada, Inc. at 1-800-682-5368 or at [www.valent.ca](http://www.valent.ca).

## **GENERAL INFORMATION**

The active ingredient in Presidio Fungicide is fluopicolide. Presidio Fungicide exhibits protective and antispore activity. Fluopicolide is locally systemic, translaminar and also moves systemically via xylem tissue

Presidio Fungicide is most effective when applied in a regularly scheduled spray program and used in combination and rotation with other effective fungicides that have a different mode of action (i.e., non group 43 fungicides).

### **GENERAL RESTRICTIONS AND LIMITATIONS**

- Presidio Fungicide must be tank mixed with another product (that is registered for use against the diseases and crops listed on this label) for resistance management. Consult the label of the tank-mix partner for rates, timing of application, re-cropping restrictions, grazing interval restrictions, directions for use and precautions. Always follow the more restrictive label.
- Not for use on greenhouse vegetables (except basil).
- Apply only when the potential for drift to areas of human habitation or areas of human activity such as houses, cottages, schools and recreational areas is minimal. Take into consideration wind speed, wind direction, temperature inversions, application equipment and sprayer settings.
- When applying by air, observe drift management restrictions and precautions. Best control is achieved through ground application.
- Do not apply this product using fogging equipment (handheld or automated) or using handheld mist blowers/airblast equipment.

### **MODE OF ACTION**

Presidio Fungicide is active against selective oomycetes, as specified on this label. It exhibits the typical mode of action of specific systemic fungicides against oomycete fungi affecting several steps in the reproduction cycle.

Biochemical studies have shown that fluopicolide has an effect on spectrin-like proteins, believed to play a role in maintaining the membrane stability in ascomycete fungi or oomycetes, especially during hyphal tip extension. Microscopy studies demonstrate that fluopicolide induces a quick redistribution of these proteins from the membrane to the cytoplasm in both hyphae and zoospores.

### **RAINFASTNESS**

Foliar sprays are rainfast 2 hours after application. Do not apply for foliar disease control if measurable rain is expected within 2 hours of application or foliar disease control may be reduced.

### **SPRAYER PREPARATION**

Before applying Presidio Fungicide, start with clean, well maintained application equipment. The spray tank, hoses and booms must be cleaned to ensure no residue from the previous spraying operation remains in the sprayer. The spray equipment must be cleaned according to the manufacturer's directions for the last product used before the equipment is used to apply Presidio

Fungicide. If two or more products were tank mixed prior to Presidio Fungicide application, the most restrictive cleanup procedure should be followed.

### **MIXING INSTRUCTIONS**

1. Fill clean spray tank 1/2 to 2/3 of desired level with clean water.
  2. While agitating, slowly add the Presidio Fungicide to the spray tank. Agitation should create a rippling or rolling action on the water surface.
  3. When tank mixing Presidio Fungicide with other labeled pesticides, add water soluble packets first, followed by dry formulations, flowables, emulsifiable concentrates and then solutions.
  4. Add any required adjuvants.
  5. Fill spray tank to desired level with water. Agitation should continue until all spray solution has been applied.
- As this pesticide 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.

### **SPRAYER CLEANUP**

Spray equipment must be cleaned following application of Presidio Fungicide. After Presidio Fungicide is applied, the following steps must be used to clean the spray equipment:

1. Completely drain the spray tank, rinse the sprayer thoroughly, including the inside and outside of the tank and all in-line screens.
2. Fill the spray tank with clean water and flush all hoses, booms, screens and nozzles.
3. Drain tank completely.
4. Remove all nozzles and screens and rinse them in clean water.
5. The rinsate solution may be applied to the turf and ornamentals as recommended on this label. Do not exceed the maximum labeled use rate. If cleaners are used, consult the cleaner label for disposal instructions. If no instructions are given, dispose of rinsate at an approved waste disposal facility.

### **APPLICATION EQUIPMENT**

Application equipment must be clean and in good repair. Nozzles should be frequently checked for accuracy.

### **CARRIER VOLUME**

Apply Presidio Fungicide in sufficient water to ensure thorough coverage of foliage, bloom, and fruit. Thorough coverage is required for optimal disease control. For ground application, apply a minimum of 200 litres of spray mixture per hectare and for aerial application, apply a minimum of 50 litres of spray mixtures per hectare to ensure thorough coverage.

