

**NET CONTENTS:
2 - 101 LITRES and BULK**

PROLINE[®] 480 SC Foliar Fungicide

SUPPLEMENTAL LABEL - FOR EMERGENCY USE ONLY

**For sale and use in Ontario for control of Cercospora leaf spot in sugar beets
until December 31, 2009.**

AGRICULTURAL

SYMBOL – Triple Rinse

CAUTION – POISON

**REGISTRATION NUMBER: 28359
PEST CONTROL PRODUCTS ACT**

**GUARANTEE:
Prothioconazole 480 g/L**

Contains 1,2-benzisothiazolin-3-one at 0.04% and 5-chloro-2-methyl-4-isothiazolin-3-one at 0.001% and 2-methyl-4-isothiazolin-3-one at 0.0004% as preservatives.

**READ THE LABEL BEFORE USING
KEEP OUT OF REACH OF CHILDREN**

**Bayer CropScience Inc.
Suite 100, 3131-114th Avenue SE
Calgary, AB
T2Z 3X2**

For product information, call: 1-888-283-6847

**In case of spills, poisoning or fire, telephone emergency response number: 1-800-334-7577
(24 hours a day).**

PROLINE 480 SC Foliar Fungicide

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For more information, contact:

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GENERAL INFORMATION

Section 1: The Product

PROLINE 480 SC Foliar Fungicide is a broad-spectrum systemic fungicide for the control of Cercospora leaf spot in sugar beets.

SAFETY AND HANDLING

Section 2: Precautions, Protective Clothing & Equipment, and Re-entry Restriction.

PRECAUTIONS:

KEEP OUT OF REACH OF CHILDREN. Harmful if swallowed, inhaled or absorbed through 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. **DO NOT** re-enter treated fields until 24 hours post-application. 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 website at www.croplife.ca.

PROTECTIVE CLOTHING AND EQUIPMENT:

- During mixing, loading, clean-up and repair activities, workers must wear long pants, long-sleeved shirts, boots, chemical resistant gloves and safety goggles or a face shield.

Section 3: First Aid and Toxicological Information

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 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.

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

TOXICOLOGICAL INFORMATION:

- Treat symptomatically.
- Medical Personnel should contact Bayer's Medical Information Services, Toll-Free: 1-800-334-7577.

Section 4: ENVIRONMENTAL HAZARDS

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, consider the characteristics and conditions of the site before treatment. Site characteristics and conditions that may lead to runoff include, but are not limited to: heavy rainfall, moderate-to-steep slope, bare soil, poorly draining soil (e.g., soils that are compacted or fine-textured such as clay).

Avoid application of this product 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.

Section 5: STORAGE

Storage:

- Do not contaminate water, food, or feed by storage or disposal.
- Keep away from fire or open flame or other sources of heat.
- Do not store at temperatures below freezing.
- If stored for 1 year or longer, shake well before using.
- 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 1-800-334-7577.

Section 6: 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 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 regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for cleanup of spills.

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.

DIRECTIONS FOR USE**Section 7: Crop, Disease, Rate, Timing**

CROP	DISEASE	RATE	TIMING
Sugar beets	Foliar diseases: Cercospora Leaf Spot (<i>Cercospora beticola</i>)	315 – 415 mL/ha	Apply PROLINE 480 SC Foliar Fungicide at the first sign of disease. Use the higher rate and shorter intervals when conditions are favourable for severe disease pressure and/or when growing less disease-resistant varieties. Apply the specified rate of PROLINE 480 SC Foliar Fungicide in 100 – 200 L of water per hectare. Repeat applications as needed using a 14 to 21-day spray interval depending on disease pressure. Use a 14-day spray interval under normal to heavy disease pressure and a 21-day spray interval under light disease pressure.
<p>Note: A maximum of 3 application (1245 mL/ha of PROLINE 480 SC Foliar Fungicide) may be applied per crop year. Do not apply within 7 days of harvest.</p> <p>The lowest labelled rate of a non-ionic surfactant, AgSurf or Agral 90, may be tank-mixed with PROLINE 480 SC Foliar Fungicide. The application may be made by ground spray equipment. DO NOT apply by air.</p> <p>PROLINE 480 SC Foliar Fungicide is a Group 3 fungicide. To limit the potential for development of disease resistance, alternate every application of PROLINE 480 SC Foliar Fungicide with a non-Group 3 fungicide.</p>			

DO NOT apply this product directly to freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs, ditches and wetlands), estuaries or marine habitats. **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 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.

Buffer zones:

The buffer zones specified in the table below are required between the point of direct application and the closest downwind edge of sensitive aquatic habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs, wetlands and estuarine/marine habitats).

Method of Application	Crop	Buffer Zones (metres) Required for the Protection of Aquatic Habitat of Depths:		
		Less than 1 m	1 -3 m	Greater than 3 m
Field sprayer	sugarbeet	2	1	0

Rotation restrictions:

Treated areas may be replanted with any crop specified on the PROLINE 480 SC Foliar Fungicide label as soon as practical after the last application. For crops not listed on the PROLINE 480 SC Foliar Fungicide label, do not plant back within 30 days of last application.

Section 8: Resistance Management

Resistance Management:

For resistance management, please note that **PROLINE 480 SC Foliar Fungicide** contains a Group 3 fungicide. Any fungal population may contain individuals naturally resistant to PROLINE 480 SC Foliar Fungicide and other Group 3 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:

- Alternate with fungicides having a different mode of action other than Group 3 every 7 to 10 days after each application of **PROLINE 480 SC Foliar Fungicide**.
- Do not apply more than the indicated maximum number of applications per year specified for each crop in the DIRECTIONS FOR USE, Section 7 table.
- Fungicide use should be based on an integrated pest management (IPM) program that includes scouting, historical information related to pesticide use and crop rotation and considers cultural, biological, and other chemical control practices.
- Monitor efficacy of all fungicides used in the disease management program against the target pathogen and record other factors that may influence fungicide performance and/or disease development.
- 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 and to report suspected resistance, contact a Bayer CropScience representative at 1-888-283-6847 or at bayercropscience.ca.

Section 9: Application Precautions

GROUND APPLICATION:

1. Use well-maintained and calibrated conventional spray equipment, which provides adequate and uniform coverage.
2. Apply PROLINE 480 SC Foliar Fungicide using spray volumes specified in the DIRECTIONS FOR USE, Section 7 table.
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 buffer zones that are greater than the buffer zones indicated in the DIRECTIONS FOR USE, Section 7, should be respected.
7. If spray mixture remains in the tank overnight, or for long periods during the day, agitate thoroughly prior to application.

Section 10: Mixing Instructions

Mixing Instructions:

PROLINE 480 SC Foliar Fungicide must be applied with properly calibrated, clean equipment. Prior to adding PROLINE 480 SC Foliar Fungicide to the spray tank, ensure that the spray tank is thoroughly clean.

PROLINE 480 SC Foliar 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 **PROLINE 480 SC Foliar Fungicide** to the water and complete filling with water to the required total volume.
- Maintain agitation throughout mixing and spraying.
- PROLINE 480 SC Foliar Fungicide should be thoroughly dispersed prior to the addition of a non-ionic surfactant. PROLINE 480 SC Foliar Fungicide is recommended to be used with a registered non-ionic surfactant, such as Agral 90 or AgSurf, at 0.125% vol/vol.

Section 11: Pre-harvest Intervals

Crop	PHI
sugar beet	7

Section 12: Notices

NOTICE TO USER:

This 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.

For more information contact:

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