

2024-2443  
2024-06-27

\*Container Label\*

GROUP	4 12	FUNGICIDES
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# PROTÉGÉ SEED TREATMENT FUNGICIDE

COMMERCIAL (AGRICULTURAL)

SUSPENSION

A SEED TREATMENT PRODUCT FOR CONTROL OF CERTAIN SEED- AND SOIL-BORNE DISEASES  
IN LABELLED CROPS.

**ACTIVE INGREDIENTS:**

Fludioxonil ..... 0.73%  
Metalaxyl-M and S-isomer ..... 1.10%

Contains 1,2-benzisothiazolin-3-one at 0.02% as a preservative

**REGISTRATION NO: 35230** PEST CONTROL PRODUCTS ACT

**READ THE LABEL AND ATTACHED PAMPHLET BEFORE USING**

**KEEP OUT OF REACH OF CHILDREN AND ANIMALS**

**ALL SEED TREATED WITH THIS PRODUCT MUST BE CONSPICUOUSLY COLOURED**

**NET CONTENTS:** 10 L – 450 L

**For Hazardous Materials [or Dangerous Goods] Incident Spill, Leak, Fire, Exposure, or  
Accident Call CHEMTREC 1-800-424-9300 / +1 703-527-3887**

**NewAgco Inc.**  
320 – 22<sup>nd</sup> Street East  
Saskatoon, Saskatchewan  
Canada S7K 0H1  
1-844-269-3276

**Distributed by:**  
**AgraCity Crop & Nutrition Ltd.**  
320 – 22<sup>nd</sup> Street East  
Saskatoon, Saskatchewan  
Canada S7K 0H1  
1-844-269-3276

PROTÉGÉ™ is a trademark of AgraCity Crop & Nutrition Ltd. or its affiliates.

## 1.0 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.

## 2.0 FIRST AID

**IF POISONING IS SUSPECTED, IMMEDIATELY** contact a physician or a poison control centre. 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 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.

**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.

## 3.0 TOXICOLOGICAL INFORMATION

NOTE TO PHYSICIAN: There is no specific antidote for this product if ingested. If a large amount has been ingested and emesis is inadequate, lavage stomach. Treat symptomatically.

## 4.0 PRECAUTIONS

KEEP OUT OF THE REACH OF CHILDREN AND ANIMALS. Harmful if swallowed. Avoid contact with eyes or prolonged contact with skin. Avoid inhalation of vapours or spray mist. Wash hands and face after handling and before eating or smoking. 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 during application.

Do not contaminate food, feed or domestic water supplies.

If this pest control product is to be used on a commodity that may be exported to other countries in the world and you require information on acceptable residue levels in these countries, please contact AgraCity Crop & Nutrition Ltd. at 1-844-269-3276

## 5.0 PERSONAL PROTECTIVE EQUIPMENT (PPE)

**For On-Farm Use:** Wear a long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes during mixing, loading, treatment, clean-up and repair and when handling treated seed. In addition, wear a NIOSH-approved N95 (minimum) filtering facepiece respirator (dust mask) that is properly fit tested or appropriate respirator with a NIOSH-approved organic-vapour-removing cartridge with a prefilter approved for pesticides OR a NIOSH-approved canister approved for pesticides to minimize exposure to dust, including when transferring seed to a storage bin.

**For Commercial Seed Treatment (facilities and mobile treaters):** Wear coveralls over a long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes during mixing, loading, treatment, calibration, bagging, sewing, stacking, operating a forklift, clean-up and repair and when handling treated seed. In addition, wear a NIOSH-approved N95 (minimum) filtering facepiece respirator (dust mask) that is properly fit tested when bagging, sewing or stacking bags of treated seed or when transferring seed to a storage bin.

## 6.0 ENVIRONMENTAL PRECAUTIONS

TOXIC to aquatic organisms. DO NOT contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes. Toxic to birds. Any spilled or exposed seeds must be incorporated into the soil or otherwise cleaned-up from the soil surface.

## 7.0 USE RESTRICTIONS

1. Do not use treated seed for food, feed or oil purposes.
2. Do not plant any crop other than soybeans, beans (succulent and dry cultivars), chickpeas, lentils, lupins, faba beans and peas (succulent and dry cultivars, including field peas) within 30 days to fields in which treated seeds were planted.

