

Container

GROUP	11	FUNGICIDE
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STAMINA® CORN
Fungicide Seed Treatment

SUSPENSION CONCENTRATE

For seed treatment use in corn (all types)

COMMERCIAL (AGRICULTURAL)

ACTIVE INGREDIENT: Pyraclostrobin 200 g/L

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

OR

Contains 1,2-benzisothiazolin-3-one and 2-methyl-4-isothiazolin-3-one, each at 0.0088% and 2-bromo-2-nitropropane-1,3-diol at 0.024%, as preservatives

OR

Contains 1,2-benzisothiazolin-3-one at 0.019%, 2-methyl-4-isothiazolin-3-one at 0.0088% and 2-bromo-2-nitropropane-1,3-diol at 0.024%, 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

REGISTRATION NO. 31381

PEST CONTROL PRODUCTS ACT



CAUTION

POISON

SKIN IRRITANT

READ THE LABEL AND ATTACHED BROCHURE BEFORE USING

KEEP OUT OF REACH OF CHILDREN

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

NET CONTENTS: 0.1 L – 1000 L

BASF Canada Inc.
5025 Creebank Road
Building A, 2nd Floor
Mississauga, Ontario L4W 0B6
1-877-371-2273

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

PRECAUTIONS

1. **KEEP OUT OF REACH OF CHILDREN.**
2. DO NOT contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.
3. Harmful if swallowed. Do not take internally.
4. May irritate the skin. Avoid contact with eyes, skin and clothing.
5. Wash thoroughly after handling and before eating, drinking or smoking.
6. During mixing, loading, calibrating, application, bagging/stacking, cleaning/repairing treatment equipment and when handling treated seeds workers must wear long-sleeved shirt and long pants, coveralls, chemical-resistant gloves made of any waterproof material (such as nitrile, butyl, neoprene and/or barrier laminate) and shoes plus socks. When planting treated seeds, workers must wear long-sleeved shirt and long pants, chemical-resistant gloves made of any waterproof material (such as nitrile, butyl, neoprene and/or barrier laminate) and shoes plus socks.
7. If clothing becomes contaminated, remove and wash separately from household laundry before reuse.
8. Clean equipment thoroughly after use.
9. When planting corn seeds, a closed cab planter is required at all times. All workers outside the closed cab must wear long-sleeved shirt and long pants, coveralls, chemical-resistant gloves made of any waterproof material (such as nitrile, butyl, neoprene and/or barrier laminate), shoes plus socks and a respirator with a NIOSH/MSHA/BHSE approved organic-vapour-removing cartridge with a pre-filter approved for pesticides OR a NIOSH/MSHA/BHSE approved canister approved for pesticides.
10. For use in commercial seeds treatment facilities with closed transfer including closed mixing, loading, calibrating, and closed treatment equipment only. Use of an open transfer system is allowed when treating seeds on-farm only.

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

The patient should be treated symptomatically.

STORAGE

1. Store in original tightly closed container. Protect from freezing.
2. Store this product away from food and feed.
3. Store in cool, dry, locked, well-ventilated area without floor drain.

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.

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 clean-up of spills.

For Returnable-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 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 clean-up of spills.

For Non-Returnable containers

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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.

STAMINA® CORN
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GENERAL INFORMATION

STAMINA® CORN is a broad spectrum fungicide that provides preventative seed and seedling protection against the seed- and soil-borne pathogens including *Rhizoctonia* in corn. Make all applications according to the use directions in this label. Use the high rate of **STAMINA CORN** when disease pressure is expected to be high.

APPLICATION INSTRUCTIONS

STAMINA CORN can be used by commercial treatment facilities.

PRECAUTIONS

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4. May irritate the skin. Avoid contact with eyes, skin and clothing.
5. Wash thoroughly after handling and before eating, drinking or smoking.
6. During mixing, loading, calibrating, application, bagging/stacking, cleaning/repairing treatment equipment and when handling treated seeds workers must wear long-sleeved shirt and long pants, coveralls, chemical-resistant gloves made of any waterproof material (such as nitrile, butyl, neoprene and/or barrier laminate) and shoes plus socks. When planting treated seeds, workers must wear long-sleeved shirt and long pants, chemical-resistant gloves made of any waterproof material (such as nitrile, butyl, neoprene and/or barrier laminate) and shoes plus socks.
7. If clothing becomes contaminated, remove and wash separately from household laundry before reuse.
8. Clean equipment thoroughly after use.
9. When planting corn seeds, a closed cab planter is required at all times. All workers outside the closed cab must wear long-sleeved shirt and long pants, coveralls, chemical-resistant gloves made of any waterproof material (such as nitrile, butyl, neoprene and/or barrier laminate), shoes plus socks and a respirator with a NIOSH/MSHA/BHSE approved organic-vapour-removing cartridge with a pre-filter approved for pesticides OR a NIOSH/MSHA/BHSE approved canister approved for pesticides.
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TOXICOLOGICAL INFORMATION

The patient should be treated symptomatically.