### **AERIAL APPLICATION**

To minimize drift, apply the largest droplet size consistent with uniform coverage and satisfactory disease control. To obtain satisfactory application and avoid drift, the following directions must be observed:

- Do not apply during low-level inversion conditions, when winds are gusty or under other conditions that favour drift. Do not spray when wind velocity is less than 3 km/h or more than 16 km/h.
- **Carrier Volume and Spray Pressure:** Application at less than 50 litres per hectare may provide inadequate coverage and control. The higher gallonage applications generally afford more consistent disease control. Do not exceed the nozzle manufacturer's recommended pressures. For many nozzle types, lower pressure produces larger droplets. When higher flow rates are needed, use higher flow rate nozzles instead of increasing pressure.
- **Nozzle Selection and Orientation:** Formation of very small drops may be minimized by appropriate nozzle selection, by orienting nozzles away from the air stream as much as possible and by avoiding excessive spray pressure. Use nozzles that produce flat fan or cone spray patterns. Use non-drip type nozzles, such as diaphragm type nozzles, to avoid unwanted discharge of spray solution. The nozzles must be directed toward the rear of the aircraft, producing a spray discharge at an angle between 0 and 15° downward. Do not place nozzles on the outer 25% of the wings or rotors.
- **Adjuvants and Drift Control Additives:** Refer to tank mix partner's label for adjuvant recommendation. Drift control additives may be used although it is better to obtain coarser sprays through appropriate nozzle selection and use wherever possible. When a drift control additive is used, read and carefully observe the cautionary statements and all other information appearing on the additive label, and be certain of compatibility with the tank mix and nozzle types being used before selecting any adjuvant types.

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) 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) medium classification. To reduce drift caused by turbulent wingtip vortices, the nozzle distribution along the spray boom length **MUST NOT** exceed 65% of the wing or rotorspan.

#### **Buffer zones:**

Use of the following spray methods or equipment **DO NOT** require a buffer zone: hand-held or backpack sprayer and spot treatment.

The buffer zones specified in the table below are required between the point of direct application and the closest downwind edge of sensitive terrestrial habitats (such as grasslands, forested areas, shelter belts, woodlots, hedgerows, riparian areas and shrublands), sensitive freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs and wetlands) and estuarine/marine habitats.

Method of application	Crop		Buffer Zones (metres) Required for the Protection of:				
			Freshwater Habitat of Depths:		Estuarine/Marine Habitats of Depths:		Terrestrial habitat
			Less than 1 m	Greater than 1 m	Less than 1 m	Greater than 1 m	
Field sprayer	Brassica (head and stem vegetables), brassica root vegetables, cucurbit vegetables, tomatoes, peppers, leafy vegetables, leafy brassica greens, potato, ginseng, tobacco, basil, hops, Edible-podded beans, outdoor ornamentals		1	0	1	0	1
Airblast	Hops	Early growth stage	5	0	2	0	3
		Late growth stage	3	0	1	0	12
Aerial	Potato	Fixed or rotary wing	5	0	1	0	15

For tank mixes, consult the labels of the tank-mix partners and observe the largest (most restrictive) buffer zone of the products involved in the tank mixture and apply using the coarsest spray (ASAE) category indicated on the labels for those tank mix partners.

### ROTATIONAL RESTRICTIONS

The following rotational crops may be planted after applying Presidio Fungicide at the labeled rate. Rotation to all other crops is prohibited.

CROPS	ROTATIONAL INTERVAL
Basil Brassica (Head and Stem) Bulb Vegetables Cucurbit Vegetables Fruiting Vegetables Hops Leafy Vegetables (including leafy brassica greens) Root and Tuber Vegetables (Except Carrot and Sugar Beet) Ginseng Tobacco Edible-podded beans	Immediately



Wheat and field corn	30 days
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**SPECIFIC DIRECTIONS FOR USE – ALL CROPS**

**When to Apply:** Begin application when crop and/or environmental conditions favour disease development. Make applications on a 7 to 14 day interval, depending on disease pressure. Under severe disease pressure or if rain is expected, use the higher labeled rate and shortest interval. Apply as a foliar spray in sufficient water to obtain thorough coverage.

**Resistance Management:** Presidio Fungicide must be used as a part of an integrated pest management (IPM) program. Presidio Fungicide must be applied as a foliar spray in a tank mix with another labeled fungicide product with a different mode of action on the same target pathogen, unless otherwise noted in the crop specific directions for use.

