

2017-3763
2019-10-25

Container

GROUP	3	FUNGICIDE
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Relenya

Fungicide Seed Treatment

Seed treatment for use in canola/rapeseed, corn, Crop Subgroup 6C Dried Shelled Pea and Bean Subgroup (including dry pea, chickpea and lentils), soybean and wheat.

Suspension Concentrate

COMMERCIAL (AGRICULTURAL)

ACTIVE INGREDIENT: Mefentrifluconazole..... 400 g/L

Contains 5-chloro-2-methyl-4-isothiazolin-3-one at 0.00111 %, 2-methyl-4-isothiazolin-3-one at 0.0004 %, 1,2-benzisothiazolin-3-one at 0.0400 % and 2-bromo-2-nitropropane-1,3-diol at 0.0240% as preservatives.

Or

Contains 1,2-benzisothiazolin-3-one and 2-methyl-4-isothiazolin-3-one at 0.0075%, as preservatives.

Warning, contains the allergen soy.

POTENTIAL SKIN SENSITIZER

REGISTRATION NO. 33407 PEST CONTROL PRODUCTS ACT

READ THE LABEL BEFORE USING

KEEP OUT OF REACH OF CHILDREN

**IN CASE OF EMERGENCY ENDANGERING LIFE OR PROPERTY
INVOLVING THIS PRODUCT, CALL DAY OR NIGHT
1-800-454-2673**

NET CONTENTS: 0.1 L – Bulk

BASF Canada Inc.
100 Milverton Drive, 5th Floor
Mississauga, Ontario L5R 4H1
1-877-371-2273

Relenya is a trade-mark of BASF SE, used with permission by BASF Canada Inc.

PRECAUTIONS

1. **KEEP OUT OF REACH OF CHILDREN.**
2. Potential skin sensitizer.
3. Wash thoroughly after handling and before eating, drinking or smoking.
4. **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 when seed is being treated or bagged.
5. Please refer to booklet for personal protective equipment.
6. If clothing becomes contaminated, remove and wash separately from household laundry before reuse.
7. Clean equipment thoroughly after use.

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.

STORAGE

1. Store in original tightly closed container and the ideal storage temperature is above freezing . If **Relenya** freezes, bring to room temperature and agitate prior to use.

2. To prevent contamination store this product away from food and feed.
3. Store in cool, dry, locked, well-ventilated area without floor drain.

DISPOSAL

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 reuse this container for any other purpose.

For Non-Returnable containers

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

For information on the 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 this product in a way that is inconsistent with the directions on the label.

Booklet

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GENERAL INFORMATION

Relenya is a fungicide seed treatment that provides preventive seed and seedling protection against seed- and soil-borne diseases in canola/rapeseed, corn, Crop 6C Dried Shelled Pea and Bean including dry pea, chickpea and lentils, soybean, and wheat. **Relenya** is active against diseases caused by *Fusarium* spp., and dwarf bunt (*Tilletia controversa*). Make applications according to the use directions in this label.

MODE OF ACTION

Mefentrifluconazole, the active ingredient in **Relenya**, inhibits demethylation of sterol biosynthesis (DMI), which disrupts cell membrane synthesis and is classified by the Fungicide Resistance Action Committee (FRAC) as a Group 3 fungicide.

PRECAUTIONS

1. **KEEP OUT OF REACH OF CHILDREN.**
2. Potential skin sensitizer.
3. Wash thoroughly after handling and before eating, drinking or smoking.
4. 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 when seed is being treated or bagged.
5. If clothing becomes contaminated, remove and wash separately from household laundry before reuse.
6. Clean equipment thoroughly after use.

Seed Types	Tasks	PPE/ Engineering Controls
For Commercial Seed Treatment (including mobile treaters)		
All seed types	Closed transfer system only	Closed transfer includes closed mixing, loading, calibrating, and closed treatment equipment.
	Treaters	Wear coveralls over a long-sleeved shirt, long pants, chemical-resistant gloves, socks, shoes and a NIOSH-approved N95 (minimum) filtering facepiece respirator (dust mask) that is properly fit tested during mixing, loading, application, bagging, stacking, sewing bags of treated seed and any other activities involving handling treated seeds.
	Clean-up and repair activities	Wear chemical-resistant coveralls over a long-sleeved shirt, long pants, chemical-resistant gloves, socks, chemical-resistant footwear and a NIOSH-approved N95 (minimum) filtering facepiece respirator (dust mask) that is properly fit tested during clean-up and repair activities.
For On-Farm Seed Treatment		
All seed types	Open or closed	Wear coveralls over a long-sleeved shirt, long pants,

