



Trilex AL

Seed Treatment Fungicide

GROUP	11	4	FUNGICIDE
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Trilex AL Seed Treatment Fungicide provides seed and seedling protection from seed and soil-borne diseases caused by *Rhizoctonia solani*, *Fusarium* spp., *Pythium* spp., *Ascochyta* spp., *Botrytis cinerea* and *Phomopsis longicolla* on labeled crops.

SUSPENSION

AGRICULTURAL

GUARANTEE: trifloxystrobin..... 13.5 g/L
metalaxyl..... 10.8 g/L

REGISTRATION NO. 29160 PEST CONTROL PRODUCTS ACT

READ THE LABEL AND ATTACHED BOOKLET BEFORE USING

PROTECT FROM FREEZING

NET CONTENTS: 0.946L, 1L, 10L, 100L, 200L, 1000L

Bayer CropScience Inc.
#100-3131 – 114 Avenue S.E.
Calgary, AB T2Z 3X2

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)

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GENERAL INFORMATION

Section 1: The Product

Trilex AL Seed Treatment Fungicide is a ready-to-use seed treatment formulation containing the fungicides trifloxystrobin and metalaxyl. Trilex AL Seed Treatment Fungicide provides seed and seedling protection from certain seed and soil-borne diseases caused by *Rhizoctonia solani*, *Fusarium* spp., *Pythium* spp., *Ascochyta* spp., *Botrytis cinerea* and *Phomopsis longicolla* on labeled crops.

SAFETY AND HANDLING

Section 2: Precautions, Protective Clothing and Equipment

PRECAUTIONS:

- KEEP OUT OF REACH OF CHILDREN.
- Workers must wear long pants, a long-sleeved shirt and chemical-resistant gloves during mixing, loading, treating, clean-up, maintenance of seed treatment equipment, bagging, sewing or stacking of bagged treated seed. In addition, workers must wear a suitable dust mask when bagging or sewing bags of treated seed or when transferring seed to a storage bin.
- Use good personal hygiene, washing hands and exposed skin with warm water and soap before eating, drinking, or smoking. No food, drink or tobacco should be allowed in areas of chemical storage or use.
- 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 the acceptable residue levels in the U.S., visit CropLife Canada's website at: www.croplife.ca.
- 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.
- Wear long-sleeved shirt, long pants and chemical-resistant gloves when handling treated seed.
- All bags containing treated seed for sale or use in Canada must be labeled or tagged as follows: "This seed has been treated with Trilex AL Seed Treatment Fungicide containing trifloxystrobin and metalaxyl. Use chemical-resistant gloves when handling treated seed. DO NOT use for feed, food or oil processing. Store away from feeds and other foodstuffs."

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 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:

There is no specific antidote if this product is ingested. Treat symptomatically. This product contains petroleum distillates. Vomiting may cause aspiration pneumonia.

Section 4: Environmental Precautions and Information

ENVIRONMENTAL HAZARDS:

- TOXIC to aquatic organisms. DO NOT discharge effluent containing this product into sewer systems, lakes, streams, ponds, estuaries, oceans or other waters.
- 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.
- Residues of this product demonstrate the properties and characteristics associated with chemicals detected in groundwater. The use of this product may result in contamination of groundwater particularly in areas where soils are permeable (e.g., sandy soil) and/or depth to the water table is shallow.

Section 5: Storage

Store product in original container only, away from other pesticides, fertilizer, food or feed. Store in a cool, dry place and avoid excessive heat. Keep container closed. Do not contaminate water, food, or feed by storage, disposal, or by cleaning of equipment.

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 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 spray mixture in the tank.
2. Make the empty 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 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 rinsate can be added to the seed treatment. Follow these steps for rinsing of containers:

1. Transfer Trilex AL Seed Treatment Fungicide 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 rinsate to the applicator tank.
4. Rinse as above 2 more times.
5. Thoroughly mix the Trilex AL Seed Treatment Fungicide and rinse water in the applicator tank prior to use.

CAUTION: Be sure to adjust the undiluted application rate by the same volume of water added to compensate for the dilution of the product caused by the addition of rinsate.

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 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 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.

DIRECTIONS FOR USE

Do not apply this product or treated seeds directly to freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs, ditches and wetlands), estuaries or marine habitats.