## NOTE

All bags containing treated seed for sale or use in Canada must be labeled or tagged as follows: **“This seed has been treated with fludioxonil and metalaxyl-M fungicides. Do not use for food, feed or oil purposes. Store away from feeds and foodstuffs. Keep out of reach of children and animals. Wear a long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes when planting, handling treated seed and during clean up and repair. Gloves are not required during planting within a closed cab. Do not plant any crop other than soybeans, beans (succulent and dry cultivars), chickpeas, lentils, lupins, or faba beans and peas (succulent and dry cultivars, including field peas) within 30 days to fields in which treated seeds were planted. Do not contaminate food, feed or domestic water supplies. Toxic to aquatic organisms. Do not apply directly to aquatic habitats (such as lakes, rivers, sloughs, ponds, coulees, prairie potholes, creeks, marshes, streams, reservoirs and wetlands) and estuarine/marine habitats. DO NOT contaminate water by cleaning of equipment or disposal of wastes. Treated seed is TOXIC to small birds. Any spilled or exposed seeds must be incorporated into the soil or otherwise cleaned up from the soil or other surfaces.**

## 8.0 STORAGE

Store this product away from food or feed.

## 9.0 DISPOSAL

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.

### 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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**PAMPHLET**

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### **For Refillable Containers**

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### **10.0 PRODUCT INFORMATION**

**PROTÉGÉ SEED TREATMENT FUNGICIDE** is a ready-to-apply seed treatment which controls certain seed-borne and soil-borne diseases of soybeans, beans, chickpeas, lentils, and peas. The formulation contains a colouring agent that will colour the treated seed. Thorough seed coverage will offer the best protection of the seed from seed, soil borne, and seedling diseases.

**PROTÉGÉ SEED TREATMENT FUNGICIDE** is active against a wide range of plant diseases caused by *Fusarium* spp., *Rhizoctonia* spp., *Pythium* spp., *Phytophthora* spp., *Ascochyta* spp., *Aspergillus* spp., *Penicillium* spp. and seed-borne *Colletotrichum* spp. and *Botrytis* spp.

**Note:** Treatment of highly mechanically scarred or damaged seed, or seed known to be of low vigour and poor quality, except for the purpose of curative control of existing disease pests, 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 the seed before committing the total seed lot to a selected seed treatment. Due to seed quality and seed storage conditions beyond the control of AgraCity Crop & Nutrition Ltd., no claims are made to guarantee the germination of carry-over treated seed.

**Note:** Experience has shown that strains of fungus resistant to metalaxyl-M may develop. Failure to control the disease will result in crop damage and/or yield losses. Since the occurrence of the resistance cannot be foreseen, AgraCity Crop & Nutrition Ltd. accepts no responsibility for any loss of, or damage to, crops resulting from the failure of **PROTÉGÉ SEED TREATMENT FUNGICIDE** to control the resistant fungus strains. If disease appears in a treated field, consult the government extension specialist immediately.

## 11.0 DIRECTIONS FOR USE

### 11.1 General Information

As this product is not registered for the control of pests in aquatic systems, DO NOT use to control aquatic pests.

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

**PROTÉGÉ SEED TREATMENT FUNGICIDE** is a ready-to-apply seed treatment formulation for use by commercial seed treatment (facilities and mobile treaters) and for on-farm treatment using standard gravity flow or mist type seed treatment equipment that accurately meters, mixes and applies a flowable seed treatment. **PROTÉGÉ SEED TREATMENT FUNGICIDE** may also be used in treat-on-the-go air seeders. The equipment must provide uniform coverage of **PROTÉGÉ SEED TREATMENT FUNGICIDE** on the seed. Uneven seed coverage may not give the desired level of disease control. Allow the seed to dry before bagging, storing or seeding.

