

13-OCT-2009  
2009-2150

GROUP	7	11	FUNGICIDE
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## PRISTINE™ WG FUNGICIDE

### WETTABLE GRANULES

Broad spectrum fungicide for use in the berry group, bulb vegetables group, carrots, grapes, greenhouse cucumbers, greenhouse tomatoes, leafy vegetables (except brassica), pomefruit group, stone fruits group and strawberries

### COMMERCIAL (AGRICULTURAL)

**GUARANTEE:**       Boscalid..... 25.2%  
                      Pyraclostrobin ..... 12.8%

Warning, contains the allergen sulfites

**REGISTRATION NO. 27985**

**PEST CONTROL PRODUCTS ACT**

**READ THE LABEL AND ATTACHED BROCHURE BEFORE USING**

**KEEP OUT OF REACH OF CHILDREN**

**NET CONTENTS:** 1 kg - 25 kg

BASF Canada Inc.  
100 Milverton Drive  
5th Floor  
Mississauga, Ontario  
L5R 4H1  
1-877-371-2273

**IN CASE OF EMERGENCY ENDANGERING LIFE OR PROPERTY  
INVOLVING THIS PRODUCT, CALL DAY OR NIGHT  
1-800-454-2673**

PRISTINE™ is a trademark of BASF.

## **PRECAUTIONS**

1. **KEEP OUT OF REACH OF CHILDREN.**
2. Harmful if swallowed. Do not take internally.
3. Avoid contact with eyes, skin and clothing.
4. Wash thoroughly after handling and before eating, drinking or smoking.
5. During mixing, loading, application, clean-up and repair, workers must wear coveralls over a long-sleeved shirt and long pants, gloves (rubber, PVC, neoprene or nitrile) and shoes plus socks.
6. If clothing becomes contaminated, remove and wash separately from household laundry before reuse.
7. Clean spray equipment thoroughly after use.
8. Crop specific restricted entry intervals are listed under Directions for Use under Crop specific application rate and timing tables.
9. Do not contaminate domestic or irrigation water, lakes, streams or ponds by the cleaning of equipment or the disposal of wastes.
10. 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., visit CropLife Canada's web site at [www.croplife.ca](http://www.croplife.ca).

## **STORAGE**

1. Store the leftover product in original tightly closed container.
2. **DO NOT** ship or store the product near food, feed, seed and fertilizers.
3. Store in cool, dry, locked, well-ventilated area without floor drain.

## **DISPOSAL**

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, rinsed 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.

## **FIRST AID**

**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.

**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 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**

Treat symptomatically.

## **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. The user assumes the risk to persons or property that arises from any such use of this product.

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## GENERAL INFORMATION

This package contains **PRISTINE WG fungicide**, a water dispersible granule (WG). The active ingredients in **PRISTINE WG fungicide** belong to two classes of fungicides, the strobilurin and the anilids. **PRISTINE WG fungicide** contains two different modes of action on most major diseases and is effective against pathogens resistant to other fungicides. **PRISTINE WG fungicide** inhibits spore germination, mycelial growth and sporulation of the fungus on the leaf surface. Optimum disease control is achieved when **PRISTINE WG fungicide** is applied in a regularly scheduled protective spray program and is used in a rotation with fungicides of a different mode of action.

## DIRECTIONS FOR USE (See specific sections for each crop group)

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.

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

**DO NOT** apply by air.

**DO NOT** use on transplants.

### 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.

Apply recommended rates of **PRISTINE WG fungicide** as instructed in the following series of crop specific application rate and timing tables. Apply **PRISTINE WG fungicide** with ground or airblast spray equipment. Equipment should be checked frequently for proper calibration.

### 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 are required between the point of direct application and the closest downwind edge of sensitive terrestrial habitats (such as grasslands, forested areas, shelter belts, wood lots, hedgerows, riparian areas and shrub lands), 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:				Terrestrial Habitat
			Freshwater Habitat of Depths:		Estuarine/Marine Habitats of Depths:		
			Less than 1 m	Greater than 1 m	Less than 1 m	Greater than 1 m	
Field sprayer*	Carrot, grapes		5	2	1	1	1
	Berry crop group, bulb vegetables, strawberries		10	3	1	1	1
	Leafy vegetables		20	3	2	1	1
Airblast	Stone fruits	Early growth stage	40	25	15	15	1
		Late growth stage	35	20	5	5	1
	Berry crop group	Early growth stage	45	30	20	20	1
		Late growth stage	35	20	10	10	1
	Grapes	Early growth stage	40	25	10	15	1
		Late growth stage	30	15	4	5	1
	Pome fruits	Early growth stage	45	25	15	15	1
		Late growth stage	35	20	5	5	1

