

2024-6576  
2025-05-01

Container Label

GROUP

7

FUNGICIDE

### **XEMIUM® 325 FUNGICIDE SEED TREATMENT**

For control of various diseases on soybean and rapeseeds (Crop Subgroup 20A)

#### **COMMERCIAL (AGRICULTURAL)**

**ACTIVE INGREDIENT:** Fluxapyroxad 325.5 g/L FS

Contains 1,2-benzisothiazolin-3-one at 0.005% and 2-methyl-4-isothiazolin-3-one at 0.005%, as preservatives

#### **OR**

Contains 1,2-benzisothiazolin-3-one at 0.0088%, 2-methyl-4-isothiazolin-3-one at 0.0092%, 2-bromo-2-nitropropane-1,3-diol at 0.024% and 5-chloro-2-methyl-4-isothiazolin-3-one at 0.0011%, 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 0.0240%, and 5-chloro-2-methyl-4-isothiazolin-3-one at 0.0011%, as preservatives

Warning, contains the allergen soy

#### **SUSPENSION**

**REGISTRATION NO. 30564**

**PEST CONTROL PRODUCTS ACT**

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

**This product contains no colourant. An appropriate colourant must be added when this product is applied. Regulations pertaining to the “Seeds Act” must be strictly adhered to when using this product.**

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

**KEEP OUT OF REACH OF CHILDREN**

**NET CONTENTS: 20 L – Bulk**

**For commercial seed treatment only (i.e., facilities and mobile treaters with closed transfer, including closed mixing, loading, calibrating, and closed treatment equipment only). No on-farm seed treatment is permitted.**

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

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

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## 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, treatment, calibrating, bagging, sewing, stacking, clean-up and repair, wear coveralls over a long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes. Baggers, sewers, stackers and others must wear a long-sleeved shirt and long pants, chemical-resistant gloves, shoes and socks.
6. If clothing becomes contaminated, remove and wash separately from household laundry before reuse.
7. Clean equipment thoroughly after use.
8. Apply only in a way that this product will not contact workers or other persons, either directly or through drift. Only workers wearing the personal protective equipment listed above may be in the area where treating, bagging, sewing and/or stacking is occurring.

## 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.

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## **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.

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### **For Returnable Containers**

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### **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**

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For information on the 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**

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Booklet

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## GENERAL INFORMATION

**Xemium 325 Fungicide Seed Treatment** is a broad spectrum fungicide that provides preventive seed and seedling protection against seed- and soil-borne pathogens including *Rhizoctonia solani* and *Fusarium solani* in soybean and *Fusarium avenaceum* and *Rhizoctonia solani* in rapeseeds (Crop Subgroup 20A). Make all applications according to the use directions in this label.

## APPLICATION INSTRUCTIONS

**Xemium 325 Fungicide Seed Treatment** can only be used in closed transfer commercial treatment facilities or by mobile treaters using closed transfer equipment. Closed transfer includes closed mixing, loading, calibrating and closed treatment equipment.

Apply **Xemium 325 Fungicide Seed Treatment** as a water-based mixture using standard slurry or mist-type seed treatment application equipment. The exact amount of water needed to provide the mixture or slurry rate (mL/100 kg of seed) for optimum coverage is difficult to predict since weather conditions, hot or cold, seed type and surface and equipment used all have a bearing on coverage. Consult a seed treatment specialist regarding slurry rates recommended for the crop seed to be treated with **Xemium 325 Fungicide Seed Treatment**. The required amount of **Xemium 325 Fungicide Seed Treatment** should then be diluted with the recommended amount of water that will provide uniform and complete coverage on the seed surface. Uniform application on seed and complete seed coverage are necessary for seed safety and best disease protection. Seed should be sound and well cleaned prior to treatment.

The purchaser of **Xemium 325 Fungicide Seed Treatment** is responsible for ensuring that all seed treated with this product are adequately dyed with a suitable color to prevent its accidental use as food for man or feed for animals.

