

2023-0873
2023-11-06
(Container)



LumiTreo™ Fungicide Seed Treatment

GROUP	3, 11, 49	FUNGICIDES
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SUSPENSION

FOR SALE AND FOR USE ON SOYBEANS

A seed treatment product for protection against seedling disease complex (damping off, seedling blight, seed rot and root rot) caused by *Fusarium spp.*, *Rhizoctonia solani* and, *Phytophthora sojae* and seed rot caused by *Aspergillus spp.* and *Penicillium spp.* in soybeans.

READ THE LABEL AND ATTACHED BOOKLET BEFORE USING

COMMERCIAL- AGRICULTURAL

ACTIVE INGREDIENTS:

Ipconazole 76 g/L
Picoxystrobin 76 g/L
Oxathiapiprolin 230 g/L
Contains 1,2-benzisothiazolin-3-one at 0.019% as a preservative.

OR

Contains 5-chloro-2-methyl-4-isothiazolin-3-one at 0.0011% and 2-methyl-4-isothiazolin-3-one at 0.00037% as preservatives

REGISTRATION NO 34528 PEST CONTROL PRODUCTS ACT

NET CONTENTS: 1- 1500 L

This product contains no colourant. An appropriate colourant must be added when this product is applied. Regulations pertaining to the SEEDS ACT must be strictly adhered to when using this product. Seed must be conspicuously coloured at the time of treatment.

Commercial seed treatment (facilities and mobile treaters) with closed transfer, including closed mixing, loading, calibrating, and closed treatment equipment only is permitted. No open transfer is permitted for commercial seed treatment.

On-farm treatment with open transfer, including open mixing, loading calibrating, and open treatment equipment, is permitted

Corteva Agriscience Canada Company

2450, 215 – 2nd Street S.W.

Calgary, Alberta

T2P 1M4

1-800-667-3852

™Trademark of Corteva Agriscience and its affiliated companies.

PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN.

- **For commercial seed treatment:** Wear coveralls over a long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes during mixing, loading, applying, cleaning and repairing, and performing any other activities involving handling treated seed.
- **For on-farm seed treatment:** Wear a long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes during mixing, loading, treating, calibrating, cleaning and repairing.
- **For planting treated seed:** Wear a long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes during handling and planting treated seeds. Use a closed-cab tractor when planting commercially treated seed. Gloves are not required within a closed cab.
- Follow manufacturer's instructions for cleaning/maintaining personal protective equipment (PPE). If no such instructions for washables are available, use detergent and hot water. Keep and wash PPE separately from other laundry.
- Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Do not use treated seed for food, feed, or oil processing.
- Apply only in a way that this product will not contact workers or other persons, either directly or through drift. Only workers wearing personal protective equipment may be in the area where treating, bagging, sewing and/or stacking is occurring.

FIRST AID

Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

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.

TOXICOLOGICAL INFORMATION: Treat symptomatically.

ENVIRONMENTAL PRECAUTIONS

- Toxic to aquatic organisms.
- Toxic to birds and small wild mammals. Any spilled or exposed seeds must be incorporated into the soil or otherwise cleaned-up from the soil surface.
- 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.

ROTATIONAL CROP RESTRICTIONS

The following list of crops and crop groups may be planted immediately after harvest:

Canola, rapeseeds, mustards, corn, soybeans, alfalfa, cereal grains (wheat, oats, barley), low-growing berries crop subgroup (strawberries), brassica (cole) leafy vegetables crop group, bulb vegetables crop group (onion), cucurbit vegetables crop group (cucumber, melons, squash), fruiting vegetables crop group (tomato, pepper), leafy vegetables crop group (lettuce, celery, spinach), legume vegetables crop group (dried and succulent), peanuts, root vegetables crop subgroup (carrot, radish, turnip), sugarbeet, sunflower, tuberous and corm vegetables and leaves (potato).

All other crops cannot be planted until 12 months after planting seed treated with LumiTreo™.

LABELING OF TREATED SEED

All bags containing treated seed must be labelled or tagged as follows:

- This seed has been treated with LumiTreo which contains Oxathiapiprolin, Ipconazole, and Picoxystrobin.
- Do not use for feed, food or oil processing.
- Store away from feeds and other foodstuffs.
- Wear long-sleeved shirt, long pants, chemical-resistant gloves and shoes plus socks when handling treated seed. Use a closed-cab tractor when planting treated seed.
- Toxic to aquatic organisms.
- 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.
- Toxic to birds and small wild mammals. Any spilled or exposed seeds must be incorporated into the soil or otherwise cleaned-up from the soil surface.