\*For field sprayer application, buffer zones can be reduced with the use of drift reducing spray shields. When using a spray boom fitted with a full shield (shroud, curtain) that extends to the crop canopy, the labelled buffer zone can be reduced by 70%. When using a spray boom where individual nozzles are fitted with cone-shaped shields that are no more than 30 cm above the crop canopy, the labelled buffer zone can be reduced by 30%.

## CROP-SPECIFIC RECOMMENDATIONS

**Berry Crop Group Application Rate and Timing Table**

Crop	Disease	Application Rate (kg/ha)	Maximum Number of Applications per Season	Pre-Harvest Interval (days)
Blackberry Raspberry Currant	Botrytis grey mould ( <i>Botrytis cinerea</i> ) Anthracnose ( <i>Colletotrichum</i> spp.)	1.3 - 1.6	4	0
Elderberry Blueberry Gooseberry Huckleberry Loganberry	Phomopsis	1.6	4	0
Currant Gooseberry	Suppression of powdery mildew ( <i>Sphaerotheca mors-ueva</i> )	1.6	4	0
Lowbush Blueberry*	Suppression of <i>Valdensinia</i> leaf spot ( <i>Valdensinia heterodoxa</i> )	1.3 - 1.6	4	0
Saskatoon Berries	Entomosporium leaf spot ( <i>Entomosporium mespili</i> ) Gymnosporangium rust ( <i>Gymnosporangium nelsonii</i> )	1.6	4	0
<p>Begin applications prior to disease development and continue on a 7 to 14-day schedule. Use a shorter interval and/or higher rates when disease pressure is high.</p> <p><b>For low bush blueberries and other low bush berries:</b> Do not enter or allow worker entry into treated fields for hand harvesting and hand pruning during the restricted-entry interval (REI) of 24 hours. For all other activities, do not enter or allow worker entry into treated fields until residues have dried.</p> <p><b>For high bush blueberries and other high bush berries:</b> Do not enter or allow worker entry into treated highbush blueberry fields for hand harvesting during the restricted-entry interval (REI) of 29 days. For all other activities, do not enter or allow worker entry into treated fields until residues have dried.</p>				
<p><b>For caneberries (blackberry, raspberry and other caneberries):</b> Do not enter or allow worker entry into treated fields for hand harvesting, thinning, hand pruning, training, tying during the restricted-entry interval (REI) of 24 hours. For all other activities, do not enter or allow worker entry into treated fields until residues have dried.</p>				
<p><b>For currants, gooseberries and Saskatoon berries:</b> Do not enter or allow worker entry into treated fields for hand harvesting during the restricted-entry interval (REI) of 29 days. For all other activities, do not enter or allow worker entry into treated fields until residues have dried.</p>				
<p>*For low bush blueberry in Eastern Canada only</p>				

### Bulb Vegetables Application Rate and Timing Table

Crop	Disease	Application Rate (kg/ha)	Maximum Number of Applications per Season	Pre-Harvest Interval (days)
Onions (dry bulb and green) Garlic Leek Chives Shallot	Alternaria purple blotch ( <i>Alternaria porri</i> ) Botrytis leaf blight ( <i>Botrytis squamosa</i> ) Downy mildew ( <i>Peronosproa destructor</i> ) - suppression only	1.0 - 1.3	6	7

Begin applications prior to disease development at 1.0 - 1.3 kilograms per hectare of **PRISTINE WG fungicide** and continue on a 7 to 14-day schedule. Use the higher rate and shorter intervals when disease pressure is high.

Applications made to control Alternaria purple blotch and Botrytis leaf blight will also suppress downy mildew (*Peronospora destructor*).

To suppress downy mildew, apply **PRISTINE WG fungicide** when disease first appears when applied at a rate of 1.3 kg/ha. Follow up 5-7 days later with a fungicide of a different chemistry that is also effective against downy mildew.

Do not make sequential applications of **PRISTINE WG fungicide** when downy mildew occurs.

