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GROUP	7	FUNGICIDE
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XEMIUM® 333 FUNGICIDE SEED TREATMENT

For use in soybean

COMMERCIAL (AGRICULTURAL)

GUARANTEE: Fluxapyroxad 333 g/L FS

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

Warning, contains the allergen soy

SUSPENSION

REGISTRATION NO. 30563

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 BEFORE USING

KEEP OUT OF REACH OF CHILDREN

NET CONTENTS: 20 L – Bulk

**No open transfer is permitted for commercial seed treatment of soybean.
No on-farm seed treatment is permitted for soybean.**

BASF Canada Inc.
5025 Creekbank Road
Building A, 2nd Floor
Mississauga, Ontario L4W 0B6

1-877-371-2273

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GENERAL INFORMATION

Xemium 333 Fungicide Seed Treatment is a broad spectrum fungicide that provides preventive seed and seedling protection against seed- and soil-borne pathogens including *Rhizoctonia* in Soybean. Make all applications according to the use directions in this label.

APPLICATION INSTRUCTIONS

Xemium 333 Fungicide Seed Treatment can be used in closed transfer commercial treatment facilities only. Closed transfer includes closed mixing, loading, calibrating and closed treatment equipment.

Apply **Xemium 333 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 333 Fungicide Seed Treatment**. The required amount of **Xemium 333 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 333 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 333 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 333 Fungicide Seed Treatment** may be mixed with the following products:

- Apron XL LS

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- Allegiance FL / Apron FL

Consult each product label for registered use rates and follow all label use instructions. Read the label directions for each product and follow the most restrictive label precautions and limitations.

USE RESTRICTIONS

- Do not use treated seed for food, feed or oil processing.
- Do not store **Xemium 333 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 333 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.

SEED LABELLING

TREATED SEED MUST BE LABELLED AS FOLLOWS:

"This seed has been treated with **Xemium 333 Fungicide Seed Treatment** containing fluxapyroxad. Wear a long-sleeved shirt, long pants and chemical-resistant gloves when handling treated seed. 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.

RESISTANCE-MANAGEMENT RECOMMENDATIONS

For resistance management, please note that **Xemium 333 Fungicide Seed Treatment** contains a Group 7 fungicide. Any fungal population may contain individuals naturally resistant to **Xemium 333 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:

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- Where possible, rotate the use of **Xemium 333 Fungicide Seed Treatment** or other Group 7 fungicides with different groups that control the same pathogens.
- Fungicide use should be based on an IPM program that includes scouting, historical information related to pesticide use and cover crop and considers cultural, biological and other chemical control practices.
- Monitor efficacy of all fungicides used in the disease management program against the targeted pathogen and record other factors that may influence fungicide performance and/or disease development.
- If **Xemium 333 Fungicide Seed Treatment** appears to be less or no longer effective against a pathogen that it previously controlled or suppressed, contact a BASF-representative, local extension specialist, or certified crop advisor to assist in determining the cause of reduced performance.

For further information, contact BASF Canada Inc. at 1-877-371-2273.

ENVIRONMENTAL HAZARDS

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.

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. Treaters and cleaners must wear coveralls over a long-sleeved shirt and long pants, chemical-resistant gloves, shoes and socks. 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.

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8. 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 web site at www.croplife.ca.

FIRST AID

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 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

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

STORAGE

To prevent contamination, 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 requirements.

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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

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

For information on the 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 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. The user assumes the risk to persons or property that arises from any such use of this product.