Seed Types	Tasks	PPE/ Engineering Controls
	transfer system	chemical-resistant gloves, socks, shoes and a NIOSH-approved N95 (minimum) filtering facepiece respirator (dust mask) that is properly fit tested during mixing, loading, application, clean-up, repair and any other activities involving handling treated seeds.
	Treaters	
	Clean-up and repair activities	
For Planting Treated Seeds		
All seed types	Planters	During handling and planting treated seeds, wear coveralls over a long-sleeved shirt, long pants, chemical-resistant gloves, socks, shoes and a NIOSH-approved N95 (minimum) filtering facepiece respirator (dust mask) that is properly fit tested.
	Closed-cab tractor	Use a closed-cab tractor when planting. Gloves are not required within the closed cab.

ENVIRONMENTAL PRECAUTIONS

Ensure proper soil incorporation of the seeds.

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

Toxic to aquatic organisms.

Mefentrifluconazole is persistent and may carry over. It is recommended that any products containing mefentrifluconazole not be used in areas treated with this product during the previous season.

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.

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

TOXICOLOGICAL INFORMATION

Treat symptomatically.

APPLICATION INSTRUCTIONS

Relenya can be used on farm and on closed transfer commercial seed treatment facilities. Closed transfer includes closed mixing, loading, calibrating, and closed treatment equipment.

Apply **Relenya** as a water-based mixture using standard slurry, gravity flow or mist-type seed treatment application equipment. The exact amount of water needed to provide the mixture or slurry rate (mL/100 kg of seed) for optimum coverage is difficult to predict since weather conditions, hot or cold, seed type and surface and equipment used all have a bearing on coverage. Consult a seed treatment specialist regarding slurry rates recommended for the crop seed to be treated with **Relenya**. The required amount of **Relenya** should then be diluted with the recommended amount of water that will provide uniform and complete coverage on the seed surface. Uniform application on seed and complete seed coverage are necessary for seed safety and best disease protection. Seed should be sound and well cleaned prior to treatment.

The purchaser of **Relenya** is responsible for ensuring that all seed treated with this product are adequately dyed with a suitable color to prevent its accidental use as food for man or feed for animals.

DIRECTIONS FOR USE

Apply recommended rates of **Relenya** with seed treatment equipment as specified. Equipment should be checked frequently for proper calibration.

CANOLA, RAPESEED	
Diseases Controlled	Product use rate in mL/100 kg seed
Seed rot (pre-emergence damping-off) caused by <i>Fusarium</i> spp.	12.5 to 50 (5-20 g ai/100 kg seed)
Use the high rate if planting into cold, wet soils, or if disease pressure is expected to be high.	

CORN (Field corn, popcorn, sweet corn and seed corn)	
Diseases Controlled	Product use rate in mL/100 kg seed
Seed rot (pre-emergence damping-off), post-emergence damping-off, and seedling blight caused by soil-borne <i>Fusarium</i> spp.	12.5 – 25 (5-10 g ai/100 kg seed) Based on a seed size of 3527 seeds/Kg

Seed rot (pre-emergence damping-off), post-emergence damping-off, and seedling blight caused by soil-borne <i>Rhizoctonia solani</i>	25 (10 g ai/100 kg seed) Based on a seed size of 3527 seeds/Kg
Adjust these rates of Relenya as needed for other seed sizes, maintaining a minimum rate of 0.014 mg ai per seed (density ≈ 1.15 g per mL).	
Use the high rate if planting into cold, wet soils, or if disease pressure is expected to be high.	