Do not enter or allow worker entry into treated areas for thinning during the restricted-entry interval (REI) of 3 days. For all other activities, do not enter or allow worker entry into treated areas until residues have dried.

### Carrot Application Rate and Timing Table

Crop	Disease	Application Rate (kg/ha)	Maximum Number of Applications per Season	Pre-Harvest Interval (days)
Carrot	Alternaria leaf blight ( <i>Alternaria dauci</i> )	0.580 - 0.735	6	0

Begin applications prior to disease development and continue on a 7 to 14-day schedule. Use the higher rate and shorter interval when disease pressure is high.

Do not enter or allow worker entry into treated areas for hand harvesting during the restricted-entry interval (REI) of 3 days. For all other activities, do not enter or allow worker entry into treated areas until residues have dried.

## Grape Application Rate and Timing Table

Crop	Disease	Application Rate (kg/ha)	Maximum Number of Applications per Season	Pre-Harvest Interval (days)
Grape	Powdery mildew ( <i>Uncinula necator</i> ) Bunch rot complex ( <i>Cladosporium</i> spp., <i>Aspergillus</i> spp.) Botrytis grey mold ( <i>Botrytis cinerea</i> ) – suppression only	0.420 - 0.735	6	14
	Downy mildew ( <i>Plasmopara viticola</i> ) – Foliar	0.675 - 0.735	6	14
	Black rot ( <i>Guignardia bidwellii</i> ) – Fruit	0.735	6	14

For control of powdery mildew, begin applications at bud break or prior to the onset of disease using 0.420 kg/ha on a 10 to 14 day interval. Use 0.735 kg/ha on a 21 day interval. For control of black rot and downy mildew, begin applications at pre-bloom or prior to the onset of disease and continue on a 10-14 day interval.

For suppression of Botrytis grey mold, begin applications, prior to the onset of disease, during bloom, prior to bunch closure and at veraison.

For other diseases listed above, begin applications prior to the onset of disease and continue on a 10 to 14 day interval.

Use the higher rate and a shorter interval when disease pressure is high and during periods of rapid growth.

Not for use on table grapes.

**Do not use on Concord, Worden or Fredonia varieties due to possible injury.**

### Sensitive Crops

**PRISTINE WG fungicide** may cause injury to foliage of Concord or related grape varieties such as Worden and Fredonia. Do not use **PRISTINE WG fungicide** on these varieties and use special care when applying **PRISTINE WG fungicide** to prevent contact with these sensitive varieties. Consult your retailer or provincial specialist for more information concerning these sensitive grape varieties. Thoroughly rinse spray equipment, including the inside of the tank, hoses and nozzles after using **PRISTINE WG fungicide** and again before using the same spray equipment on Concord, Worden and Fredonia varieties sensitive to **PRISTINE WG fungicide**.

Do not enter or allow worker entry into treated grapes during the restricted-entry interval (REI) for 21 days for hand harvesting, thinning, tying, leaf pulling and hand pruning. For all other activities, do not enter or allow worker entry into treated grape fields until residues have dried.

## Greenhouse Cucumbers Application Rate and Timing Table

Do not use on greenhouse transplants.

Crop	Disease	Application Rate (kg/ha)	Pre-Harvest Interval (days)
Greenhouse cucumbers	Powdery mildew ( <i>Sphaerotheca fuliginea</i> ) - suppression Gummy stem blight ( <i>Didymella bryoniae</i> ) - suppression	1.3	0
<p>Apply when conditions favour disease development.</p> <p><b>DO NOT</b> apply this product using any type of foggers or misters.</p> <p>Use a minimum of 250 L/ha water volume.</p> <p><b>DO NOT</b> apply more than once per crop cycle.</p> <p><b>DO NOT</b> re-enter until sprays have dried.</p>			

## Greenhouse Tomatoes

Do not use on greenhouse transplants.

