

2021-0013
2021-07-08

[Container]

VERCORAS™ F3 Seed Treatment

FUNGICIDE

SUSPENSION CONCENTRATE

COMMERCIAL

For seed treatment use in Crop Subgroup 20A Rapeseed Subgroup (including but not limited to canola, *Brassica juncea*, and canola oil quality mustards).

ACTIVE INGREDIENTS:

Pyraclostrobin	16.7 g/L
Fluxapyroxad	16.7 g/L
Metalaxyl	13.3 g/L

Contains 1,2-benzisothiazolin-3-one at 0.007%, 2-methyl-4-isothiazolin-3-one at 0.007%, 2-bromo-2-nitropropane-1,3-diol at 0.002%, 5-chloro-2-methyl-4-isothiazolin-3-one at 0.00006%, as preservatives

Warning, contains the allergen soy

REGISTRATION NO. 33937

PEST CONTROL PRODUCTS ACT

READ THE LABEL AND ATTACHED BROCHURE BEFORE USING

KEEP OUT OF REACH OF CHILDREN

CAUTION – SKIN IRRITANT

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

NET CONTENTS: 1 L – 1000 L

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

VERCORAS™ is a trademark of BASF Corporation used with permission by BASF Canada Inc.

PRECAUTIONS

1. **KEEP OUT OF REACH OF CHILDREN.**
2. Harmful if swallowed. Do not take internally.
3. May irritate the skin. Avoid contact with skin. Avoid contact with eyes, skin and clothing.
4. Wash thoroughly after handling and before eating, drinking or smoking.
5. Applicators, other handlers, and handlers of treated seed must wear coveralls over long-sleeved shirt and long pants, chemical resistant gloves made of any waterproof material (such as nitrile, butyl, neoprene and/or barrier laminate), a NIOSH approved N95 filtering facepiece respirator (dust mask) that is properly fit tested and shoes plus socks.
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

The patient should be treated symptomatically.

STORAGE

1. Store in original tightly closed container. Prevent from freezing.

2. Do not ship or store near food, feed, seed and fertilizers.
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 spray 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-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

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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.

[Brochure]

GROUP	4	7	11	FUNGICIDE
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GENERAL INFORMATION

VERCORAS F3 Seed Treatment is a broad spectrum fungicide that provides preventive seed and seedling protection against various seed and soil-borne pathogens. Make all applications according to the use directions in this label.

APPLICATION INSTRUCTIONS

For use on farm and for commercial treatment (facilities and mobile treaters).

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.

Apply **VERCORAS F3 Seed Treatment** using standard slurry or mist-type seed treatment application equipment. When applied at the recommended rate, no additional dyes or dilutions with water are needed unless recommended by the manufacturer of the seed treatment application equipment/machines. Please consult the seed treatment application equipment manufacturer in question for further directions.

Do not graze or feed livestock on treated areas for four weeks after planting.

RECOMMENDATIONS FOR SEED TREATMENT

Crop	Target Diseases Controlled	Product use rate in mL/100 kg seed
Crop subgroup 20A: Rapeseed Subgroup*, including canola, <i>Brassica juncea</i> and canola oil quality mustards, excluding flax seed	Seed rot, seedling blight, and root rot caused by soil-borne <i>Fusarium</i> spp. Seed rot, seedling blight, and root rot caused by soil-borne <i>Rhizoctonia solani</i> Seed rot and seedling blight caused by soil-borne <i>Pythium</i> spp. Seed- and soil-borne blackleg (<i>Leptosphaeria maculans</i>)** Seed-and soil-borne alternaria spot (<i>Alternaria</i> spp.)**	600

*Borage (*Borago officinalis*), Crambe (*Crambe hispanica*; *C. abyssinica*), Cuphea (*Cuphea hyssopifolia*), Echium (*Echium plantagineum*), Gold of Pleasure (*Camelina sativa*), Hare's ear mustard (*Conringia orientalis*), Lesquerella (*Lesquerella recurvata*), Lunaria (*Lunaria annua*), Meadowfoam (*Limnanthes alba*), Milkweed (*Asclepias* spp.), Mustard seed (*Brassica hirta* spp.), Oil radish (*Raphanus sativus* var. *oleiformis*), Poppy seed (*Papaver somniferum* L. subsp. *somniferum*), Rapeseed (*Brassica* spp.; *Brassica napus* L.), Sesame (*Sesamum indicum*; *S. radiatum*), Sweet rocket (*Hesperis matronalis*), cultivars and/or hybrids of these.

