

(Sleeve)

GROUP	3	11	FUNGICIDES
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Gauntlet® Fungicide

SUSPENSION CONCENTRATE

COMMERCIAL

For Control or Suppression of Listed Diseases in Lentils, Field peas, and Canola

ACTIVE INGREDIENTS:
Prothioconazole.....150 g/L
Azoxystrobin.....150 g/L

Contains 1,2-benzisothiazolin-3-one at 0.0089% as a preservative



CAUTION POISON
SKIN AND EYE IRRITANT

REGISTRATION NO. 35045 PEST CONTROL PRODUCTS ACT

READ THE LABEL AND BOOKLET BEFORE USING
KEEP OUT OF REACH OF CHILDREN

NET CONTENTS: 2 Litres - BULK

Nufarm Agriculture Inc.
5101, 333 – 96th Ave NE
Calgary, Alberta T3K 0S3
1-800-868-5444

24-Hour Emergency Response Number 1-800-424-9300

PRECAUTIONS:

KEEP OUT OF REACH OF CHILDREN. Harmful if inhaled. May irritate eyes. May irritate skin. Avoid contact with skin, eyes, and clothing. Avoid breathing vapor or spray mist. Wash thoroughly with soap and water after handling and before eating, drinking, or smoking. If product comes in contact with clothing, remove all contaminated clothing, wash skin with soap and water and dress in clean clothing. Launder applicator clothing separate from other laundry. Aircraft cockpit and vehicle cabs must be decontaminated regularly.

Apply only when the potential for drift beyond the area to be treated is minimal. Take into consideration wind speed, wind direction, temperature inversions, application equipment and sprayer settings.

DO NOT enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 24 hours.

DO NOT allow the pilot to mix chemicals to be loaded onto the aircraft. The pilot is allowed to load premixed chemicals with a closed system.

It is desirable that the pilot has communication capabilities at each treatment site at the time of application.

If this pest control product is to be used on a commodity that may be exported and you require information regarding Maximum Residue Limits for an importing country, please contact Nufarm Agriculture Inc. at 1-800-868-5444 or www.nufarm.ca.

PROTECTIVE CLOTHING AND EQUIPMENT:

Follow the personal protective equipment requirements for the appropriate mixer/loader and applicator scenarios as described below:

Application Equipment	Personal Protective Equipment	
	Mixer/Loader/ Clean-up and Repair	Applicator
Aerial	Long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes, and protective eyewear (goggles or face shield).	Long-sleeved shirt, long pants, chemical-resistant gloves ¹ , socks and shoes.
Groundboom		

¹ Gloves are not required within a closed cab and/or cockpit

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 **any** liquid to the person. Do not give anything by mouth to an unconscious person.

If in eyes: Hold eye open and rinse slowly and gently with water for 15 to 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.

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

TOXICOLOGICAL INFORMATION:

Treat symptomatically. No specific symptoms of poisoning are known for this product. If ingested, nausea, vomiting, diarrhea and abdominal pain may occur.

ENVIRONMENTAL PRECAUTIONS:

Toxic to aquatic organisms. Observe spray buffer zones specified under DIRECTIONS FOR USE.

The residues of azoxystrobin are persistent and may carry over. It is recommended that this product not be used in areas treated with any products containing azoxystrobin during the previous season.

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

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. Additional guidance can be found on the Runoff Mitigation portion of the Canada.ca website.

STORAGE:

- Store this product away from food or feed.
- Keep away from direct sunlight.
- Keep away from fire or open flame or other sources of heat.
- Do not store at temperatures below freezing.
- Shake well before using, and if stored for greater than 1 year.
- Store the tightly closed container away from feeds, seeds, fertilizer, plants and

- foodstuffs.
- Do not use or store in or around the home.
- Keep in original container during storage.
- In case of fire, leaking or damaged containers, call toll free 1-800-424-9300.

DISPOSAL:

Recyclable Container

Disposal of 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. 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 or territorial requirements.