Crop	Disease	Application Rate (kg/ha)	Pre-Harvest Interval (days)
Greenhouse tomatoes	Botrytis grey mold ( <i>Botrytis cinerea</i> ) Suppression of powdery mildews ( <i>Oidium lycopersici</i> ; <i>Leveillula taurica</i> ; <i>Erysiphe polygoni</i> )	1.6	0
<p>Begin applications prior to disease development.</p> <p><b>PRISTINE WG fungicide</b> with 1 application will provide control of Botrytis grey mold on greenhouse tomatoes for a period of 10 to 14 days depending on disease pressure.</p> <p><b>DO NOT</b> apply this product using any type of foggers or misters.</p> <p>Use a minimum of 250 L/ha water volume.</p> <p><b>DO NOT</b> apply more than once per crop cycle.</p> <p><b>DO NOT</b> re-enter until sprays have dried.</p>			

**Leafy Vegetables (except brassica vegetables)  
Application Rate and Timing Table**

Crop	Disease	Application Rate (kg/ha)	Maximum Number of Applications per Season	Pre-Harvest interval (days)
Celery	Suppression of late leaf blight ( <i>Septoria apiicola</i> )	1.0	2	0
	Suppression of early leaf blight ( <i>Cercospora apii</i> )	1.0	1	
	Suppression of sclerotinia white mold, sclerotinia leaf drop ( <i>Sclerotinia spp.</i> )	1.0 – 1.3	2	
Spinach ( <i>Spinacea oleracea</i> , New Zealand, vine)	Suppression of downy mildew ( <i>Peronospora farinosa f.sp. spinaciae</i> )	1.6	2	0
	Suppression of sclerotinia white mold, sclerotinia leaf drop ( <i>Sclerotinia spp.</i> )	1.0 – 1.3	1	
Celtuce, cardoon, Chinese celery, Florence fennel, rhubarb, Swiss chard	Suppression of sclerotinia white mold, sclerotinia leaf drop ( <i>Sclerotinia spp.</i> )	1.0 – 1.3	1	0

Make only one application per crop per season unless otherwise indicated. Begin applications prior to disease development. A second application may be made to the indicated crops on a 7 to 14-day schedule. Use the higher rate and shorter intervals when disease pressure is high.

To suppress downy mildew, apply **PRISTINE WG fungicide** when disease first appears. Follow 5 to 7 days later with a fungicide of a different mode of action registered for downy mildew control on the respective crop. Do not make sequential applications of **PRISTINE WG fungicide** when downy mildew occurs.

Do not enter or allow worker entry into treated areas for 24 hours after application. For hand harvesting and thinning in leafy vegetable crops, do not enter treated areas for 9 days after application.

### Pome Fruit Crop Group: Application Rate and Timing Table

Crop	Disease	Application Rate (kg/ha)	Maximum Number of Applications per Season	Pre-Harvest Interval (days)
Apple, crabapple, loquat, mayhaw, pear, pear oriental, quince	Apple scab ( <i>Venturia inaequalis</i> ) Pear scab ( <i>Venturia pirina</i> ) Powdery mildew ( <i>Podosphaera leucotricha</i> )	1.0 - 1.2	4	5
	Flyspeck ( <i>Zygothia jamaicensis</i> ) Sooty blotch (disease complex) Brooks spot ( <i>Mycosphaerella pomi</i> )	0.6 - 0.8	4	5
<p><b>Application Directions for Scab and Powdery Mildew</b> Begin applications of <b>PRISTINE WG fungicide</b> prior to disease development and continue on a 7 to 10-day interval. Use the higher rate and shorter interval during periods of rapid growth or when disease pressure is high.</p> <p><b>Application Directions for Flyspeck, Sooty Blotch and Brooks Spot</b> Begin applications of <b>PRISTINE WG fungicide</b> prior to disease development and continue on a 7 to 14-day interval. Use the higher rate and shorter interval when disease pressure is high.</p> <p>Application rates are based on a tree size requiring a standard dilute spray of 2800 L/ha. DO NOT apply less than 0.60 kg/ha for scab and powdery mildew and 0.4 kg/ha for flyspeck, sooty blotch and brooks spot.</p> <p>Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 days for hand thinning and 5 days for hand harvesting. For all other activities, do not enter or allow workers to enter until residues have dried.</p>				

### Stone Fruit Application Rate and Timing Table

Crop	Disease	Application Rate (kg/ha)	Maximum Number of Applications per Season	Pre-Harvest Interval (days)
Apricot Cherry (sweet and sour) Nectarine Peach Plum Prune	Blossom blight ( <i>Monilinia</i> spp.) Brown rot ( <i>Monilinia</i> spp.) Anthracnose ( <i>Colletotrichum</i> spp.) Leaf spot ( <i>Blumeriella jaapii</i> ) Powdery mildew ( <i>Sphaerotheca</i> spp., <i>Podosphaera</i> spp.) - suppression only	0.735 - 1.0	5	0
	Rhizopus rot ( <i>Rhizopus stolonifer</i> and other <i>Rhizopus</i> spp.)	0.790 - 1.0	5	0