STORAGE

Store this product away from food and feed. Store product in original container only, away from other pesticides and fertilizer. Not for use or storage in or around the home. Keep container closed.

DISPOSAL

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 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.

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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

1. After use, return the container to the point of purchase or designated locations.
2. This container must only be refilled with the same product at designated locations.
3. Do not reuse container for other purposes.
4. Prior to refilling, inspect thoroughly for damage.
5. Check for leaks after refilling and before transportation.
6. Do not refill or transport damaged or leaking containers.
7. If the container is not being refilled, return to the point of purchase.

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.

(Booklet)



LumiTreo™ Fungicide Seed Treatment

GROUP	3, 11, 49	FUNGICIDES
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All other crops cannot be planted until 12 months after planting seed treated with LumiTreo™.

LABELING OF TREATED SEED

All bags containing treated seed must be labelled or tagged as follows:

- This seed has been treated with LumiTreo which contains Oxathiapiprolin, Ipconazole, and Picoxystrobin.
- Do not use for feed, food or oil processing.
- Store away from feeds and other foodstuffs.
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7. If the container is not being refilled, return to the point of purchase.

GENERAL INFORMATION

LumiTreo is a flowable suspension that is applied as a seed treatment for early season protection of soybeans from seed and seedling diseases.

DIRECTIONS FOR USE

This product contains no colourant. An appropriate colourant must be added when this product is applied. Regulations pertaining to the SEEDS ACT must be strictly adhered to when using this product. Seed must be conspicuously coloured at the time of treatment.

LumiTreo is a fungicide seed treatment for use in commercial seed treatment facilities and mobile treaters with closed transfer only. On-farm seed treatment is permitted. Open transfer of LumiTreo is permitted for on-farm treatment only.

Apply only in areas with adequate ventilation or in areas that are equipped to remove mist or dust.

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

TANK MIXTURES

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 Corteva Agriscience Canada Company at 1-800-667-3852 or www.corteva.ca for information before applying any tank mix that is not specifically recommended on this label.

USE RATE

CROP	TARGET DISEASES (PATHOGEN)	USE RATE mL/140,000 seeds (mL/100 kg seed)	USE RATE mg ai/seed
Soybeans	Diseases controlled: Seed rot / pre-emergence damping-off and post emergence damping-off caused by <i>Rhizoctonia solani</i> , and <i>Fusarium</i> spp. Root rot and seedling blight caused by <i>Rhizoctonia solani</i> and <i>Fusarium</i> spp Phytophthora seed rot / pre-emergence damping-off and post emergence damping-off (<i>Phytophthora sojae</i>) Seed rot (<i>Penicillium</i> spp. and <i>Aspergillus</i> spp.) Seed rot (<i>Phomopsis longicolla</i>)	7.4 mL product/140,000 seeds (32.6 mL product/100 kg seed) *	0.020**

* Calculations are based on 140,000 seed unit = 22.7 kg (50 lb. unit) which equates to 6160 seeds/kg

** LumiTreo at 0.020 mg ai/seed rate delivers Ipconazole 0.004, Picoxystrobin 0.004, and Oxathiapiprolin 0.012 mg ai/seed.

Seed Storage

Field and laboratory tests have demonstrated that application of LumiTreo to soybean seed will not negatively affect germination. However, due to seed quality and seed storage conditions beyond the control of Corteva Agriscience Canada Company, no claims are made to guarantee the germination of carry-over seed.

Treatment of damaged seed, or seed known to be of low vigour and poor quality, may result in reduced germination and/or seed and seedling vigour. In cases where seed quality is unknown, treat a small portion of the seed with LumiTreo and confirm acceptable germination, prior to treating the entire seed lot.

MIXING INSTRUCTIONS

Dilute in a sufficient volume to obtain thorough, uniform coverage.

Polymers, colourants, and other additives should be tested for compatibility and seed safety prior to use in combination with LumiTreo.

RESISTANCE-MANAGEMENT RECOMMENDATIONS

For resistance management, please note that LumiTreo contains Group 3, 11 and 49 fungicides. Any fungal population may contain individuals naturally resistant to LumiTreo and other Group 3, 11 and 49 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 LumiTreo or other Group 3, 11 and 49 fungicides with different groups that control the same pathogens.
- Use tank mixtures with fungicides from a different group that is effective against the target pathogen 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 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 Corteva Agriscience Canada Company if reduced sensitivity of the pathogen to LumiTreo 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 site of action, if available.
- 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 Corteva Agriscience Canada Company representatives at 1-800-667-3852.

NOTICE TO USER

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