Returnable Container

Disposal of container: DO NOT reuse this container for any purpose. For disposal, this empty container may be returned to the point of purchase (distributor/dealer).

Disposal of Unused, Unwanted Product: For information on disposal of unused, unwanted product, contact the registrant or the provincial or territorial regulatory agency. Contact the registrant and the provincial or territorial 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.

Gauntlet[®] is a trademark of Nufarm Agriculture Inc.

(Booklet)

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Application Equipment	Personal Protective Equipment	
	Mixer/Loader/ Clean-up and Repair	Applicator
Aerial	Long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes, and protective eyewear (goggles or face shield).	Long-sleeved shirt, long pants, chemical-resistant gloves ¹ , socks and shoes.
Groundboom		

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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 **any** liquid to the person. Do not give anything by mouth to an unconscious person.

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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.

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

TOXICOLOGICAL INFORMATION:

Treat symptomatically. No specific symptoms of poisoning are known for this product. If ingested, nausea, vomiting, diarrhea and abdominal pain may occur.

ENVIRONMENTAL PRECAUTIONS:

Toxic to aquatic organisms. Observe spray buffer zones specified under DIRECTIONS FOR USE.

The residues of azoxystrobin is persistent and may carry over. It is recommended that this product not be used in areas treated with any products containing azoxystrobin during the previous season.

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

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. Additional guidance can be found on the Runoff Mitigation portion of the Canada.ca website.

STORAGE:

- Store this product away from food or feed.
- Keep away from direct sunlight.
- Keep away from fire or open flame or other sources of heat.
- Do not store at temperatures below freezing.
- Shake well before using, and if stored for greater than 1 year.
- Store the tightly closed container away from feeds, seeds, fertilizer, plants and

foodstuffs.

- Do not use or store in or around the home.
- Keep in original container during storage.
- In case of fire, leaking or damaged containers, call toll free 1-800-424-9300.

DISPOSAL:

Recyclable Container

Disposal of 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. 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 or territorial requirements.

Returnable Container

Disposal of container: DO NOT reuse this container for any purpose. For disposal, this empty container may be returned to the point of purchase (distributor/dealer).

Disposal of Unused, Unwanted Product:

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

GENERAL INFORMATION:

Gauntlet® Fungicide is a broad-spectrum systemic fungicide for the control or suppression of listed plant diseases in lentils, field peas, and canola.

NOTE: **Gauntlet Fungicide** is extremely phytotoxic to certain apple varieties. Avoid spray drift. Extreme care must be taken to prevent injury to apple trees (and apple fruit). DO NOT spray **Gauntlet Fungicide** where spray drift may reach apple trees.

DIRECTIONS FOR USE:

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.

Field sprayer application: DO NOT apply when wind speed is less than 1 km/h. Avoid

application of this product when winds are gusty. DO NOT apply with spray droplets finer than the American Society of Agricultural and Biological Engineers (ASABE) S572 (572.1 to 572.3) medium classification. Boom height must be 60 cm or less above the crop or ground.

Conventionally piloted aircraft application: DO NOT apply when wind speed is less than 1 km/h. 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 finer than the American Society of Agricultural and Biological Engineers (ASABE) S572 (572.1 to 572.3) medium classification. Reduce drift caused by turbulent wingtip vortices. Nozzle distribution along the spray boom length MUST NOT exceed 65% of the wing- or rotorspan.

Apply only by 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

1. **DO NOT** allow the pilot to mix chemicals to be loaded onto the aircraft. Loading of premixed chemicals with a closed system is permitted.
2. It is desirable that the pilot has communication capabilities at each treatment site at the time of application.
3. 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.
4. All personnel on the job site must wash hands and face thoroughly before eating and drinking.
5. 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 registrant at 1-800-868-5444 or obtain technical advice from the distributor or your provincial agricultural representative. Application of this specific product must meet and/or conform to the following:

Volume: Apply the specified rate in a minimum spray volume of 50 litres per hectare for conventionally piloted aircraft.