Crop	Disease	Application Rate (kg/ha)	Maximum Number of Applications per Season	Pre-Harvest Interval (days)
<p>Begin applications at pink bud or prior to disease development and continue on a 7 to 14-day schedule. Use the high rate and shorter interval when disease pressure is high.</p> <p>Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 10 days for hand thinning and 24 hours for hand harvesting. For all other activities, do not enter or allow worker entry into treated areas until residues have dried.</p> <p>Notify workers of the pesticide application by warning them verbally and by posting warning signs at entrances to treated areas. This warning sign MUST include the following statement, "DO NOT ENTER TREATED AREA TO DO HAND THINNING OR HARVESTING UNTIL (enter date REI expires)".</p>				

### Strawberry

Crop	Disease	Application Rate (kg/ha)	Maximum Number of Applications per Season	Pre-Harvest Interval (days)
Strawberries	Anthracnose <i>(Colletotrichum spp.)</i> Leaf spot <i>(Mycosphaerella spp.)</i> Powdery mildew <i>(Sphaerotheca spp.)</i> - higher rate only at 1.6 kg/ha Botrytis grey mould <i>(Botrytis cinerea)</i>	1.3 - 1.6	5	1
<p>Begin applications no later than 10% bloom or prior to disease development and continue on a 7 to 14-day schedule. Use the higher rate and shorter interval when disease pressure is high.</p> <p>Do not enter or allow worker entry into treated areas for hand harvesting, pinching, hand pruning and training during the restricted-entry interval (REI) of 24 hours. For all other activities, do not enter or allow worker entry into treated areas until residues have dried.</p>				

## Crop-Specific Restrictions and Limitations

Crop	Minimum Time from Application to Harvest (PHI)	Maximum Rate Per Hectare Per Application (kilograms)	Maximum Number of Applications	Maximum Rate Per Hectare Per Season (kilograms)
Berries group: <sup>1</sup> Blueberry, caneberry, raspberry	0 days	1.6	4	6.5
Bulb vegetables group: <sup>1</sup> Onions, garlic, leeks	7 days	1.3	6	7.8
Carrots	0 days	0.735	6	4.4
Grapes	14 days	0.735	6	4.4
Greenhouse cucumbers	0 days	1.3	1	1.3
Greenhouse tomatoes	0 days	1.6	1	1.6
Leafy vegetables	0 days	1.6	2	3.2
Pomefruit group <sup>1</sup>	5 days	1.2	4	4.8
Saskatoon berries	0 days	1.6	4	6.4
Stone fruits group: <sup>1</sup> Apricot, cherry (sweet & sour), nectarine, peach, plum, prune	0 days	1.0	5	5.1
Strawberries	1 day	1.6	5	8.1

<sup>1</sup> For a complete list of the various crop groups and required restricted-entry intervals, see crops listed above.

## MIXING

1. Ensure the spray tank is clean before use. Follow the clean-out recommendations stated on the label of the product that was previously used.
2. Fill the spray tank one-half full of water and start agitation.
3. Add the required amount of **PRISTINE WG fungicide** to the tank.
4. Continue agitation while filling the remainder of the spray tank .
5. After use, clean the spray tank.

## ENVIRONMENTAL HAZARDS

Toxic to aquatic organisms, non-target terrestrial plants and small wild animals. 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.

Boscalid present in **PRISTINE WG fungicide** is persistent and may carry over. It is recommended that any products containing boscalid not be used in areas treated with this product during the previous season.

## RESISTANCE-MANAGEMENT RECOMMENDATIONS

Please note that **PRISTINE WG fungicide** contains both a Group 7 (boscalid) and Group 11 (pyraclostrobin) fungicide. Any fungal population may contain individuals naturally resistant to **PRISTINE WG fungicide** and other Group 7 and Group 11 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 are specific for individual chemicals, such as enhanced metabolism, may also exist. Appropriate resistance-management strategies should be followed.

