

2023-6514
2025-02-27



container

GROUP	3, 4, 11	FUNGICIDES
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ACCELERON[®] PRIME

Fungicide Seed Treatment

A seed treatment for control or suppression of seed, seedling and soil-borne diseases on soybeans.

SUSPENSION

COMMERCIAL

ACTIVE INGREDIENTS: Metalaxyl 100 g/L
Fluoxastrobin 50 g/L
Prothioconazole 50 g/L

Contains 1,2-benzisothiazolin-3-one at 0.035% 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. 35424 PEST CONTROL PRODUCTS ACT

READ THE LABEL AND BROCHURE BEFORE USING

NET CONTENTS: 0.25 L – 1000 L

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

For use with commercial seed treaters (facilities and mobile treaters) with closed transfer including closed mixing, loading, calibrating, and closed treatment equipment only. No open transfer of ACCELERON PRIME is permitted.

ACCELERON PRIME is a seed treatment product containing the fungicides fluoxastrobin, prothioconazole and metalaxyl. ACCELERON PRIME provides protection from seed, seedling and soil-borne diseases caused by *Rhizoctonia* spp., *Fusarium* spp., *Pythium* spp., *Phytophthora* spp., *Penicillium* spp. and *Phomopsis longicolla* on soybean.

PRECAUTIONS:

KEEP OUT OF REACH OF CHILDREN.

Harmful if swallowed or absorbed through skin. Avoid contact with skin, eyes, or clothing. 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.

Users should:

- Remove clothing/personal protective equipment (PPE) immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

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 may be in the area where treating, bagging, sewing and/or stacking is occurring. When handling ACCELERON PRIME or seed treated with ACCELERON PRIME, work in a well-ventilated area.

Refer to the booklet label for the Personal Protective Equipment (PPE) requirements and engineering control restrictions to be followed when using this product.

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.

ENVIRONMENTAL PRECAUTIONS:

Toxic to aquatic organisms. Toxic to birds.

This product demonstrates the properties and characteristics associated with chemicals detected in groundwater. The use of this product in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

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

STORAGE:

Store product in original container only. Store this product away from food or feed. Keep away from direct sunlight. Store in a cool, dry place and avoid excessive heat. Protect from freezing. Agitate prior to use.

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/territorial 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/territorial 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.
3. If there is no container collection site in your area, dispose of the container in accordance with provincial/territorial 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 reuse 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 PRIME 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 PRIME 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/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:

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

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Contains 1,2-benzisothiazolin-3-one at 0.035% and 5-chloro-2-methyl-4-isothiazolin-3-one at 0.0009% and 2-methyl-4-isothiazolin-3-one at 0.0003% as preservatives.

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GENERAL INFORMATION

Section 1: The Product

ACCELERON PRIME is a seed treatment product containing the fungicides fluoxastrobin, prothioconazole and metalaxyl. ACCELERON PRIME provides protection from seed, seedling and soil-borne diseases caused by *Rhizoctonia* spp., *Fusarium* spp., *Pythium* spp., *Phytophthora* spp., *Penicillium* spp. and *Phomopsis longicolla* on soybean.

SAFETY AND HANDLING

Section 2: Precautions, Protective Clothing and Equipment

PRECAUTIONS:

KEEP OUT OF REACH OF CHILDREN.

Harmful if swallowed or absorbed through skin. Avoid contact with skin, eyes, or clothing. 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.

Users should:

- Remove clothing/personal protective equipment (PPE) immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

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 may be in the area where treating, bagging, sewing and/or stacking is occurring. When handling ACCELERON PRIME or seed treated with ACCELERON PRIME, work in a well-ventilated area.

Personal Protective Equipment (PPE) and Engineering Controls:

Seed Types	Tasks	PPE/ Engineering Controls
For Commercial Seed Treatment (including mobile treaters)		
Soybean	Mixing, loading, treating and calibrating	Closed transfer system only. Closed transfer includes closed mixing, loading, calibrating, and closed treatment equipment. No open transfer is permitted. Wear coveralls over a long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes.
	Cleaning, maintaining, repairing, bagging,	Wear coveralls over a long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes, and a NIOSH-approved N95

Seed Types	Tasks	PPE/ Engineering Controls
	sewing bags of treated seed and stacking.	(minimum) filtering facepiece respirator (dust mask) that is properly fit tested.
For Planting and Handling Commercially Treated Seeds		
Soybean	Handling and planting	Wear a long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes. Use a closed-cab tractor when planting. Gloves are not required within the closed cab.

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.

Section 3: First Aid and Toxicological Information

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.

Section 4: Environmental Precautions

Toxic to aquatic organisms. Toxic to birds.

This product demonstrates the properties and characteristics associated with chemicals detected in groundwater. The use of this product in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

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

Section 5: Storage

Store product in original container only. Store this product away from food or feed. Keep away from direct sunlight. Store in a cool, dry place and avoid excessive heat. Protect from freezing. Agitate prior to use.

Section 6: 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/territorial 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/territorial 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.
3. If there is no container collection site in your area, dispose of the container in accordance with provincial/territorial 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 reuse 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 PRIME 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 PRIME 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/territorial regulatory agency. Contact the manufacturer and the provincial/territorial regulatory agency in case of a spill, and for clean-up of spills.

Section 7: Notices

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

DO NOT contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

Section 8: Pests Controlled

ACCELERON PRIME is a seed treatment product containing the fungicides fluoxastrobin, prothioconazole and metalaxyl. ACCELERON PRIME provides protection from seed, seedling and soil-borne diseases on soybean.