Spray Buffer Zones:

A spray buffer zone is NOT required for:

- uses with hand-held application equipment permitted on this label.

The spray buffer zones specified in the table below are required between the point of direct application and the closest downwind edge of 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		Spray Buffer Zones (metres) Required for the Protection of:				
			Freshwater Habitat of Depths:		Estuarine/Marine Habitat of Depths:		Terrestrial Habitat:
			Less than 1 m	Greater than 1 m	Less than 1 m	Greater than 1 m	
Field sprayer	Canola, lentil, field peas		1	1	1	1	0
Aerial	Canola	Fixed wing	4	1	1	1	0
		Rotary wing	1	1	1	1	0
	Lentils,	Fixed wing	10	1	1	1	0
		Rotary wing	5	1	1	1	0

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

The spray buffer zones for this product for conventional application equipment can be modified based on weather conditions and spray equipment configuration by accessing the Spray Buffer Zone Calculator on the Drift Mitigation portion of the Canada.ca website.

Tank-Mixing:

This product may be tank mixed with a fertilizer, a supplement, or with registered pest control products, 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 pest control products can result in reduced pesticide efficacy or increased host crop injury. The user should contact Nufarm Agriculture Inc. at 1-800-868-5444 for information before applying any tank mix that is not specifically recommended on this label.

Mixing Instructions:

Gauntlet Fungicide must be applied with properly calibrated, clean equipment. Prior to adding **Gauntlet Fungicide** to the spray tank, ensure that the spray tank is thoroughly clean.

Gauntlet Fungicide applied alone:

- Add one-half of the required amount of water to the spray or mixing tank and start agitation.
- Add the required quantity of **Gauntlet Fungicide** to the water and complete filling with water to the required total volume.
- Maintain agitation throughout mixing and spraying.

Spraying Instructions:

Ground Application:

1. Use well-maintained and calibrated conventional spray equipment, which provides adequate and uniform coverage.
2. Apply **Gauntlet Fungicide** in a minimum of 100 L water/ha unless otherwise specified.
3. Spray screens should be no finer than 50 mesh.
4. Ensure that the by-pass line discharges at the bottom of the tank to minimize foaming.
5. Maintain pressure at no less than 275 kPa to ensure good foliage penetration and coverage.
6. Provincial or territorial spray buffer zones that are greater than the spray buffer zones indicated in the DIRECTIONS FOR USE should be respected.
7. If spray mixture remains in the tank overnight, or for long periods during the day, agitate thoroughly prior to application.

Aerial Application:

1. Apply **Gauntlet Fungicide** in a minimum of 50 L of water/ha.
2. To ensure proper coverage and distribution and to minimize drift, check to see

that swath width and droplet size are adequate, and that wind velocities are low.

3. Use mechanical flaggers only.

Disposal of Unused Spray Solution:

If any spray solution remains in the tank after spraying is finished, it should be sprayed on the perimeter of the area just sprayed, NOT ON THE CROP, away from water supplies, ditches, and irrigation canals. Spray buffer zones indicated in the DIRECTIONS FOR USE must also be respected.

Lentils			
CROPS	DISEASE	RATE	TIMING
Lentils	<p>For control of:</p> <p>Ascochyta blight (<i>Ascochyta lentis</i>)</p> <p>Asian soybean rust (<i>Phakopsora pachyrhizi</i>)</p> <p>Mycosphaerella blight (<i>Mycosphaerella pinodes</i>)</p> <p>Anthracnose (<i>Colletotrichum</i> spp.)</p> <p>For suppression of:</p> <p>White mold (<i>Sclerotinia sclerotiorum</i>)</p>	<p>Apply Gauntlet Fungicide at 833 mL/ha (125 g prothioconazole/ha, 125 g azoxystrobin/ha)</p> <p>After the initial application, one additional application may be made 10-14 days afterwards if conditions remain favourable for continued or increased disease development. Apply the higher rate when conditions favour disease development, or when growing less disease resistant varieties.</p>	<p>Apply Gauntlet Fungicide at the beginning of flowering or at first sign of disease.</p> <p>A maximum of 1.7 L/ha of Gauntlet Fungicide may be applied per crop year.</p> <p>Maximum of two applications per year.</p>
Note: Applications may be made by ground or aerial spray equipment. Do not apply within 15 days of cutting or swathing of the crop.			