To delay fungicide resistance:

- Adhere to the label instructions regarding the use of **PRISTINE WG fungicide** or other Group 7 or 11 fungicides as stated in the Crop-Specific Restrictions and Limitations section of the label. **DO NOT** apply more than two (2) sequential applications of **PRISTINE WG fungicide** before alternating to at least one application of a fungicide with different mode of action other than Group 7 and Group 11.
- **PRISTINE WG fungicide** use should be based on an IPM program that includes scouting, historical information related to pesticide use, crop rotation and considers cultural, biological and other chemical control practices.
- Monitor treated fungal populations for resistance development.
- 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 advisers for any additional pesticide resistance-management and/or IPM recommendations for specific crops and pathogens.
- For further information and to report suspected resistance, contact a BASF representative at 1-877-371-2273 or at [www.agsolutions.ca](http://www.agsolutions.ca).

## RESTRICTIONS AND LIMITATIONS

1. DO NOT re-enter treated area until sprays have dried.
2. A plant back restriction of 14 days is required for all crops not on the label.

## PRECAUTIONS

1. **KEEP OUT OF REACH OF CHILDREN.**
2. Harmful if swallowed. Do not take internally.
3. Avoid contact with eyes, skin and clothing.
4. Wash thoroughly after handling and before eating, drinking or smoking.
5. During mixing, loading, application, clean-up and repair, workers must wear coveralls over a long-sleeved shirt and long pants, gloves (rubber, PVC, neoprene or nitrile) and shoes plus socks.
6. If clothing becomes contaminated, remove and wash separately from household laundry before reuse.
7. Clean spray equipment thoroughly after use.
8. Crop specific restricted entry intervals are listed under Directions for Use under Crop specific application rate and timing tables.
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10. 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., visit CropLife Canada's web site at [www.croplife.ca](http://www.croplife.ca).

## FIRST AID

**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.

**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 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**

Treat symptomatically.

## **STORAGE**

1. Store the leftover product in original tightly closed container.
2. **DO NOT** ship or store the product near food, feed, seed and fertilizers.
3. Store in cool, dry, locked, well-ventilated area without floor drain.

## **DISPOSAL**

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, rinsed 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.

## **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. The user assumes the risk to persons or property that arises from any such use of this product.

GROUP	7	11	FUNGICIDE
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**Pristine™ WG Fungicide**

**FOR EMERGENCY USE ONLY**

For sale and use in Ontario, British Columbia and Alberta for the control of powdery mildew and gummy stem blight in greenhouse cucumbers until December 31, 2009.

**COMMERCIAL (AGRICULTURAL)**

**GUARANTEE:**       Boscalid..... 25.2%  
                      Pyraclostrobin ..... 12.8%

**REGISTRATION NO. 27985**

**PEST CONTROL PRODUCTS ACT**

**READ THE LABEL AND ATTACHED BROCHURE BEFORE USING.  
KEEP OUT OF REACH OF CHILDREN.**

**NET CONTENTS:** 1-25 kg

BASF Canada Inc.  
100 Milverton Drive  
5th Floor  
Mississauga, Ontario  
L5R 4H1

**IN CASE OF EMERGENCY ENDANGERING LIFE OR PROPERTY  
INVOLVING THIS PRODUCT, CALL DAY OR NIGHT  
1-800-454-2673**

**Pristine™** is a trademark of BASF, used under license by BASF Canada Inc.

## GENERAL INFORMATION

Apply recommended rates of **PRISTINE WG FUNGICIDE** as instructed in the following series of crop application rate tables. Apply **PRISTINE WG FUNGICIDE** using high volume, low volume or ultra low volume ground equipment. **DO NOT** apply this product using any type of foggers or misters. Equipment should be checked frequently for proper calibration.

### Crop-Specific Recommendations

#### Greenhouse Cucumbers Crop Group: Application Rate and Timing Table

Do not use on greenhouse transplants.

Crop	Disease	Application Rate (kg/ha)	Pre-Harvest Interval (days)
Greenhouse cucumbers	Powdery Mildew ( <i>Podosphaera xanthii</i> ) Gummy Stem Blight ( <i>Didymella bryoniae</i> )	1.0 – 1.2	0
<p>Begin applications prior to disease development. Use a higher rates when disease pressure is high.</p> <p>Use a minimum of 250 L/ha water volume.</p> <p><b>DO NOT</b> apply more than once per crop cycle.</p>			

## CROP-SPECIFIC RECOMMENDATIONS

### Crop-Specific Restrictions and Limitations

Crop	Minimum Time From Application to Harvest (PHI)	Maximum Rate Per Hectare Per Application (kilograms)	Maximum Number of Applications Per Crop
Greenhouse cucumbers	0	1.2	Once per crop cycle

## MIXING

1. Ensure the spray tank is clean before use. Follow the clean-out recommendations stated on the label of the product that was previously used.
2. Fill the spray tank one-half full of water and start agitation.