Seed treated with **PROTÉGÉ SEED TREATMENT FUNGICIDE**, or a combination of **PROTÉGÉ SEED TREATMENT FUNGICIDE** and seed inoculants may not flow through a seed drill at the same rate as untreated seed. Recalibrate the seed drill before planting treated seed. **Mixing with inoculants may increase drying time while treating extending the processing time.**

### 11.2 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 label.

In some cases, tank mixing pest control products can result in reduced pesticide efficacy or increased host crop injury. The user should contact AgraCity Crop & Nutrition Ltd. at 1-844-269-3276 for information before applying any tank mix that is not specifically recommended on this label.

When tank-mixes are permitted, read and observe all label directions, including rates and restrictions for each product used in the tank-mix. Follow the more stringent label precautionary measures for mixing, loading and applying stated on both product labels.

### 11.3 Seed Treatment and Inoculants

**PROTÉGÉ SEED TREATMENT FUNGICIDE** is compatible with Rhizobium based inoculants. Please check with inoculant manufacturers for details prior to use.

This product does not require the addition of water for application. Consult the manufacturer of the application equipment planned to be used for suitability for this application and for instructions on operation and calibration of the equipment.

Ideal storage temperature is above freezing and below 30 °C.

**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.**

### 12.0 CROP USE DIRECTIONS

For control of seed-borne and soil-borne diseases of soybeans, dry beans, chickpeas, lentils and dry peas (including field peas), apply 325 mL of **PROTÉGÉ SEED TREATMENT FUNGICIDE** per 100 kg of seed to the crops listed.

Crop	Diseases Controlled
<b>Soybeans<sup>1</sup></b>	Control of seed rot/pre-emergence damping-off, and post-emergence damping-off caused by <i>Fusarium</i> spp., <i>Pythium</i> spp. and <i>Rhizoctonia</i> spp. Control of seedling blight caused by <i>Fusarium</i> spp., and <i>Pythium</i> spp. Control of seedling root rot caused by <i>Fusarium</i> spp. Seed rot and seedling blight caused by seed-borne <i>Phomopsis</i> spp. Early season root rot caused by <i>Phytophthora megasperma</i> var. <i>sojae</i> . <sup>2</sup>
<b>Dry Beans</b>	Control of seed rot/pre-emergence damping-off, and post-emergence damping-off caused by <i>Fusarium</i> spp., <i>Pythium</i> spp. and <i>Rhizoctonia</i> spp. Control of seedling blight caused by <i>Pythium</i> spp. Anthracnose caused by seed-borne <i>Colletotrichum</i> spp.
<b>Chickpeas</b>	Seed-borne Ascochyta blight caused by <i>Ascochyta rabiei</i> Control of seed rot/pre-emergence damping-off, and post-emergence damping-off caused by <i>Fusarium</i> spp., <i>Pythium</i> spp. and <i>Rhizoctonia</i> spp. Control of seedling blight caused by <i>Fusarium</i> spp., and <i>Pythium</i> spp. Seed rot and seedling blight caused by seed-borne <i>Botrytis</i> spp.
<b>Lentils</b>	Seed-borne Ascochyta blight caused by <i>Ascochyta lentis</i> Control of seed rot/pre-emergence damping-off, post-emergence damping-off and seedling blight caused by <i>Fusarium</i> spp., <i>Pythium</i> spp. and <i>Rhizoctonia</i> spp. Control of seedling root rot caused by <i>Fusarium</i> spp. Seed rot and seedling blight caused by seed-borne <i>Botrytis</i> spp.
<b>Dry Peas</b>	Seed-borne Ascochyta blight and foot rot caused by <i>Ascochyta pinodes</i> Control of seed rot/pre-emergence damping-off, post-emergence damping-off and seedling blight caused by <i>Fusarium</i> spp., <i>Pythium</i> spp. and <i>Rhizoctonia</i> spp.

<sup>1</sup> Based on 6,660 soybean seeds per kg, **PROTÉGÉ SEED TREATMENT FUNGICIDE** delivers 9.5 µg of active ingredients (3.8 µg of fludioxonil and 5.7 µg of metalaxyl-M) per seed

<sup>2</sup> **PROTÉGÉ SEED TREATMENT FUNGICIDE** provides early season protection against Phytophthora root rot for tolerant varieties of soybeans. If target fields have a history of high Phytophthora pressure, or susceptible varieties are to be treated, then tank-mix 325 mL of **PROTÉGÉ SEED TREATMENT FUNGICIDE** with 31 mL of APRON XL® LS Fungicide per 100 kg of seed.