Field Peas			
CROPS	DISEASE	RATE	TIMING

Field peas	<p>For control of:</p> <p>Asian soybean rust (<i>Phakopsora pachyrhizi</i>)</p> <p>Anthracnose (<i>Colletotrichum</i> spp.)</p> <p>For suppression of:</p> <p>Ascochyta blight (<i>Ascochyta pisi</i>)</p> <p>Mycosphaerella blight (<i>Mycosphaerella pinodes</i>)</p> <p>White mold (<i>Sclerotinia sclerotiorum</i>)</p>	<p>Apply Gauntlet Fungicide at 833 mL/ha (125 g prothioconazole/ha, 125 g azoxystrobin/ha)</p> <p>After the initial application, one additional application may be made 10-14 days afterwards if conditions remain favourable for continued or increased disease development. Apply the higher rate when conditions favour disease development, or when growing less disease resistant varieties.</p>	<p>Apply Gauntlet Fungicide at the first sign of disease.</p> <p>A maximum of 1.7 L/ha of Gauntlet Fungicide may be applied per crop year for field peas.</p> <p>Maximum of two applications per year.</p>
Note: Applications may be made by ground spray equipment only. Do not apply within 15 days of cutting or swathing of the crop.			

Canola			
CROP	DISEASE	RATE	TIMING

Canola	For control of: Sclerotinia stem rot (<i>Sclerotinia sclerotiorum</i>) (Suppression)	Apply Gauntlet Fungicide at 1000 mL/ha (150 g prothioconazole/ha, 150 g azoxystrobin/ha)	One application of Gauntlet Fungicide when the crop is in the early (10 to 50%) bloom stage. The higher rate is recommended for fields with a history of Sclerotinia infection, for dense crop stands or when environmental conditions favour disease development. Good spray coverage of the plants is essential.
	Alternaria black spot (<i>Alternaria brassicae</i> , <i>Alternaria raphani</i>)	Apply Gauntlet Fungicide at 1000 mL/ha (150 g prothioconazole/ha, 150 g azoxystrobin/ha)	(Control) One application of Gauntlet Fungicide when the crop is at the pod (90% petal fall) stage.
Note: Applications may be made by ground or aerial spray equipment. Do not apply within 36 days of cutting or swathing of the crop.			

Rotational Restrictions:

Rotational Crop	Planting Time from Last Application
All crops listed on this label	Immediately
All cereal crops not listed on this label	45 days
All other crops intended for food and feed	30 days

RESISTANCE MANAGEMENT RECOMMENDATIONS:

For resistance management, **Gauntlet Fungicide** contains a Group 3 fungicide and a Group 11 fungicide. Any fungal population may contain individuals naturally resistant to **Gauntlet Fungicide** and other Group 3 or 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 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 **Gauntlet Fungicide** or other Group 3 or 11 fungicides with different fungicide groups that control the same pathogens.
- Use tank mixtures with fungicide from a different group that is effective on 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 Nufarm Agriculture Inc. if reduced sensitivity of the pathogen to **Gauntlet 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 site of action, if available.
- Contact your local extension specialist or certified crop advisors for any additional pesticide resistance-management and/or IPM recommendations for specific crops and pathogens.
- For further information or to report suspected resistance, contact Nufarm Agriculture Inc. at 1-800-868-5444 or at www.nufarm.ca.

Pre-harvest Intervals

Crop	PHI (days)
Lentils, Field peas,	15
Canola	36

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