3. Add the required amount of **PRISTINE WG fungicide** to the tank.
4. Continue agitation while filling the remainder of the spray tank .
5. After use, clean the spray tank.

## APPLICATION METHODS

### Ground application

Apply **PRISTINE WG fungicide** at rates listed in the Application Rate and Timing Tables (crop specific) when conditions are favourable for disease development. Use a minimum water volume to ensure thorough coverage of foliage. Consult nozzle manufacturers recommendation for spray pressures for specific nozzles.

## RESISTANCE-MANAGEMENT RECOMMENDATIONS

Please note that **PRISTINE WG FUNGICIDE** contains both a Group 7 (boscalid) and Group 11 (pyraclostrobin) fungicide. Any fungal population may contain individuals naturally resistant to **PRISTINE WG FUNGICIDE** and other Group 7 and Group 11 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 are specific for individual chemicals, such as enhanced metabolism, may also exist. Appropriate resistance-management strategies should be followed.

To delay fungicide resistance:

- Adhere to the label instructions regarding the use of **PRISTINE WG FUNGICIDE** or other Group 7 or 11 fungicides as stated in the Crop-Specific Restrictions and Limitations section of the label. **DO NOT** apply more than once per crop cycle.
- **PRISTINE WG FUNGICIDE** use should be based on an IPM program that includes scouting, historical information related to pesticide use, crop rotation and considers cultural, biological and other chemical control practices.
- Monitor treated fungal populations for resistance development.
- Contact your local extension specialist, or certified crop advisers for any additional pesticide resistance-management and/or IPM recommendations for specific crops and pathogens.
- For further information and to report suspected resistance, contact a BASF representative at 1-877-371-2273 or at [www.agsolutions.ca](http://www.agsolutions.ca).

## RESTRICTIONS AND LIMITATIONS

1. **DO NOT** re-enter treated area until sprays have dried.
2. All crops can be grazed or fed to livestock.
3. A plant back restriction of 14 days is required for all crops not on the label.
4. This product may be toxic to beneficial arthropods such as predatory and parasitoid insects.

## PRECAUTIONS

1. **KEEP OUT OF REACH OF CHILDREN.**
2. Harmful if swallowed. Do not take internally.
3. Avoid contact with eyes, skin and clothing.
4. Wash thoroughly after handling and before eating, drinking or smoking.
5. When mixing, loading, cleaning and applying **PRISTINE WG FUNGICIDE**, workers must wear coveralls over a long-sleeved shirt and long pants, gloves (rubber, PVC, neoprene or nitrile) and shoes plus socks.
6. If clothing becomes contaminated, remove and wash separately from household laundry before reuse.
7. Clean spray equipment thoroughly after use.
8. Crop specific restricted entry intervals are listed under Directions for Use under Crop specific application rate and timing tables.
9. Do not contaminate domestic or irrigation water, lakes, streams or ponds by the cleaning of equipment or the disposal of wastes.
10. 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 1-866-375-4648 or [www.croplife.ca](http://www.croplife.ca).

## STORAGE

1. Store the leftover product in original tightly closed container.
2. **DO NOT** ship or store the product near food, feed, seed and fertilizers.
3. Store in cool, dry, locked, well-ventilated area without floor drain.

## DISPOSAL

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.
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## FIRST AID INSTRUCTIONS

**IN CASE OF EYE CONTACT: IMMEDIATELY** flush eyes with flowing water for at least 15 minutes and consult a physician if irritation develops.

**IN CASE OF SKIN CONTACT:** Wash with soap and water. Remove contaminated clothing and launder separately from household laundry before re-use. Consult a physician if irritation develops.

**IF SWALLOWED: IMMEDIATELY** call a physician or poison control centre. **DO NOT** induce vomiting or give anything by mouth to an unconscious person.

**IF INHALED: IMMEDIATELY** remove affected victim(s) to fresh air. Assist breathing if necessary. **IMMEDIATELY** consult a physician or poison control centre.

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

## TOXICOLOGICAL INFORMATION

The patient should be treated symptomatically.

## NOTICE TO USER

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