**Restrictions and Limitations**

- The maximum Presidio Fungicide application rate is 292 mL per hectare and 880 mL per hectare per season, unless otherwise specified in the Specific Directions for Use below.
- Apply no more than 2 sequential applications of Presidio Fungicide before alternating with an effective fungicide from a different resistance management group, unless otherwise specified in the Specific Directions for Use below.
- Do not make more than 4 applications of Presidio Fungicide per season, unless otherwise specified in the Specific Directions for Use below.

**SPECIFIC DIRECTIONS FOR USE**

<b>BRASSICA (HEAD AND STEM) VEGETABLES:</b> Broccoli, Brussels Sprouts, Cabbage, Cauliflower, Cavalo Broccolo, Chinese Broccoli, Chinese (napa) Cabbage, Chinese Mustard Cabbage, Kohlrabi			
<b>BRASSICA ROOT VEGETABLES:</b> radish, rutabaga, horseradish, turnip			
<b>Diseases</b>	<b>Application Rate (mL/ha)</b>	<b>Spray Volume (L/ha)</b>	<b>Specific Use Instructions</b>
Downy Mildew <i>(Peronospora parasitica)</i>	292	200-1000	<p>For resistance management, Presidio Fungicide must be tank-mixed with a labelled rate of another fungicide registered for the target pathogen, but with a different mode of action. Apply Presidio Fungicide in a tank mix with Bravo 500. Follow the most restrictive use directions of either label.</p> <p>Make foliar applications on a 7 to 10 day schedule beginning with initial flowering, or when disease conditions are favourable, but prior to disease development. Use the longer interval as preventive applications. Use the shorter interval if disease is present.</p> <p>Minimum time from last application to harvest (PHI): 2 days for Brassica Head and Stem Vegetables. 7 days for Brassica Root Vegetables.</p>

**SPECIFIC DIRECTIONS FOR USE**

**CUCURBIT VEGETABLES:** Acorn Squash; Balsam Apple; Balsam Pear; Bittermelon; Butternut Squash; Calabaza; Cantaloupe; Chinese Cucumber; Chinese Okra; Chinese Preserving Melon; Chinese Waxgourd; Citron Melon; Cucumber; Cucuzza; Gherkin; Gourd, Edible; Hechima; Hubbard Squash; Hyotan; *Momordica* spp; Muskmelon; Pumpkin; Spaghetti Squash; Summer Squash; Watermelon; Winter Squash

<b>Diseases</b>	<b>Application Rate (mL/ha)</b>	<b>Spray Volume (L/ha)</b>	<b>Specific Use Instructions</b>
Downy Mildew ( <i>Pseudoperonospora cubensis</i> )	292	200-1000	For resistance management, Presidio Fungicide must be tank-mixed with a labelled rate of another fungicide registered for the target pathogen, but with a different mode of action. Apply Presidio Fungicide in a tank mix with Bravo 500. Follow the most restrictive use directions of either label.  Do not apply more than 2 times per season. Do not make sequential applications. Make applications of Presidio Fungicide preventatively, prior to disease development.  Make foliar applications on a 7 to 10 day schedule beginning with initial flowering, or when disease conditions are favourable, but prior to disease development. Use the shorter interval if disease is present.
Phytophthora Blight/Crown Rot ( <i>Phytophthora capsici</i> ) (suppression)	292		Apply as a soil or foliar application on a 7 to 10-day schedule beginning when conditions are favourable for disease development and prior to disease onset. For best results, application should begin at planting or transplanting. Maximum 2 applications allowed.

Minimum time from last application to harvest (PHI): 2 days

**SPECIFIC DIRECTIONS FOR USE**

**FRUITING VEGETABLES: TOMATO and PEPPER**

<b>Diseases</b>	<b>Application Rate (mL/ha)</b>	<b>Spray Volume (L/ha)</b>	<b>Specific Use Instructions</b>
Late Blight ( <i>Phytophthora infestans</i> )  Phytophthora Blight ( <i>Phytophthora capsici</i> ) (suppression)	292	200-1000	For resistance management, Presidio Fungicide must be tank-mixed with a labelled rate of another fungicide registered for the target pathogen, but with a different mode of action. Apply Presidio Fungicide in a tank mix with Bravo 500 for late blight, Revus for phytophthora blight. Follow the most restrictive use directions of either label