### 13.0 MINOR USES

#### NOTE TO USER: READ THE FOLLOWING BEFORE USING THIS PRODUCT FOR THE INDICATED SPECIAL USE APPLICATIONS

The DIRECTIONS FOR USE for the uses described in this section of the label were developed by persons other than NewAgco inc. under the User Requested Minor Use Label Expansion program. For these uses, NewAgco inc. has not fully assessed performance (efficacy) and/or crop tolerance (phytotoxicity) under all environmental conditions or for all crop varieties when used in accordance with the label. The user should test the product on a small area first, under local conditions and using standard practices, to confirm the product is suitable for widespread application.

Crop	Diseases Controlled	Use Rate per 100 kg seed	Notes
<b>Edible-Podded and Succulent Shelled Peas</b>	Seed-borne <i>Ascochyta</i> blight and foot rot caused by <i>Ascochyta pinodes</i> Control of seed rot/pre-emergence damping-off, post-emergence damping-off and seedling blight caused by <i>Fusarium</i> spp., <i>Pythium</i> spp. and <i>Rhizoctonia</i> spp.	325 mL	One application as a seed treatment  For treatment on-farm or by commercial seed treaters (facilities and mobile treaters).
<b>Edible-Podded and Succulent Shelled Beans</b>	Control of seed rot/pre-emergence damping-off, and post-emergence damping-off caused by <i>Fusarium</i> spp., <i>Pythium</i> spp. and <i>Rhizoctonia</i> spp. Control of seedling blight caused by <i>Pythium</i> spp. Anthracnose caused by seed-borne <i>Colletotrichum</i> spp.		
<b>Lupins</b>	Control of seed rot/pre-emergence damping-off, post-emergence damping-off and seedling blight caused by <i>Fusarium</i> spp., <i>Pythium</i> spp. and <i>Rhizoctonia</i> spp.		
<b>Faba Beans</b>	Control of seed rot/pre-emergence damping-off, post-emergence damping-off and seedling blight caused by <i>Fusarium</i> spp., <i>Pythium</i> spp. and <i>Rhizoctonia</i> spp.		

Crop	Diseases Controlled	Use Rate per 100 kg seed	Notes
<p><b>Root Vegetables (Crop Subgroup 1A):</b> Beet (garden), beet(sugar), Burdock (edible), Carrot, Celeriac, Chervil (turnip-rooted), Chicory, Ginseng, Horseradish, Parsley (turnip-rooted), Parsnip, Radish (including oriental), Rutabaga, Salsify (oyster plant, black and Spanish), Skirret, Turnip</p>	<p>Control of seed rot/preemergence damping-off, postemergence damping-off and seedling blight caused by <i>Fusarium</i> spp., <i>Pythium</i> spp. and <i>Rhizoctonia</i> spp.</p> <p><b>In addition:</b></p> <p><b>Beets</b> - Control of seed rot/preemergence damping-off, postemergence damping-off and seedling blight caused by <i>Aspergillus</i> spp. and <i>Penicillium</i> spp.</p> <p><b>Ginseng-</b> <i>Cylindrocarpon</i> root rot caused by <i>Cylindrocarpon destructans</i>.</p>	<p>665 mL</p>	<p>One application as a seed treatment before planting. For ginseng, this application must be post-stratification.</p> <p><b>Beets:</b> For Import Use Only – Not for Domestic Commercial or On-Farm Seed Treatment.</p> <p><b>Beets and Ginseng:</b> Do not graze or feed livestock on seeded area for 30 days.</p> <p>For treatment by commercial seed treaters (facilities and mobile treaters) only.</p>

