

2024-2144,  
2024-07-03



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GROUP	4	FUNGICIDE
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## ACCELERON® D-309 Fungicide Seed Treatment

A seed treatment for control of seedling blight and seed rot caused by *Pythium* spp. on soybeans and corn (field and sweet).

SUSPENSION

COMMERCIAL

All seed treated with this product must be conspicuously coloured at the time of treatment.

ACTIVE INGREDIENT:

Metalaxyl.....310 g/L

Contains 1,2 benzisothiazolin-3-one at 0.029% and 5-chloro-2-methyl-4-isothiazolin-3-one at 0.0009% and 2-methyl-4-isothiazolin-3-one at 0.0003% as preservatives.

REGISTRATION No. 31067 PEST CONTROL PRODUCTS ACT

READ THE LABEL AND BOOKLET BEFORE USING

WARNING – SKIN AND EYE IRRITANT

NET CONTENTS: 1 L – 1000 L

Special Use Restrictions:

This product contains no colourant. An appropriate colourant must be added when this product is applied to seed. ACCELERON D-309 Fungicide Seed Treatment is sold only to commercial seed treaters who can comply with these requirements. Regulations pertaining to colouration of treated seed enforced under the *Seeds Act* must be strictly adhered when using this product.

Bayer CropScience Inc.  
Suite 200, 160 Quarry Park Blvd. S.E.  
Calgary, Alberta T2C 3G3

For product information, call: 1-888-283-6847

In case of spills, poisoning, fire or other emergencies,  
call: 1-800-334-7577 (24 hours a day)

PROTECT FROM FREEZING

ACCELERON D-309 Fungicide Seed Treatment is a systemic fungicide seed treatment for control of seed rot and seedling blight caused by *Pythium* spp. on soybeans and corn (field and sweet).

#### PRECAUTIONS:

1. KEEP OUT OF REACH OF CHILDREN.
2. Do not apply in a way that this product will contact workers or other persons, either directly or through drift. Only handlers (mixers, loaders and applicators) wearing personal protective equipment may be in the area being treated during application.
3. Wear coveralls over normal work clothing and chemical resistant gloves when handling ACCELERON D-309 Fungicide Seed Treatment, contaminated equipment or ACCELERON D-309 Fungicide Seed Treatment-treated seed. Do not use leather or cloth gloves.
4. Wear a suitable dust mask when bagging or sewing bags of treated seed or when transferring seed to a storage bin.
5. ACCELERON D-309 Fungicide Seed Treatment is an eye irritant. Protective eye wear should be worn at all times when handling this product.
6. Use good personal hygiene, washing hands and exposed skin before eating, drinking or smoking. No food, drink or tobacco should be allowed in areas of chemical storage or use.
7. May be harmful if swallowed or absorbed through skin. Wash exposed skin after use.
8. All bags containing treated seed for sale or use in Canada must be labelled or tagged as follows: "This seed has been treated with ACCELERON D-309 Fungicide Seed Treatment containing metalaxyl, a Group 4 Fungicide. Use chemical resistant gloves when handling treated seed. Do not use for feed, food or oil processing. Store away from feeds and foodstuffs."
9. If this pest control product is to be used on a commodity that may be exported and you require information regarding Maximum Residue Limits for an importing country, please contact Bayer CropScience Canada Inc. at 1-888-283-6847 or [www.cropscience.bayer.ca](http://www.cropscience.bayer.ca).

#### ENVIRONMENTAL PRECAUTIONS:

1. Do not apply this product directly to freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs, ditches and wetlands), estuaries or marine habitats.
2. Do not contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

#### 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 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 the eye. Call a poison control centre or doctor IMMEDIATELY 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 IMMEDIATELY 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 mouth-to-mouth if possible. 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. Treat symptomatically.

**STORAGE:**

Store product in original container only, away from other pesticides, fertilizer, food or feed. Keep container closed. Do not store ACCELERON D-309 Fungicide Seed Treatment in direct sunlight. Do not store ACCELERON D-309 Fungicide Seed Treatment above 35°C or below 0°C.

