

2025-4929
2025-11-19

Container

GROUP	7	FUNGICIDE
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**SPHAEREX® XTRA
FUNGICIDE**

For use in Crop Group 15 Cereal Grains

SUSPENSION

COMMERCIAL

ACTIVE INGREDIENT: Fluxapyroxad 300 g/L

Contains 1,2-benzisothiazolin-3-one at 0.007% and 2-methyl-4-isothiazolin-3-one at 0.007%, as preservatives

OR

Contains 1,2-benzisothiazolin-3-one and 2-methyl-4-isothiazolin-3-one, each at 0.0075%, and 2-bromo-2-nitropropane-1,3-diol at 0.024%, as preservatives

OR

Contains 1,2-benzisothiazolin-3-one at 0.0400%, 2-methyl-4-isothiazolin-3-one at 0.0004%, 2-bromo-2-nitropropane-1,3-diol at 0.024%, and 5-chloro-2-methyl-4-isothiazolin-3-one at 0.0011%, as preservatives

Warning, contains the allergen soy

REGISTRATION NO. 35724 PEST CONTROL PRODUCTS ACT

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

READ THE LABEL AND ATTACHED BOOKLET BEFORE USING

KEEP OUT OF REACH OF CHILDREN

NET CONTENTS: 0.01 L - Bulk

BASF Agricultural Solutions Canada Inc.
510 - 28 Quarry Park Blvd. SE
Calgary, Alberta T2C 5P9
1-877-371-2273

SPHAEREX is a registered trade-mark of BASF SE, used under license by BASF Agricultural Solutions Canada Inc.

PRECAUTIONS

1. **KEEP OUT OF REACH OF CHILDREN.**
2. **DO NOT** take internally. Harmful if swallowed.
3. Avoid contact with skin and clothing.
4. Wash exposed areas of skin thoroughly after handling and before eating, drinking or smoking.
5. **DO NOT** re-enter treated area for 12 hours after application.
6. Wear long-sleeved shirt, long pants, chemical resistant gloves, socks and footwear during mixing, loading, application, clean-up and repair. Wear goggles or a face shield during mixing/loading.
7. If clothing becomes contaminated, remove and wash separately from household laundry before reuse.
8. Clean spray equipment thoroughly after use.
9. **DO NOT** contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.
10. 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.

FIRST AID

If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control centre or doctor for treatment advice.

If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control centre or doctor for treatment advice.

If swallowed: Call a poison control centre or doctor immediately for treatment advice. 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 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

This product contains petroleum distillates. Vomiting may cause aspiration pneumonia.

ENVIRONMENTAL PRECAUTIONS

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

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

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.

DISPOSAL

For Recyclable Containers

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.

For Returnable Containers

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

For Refillable Containers

For disposal, this container may be returned to the point of purchase (distributor/dealer). It must be refilled by the distributor/dealer with the same product. DO NOT reuse this container for any other purpose.

For Non-Returnable containers

1. Triple or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Follow provincial or territorial instructions for any required additional cleaning of the container prior to its disposal.
3. Make the empty rinsed container unsuitable for further use.
4. Dispose of the container in accordance with provincial or territorial requirements.

For bulk container refilling:

1. The container is to be refilled by the distributor/dealer only with **SPHAEREX XTRA**. DO NOT reuse this container for any other purpose.
2. Reseal and return to an authorized Bulk Site.
3. Prior to refilling, inspect thoroughly for damage such as cracks, punctures, bulges, dents, abrasions and damaged or worn threads on closure devices.
4. Check for leaks after refilling and before transportation.
5. DO NOT refill or transport damaged or leaking containers.
6. If the container is not being refilled, return to the point of purchase (distributor/dealer) for disposal.

For information on the 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.

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Booklet

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GENERAL INFORMATION

This package contains **SPHAEREX XTRA**, a broad-spectrum fungicide. The active ingredient in **SPHAEREX XTRA** belongs to the carboxamide (SDHI) group of fungicides.

SPHAEREX XTRA inhibits spores germination, mycelial growth and sporulation of the fungus on the leaf surface. Optimum disease control is achieved when **SPHAEREX XTRA** is applied preventatively in a regularly scheduled spray program and is used in a rotation program with other fungicides.

DIRECTIONS FOR USE

All labelled Crops

Apply recommended rates of **SPHAEREX XTRA** as instructed in the following application rate table. Apply **SPHAEREX XTRA** with spray equipment as specified. Equipment should be checked frequently for proper calibration.