## DIRECTIONS FOR USE

Apply recommended rates of **Xemium 325 Fungicide Seed Treatment** with seed treatment equipment as specified. Equipment should be checked frequently for proper calibration.

### Soybean Application Rate Table

Crop	Target Disease	Product use rate in mL/100 kg seed (g ai/100 kg seed)
Soybean	Control of seed rot and seedling blight caused by <i>Rhizoctonia solani</i>	15 – 30 (5 – 10)
	Control of seed rot and seedling blight caused by <i>Fusarium solani</i>	15 – 30 (5 – 10)

For control of additional diseases in soybean **Xemium 325 Fungicide Seed Treatment** may be mixed with the following products:

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- Apron XL LS
- Allegiance FL

### Rapeseeds (Crop Subgroup 20A): Application Rate Table

Crop	Target Disease	Product use rate in mL/100 kg seed (g ai/100 kg seed)
Rapeseeds (Crop Subgroup 20A)*	Control of seed rot / pre-emergent damping-off, seedling blight and root rot ( <i>Fusarium avenaceum</i> and <i>Rhizoctonia solani</i> )	30 – 60 (10 – 20)

\*Borage, crambe, cuphea , echium, flax seed, gold of pleasure, hare's ear mustard, lesquerella, lunaria, meadowfoam, milkweed, mustard seed, oil radish, poppy seed, rapeseed, sesame, sweet rocket, cultivars and/or hybrids of these.

Use the lower rate under normal field conditions. Use the higher rate if: (a) there is a history of high disease pressures in the field; OR (b) where field conditions favour seed and soil-borne pathogens.

### TANK MIXES

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 applying any tank mix that is not specifically recommended on this label.

### USE RESTRICTIONS

- Do not use treated seed for food, feed or oil processing.
- Do not store **Xemium 325 Fungicide Seed Treatment** near feed or foodstuffs.
- Do not contaminate feed or foodstuffs.

Any seed treated with this product must be either thoroughly stained with a conspicuous color or coated with a material that renders it conspicuous. **Xemium 325 Fungicide Seed Treatment** is sold only to individuals who can comply with these requirements. Regulations pertaining to the coloration of treated seed enforced under the "Seeds Act" must be strictly adhered to when using this product.

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## SEED LABELLING

ALL CONTAINERS OR PACKAGES CONTAINING TREATED SEED FOR SALE OR USE IN CANADA MUST BE LABELLED OR TAGGED AS FOLLOWS:

KEEP OUT OF REACH OF CHILDREN AND ANIMALS.

This seed has been treated with **Xemium 325 Fungicide Seed Treatment** containing fluxapyroxad. Wear a long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes when handling and planting treated seed. Gloves are not required within a closed-cab tractor. DO NOT use for food, feed or oil processing.

Thoroughly clean auger after handling treated seed before using same auger for handling commercial or feed grains.

Leftover treated seed should not be stored where there is a chance of it becoming mixed with untreated seed.

Store treated seed in cool, dry conditions.

Toxic to birds. Any spilled or exposed seeds must be incorporated into the soil or otherwise cleaned up from the soil surface.

## RESISTANCE-MANAGEMENT RECOMMENDATIONS

For resistance management, please note that **Xemium 325 Fungicide Seed Treatment** contains a Group 7 fungicide. Any fungal population may contain individuals naturally resistant to **Xemium 325 Fungicide Seed Treatment** 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 locations. 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 **Xemium 325 Fungicide Seed Treatment** or other Group 7 fungicides with different groups that control the same pathogens.
- Use tank mixtures with fungicide from a different group that are 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.
- Monitor treated fungal populations for resistance development. Notify BASF if reduced sensitivity of the pathogen to **Xemium 325 Fungicide Seed Treatment** is suspected.

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- If disease continues to progress after treatment with this product, do not increase the use rate in subsequent plantings. 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 at 1-877-371-2273.

## **ENVIRONMENTAL PRECAUTIONS**

Toxic to birds. Any spilled or exposed seeds must be incorporated into the soil or otherwise cleaned up from the soil surface.

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.

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