**DISPOSAL:**

**FOR NON-RETURNABLE CONTAINERS:**

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

**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 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 RETURNABLE CONTAINERS:**

Do not reuse this container for any purpose. For disposal, this empty 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 use this container for any other purpose.

**TRIPLE RINSE INSTRUCTIONS (FOR RECYCLABLE AND DISPOSABLE CONTAINERS ONLY):** This container should be triple-rinsed prior to its disposal. The rinsings can be added to the seed treatment provided the volume of water does not exceed the quantity indicated in the Application Rate table under the Directions For Use. Follow these steps for rinsing of containers.

1. Transfer ACCELERON D-309 Fungicide Seed Treatment from the container to the seed treating equipment applicator tank.
2. Add 1/3 of the rinse water to the container and agitate the contents.
3. Transfer the rinsings to the applicator tank.
4. Rinse as above 2 more times. Add additional water as required to obtain desired Total Volume.
5. Thoroughly mix the ACCELERON D-309 Fungicide Seed Treatment and rinse water in the applicator tank prior to use.

**DISPOSAL OF UNUSED, UNWANTED PRODUCT:**

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.

**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 a control product in a way that is inconsistent with the directions on the label.



\*booklet\*

GROUP	4	FUNGICIDE
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## **ACCELERON® D-309** **Fungicide Seed Treatment**

A seed treatment for control of seedling blight and seed rot caused by *Pythium* spp. on soybeans and corn (field and sweet).

SUSPENSION

COMMERCIAL

All seed treated with this product must be conspicuously coloured at the time of treatment.

**ACTIVE INGREDIENT:**

Metalaxyl.....310 g/L

Contains 1,2-benzisothiazolin-3-one at 0.029% and 5-chloro-2-methyl-4-isothiazolin-3-one at 0.0009% and 2-methyl-4-isothiazolin-3-one at 0.0003% as preservatives.

REGISTRATION No. 31067 PEST CONTROL PRODUCTS ACT

READ THE LABEL AND BOOKLET BEFORE USING

WARNING – SKIN AND EYE IRRITANT

NET CONTENTS: 1L - 1000 L

**Special Use Restrictions:**

This product contains no colourant. An appropriate colourant must be added when this product is applied to seed. ACCELERON D-309 Fungicide Seed Treatment is sold only to commercial seed treaters who can comply with these requirements. Regulations pertaining to colouration of treated seed enforced under the *Seeds Act* must be strictly adhered when using this product.

Bayer CropScience Inc.  
Suite 200, 160 Quarry Park Blvd. S.E.  
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PROTECT FROM FREEZING

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## GENERAL INFORMATION

### Section 1: The Product

ACCELERON D-309 Fungicide Seed Treatment is a systemic fungicide seed treatment for control of seed rot and seedling blight caused by *Pythium* spp. on soybeans and corn.

## SAFETY AND HANDLING

### Section 2: Precautions, Protective Clothing and Equipment

#### PRECAUTIONS:

1. KEEP OUT OF REACH OF CHILDREN.
2. Do not apply in a way that this product will contact workers or other persons, either directly or through drift. Only handlers (mixers, loaders and applicators) wearing personal protective equipment may be in the area being treated during application.
3. Wear coveralls over normal work clothing and chemical resistant gloves when handling ACCELERON D-309 Fungicide Seed Treatment, contaminated equipment or ACCELERON D-309 Fungicide Seed Treatment-treated seed. Do not use leather or cloth gloves.
4. Wear a suitable dust mask when bagging or sewing bags of treated seed or when transferring seed to a storage bin.
5. ACCELERON D-309 Fungicide Seed Treatment is an eye irritant. Protective eye wear should be worn at all times when handling this product.
6. Use good personal hygiene, washing hands and exposed skin before eating, drinking or smoking. No food, drink or tobacco should be allowed in areas of chemical storage or use.
7. May be harmful if swallowed or absorbed through skin. Wash exposed skin after use.
8. All bags containing treated seed for sale or use in Canada must be labelled or tagged as follows: "This seed has been treated with ACCELERON D-309 FUNGICIDE SEED TREATMENT containing metalaxyl. Use chemical-resistant gloves when handling treated seed. Do not use for feed, food or oil processing. Store away from feeds and foodstuffs."
9. If this pest control product is to be used on a commodity that may be exported and you require information regarding Maximum Residue Limits for an importing country, please contact Bayer CropScience Canada Inc. at 1-888-283-6847 or [www.cropscience.bayer.ca](http://www.cropscience.bayer.ca).