** For control on the following crops that are members of the *Brassicaceae* family (crambe, gold of pleasure, hare's ear mustard, lesquerella, lunaria, mustard seed, oil radish, rapeseed, including canola, *Brassica juncea* and canola oil quality mustards, and sweet rocket.)

USE RESTRICTIONS

- Do not use treated seed for food, feed or oil processing.
- Do not store **VERCORAS F3 Seed Treatment** near feed or foodstuffs.
- Do not contaminate feed or foodstuffs.

VERCORAS F3 Seed Treatment contains sufficient pigment to conspicuously color and coat treated seed. Regulations pertaining to the coloration of treated seed enforced under the "Seeds Act" must be strictly adhered to when using this product.

When planting treated seeds, a closed cab planter is required at all times. All workers outside the closed cab must wear long-sleeved shirt and long pants, coveralls, chemical-resistant gloves made of any waterproof material (such as nitrile, butyl, neoprene and/or barrier laminate), shoes plus socks and a respirator with a NIOSH approved organic-vapour-removing cartridge with a pre-filter approved for pesticides OR a NIOSH approved canister approved for pesticides.

SEED LABELLING

TREATED SEED MUST BE LABELLED AS FOLLOWS:

"This seed has been treated with pyraclostrobin, fluxapyroxad and metalaxyl. DO NOT use for food, feed or oil processing."

When handling treated seed, wear coveralls over long-sleeved shirt and long pants, chemical resistant gloves made of any waterproof material (such as nitrile, butyl, neoprene and/or barrier laminate), a NIOSH approved N95 filtering facepiece respirator (dust mask) that is properly fit tested and shoes plus socks.

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

Thoroughly clean auger after handling treated seed before using same auger for handling commercial or feed grains.

Leftover treated seed should not be stored where there is a chance of it becoming mixed with untreated seed.

Store treated seed in cool, dry conditions.

When planting treated seeds, a closed cab planter is required at all times. All workers outside the closed cab must wear long-sleeved shirt and long pants, coveralls, chemical-resistant gloves made of any waterproof material (such as nitrile, butyl, neoprene and/or barrier laminate), shoes plus socks and a respirator with a NIOSH approved organic-vapour-removing cartridge with a pre-filter approved for pesticides OR a NIOSH approved canister approved for pesticides.

RESISTANCE-MANAGEMENT RECOMMENDATIONS

Mode of Action

VERCORAS F3 Seed Treatment contains three active ingredients from different fungicide groups that have distinct modes of action. Pyraclostrobin is classified as a Target Site of Action Group 11 fungicide. Fluxapyroxad is classified as a Target Site of Action Group 7 fungicide. Metalaxyl is classified as a Target Site of Action Group 4 fungicide. Due to the minimal amounts of **VERCORAS F3 Seed Treatment** applied to the seed that relocate to the upper parts of the plant and the multiple modes of action, the potential for development of resistance is extremely low. Seed treatments of **VERCORAS F3 Seed Treatment** can therefore be followed by foliar use and resistance management guidelines of foliar use fungicides containing the same modes of action as specified on the respective labels.

Resistance Management

VERCORAS F3 Seed Treatment contains three active ingredients with three distinct modes of action. Any fungal population may contain individuals naturally resistant to **VERCORAS F3 Seed Treatment**, and other Group 4, 7 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 the development of fungicide resistance:

- Where possible, rotate the use of **VERCORAS F3 Seed Treatment** with different groups that control the same pathogens.
- Use tank mixtures with fungicide 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.
- Monitor treated fungal populations for resistance development. Notify BASF Canada Inc. if reduced sensitivity of the pathogen to (product name) 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.

ENVIRONMENTAL PRECAUTIONS

Toxic to aquatic organisms, non-target terrestrial plants and small wild animals. Treated seed is toxic to small wild mammals.

Ensure proper soil incorporation of the seeds. **DO NOT** feed treated seed to, or otherwise expose to, wildlife or domestic birds. If treated seed is spilled outdoors or in areas accessible to birds, promptly clean up or bury to prevent ingestion. Ensure proper disposal of any surplus treated seed not intended for later planting. **DO NOT** contaminate domestic or irrigation water supplies, lakes, streams, ponds or any body of water with the chemical, used containers, treated seed or bags, which have held treated seed. **DO NOT** contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

Unused or leftover treated seed should not be stored where there is a chance of it becoming mixed with untreated seed.

PRECAUTIONS

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