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.

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 BASF Agricultural Solutions Canada Inc. ("BASF") at 1-877-371-2273 for information before mixing any pesticide that is not specifically recommended on this label.

Not all varieties and cultivars have been tested with possible tank mix combinations. Local conditions can also influence crop tolerance and may not match those under which BASF has conducted testing. Physical incompatibility, reduced disease control, or crop injury may result from mixing **SPHAEREX XTRA** with other products. Therefore, before using any tank mix (fungicides, insecticides, herbicides, liquid fertilizers, biological control products, adjuvants, and additives), test the combination on a small portion of the crop to be treated to ensure that a phytotoxic response will not occur as a result of application. Consult a BASF representative for more information concerning additives.

Tank Mix Compatibility Determination

To determine compatibility, mix all components of the finished spray in proportionate quantities in a small jar. Add components to the test jar in the following order: wettable powders and water dispersible granules, liquid flowables and suspensions, emulsifiable concentrate formulations, and solutions. If the mixture does not ball-up or form flakes, sludge, jelly, oily films or layers, or other precipitates within 2

hours after mixing and can easily be resuspended with agitation, then the tested spray-mix is compatible. Always follow the most restrictive label regarding any precautions when tank mixing.

Crop Group 15 Cereal Grains Application Rate Table (Ground and Aerial Application)

Crop	Disease Controlled	Application Rate (L/ha)
Barley	Net blotch (<i>Pyrenophora teres</i>) Spot blotch (<i>Cochliobolus sativus</i>) Scald (<i>Rhynchosporium secalis</i>)	0.127 – 0.167
	Stripe rust (<i>Puccinia striiformis</i>)	0.167
Rye	Leaf rust (<i>Puccinia recondita</i>)	0.127 – 0.167
	Powdery mildew (<i>Erysiphe graminis</i>)	0.167
Wheat (all types) Triticale	Septoria leaf blotch (<i>Septoria tritici</i> or <i>S. nodorum</i>) Leaf rust (<i>Puccinia recondita</i>) Spot blotch (<i>Cochliobolus sativus</i>)	0.127 – 0.167
	Tan spot (<i>Pyrenophora tritici-repentis</i>) Stripe rust (<i>Puccinia striiformis</i>) Powdery mildew (<i>Erysiphe graminis</i>)	0.167
To maximize yield in cereal grains it is important to protect leaves from disease. Therefore the optimum time to apply a single application of SPHAEREX XTRA is when conditions are favourable for disease development. Use the higher rate and shorter interval when disease pressure is high. Apply a second time 10-14 days later if disease persists or weather conditions are favourable for disease development. The use of a non-ionic surfactant (0.125 % v/v) is recommended		

Crop-Specific Restrictions and Limitations

Crop	Minimum Time from Application to Harvest (PHI) (days)	Maximum Product Rate per Ha per Application (Litres)	Maximum Number of Applications per Season	Maximum Product Rate per Ha per Season (Litres)
Barley Rye Wheat (all types) Triticale	21	0.167	2	0.334

Ground application

Apply **SPHAEREX XTRA** at specified rates listed in the Cereals Application Rate Table when conditions are favourable for the development of disease. Use a minimum water volume of 100 L/ha and ensure thorough coverage of foliage. Consult nozzle manufacturers recommendation for spray pressures for specific nozzles.

Aerial application

Apply **SPHAEREX XTRA** at specified rates listed in the Cereals Application Rate Table when conditions are favourable for the development of disease. Use a minimum water volume of 50 L/ha. Ensure thorough coverage of foliage. Consult nozzle manufacturers recommendation for spray pressures for specific nozzles.

Instructions for Aerial Applications

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 specified for aerial application on this label. Ensure uniform application. To avoid streaked, uneven or overlapped application, use appropriate marking devices or a Global Positioning System (GPS).

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

Do not allow the pilot to mix chemicals to be loaded onto the aircraft. Loading of premixed chemicals with a closed system is permitted. It is desirable that the pilot have communication capabilities at each treatment site at the time of application. 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. All personnel on the job site must wash hands and face thoroughly before eating and drinking. 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 1-877-371-2273 or obtain technical advice from the distributor or your provincial or territorial agricultural representative.