			<p><b>Phytophthora Blight:</b> Apply as a soil or foliar application on a 7 to 10-day schedule beginning when conditions are favourable for disease development and prior to disease onset. For best results, application should begin at planting or transplanting.</p> <p>Minimum time from last application to harvest (PHI): 2 days</p>
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### SPECIFIC DIRECTIONS FOR USE

<b>LEAFY VEGETABLES (EXCEPT BRASSICA VEGETABLES):</b> Amaranth, Chinese Spinach; Cardoon; Chrysanthemum, Edible-leaved; Chrysanthemum, Garland; Dandelion; Endive, Escarole; Lettuce, Head and Leaf; Orach; Red Chicory; Rhubarb; Spinach; Spinach, New Zealand; Spinach, Vine; Swiss Chard			
Diseases	Application Rate (mL/ha)	Spray Volume (L/ha)	Specific Use Instructions
Downy Mildews ( <i>Bremia lactucae</i> , <i>Peronospora farinosa</i> )	292	200-1000	<p>For resistance management, Presidio Fungicide must be tank-mixed with a labelled rate of another fungicide registered for the target pathogen, but with a different mode of action. Apply Presidio Fungicide in a tank mix with Bravo 500. Follow the most restrictive use directions of either label.</p> <p>Make foliar applications on a 7 to 10 day schedule beginning with initial flowering, or when disease conditions are favourable, but prior to disease development. Use the longer interval as preventive applications. Use the shorter interval if disease is present.</p> <p>Minimum time from last application to harvest (PHI): 2 days</p>

### SPECIFIC DIRECTIONS FOR USE

<b>POTATO</b>			
Diseases	Application Rate (mL/ha)	Spray Volume (L/ha)	Specific Use Instructions
Late Blight ( <i>Phytophthora infestans</i> )	292	200-500  Aerial: minimum 50	<p>For resistance management, Presidio Fungicide must be tank-mixed with a labelled rate of another fungicide registered for the target pathogen, but with a different mode of action. Apply Presidio Fungicide in a tank mix with Aliette. Follow the most restrictive use directions of either label.</p> <p>Late Blight: make foliar applications on a 7 to 10-day schedule beginning when conditions are favourable, but prior to disease development.</p>

			<p>Minimum time from last application to harvest (PHI): 7 days.</p> <p>Valent makes no claim(s) for postharvest disease control or while crop is in storage.</p>
<p>For use on potatoes grown for consumption in the U.S. and Canada; Do not export treated potatoes, or processed commodities, outside of the U.S. and Canada</p>			

**NOTE TO BUYER/USER: READ THE FOLLOWING BEFORE USING THIS PRODUCT FOR SPECIAL USE APPLICATIONS:**

The DIRECTIONS FOR USE for this product for the use described in this section of the label were developed by persons other than Valent Canada, Inc. under the User Requested Minor Use Label Expansion program. For these uses, Valent 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.

**SPECIFIC DIRECTIONS FOR USE**

<b>POTATO</b>			
<b>Diseases</b>	<b>Application Rate (mL/ha)</b>	<b>Spray Volume (L/ha)</b>	<b>Specific Use Instructions</b>
Pink Rot <i>(Phytophthora erythroseptica)</i>	292	In-furrow: 50-100  Soil Application: 200-400	<p>Apply Presidio Fungicide using a 15-20 cm band directly over the seed piece, or in the furrow where the seed piece is to be dropped, prior to furrow closure. A second application of Presidio Fungicide should be made between hilling and tuber initiation, sprayed directly to the soil. Apply as band to the soil at the base of the plants or as a broadcast spray. Tank-mix Presidio Fungicide with a registered alternative such as Ridomil Gold 480SL Fungicide or Phostrol Fungicide. Follow the most restrictive use directions on the individual product labels.</p> <p>Do not combine in-furrow/soil applications and foliar applications.</p> <p>Do not make more than 2 applications of Presidio Fungicide per season.</p> <p>For resistance management, Presidio Fungicide may be tank-mixed with a labelled rate of another fungicide registered for the target pathogen, but with a different mode of action.</p> <p>A number of factors affect pink rot severity including: variety susceptibility, field history, environmental conditions, etc. Additional applications of an effective material on pink rot may be necessary.</p> <p>Minimum time from last application to harvest (PHI):</p>

