

GROUP	<b>11</b>	FUNGICIDE
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**ACCELERON® D-109**  
**Fungicide Seed Treatment**

**SUSPENSION CONCENTRATE**

For seed treatment use in soybeans  
COMMERCIAL (AGRICULTURAL)

**GUARANTEE:** 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 % , 5-chloro-2-methyl-4-isothiazolin-3-one at 0.0011% as preservatives

Warning, contains the allergen soy

**REGISTRATION NO.** 30989

**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,  
1-800-334-7577**

**NET CONTENTS:** 0.1 L – 1000 L

Packaged for:

Bayer CropScience Inc.

Suite 200, 160 Quarry Park Blvd SE

Calgary, AB T2C 3G3

1-888-283-6847

[www.cropscience.bayer.ca](http://www.cropscience.bayer.ca)

Acceleron® is a registered trademark of Bayer CropScience Inc., Bayer Group.

## 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 soybean 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.
11. 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](http://www.croplife.ca).

## 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. To prevent contamination, store this product away from food or 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.

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

**ACCELERON® D-109**  
**Fungicide Seed Treatment**

**SUSPENSION CONCENTRATE**

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**COMMERCIAL (AGRICULTURAL)**

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## GENERAL INFORMATION

In soybeans, **Acceleron® D-109 Fungicide Seed Treatment** protects against diseases caused by seed- and soil-borne *Fusarium* and *Rhizoctonia*. Make all applications according to the use directions in this label. Use the high rate of **Acceleron® D-109 Fungicide Seed Treatment** when disease pressure is expected to be high.

## APPLICATION INSTRUCTIONS

**Acceleron® D-109 Fungicide Seed Treatment** can be used by commercial treatment facilities and for use in on-farm standard gravity flow or mist type treatment machines. **Acceleron® D-109 Fungicide Seed Treatment** can also be used in “On the Go” air seeder treatments systems

## PRECAUTIONS

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7. If clothing becomes contaminated, remove and wash separately from household laundry before reuse.
8. Clean equipment thoroughly after use.
9. When planting soybean 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.
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3. Store in cool, dry, locked, well-ventilated area without floor drain.

## **DISPOSAL**

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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**

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**

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### **DIRECTIONS FOR USE**

Apply **Acceleron® D-109 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 **Acceleron® D-109 Fungicide Seed Treatment**. The required amount of **Acceleron® D-109 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 **Acceleron® D-109 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.

## SOYBEAN

Crop	Target Disease	Pathogen	Product use rate in mL/100 kg seed (kg ai/100 kg seed)
Soybean	Control of seed rot (pre-emergence damping-off), and seedling blight  Suppression of root rot	<i>Fusarium</i> spp. and <i>Rhizoctonia solani</i>	25 - 50 (0.005 - 0.01)  Use the high rate when disease pressure is expected to be high.
<p>For control of additional diseases (i.e. <i>Pythium</i> spp.) in soybean, <b>Acceleron® D-109 Fungicide Seed Treatment</b> may be mixed with the following products:</p> <ul style="list-style-type: none"> <li>• Apron XL LS Fungicides</li> <li>• Allegiance FL Fungicides</li> </ul> <p>Please read and follow all label guidelines (including precautions, limitations, rates and directions for use) for all mix partners.</p>			

## USE RESTRICTIONS

- Do not use treated seed for food, feed or oil processing.
- Do not store **Acceleron® D-109 Fungicide Seed Treatment** 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. **Acceleron® D-109 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 **Acceleron® D-109 Fungicide Seed Treatment** 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 soybean 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 **Acceleron® D-109 Fungicide Seed Treatment**, 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 **Acceleron® D-109 Fungicide Seed Treatment** applied to the seed that relocate to the upper parts of the plant, the potential for development of resistance is low.

### Resistance Management

**Acceleron® D-109 Fungicide Seed Treatment** 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 **Acceleron® D-109 Fungicide Seed Treatment** 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 **Acceleron® D-109 Fungicide Seed Treatment** 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 **Acceleron® D-109 Fungicide Seed Treatment** in the field, do not exceed the total number of sequential applications of Headline and the total number of applications of **Acceleron® D-109 Fungicide Seed Treatment** per season as stated below in the Restrictions and Limitations table.

2. **IPM: Acceleron® D-109 Fungicide Seed Treatment** 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 Bayer CropScience for additional IPM strategies established for your area. **Acceleron® D-109 Fungicide Seed Treatment** 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 **Acceleron® D-109 Fungicide Seed Treatment**, appears to be less or no longer effective against a pathogen that it previously controlled or suppressed, contact a Bayer representative at 1-888-283-6847 or at [www.agsolutions.ca](http://www.agsolutions.ca), local extension specialist, or certified crop advisor to assist in determining the cause of reduced performance.