CROP SUBGROUP 6C: DRIED SHELLLED PEA AND BEAN SUBGROUP	
<p>Bean (<i>Lupinus spp.</i>) (includes grain lupin, sweet lupin, white lupin and white sweet lupin); Bean (<i>Phaseolus spp.</i>) (includes field bean, kidney bean, lima bean [dry], navy bean, pinto bean, runner bean, snap bean, tepary bean and wax bean); Bean (<i>Vigna spp.</i>) (includes adzuki bean, asparagus bean, blackeyed pea, catjang, Chinese long bean, cowpea, crowder pea, moth bean, mung bean, rice bean, southern pea, and yard long bean); Broad bean (fava bean) (<i>Vicia faba</i>); Chickpea (garbanzo bean); Guar; Lablab bean (hyacinth bean); Lentil (<i>Lens esculenta</i>); Pea (<i>Pisum spp.</i>) (includes dwarf pea, edible-pod pea, English pea, field pea, garden pea, green pea, snow pea and sugar snap pea); Pigeon pea</p>	
Diseases Controlled	Product use rate in mL/100 kg seed
Seed rot and seedling blight caused by soil-borne <i>Fusarium spp.</i> Seed rot (pre-emergence damping-off), post-emergence damping-off, and seedling blight caused by soil-borne <i>Rhizoctonia solani</i>	12.5 -50 (5-20 g ai/100 kg seed)
Use the high rate if planting into cold, wet soils, or if disease pressure is expected to be high.	

SOYBEAN	
Diseases Controlled	Product use rate in mL/100 kg seed
Seed rot (pre-emergence damping-off), post-emergence damping-off, and seedling blight caused by soil-borne <i>Rhizoctonia solani</i> and <i>Fusarium spp.</i>	12.5 - 50 (5-20 g ai/100 kg seed)
Use the high rate if planting into cold, wet soils, or if disease pressure is expected to be high.	

WHEAT (Spring, winter, durum and triticale)	
Diseases Controlled	Product use rate in mL/100 kg seed
Seed rot (pre-emergence damping-off), post-emergence damping-off, and seedling blight caused by <i>Fusarium</i> spp. Dwarf Bunt caused by <i>Tilletia controversa</i>	12.5 - 25 (5 to 10 g ai/100 kg seed)
Use the high rate if planting into cold, wet soils, or if disease pressure is expected to be high.	

USE RESTRICTIONS

- Do not use treated seed for food, feed or oil processing.
- Do not store **Relenya** near feed or foodstuffs.
- Do not contaminate feed or foodstuffs.
- Any seed treated with this product must be either thoroughly stained with a conspicuous colour or coated with a material that renders it conspicuous. **Relenya** is sold only to individuals who can comply with these requirements. Regulations pertaining to the colouration of treated seed enforced under the "Seeds Act" must be strictly adhered to when using this product.

SEED LABELLING

TREATED SEED MUST BE LABELLED AS FOLLOWS:

"This seed has been treated with **Relenya** containing Mefentrifluconazole. DO NOT use for food, feed or oil processing. Store away from feed and food stuff."

"Workers handling or planting treated seed must wear long-sleeved shirt, long pants, chemical-resistant gloves, shoes and socks. Workers handling treated seed should wear suitable dust mask."

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

SEED STORAGE

Treatment of highly mechanically damaged seed, seed known to be of low vigour and poor quality, or seed where the storage conditions were poor (high humidity in storage, moisture within grain storage facility, or grain sitting on the ground) may result in reduced germination and/or reduction of seed and seedling vigour. Treat and conduct germination tests on a small test sample of seed before treating commercial quantities with **Relenya**. Due to seed quality and seed storage conditions beyond the control of BASF Canada, BASF Canada makes no claims or guarantees as to germination of carry-over seed treated with **Relenya**.

RESISTANCE-MANAGEMENT RECOMMENDATIONS

For resistance management, please note that **Relenya** contains **Group 3** fungicide. Any fungal population may contain individuals naturally resistant to **Relenya** and other Group 3 fungicides. A gradual or total loss of pest control may occur over time if these fungicides are used repeatedly in the same locations. Other resistance mechanisms that are not linked to site of action but are 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 **Relenya** or other Group 3 fungicides with different groups that control the same pathogens. Avoid application of consecutive sprays of other Group 3 fungicides in a season.

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.

Monitor treated fungal populations for resistance development. Notify BASF Canada if reduced sensitivity of the pathogen to **Relenya** 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 BASF Canada at 1-877-371-2273.

STORAGE

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2. To prevent contamination store this product away from food and feed.
3. Store in cool, dry, locked, well-ventilated area without floor drain.

DISPOSAL

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