			30 days  Valent makes no claim(s) for postharvest disease control or while crop is in storage.
For use on potatoes grown for consumption in the U.S. and Canada; Do not export treated potatoes, or processed commodities, outside of the U.S. and Canada			

### SPECIFIC DIRECTIONS FOR USE

<b>GINSENG</b>			
<b>Diseases</b>	<b>Application Rate (mL/ha)</b>	<b>Spray Volume (L/ha)</b>	<b>Specific Use Instructions</b>
Phytophthora root rot and foliar blight ( <i>Phytophthora cactorum</i> )	292	200	<p>For resistance management, Presidio Fungicide must be tank-mixed with a labelled rate of another fungicide registered for the target pathogen, but with a different mode of action. Apply Presidio Fungicide in a tank mix with Reason, Phostrol, Maestro, Revus, Acrobat, Ridomil Gold or Aliette. Follow the most restrictive use directions of either label.</p> <p>Make foliar applications on a 7 to 10-day schedule beginning when conditions are favourable, but prior to disease development.</p> <p>Do not make more than 3 foliar applications per season.</p> <p>Minimum time from last application to harvest (PHI): 7 days.</p>

### SPECIFIC DIRECTIONS FOR USE

<b>TOBACCO</b>			
<b>Diseases</b>	<b>Application Rate (mL/ha)</b>	<b>Spray Volume (L/ha)</b>	<b>Specific Use Instructions</b>
Blue Mold ( <i>Peronospora tabacina</i> )	292	200	<p>For resistance management, Presidio Fungicide must be tank-mixed with a labelled rate of another fungicide registered for the target pathogen, but with a different mode of action. Apply Presidio Fungicide in a tank mix with Actigard, Aliette or Quadris. Follow the most restrictive use directions of either label.</p> <p>Apply as a foliar spray prior to disease onset or at first indication that blue mold is in the area. A second foliar application may be made, with a minimum treatment interval of 7 days between foliar applications.</p> <p>Make no more than 2 foliar applications per season.</p> <p>Minimum time from last application to harvest (PHI): 7 days.</p>

### SPECIFIC DIRECTIONS FOR USE

<b>OUTDOOR ORNAMENTALS (FIELD AND CONTAINER GROWN BEDDING PLANTS AND CUT</b>
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<b>FLOWERS)</b>			
<b>Diseases</b>	<b>Application Rate (mL/ha)</b>	<b>Spray Volume (L/ha)</b>	<b>Specific Use Instructions</b>
Downy mildew ( <i>Peronospora</i> spp.)	60-119  For foliar applications, apply the spray solution to all plant surfaces and to the point of runoff.	380	Make foliar or drench applications on a 14 to 28 day schedule beginning when disease conditions are favourable, but prior to disease development. Use the lower rate and longer interval as preventive applications. Use the higher rate and shorter interval if disease is present.  Do not apply more than two applications per cropping cycle.
Phytophthora crown and root rot ( <i>Phytophthora</i> spp.) (suppression)	For drench applications, use enough solution to wet the root zone of plants.		For resistance management, Presidio Fungicide must be tank-mixed with a labelled rate of another fungicide registered for the target pathogen, but with a different mode of action. Apply Presidio Fungicide in a tank mix with Aliette. Follow the most restrictive use directions of either label.  Make foliar or drench applications on a 14 to 28 day schedule beginning when disease conditions are favourable, but prior to disease development. Use the lower rate and longer interval as preventive applications. Use the higher rate and shorter interval if disease is present.  Do not apply more than two applications per cropping cycle.  Do not apply sequentially, alternate with another fungicide registered for use on ornamentals
<p>The large number of existing ornamental species and their varieties and cultivars coupled with the constant introduction of new varieties makes it impossible to field test Presidio Fungicide in every locale where it is sold or in all the combinations of location and plant varieties. To ensure that Presidio Fungicide is compatible with the ornamental plant variety or cultivar under your specific conditions, test on a limited scale and observe for phytotoxicity or other unintended side effects for two weeks before making large scale applications.</p> <p>NOTE: Phytotoxicity has been observed on poinsettia following repeated applications on a 14-day interval. Do not make more than one application per cropping cycle on poinsettia.</p> <p>Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours.</p>			
<b>SPECIFIC DIRECTIONS FOR USE</b>			
<b>GREENHOUSE ORNAMENTALS</b>			
<b>Diseases</b>	<b>Application Rate (mL/ha)</b>	<b>Spray Volume (L/ha)</b>	<b>Specific Use Instructions</b>
Downy Mildew ( <i>Peronospora</i> spp. and <i>Plasmopara</i> spp.)	292	190-380	Application should be made prior to disease development.