### Section 3: First Aid and Toxicological Information

#### 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 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 the eye. Call a poison control centre or doctor IMMEDIATELY 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 IMMEDIATELY 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 mouth-to-mouth if possible. 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. Treat symptomatically.

### Section 4: Storage

Store product in original container only, away from other pesticides, fertilizer, food or feed. Keep container closed. Do not store ACCELERON D-309 Fungicide Seed Treatment in direct sunlight. Do not store ACCELERON D-309 Fungicide Seed Treatment above 35°C or below 0°C.

### Section 5: Disposal

#### FOR NON-RETURNABLE CONTAINERS:

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

#### 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:

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**FOR RETURNABLE CONTAINERS:**

Do not reuse this container for any purpose. For disposal, this empty 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 use this container for any other purpose.

**TRIPLE RINSE INSTRUCTIONS (FOR RECYCLABLE AND DISPOSABLE CONTAINERS ONLY):** This container should be triple-rinsed prior to its disposal. The rinsings can be added to the seed treatment provided the volume of water does not exceed the quantity indicated in the Application Rate table under the Directions For Use. Follow these steps for rinsing of containers.

1. Transfer ACCELERON D-309 Fungicide Seed Treatment from the container to the seed treating equipment applicator tank.
2. Add 1/3 of the rinse water to the container and agitate the contents.
3. Transfer the rinsings to the applicator tank.
4. Rinse as above 2 more times. Add additional water as required to obtain desired Total Volume.
5. Thoroughly mix the ACCELERON D-309 Fungicide Seed Treatment and rinse water in the applicator tank prior to use.

**DISPOSAL OF UNUSED, UNWANTED PRODUCT:**

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.

Section 6: Notices
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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 a control product in a way that is inconsistent with the directions on the label.

## DIRECTIONS FOR USE

### Section 7: Pests Controlled

ACCELERON D-309 Fungicide Seed Treatment is a systemic fungicide seed treatment for control of seed rot and seedling blight caused by *Pythium* spp. on a number of different crops including:

CROP	DISEASE CONTROLLED
soybean	seed rot and seedling blight, early season <i>Phytophthora</i>
corn (field and sweet)	Seed rot and seedling blight

### Section 8: Recommended Uses

ACCELERON D-309 Fungicide Seed Treatment should be mixed with water to form a slurry seed treatment. Use the high application rate to treat seed which is of poor quality or when planting into cold and wet soils is anticipated. Mix ACCELERON D-309 Fungicide Seed Treatment with water as follows:

APPLICATION RATE TABLE (mL per 100 kg seed)

CROP	ACCELERON D-309 Fungicide Seed Treatment	Water	Total Vol.
soybeans	46-93 mL	454-407 mL	500 mL
Corn* (field and sweet)	46-110 mL	454-390 mL	500 mL

\* Acceleron D-309 Fungicide Seed Treatment may also be used on corn at reduced rates when used in combination with a mixture of PTZ 480SC Seed Treatment Fungicide (or Acceleron D-342 Fungicide Seed Treatment) and Fluoxastrobin ST (or Acceleron D-281 Seed Treatment Fungicide) as follows:

CROP	Application Rate and Instructions
Corn (field)	To aid in the control of seed rot caused by <i>Pythium</i> spp., apply Acceleron D-309 Fungicide Seed Treatment at a rate of 6.5 – 24.5 mL per 100 kg seed. Apply this application rate in combination with both PTZ 480SC Seed Treatment Fungicide (or Acceleron D-342 Fungicide Seed Treatment) and Fluoxastrobin ST (or Acceleron D-281 Seed Treatment Fungicide). Use the higher rate of Acceleron D-309 Fungicide Seed Treatment when disease pressure is anticipated to be high.

