

2023-6854
2023-12-12

GROUP	3	11	FUNGICIDE
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(Sleeve)

Gauntlet™ Fungicide

SUSPENSION CONCENTRATE

COMMERCIAL

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

ACTIVE INGREDIENT:
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 NUMBER 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. 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.

Do not re-enter treated fields until 24 hours after 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:

Wear a long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes during mixing, loading, application, clean-up and repair. In addition, wear protective eyewear (goggles or a face shield) during mixing, loading, clean-up and repair. Gloves are not required during application 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**.

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.

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: 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/territorial requirements.

Returnable Container: DO NOT reuse this container for any purpose. For disposal, this

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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 manufacturer or the provincial/territorial regulatory agency. Contact the manufacturer and the provincial/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.

GauntletTM is a trademark of Nufarm Agriculture Inc.

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(Booklet)

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PROTECTIVE CLOTHING AND EQUIPMENT:

Workers must wear long pants, long-sleeved shirts, boots and chemical resistant gloves during mixing, loading, application, clean-up and repair activities. In addition, workers must wear safety goggles or a face shield during mixing, loading, clean-up and repair. Gloves are not required during application within closed cabs or cockpits.

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.

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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.

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.

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: 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/territorial requirements.

Returnable 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 manufacturer or the provincial/territorial regulatory agency. Contact the manufacturer and the provincial/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 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.

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. Buffer zones indicated in the DIRECTIONS FOR USE must also be respected.

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

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

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:	
			Less than 1 m	Greater than 1 m	Less than 1 m	Greater than 1 m
Field sprayer	Canola, lentil		1	1	1	1
Aerial	Canola	Fixed wing	3	1	1	1
		Rotary wing	1	1	1	1
	Lentils	Fixed wing	10	1	1	1
		Rotary wing	5	1	1	1

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 (ASAE) category indicated on the labels for those tank mix partners.

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

Lentils,			
CROPS	DISEASE	RATE	TIMING
Lentils,	For control of: Ascochyta blight (<i>Ascochyta lentis</i>) White mold (<i>Sclerotinia sclerotiorum</i>) Asian soybean rust (<i>Phakopsora pachyrhizi</i>) Mycosphaerella	Apply Gauntlet Fungicide at 833 mL/ha (250 g a.i./ha) 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	Apply Gauntlet Fungicide at the beginning of flowering or at first sign of disease. A maximum of 1.666 L/ha of Gauntlet Fungicide may be applied per crop year. Maximum of two applications per year.

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	blight (<i>Mycosphaerella pinodes</i>) Anthracnose (<i>Colletotrichum spp.</i>)	resistant varieties.	
Note: Applications may be made by ground or aerial spray equipment. 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 (300 g a.i./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 (300 g a.i./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:

Treated areas may be replanted with any crop specified on this label as soon as practical after the last application. For crops not listed on this label, do not plant back within 30 days of last application.

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.

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 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-GENERAL INFORMATION:

1. Apply only by fixed-wing or rotary aircraft equipment which has been functionally and operationally calibrated for the atmospheric conditions of the area and the application rates and conditions of this label.
2. 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.
3. Ensure uniform application. To avoid streaked, uneven or overlapped application, use appropriate marking devices.
4. Apply **Gauntlet Fungicide** in a minimum of 150 L of water/ha.
5. 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.
6. Use mechanical flaggers only.

AERIAL APPLICATION-USE PRECAUTIONS:

1. Apply only when meteorological conditions at the treatment site allow for complete and even crop coverage.
2. 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.

AERIAL APPLICATION- 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.
6. Read and understand the entire label before opening this product. If you have questions, call the manufacturer at 1-800-868-5444 or obtain technical advice from the distributor or your provincial agricultural representative.

MIXING INSTRUCTIONS:

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

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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.

Pre-harvest Intervals

Crop	PHI (days)
Lentils,	15
Canola	36

NOTICE TO USER:

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