			<p>Apply as a broadcast spray in 190 to 380 litres per hectare or 19.0 to 38 litres per 1000 m<sup>2</sup>. Apply the spray solution to all plant surfaces and to the point of runoff.</p> <p>For resistance management, Presidio Fungicide must be used in a tank mix with TORRENT 400SC Agricultural Fungicide, or another registered alternative from a different fungicide group that is effective against the target pest.</p> <p>Do not apply more than one application per cropping cycle.</p>
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**NOTE:** Since ornamental varieties are numerous, constantly changing and may react differently to Presidio Fungicide and tank mixtures with this product, test the product(s) on a small scale before making large scale applications. Levels of efficacy may also vary depending on ornamental variety or disease-causing pathogen.

### SPECIFIC DIRECTIONS FOR USE

**CROP SUBGROUP 5B - LEAFY BRASSICA GREENS:** Broccoli raab, Cabbage, Chinese (bok choy), Collards, Kale, Mizuna, Mustard greens, Mustard spinach, Rape greens

Diseases	Application Rate (mL/ha)	Spray Volume (L/ha)	Specific Use Instructions
Downy Mildew ( <i>Hyaloperonospora Parasitica</i> )	220	200-1000	<p>For resistance management, Presidio Fungicide must be tank-mixed with a labelled rate of another fungicide registered for the target pathogen, but with a different mode of action. For example, apply Presidio Fungicide in a tank mix with Cyazofamid 400SC Fungicide or Torrent 400SC for all crop group 5 crops. Follow the most restrictive use directions of either label.</p> <p>Make foliar applications on a 7 to 10 day schedule beginning with initial flowering, or when disease conditions are favourable, but prior to disease development. Use the longer interval as preventive applications. Use the shorter interval if disease is present.</p> <p>Do not make more than 3 applications or exceed (660 mL ha) per season</p> <p>Minimum time from last application to harvest (PHI): 2 days</p>

### SPECIFIC DIRECTIONS FOR USE

**BASIL (FIELD AND GREENHOUSE GROWN)**

Diseases	Application Rate (mL/ha)	Spray Volume (L/ha)	Specific Use Instructions
Downy mildew ( <i>Peronospora belbahrii</i> )	292	Minimum 200	For resistance management, Presidio Fungicide must be tank-mixed with a labelled rate of another fungicide registered for the target pathogen, but with a different mode of action. Apply Presidio Fungicide in a tank mix



			<p>with Revus Fungicide. Follow the most restrictive use directions of either label.</p> <p>Make foliar applications on a 7 day schedule beginning when disease conditions are favourable, but prior to disease development. Use the lower rate and longer interval as preventive applications. Use the higher rate and shorter interval if disease is present. Apply no more than 2 sequential applications of Presidio Fungicide before alternating with an effective fungicide from a different resistance management group.</p> <p>Do not apply more than 880 mL/ha per season. Make no more than 3 applications per season. Do not apply this product using fogging equipment (handheld or automated), or using handheld mist blowers/airblast equipment.</p> <p>Minimum time from last application to harvest (PHI): 1 day.</p>
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#### SPECIFIC DIRECTIONS FOR USE

<b>HOPS</b>			
<b>Diseases</b>	<b>Application Rate (mL/ha)</b>	<b>Spray Volume (L/ha)</b>	<b>Specific Use Instructions</b>
Downy mildew ( <i>Pseudoperenospora humili</i> )	292	Minimum 500	<p>Make foliar applications on a 10-14 day schedule beginning when disease conditions are favourable, but prior to disease development. Apply Presidio Fungicide in a tank mix with Revus Fungicide. Follow the most restrictive use directions of either label.</p> <p>For resistance management, Presidio Fungicide must be tank-mixed with a labeled rate of another fungicide registered for the target pathogen, but with a different mode of action. Apply no more than 2 sequential applications of Presidio Fungicide before alternating with an effective fungicide from a different resistance management group.</p> <p>Do not apply more than 880 mL/ha per season. Make no more than 3 applications per season.</p> <p>Minimum time from last application to harvest (PHI): 24 days.</p>