STORAGE

1. Store in original tightly closed container. Protect from freezing.
2. Store this product away from food and feed.
3. Store in cool, dry, locked, well-ventilated area without floor drain.

DISPOSAL

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For Returnable-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 regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills

NOTICE TO USER

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DIRECTIONS FOR USE

Apply **STAMINA CORN** 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 **STAMINA CORN**. The required amount of **STAMINA CORN** 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 **STAMINA CORN** 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.

CORN

Crop	Target Disease	Product use rate in mL/100 kg seed (kg ai/100 kg seed)
Corn (Field, pop, sweet, corn for seed production)	Control of seed rot caused by <i>Rhizoctonia solani</i>	25 – 50 (0.005 – 0.01) Use the high rate when disease pressure is expected to be high.
For control of additional diseases in corn, STAMINA CORN may be mixed with the following products: <ul style="list-style-type: none">• Apron XL LS Fungicide• Allegiance FL• Maxim 480 FS Colourless Seed Treatment		

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 Canada 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 **STAMINA CORN** near feed or foodstuffs.
- Do not contaminate feed or foodstuffs.
- **DO NOT** contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

Any seed treated with this product must be either thoroughly stained with a conspicuous colour or coated with a material that renders it conspicuous. **STAMINA CORN** 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 **STAMINA CORN** containing pyraclostrobin. 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.

When planting treated seeds, workers must wear long-sleeved shirt and long pants, chemical-resistant gloves made of any waterproof material (such as nitrile, butyl, neoprene and/or barrier laminate) and shoes plus socks.

When planting corn seeds, a closed cab planter is required at all times. All workers outside the closed cab must wear long-sleeved shirt and long pants, coveralls, chemical-resistant gloves made of any waterproof material (such as nitrile, butyl, neoprene and/or barrier laminate), shoes plus socks and a respirator with a NIOSH/MSHA/BHSE approved organic-vapour-removing cartridge with a pre-filter approved for pesticides OR a NIOSH/MSHA/BHSE approved canister approved for pesticides.

RESISTANCE-MANAGEMENT RECOMMENDATIONS

Mode of Action

The active ingredient in **STAMINA CORN**, pyraclostrobin, belongs to the group of respiration inhibitors classified by FRAC as **Quinone Outside Inhibitors (QoI)** or **Target Site of Action Group 11** fungicides. Due to the minimal amounts of **STAMINA CORN** applied to the seed that relocate to the upper parts of the plant, the potential for development of resistance is low.

Resistance Management

STAMINA CORN contains pyraclostrobin, a Group 11 fungicide, and is effective against pathogens resistant to fungicides with modes of action different from those of QoI fungicides (Target site Group 11), such as for example dicarboximides, sterol inhibitors, benzimidazoles, or phenylamides. Fungal isolates with acquired resistance to Group 11 fungicides, such as pyraclostrobin, azoxystrobin, trifloxystrobin, and kresoxim-methyl, may eventually dominate the fungal population if Group 11 fungicides are used predominantly and repeatedly in the same field in successive years as the primary method of control for the targeted pathogen species. This may result in reduction of disease control by **STAMINA CORN** or other Group 11 fungicides.

The following recommendations may be considered to delay the development of fungicide resistance:

1. **Applications:** Adhere to the label instructions regarding the consecutive use of **STAMINA CORN** or other target site of action Group 11 fungicides that have a similar site of action on the same pathogens. To maintain the performance of **STAMINA CORN** in the field, do not exceed the total number of sequential applications of Headline and the total number of applications of **STAMINA CORN** per season as stated below in the Restrictions and Limitations table.
2. **IPM:** **STAMINA CORN** should be integrated into an overall disease and pest management program. Cultural practices known to reduce disease development should be followed. Consult your local extension specialist, certified crop advisor and/or BASF for additional IPM strategies established for your area. **STAMINA CORN** may be used in Agricultural Extension

advisory (disease forecasting) programs, which recommend application timing based on environmental factors favourable for disease development.

3. **Monitor:** 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.
4. **Reporting:** If a Group 11 target site fungicide, such as **STAMINA CORN**, appears to be less or no longer effective against a pathogen that it previously controlled or suppressed, contact a BASF-representative at 1-877-371-2273 or at www.agsolutions.ca, local extension specialist, or certified crop advisor to assist in determining the cause of reduced performance.