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

Section 8: Pests Controlled

Trilex AL Seed Treatment Fungicide is a seed treatment formulation containing the fungicides trifloxystrobin and metalaxyl. Trilex AL Seed Treatment Fungicide provides seed and seedling protection from seed and soil-borne diseases caused by *Rhizoctonia solani*, *Fusarium* spp., *Pythium* spp., *Ascochyta* spp., *Botrytis cinerea* and *Phomopsis longicolla* on labeled crops.

Section 9: Recommended Uses

Trilex AL Seed Treatment Fungicide is a ready-to-use formulation designed for commercial or on-farm treating with conventional seed treating equipment.

CROP	PEST	APPLICATION RATE	DIRECTIONS
Bean (succulent, snap and dry): Includes field bean, kidney bean, lima bean, navy bean, pinto bean, runner bean, snap bean, tepary bean, wax bean, and other coloured beans	Seed decay / pre-emergence damping-off and post-emergence damping-off caused by <i>Rhizoctonia solani</i> , <i>Fusarium</i> spp., and <i>Pythium</i> spp.	Apply 370 mL of Trilex AL Seed Treatment Fungicide per 100 kg of seed	Trilex AL Seed treatment Fungicide is a ready-to-use formulation designed for commercial or on-farm treating with conventional seed treating equipment which can accurately control application rates and provide a good distribution of the chemical onto the seed in the mixing chamber.
Chickpea Pea (dry and field): Includes dwarf pea, edible-pod pea, English pea, field pea, garden pea, green pea, snow pea, sugar snap pea	Seed decay / pre-emergence damping-off and post-emergence damping-off caused by <i>Rhizoctonia solani</i> , <i>Fusarium</i> spp., and <i>Pythium</i> spp. Suppression of seed-borne Ascochyta blight caused by <i>Ascochyta</i> spp.		Uniform application on seed is necessary to ensure seed safety and best disease protection.
Lentil	Seed decay / pre-emergence damping-off and post-emergence damping-off caused by <i>Rhizoctonia solani</i> , <i>Fusarium</i> spp., and <i>Pythium</i> spp. Seed rot / pre-emergence damping-off, post-emergence damping-off and seedling blight caused by <i>Botrytis cinerea</i> (seed-borne) Suppression of seed-borne Ascochyta blight caused by <i>Ascochyta</i> spp.		
Soybean	Seed decay / pre-emergence damping-off and post-emergence damping-off caused by <i>Rhizoctonia solani</i> , <i>Fusarium</i> spp., and <i>Pythium</i> spp. Seed decay / pre-emergence damping-off caused by <i>Phomopsis longicolla</i> .		

Section 10: Application Cautions

If Trilex AL Seed Treatment Fungicide is diluted with water by greater than 10% by volume, ensure agitation of the mixture prior to application to seed.

SEED TREATMENT AND INOCULANTS:

Trilex AL Seed Treatment Fungicide is compatible with *Rhizobium*-based inoculants. Please check with inoculant manufacturers for further details prior to use.

SEED QUALITY: Lab and field studies have shown that Trilex AL Seed Treatment Fungicide treated seed can be stored without loss in germination or disease performance. Many large-seed legumes 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. Trilex AL Seed Treatment Fungicide-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 a pigment which will colour the treated seed. However, users are responsible for ensuring that the treated seed, when dried and ready for bagging, storage or seeding, has an unnatural colour. If the pigment contained in the formulation does not colour the seed adequately, additional colourant must be added to the mixture while treating the seed. Regulations pertaining to colouration of treated seed enforced under 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.

ROTATIONAL CROP RESTRICTIONS: Canola, mustard, rapeseed, corn, legumes and cereal grains may be replanted at any time. For all other crops, do not plant back within 30 days of seeding with Trilex AL Seed Treatment Fungicide-treated seed.

Section 12: Resistance Management Recommendations

For resistance management, please note that Trilex AL Seed Treatment Fungicide contains a Group 11 and Group 4 fungicide. Any fungal population may contain individuals naturally resistant to Trilex AL Seed Treatment Fungicide and other Group 11 and 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 Trilex AL Seed Treatment Fungicide or other Group 11 and 4 fungicides with different groups that control the same pathogens.
- Use tank mixtures with fungicides from a different group when such use is permitted.
- Fungicide use should be based on an IPM program that includes scouting, historical information related to pesticide use and crop rotation and considers cultural, biological and other chemical control practices.
- Monitor fungal populations for resistance development.
- 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 or to report suspected resistance contact Bayer CropScience Inc at 1-888-283-6847 or at www.bayercropscience.ca.

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