<p><b>Cress (garden and upland), Chinese mustard cabbage, Chinese broccoli</b></p>	<p>Control of seed rot/preemergence damping-off, postemergence damping-off and seedling blight caused by <i>Fusarium</i> spp., <i>Pythium</i> spp. and <i>Rhizoctonia</i> spp.</p>	<p>665 mL</p>	<p>One application as a seed treatment.</p> <p>Do not apply <b>PROTÉGÉ SEED TREATMENT FUNGICIDE</b> to leafy greens which are destined to be grown in the greenhouse. Containers of bags containing <b>PROTÉGÉ SEED TREATMENT FUNGICIDE</b> treated leafy greens seed must be labelled with the restriction "Do not use seed for leafy greens destined to be grown in the greenhouse." For treatment by commercial seed treaters (facilities and mobile treaters) only.</p>
<p><b>Brassica Vegetables (Crop Group 5-13):</b> Broccoli, Brussels sprouts, Cabbage (incl. Chinese and Napa), Cauliflower, and cultivars, varieties and/or hybrids of these</p>	<p>Control of seed rot/preemergence damping-off, postemergence damping-off and seedling blight caused by <i>Fusarium</i> spp., <i>Pythium</i> spp. and <i>Rhizoctonia</i> spp.</p> <p><b>In addition:</b></p> <p><b>Cauliflower-</b> Control of seed rot/pre-emergence damping-off, post-emergence damping-off and seedling blight caused by <i>Aspergillus</i> spp. and <i>Penicillium</i> spp.</p>	<p>665 mL</p>	<p>One application as a seed treatment.</p> <p>For Import Use Only – Not for Domestic Commercial or On Farm Seed Treatment.</p> <p>Do not plant treated seed by hand.</p> <p>For cauliflower- do not graze or feed livestock on seeded area for 30 days.</p>
<p><b>Kohlrabi</b></p>	<p>Control of seed rot/preemergence damping-off, postemergence damping-off and seedling blight caused by <i>Fusarium</i> spp., <i>Pythium</i> spp. and <i>Rhizoctonia</i> spp.</p>	<p>665 mL</p>	<p>One application as a seed treatment.</p> <p>For treatment by commercial seed treaters (facilities and mobile treaters) only.</p>
<p><b>Cucurbit Vegetables (Crop Group 9):</b> Chayote, Chinese Waxgourd, Citron Melon, Cucumber, Gherkin, Gourd Edible (includes Hyotan, Cucuzza, Hechima, Chinese Okra), Momordica, all Muskmelon, Pumpkin, all Squash, and Watermelon</p>	<p>Control of seed rot/preemergence damping-off, postemergence damping-off and seedling blight caused by <i>Fusarium</i> spp., <i>Pythium</i> spp. and <i>Rhizoctonia</i> spp.</p>	<p>665 mL</p>	<p>One application as a seed treatment</p> <p>For Import Use Only – Not for Domestic Commercial or On Farm Seed Treatment.</p>

<p><b>Grass Forage, Fodder, and Hay (CG17):</b> All grasses (including Bermuda grass, Bluegrass and Fescue or Bromegrass)</p> <p>All of the <i>Gramineae</i> family (either green or cured) except sugarcane and those included in the cereal grains Crop Group 15, that will be fed to or grazed by livestock, all pasture and range grasses and grasses grown for hay or silage</p>	<p>Control of seed rot/preemergence damping-off, postemergence damping-off and seedling blight caused by <i>Fusarium</i> spp., <i>Pythium</i> spp. and <i>Rhizoctonia</i> spp.</p>	<p>665 mL.</p>	<p>One application as a seed treatment.</p> <p>For treatment by commercial seed treaters (facilities and mobile treaters) only.</p>
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#### 14.0 RESISTANCE MANAGEMENT RECOMMENDATIONS

For resistance management, **PROTÉGÉ SEED TREATMENT FUNGICIDE** contains Group 4 and 12 fungicides. Any fungal population may contain individuals naturally resistant to **PROTÉGÉ SEED TREATMENT FUNGICIDE** and other Group 4 and 12 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 **PROTÉGÉ SEED TREATMENT FUNGICIDE** or other Group 4 and 12 fungicides with different groups that control the same pathogens.
- Use tank mixtures with fungicides from a different group that is effective on the target pathogen 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 New Agco Inc. if reduced sensitivity of the pathogen to **PROTÉGÉ SEED TREATMENT FUNGICIDE** 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 or to report suspected resistance, contact AgraCity Crop & Nutrition Ltd. representatives at 1-844-269-3276 or [www.AgraCity.com](http://www.AgraCity.com).

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