The slurry should be applied as a spray into the mixing chamber of the seed treating equipment to ensure good coverage. See instructions supplied with the applicable seed treater system for information on proper application techniques.

#### 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 [or](#) the registered tank mix partner label.

**Commented [JP1]:** Proposed label amendment to align with the registered Master Product label, Allegiance FL, Reg. No. 26674.

In some cases, tank mixing pest control products can result in reduced pesticide efficacy or increased host crop injury. The user should contact Bayer CropScience Inc. at 1-888-283-6847 or [www.cropscience.bayer.ca](http://www.cropscience.bayer.ca) for information before applying any tank mix that is not specifically recommended on this label.

Bayer CropScience Inc. has not fully assessed performance (efficacy) and/or crop tolerance (phytotoxicity) of all potential tank mixes under all environmental conditions or for all crop varieties. Conduct a germination test on a small portion of seed before committing the total seed lot to tank mixes that are not specifically listed on this label.

To determine the physical compatibility of this product with other products, use a jar test.

#### SLURRY PREPARATION:

When preparing the slurry the following procedure should be used.

- 1) Partially fill the mixing tank with water.
- 2) Add the required quantity of ACCELERON D-309 Fungicide Seed Treatment onto the water surface.
- 3) When using a tank mix partner, add the required volume of the tank mix partner to the tank.
- 4) Allow product to disperse and then switch on agitation.
- 5) Top up with extra water to required volume and maintain agitation during use.
- 6) Add colourant last.

NOTE: A suitable seed colourant such as Pro-Ized® Liquid Seed Colorant must be added to the slurry prior to application on the seed. Follow instructions on the colourant package for mixing with the ACCELERON D-309 Fungicide Seed Treatment slurry.

ACCELERON D-309 Fungicide Seed Treatment treated seed may reduce seed flow in the seed drill. Recalibration of the seed drill may be required to obtain correct seeding rate before planting.

### Section 9: Application Cautions

**Seed Quality:** Treatment of highly mechanically damaged seed, or seed of known low vigour and poor quality may result in reduced germination and/or reduction of seed and seedling vigour. If seed lot quality is unknown, conduct a germination test on a small portion of seed before

committing the total seed lot to a selected chemical treatment. Due to seed quality conditions beyond the control of Bayer CropScience, no claims are made to guarantee germination of carry-over seed.

## Section 10: Use Limitations

### USE RESTRICTIONS:

1. Treated seed must not be used for food, feed or oil processing.
2. Do not graze or feed livestock on treated areas for four weeks after planting.
3. Treated seed may be toxic to birds and other wildlife. Clean up any spilled seed. Ensure that treated seed is properly incorporated at planting.
4. Treated seed must be labelled as follows: "This seed has been treated with ACCELERON D-309 Fungicide Seed Treatment seed protectant fungicide containing metalaxyl, a Group 4 Fungicide. Use chemical resistant gloves when handling treated seed. Do not use for feed, food or oil processing."
5. Do not apply this product directly to freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs, ditches and wetlands), estuaries or marine habitats.
6. Do not contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

## Section 11: Resistance Management Recommendations

For resistance management, note that ACCELERON D-309 Fungicide Seed Treatment contains a Group 4 fungicide. Any fungal population may contain individuals naturally resistant to ACCELERON D-309 Fungicide Seed Treatment and other Group 4 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 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 ACCELERON D-309 Fungicide Seed Treatment or other Group 4 fungicides with different groups that control the same pathogens.
- Use tank mixtures with fungicides from a different group that is effective on the target population 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 Bayer CropScience Inc. if reduced sensitivity of the pathogen to ACCELERON D-309 Fungicide Seed Treatment 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 target site of action.
- 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 Bayer CropScience representatives at 1-888-283-6847 or at [www.cropscience.bayer.ca](http://www.cropscience.bayer.ca).