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 sprays finer than the American Society of Agricultural and Biological Engineers (ASABE) 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 sprays finer than the American Society of Agricultural and Biological Engineers (ASABE) medium classification. Reduce drift caused by turbulent wingtip vortices. Nozzle distribution along the spray boom length **MUST NOT** exceed 65% of the wing- or rotor span.

Spray Buffer Zones

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

Method of application	Crop/Site		Spray Buffer Zones (metres) Required for the Protection of:		
			Freshwater Habitat of Depths:		Terrestrial Habitat
			Less than 1 m	Greater than 1 m	
Field sprayer	Barley Rye Wheat Triticale	(all types)	1	0	0
Aerial	Barley Rye	Fixed wing	1	0	0
	Wheat (all types) Triticale	Rotary wing	1	0	0

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

ENVIRONMENTAL PRECAUTIONS

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

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

RESISTANCE-MANAGEMENT RECOMMENDATIONS

For resistance management, please note that **SPHAEREX XTRA** contains a Group 7 fungicide. Any fungal population may contain individuals naturally resistant to **SPHAEREX XTRA** and other Group 7 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:

- Where possible, rotate the use of **SPHAEREX XTRA** or other Group 7 fungicides with different groups that control the same pathogens. Avoid application of consecutive sprays of **SPHAEREX XTRA** or other fungicides in the same group in a season. **DO NOT** exceed the total number of applications of **SPHAEREX XTRA** per season as stated in the Crop-Specific Restrictions and Limitations.
- 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 BASF if reduced sensitivity of the pathogen to **SPHAEREX XTRA** 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 and to report suspected resistance, contact BASF representatives at 1-877-371-2273 or at www.agsolutions.ca.

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 **SPHAEREX XTRA** to the tank.

4. Add the required amount of the tank mix partner.
5. Add the recommended amount of adjuvant
6. Continue agitation while filling the remainder of the spray tank.
7. After use, clean the spray tank according to PRECAUTIONS.

RESTRICTIONS AND LIMITATIONS

1. All crops on this label can be grazed or fed to livestock. For livestock feeding and grazing, observe the minimum preharvest intervals specified for each crop under the Crop-Specific Restrictions and Limitations section on this label. Do not harvest cereals for forage or hay within 7 days of the last application.
2. Crop Rotation Restrictions: Tuberous and corm vegetables, sugar beets, legume vegetables, fruiting vegetables, pome fruits, stone fruits, cereals, oilseeds and peanuts may be planted immediately following the last application. A plant-back interval of one year is required for all other crops.
3. **DO NOT** use in greenhouses.

PRECAUTIONS

1. **KEEP OUT OF REACH OF CHILDREN.**
2. **DO NOT** take internally. Harmful if swallowed.
3. Avoid contact with skin and clothing.
4. Wash exposed areas of skin thoroughly after handling and before eating, drinking or smoking.
5. **DO NOT** re-enter treated area for 12 hours after application.
6. Wear long-sleeved shirt, long pants, chemical resistant gloves, socks and footwear during mixing, loading, application, clean-up and repair. Wear goggles or a face shield during mixing/loading.
7. If clothing becomes contaminated, remove and wash separately from household laundry before reuse.
8. Clean spray equipment thoroughly after use.
9. **DO NOT** contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

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

FIRST AID

If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control centre or doctor for treatment advice.

If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control centre or doctor for treatment advice.

If swallowed: Call a poison control centre or doctor immediately for treatment advice. 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 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

This product contains petroleum distillates. Vomiting may cause aspiration pneumonia.

STORAGE

Store this product away from food or feed.

DISPOSAL

For Recyclable Containers

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.

For Returnable Containers

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

For Refillable Containers

For disposal, this container may be returned to the point of purchase (distributor/dealer). It must be refilled by the distributor/dealer with the same product. DO NOT reuse this container for any other purpose.

For Non-Returnable Containers

1. Triple or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Follow provincial or territorial instructions for any required additional cleaning of the container prior to its disposal.
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For bulk container refilling:

1. The container is to be refilled by the distributor/dealer only with **SPHAEREX XTRA**. DO NOT reuse this container for any other purpose.
 2. Reseal and return to an authorized Bulk Site.
 3. Prior to refilling, inspect thoroughly for damage such as cracks, punctures, bulges, dents, abrasions and damaged or worn threads on closure devices.
 4. Check for leaks after refilling and before transportation.
 5. DO NOT refill or transport damaged or leaking containers.
 6. If the container is not being refilled, return to the point of purchase (distributor/dealer) for disposal.

For information on the 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

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