#### SPECIFIC DIRECTIONS FOR USE

<b>EDIBLE-PODDED BEANS: Bean (<i>Phaseolus</i> spp.), Bean (<i>Vigna</i> spp.), Jackbean (<i>Canavalia ensiformis</i>) Soybean (immature seed) (<i>Glycine max</i>), and Sword bean (<i>Canavalia gladiata</i>)</b>			
<b>Diseases</b>	<b>Application Rate (mL/ha)</b>	<b>Spray Volume (L/ha)</b>	<b>Specific Use Instructions</b>

<p>Suppression of downy mildew (<i>Phytophthora nicotianae</i>, <i>P. phaseoli</i>), and phytophthora blight &amp; pod rot (<i>P. capsici</i>)</p>	<p>292</p>	<p>Minimum 200</p>	<p>Begin foliar applications when disease conditions are favourable, but prior to disease development with 7-14 days between treatments.</p> <p>For resistance management, Presidio Fungicide must be tank-mixed with a labeled rate of another fungicide registered for the target pathogen, but with a different mode of action. Apply no more than 2 sequential applications of Presidio Fungicide before alternating with an effective fungicide from a different resistance management group.</p> <p>Apply Presidio Fungicide in a tank mix with Revus Fungicide. Follow the most restrictive use directions of either label.</p> <p>Do not apply more than 880 mL/ha per season. Make no more than 3 applications per season.</p> <p>Minimum time from last application to harvest (PHI): 0 days.</p>
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Presidio<sup>®</sup> is a registered trademark of Valent U.S.A. LLC

{Base Container Label}

<b>GROUP</b>	<b>43</b>	<b>FUNGICIDE</b>
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<b>Presidio® Fungicide</b>
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**COMMERCIAL  
FUNGICIDE  
SUSPENSION**

For Control or suppression of labeled diseases in labeled crops.

**ACTIVE INGREDIENT:**

Fluopicolide..... 39.5%

Contains 1,2-Benzisothiazolin-3-one at 0.015% as a preservative OR contains 5-Chloro-2-methyl-4-isothiazolin-3-one at 0.0009% and 2-Methyl-4-isothiazolin-3-one at 0.0003% as a preservative.

REGISTRATION NO.: 30051  
PEST CONTROL PRODUCTS ACT

<b>READ THE LABEL BEFORE USE</b>
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**KEEP OUT OF REACH OF CHILDREN**



**CAUTION**

**POISON**

**EYE IRRITANT**

Valent Canada Inc.  
201-230 Hanlon Creek Blvd.  
Guelph, Ontario N1C 0A1  
Phone: 519-767-9262  
www.valent.ca

**NET CONTENTS: 946 mL**

## 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.

## FIRST AID

**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.

**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 person to fresh air. If 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 SWALLOWED:** Call a poison control centre or doctor immediately for treatment advice. Have 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.

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

***IN CASE OF EMERGENCY INVOLVING A MAJOR SPILL OR POISONING CALL  
1-800-682-5368***

## TOXICOLOGICAL INFORMATION

There is no specific antidote for this product. Apply symptomatic therapy.

## ENVIRONMENTAL PRECAUTIONS

TOXIC to aquatic organisms and non-target terrestrial plants. Observe buffer zones specified under DIRECTIONS FOR USE.

See label for full user precautions and restrictions.

## PRECAUTIONS

KEEP OUT OF THE REACH OF CHILDREN. Harmful if inhaled. May irritate eyes. Avoid contact with eyes. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco. Remove and wash contaminated clothing before reuse. Avoid breathing vapor or spray mist.

During mixing, loading, application, clean-up and repair, wear chemical-resistant gloves made with any waterproof material such as natural rubber  $\geq 14$  mm, long-sleeved shirt, long pants, socks and shoes. 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.

See label for full user precautions and restrictions.

## **DISPOSAL/DECONTAMINATION**

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. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Make the empty container unsuitable for further use.

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

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.

### **STORAGE:**

Do not contaminate water, food or feed by storage. Keep pesticide in original container. Store in a cool, dry, secure place. Do not put formulation or dilute spray solution into food or drink containers. Do not store or transport near feed or food. Not for use or storage in or around the home. To prevent contamination, store this product away from food or feed. Do not store at temperature below 0°C. If the product is exposed to temperatures below 0°C, thaw at 10°C or higher and shake gently to unify the product.

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