Section 9: Recommended Uses

CROP	DISEASE CONTROLLED OR SUPPRESSED	APPLICATION RATE
Soybean	Control of: Seed rots and seedling blights caused by <i>Pythium</i> spp. Early season <i>Phytophthora</i> spp.* Seed rot and pre-emergence damping-off caused by soil-borne <i>Rhizoctonia</i> spp.* Root rot caused by soil-borne <i>Fusarium</i> spp.* Seed rot / pre-emergence damping-off and post emergence damping-off caused by soil-borne <i>Fusarium</i> spp. Seed rot and pre-emergence damping-off caused by seedborne <i>Phomopsis longicolla</i> Suppression of: Seed infection caused by <i>Penicillium</i> spp.	100 – 150 mL / 100 kg seed **
<p>* use the higher rate for 1) control of early season <i>Phytophthora</i> infection, or 2) improved control of root rot caused by soil-borne <i>Fusarium</i> spp. or seed rot / pre-emergence damping off caused by soil-borne <i>Rhizoctonia</i> spp. when heavy disease pressure is anticipated such as in heavy clay fields or fields with a history of <i>Fusarium</i> disease, or for use on sensitive cultivars.</p> <p>** Based on an average of 6,600 soybean seeds per kg, the 100 mL/100 kg application rate of ACCELERON PRIME will deliver 0.008 mg prothioconazole + 0.008 mg fluoxastrobin + 0.015 mg metalaxyl per seed, and the 150 mL/100 kg application rate will deliver 0.011 mg prothioconazole + 0.011 mg fluoxastrobin + 0.023 mg metalaxyl per seed.</p>		

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 and 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 Bayer CropScience Inc. at 1-888-283-6847 or 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.

Section 10: Application Instructions

ACCELERON PRIME is for use only in commercial seed treatment operations (including mobile treaters) with conventional seed treating equipment, which can accurately control application rates and provide good distribution of the chemical onto the seed in the mixing chamber. Not for use in hopper box, slurry-box or similar seed treatment applications.

This product is recommended to be diluted with water or another suitable liquid just prior to application to ensure uniform coverage to the seed during the application process. Uniform application to seed is necessary to ensure best disease protection and seed safety. Allow seeds to dry before bagging, storing or seeding.

When applied with seed treatment application equipment designed to treat seed utilizing a treatment slurry mixture, add approximately 1/2 to 2/3 of the required water to the treatment slurry tank followed by the accompanying seed treatment products and ACCELERON PRIME. The order of product addition is dependent on the accompanying seed treatment products and application equipment used. Allow each slurry component to disperse completely prior to the next addition until a uniform suspension is obtained. After all slurry components have been added and dispersed completely add the remaining 1/2 to 1/3 of required water for proper slurry volume and mix until uniform. Do not store mixed slurries for greater than 72 hours. Always recirculate or mix thoroughly before using. Maintain adequate agitation until treatment slurry is applied. For additional instructions for use, slurry component mixing order, and other application suggestions contact your Bayer CropScience representative.

SEED QUALITY: Lab and field studies have shown that ACCELERON PRIME -treated seed can be stored without loss in germination or disease performance. Many seed types are prone to mechanical damage during seed handling, and a reduction in germination within a seed lot can occur should handling cause seed damage irrespective of seed treatment application.

ACCELERON PRIME -treated or untreated seed may drop in germination with age and

germination drops are accelerated under adverse storage conditions or in seed with a high level of mechanical damage. Use handling equipment designed to minimize mechanical damage when moving seed. Due to seed quality and seed storage conditions beyond the control of Bayer CropScience, no claims are made to guarantee the germination of carry-over seed or propagating materials for all crop seed. Treatment of highly mechanically scarred or damaged seed, or seed known to be of low vigour and poor quality, may result in reduced germination and/or reduction of seed and seedling vigour. Treat a small quantity of seed using equipment similar to that planned for treating the total seed lot. Conduct germination tests on a small portion of seed before committing the total seed lot to a selected seed treatment.

COLOURATION OF TREATED SEED: This product contains colourant. Seed treated with this product must be conspicuously coloured. Regulations pertaining to the Seeds Act must be strictly adhered to when using this product.

Section 11: Use Limitations

USE RESTRICTIONS:

- Treated seed must not be used for food, feed or oil processing.
- DO NOT graze or feed livestock on treated areas for four weeks after planting.

LABELLING OF TREATED SEED:

All containers and packages containing treated seed for sale or use in Canada must be labeled or tagged as follows:

- This seed was treated with a product containing the active ingredients fluoxastrobin, metalaxyl and prothioconazole.
- Do not use treated seed for feed, food or oil processing.
- Store away from feeds and other foodstuffs.
- Wear a long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes when handling and planting treated seeds. A closed cab tractor is required when planting treated seeds. Gloves are not required within a closed-cab tractor.
- Dispose of all excess treated seed. Left over treated seed may be double-sown around the headland or buried away from water sources in accordance with local requirements.
- Dispose of seed packaging in accordance with local requirements.
- Any spilled or exposed seeds must be incorporated into the soil or otherwise cleaned-up from the soil surface.

Section 12: Resistance Management Recommendations

For resistance management, note that ACCELERON PRIME contains Group 3, 4 and 11 fungicides. Any fungal population may contain individuals naturally resistant to ACCELERON PRIME and other Group 3, 4, and 11 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 PRIME or other Group 3, 4 and 11 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 PRIME 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.