

This label has been updated according to the re-evaluation decision of Difenoconazole RVD2022-05. While users are encouraged to follow this updated label immediately, the previously approved label is valid until 21/04/2024 in accordance with the phase out period set out in the re-evaluation/special review decision of Difenoconazole RVD2022-05. This previously approved label will be provided upon request by emailing [hc.pkra.info-arla.sc@canada.ca](mailto:hc.pkra.info-arla.sc@canada.ca). In your email please include the product name and Registration number of the label you are requesting.

GROUP	3	4	7	12	FUNGICIDES
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## VIBRANCE® FLEXI CEREALS

### FUNGICIDE SEED TREATMENT

### SUSPENSION

### COMMERCIAL

Fungicide seed treatment for use on labelled crops to control or suppress seed and soil-borne diseases.

#### ACTIVE INGREDIENTS:

Difenoconazole .....	40 g/L
Metalaxyl-M and S-isomer .....	12.5 g/L
Sedaxane.....	8.4 g/L
Fludioxonil.....	4.2 g/L

Contains 1,2-benzisothiazolin-3-one at 0.004%, 5-chloro-2-methyl-4-isothiazolin-3-one at 0.00056% and 2-methyl-4-isothiazolin-3-one at 0.00019% as preservatives.

**Warning, contains the allergen soy.**

**READ THE LABEL AND ATTACHED BOOKLET BEFORE USING  
KEEP OUT OF REACH OF CHILDREN AND ANIMALS**

**ALL SEED TREATED WITH THIS PRODUCT MUST BE CONSPICUOUSLY COLOURED AT  
THE TIME OF TREATMENT**

REGISTRATION NO. **32625**  
PEST CONTROL PRODUCTS ACT

NET CONTENTS: **1 L – 1050 L**

**Syngenta Canada Inc.**  
140 Research Lane, Research Park  
Guelph, Ontario N1G 4Z3  
Telephone: 1-877-964-3682

**For use with commercial seed treaters (facilities and mobile treaters) with closed transfer systems only. Closed transfer includes closed mixing, loading, calibrating and closed treatment equipment. No open transfer of VIBRANCE® FLEXI CEREALS is permitted.**

Label

## 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. The user assumes the risk to persons or property that arises from any such use of this product.

## 2.0 FIRST AID

**IN CASE OF POISONING**, contact a physician or a poison control centre **IMMEDIATELY**. Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

**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 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 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.

Never give anything by mouth to an unconscious person. Remove person to a safe and uncontaminated area. Seek medical attention **IMMEDIATELY** if irritation persists or is severe. Have the product container or label with you when calling a poison control centre or doctor, or going for treatment.

## 3.0 TOXICOLOGICAL INFORMATION

There is no specific antidote for this product if ingested. Treat symptomatically.

## 4.0 PRECAUTIONS

**KEEP OUT OF REACH OF CHILDREN AND DOMESTIC ANIMALS.** For use with commercial seed treaters (facilities and mobile treaters). Wash hands and face after handling and before eating, using tobacco (including smoking), applying cosmetics, or using the toilet. Avoid contamination of feed and foodstuffs.

Store the product in a well-ventilated, secure area.

Apply only in a way that this product will not 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.

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 Syngenta Canada Inc. at 1-87-SYNGENTA / 1-877-964-3682.

## 5.0 PERSONAL PROTECTIVE EQUIPMENT (PPE)

When cleaning seed treatment equipment, cleaners must wear chemical-resistant coveralls over a long-sleeved shirt and long pants, chemical-resistant gloves, chemical resistant footwear and socks. When treating, bagging, sewing, stacking and when handling treated seed must wear cotton coveralls over a long-sleeved shirt and long pants, chemical-resistant gloves, work boots and socks. Wear a NIOSH-approved N95 filtering facepiece respirator (dust mask) that is properly fit tested when bagging or sewing bags of treated seed or when transferring seed to a storage bin. For good hygiene practice, it is also recommended to wear a NIOSH-approved N95 filtering facepiece respirator (dust mask) that is properly fit tested during all other job activities.

When loading treated seeds into a planter, wear coveralls over a long-sleeved shirt, long pants, shoes plus socks, and chemical-resistant gloves. For all other planting activities and when handling treated seed, wear a long-sleeved shirt, long pants, shoes plus socks, and chemical-resistant gloves. Use only closed cab planting equipment. Chemical-resistant gloves do not need to be worn when inside the closed cab.

## 6.0 ENVIRONMENTAL PRECAUTIONS

TOXIC to aquatic organisms. Do not contaminate food, feed, domestic or irrigation water supplies, lakes, streams and ponds.

Treated seed is 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 or other surfaces.

## 7.0 USE RESTRICTIONS

1. Treated seed must not be used for food, feed or oil processing.
2. Store away from food and feed.
3. Do not graze or feed livestock on treated areas for 45 days after planting.
4. Do not plant any crop other than barley, oats, rye, triticale, wheat, canola, rapeseed, or mustard within 60 days to fields in which seed treated with VIBRANCE FLEXI CEREALS were planted.

All bags containing treated seed for sale or use in Canada must be labeled or tagged as follows: **“This seed has been treated with difenoconazole, metalaxyl-M and S-isomer, fludioxonil and sedaxane fungicides. When loading treated seeds into a planter, wear coveralls over a long-sleeved shirt, long pants, shoes plus socks, and chemical-resistant gloves For all other planting activities and when handling treated seed wear long-sleeved shirt, long pants, shoes, socks and chemical-resistant gloves. Use only closed cab planting equipment. When using closed-cab planting equipment, chemical-resistant gloves are not required inside cab. For good hygiene practice, it is also recommended to wear a NIOSH-approved N95 filtering facepiece respirator (dust mask) that is properly fit tested during**

**all job activities. Keep treated seeds out of reach of children and animals. Do not use for food, feed or oil processing. Store this product away from food and feed. Treated seed is TOXIC to birds. Any spilled or exposed seeds must be incorporated into the soil or otherwise cleaned-up from the soil surface.”**

## **8.0 STORAGE**

To prevent contamination, 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 regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

### **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 Returnable Containers**

Do not reuse this container for any purpose. For disposal, the empty container may be returned to the point of purchase (distributor/dealer).

### **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.

***IN CASE OF EMERGENCY INVOLVING A MAJOR SPILL, FIRE OR POISONING,  
CALL 1-800-327-8633 (FASTMED)***

GROUP	3	4	7	12	FUNGICIDES
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Pamphlet

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Apply only in a way that this product will not 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.

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## 7.0 USE RESTRICTIONS

1. Treated seed must not be used for food, feed or oil processing.
2. Store away from food and feed.
- ~~3.~~ Do not graze or feed livestock on treated areas for 45 days after planting.
4. Do not plant any crop other than barley, oats, rye, triticale, wheat, canola, rapeseed, or mustard within 60 days to fields in which seed treated with VIBRANCE FLEXI CEREALS were planted.
5. All bags containing treated seed for sale or use in Canada must be labeled or tagged as follows: **“This seed has been treated with difenoconazole, metalaxyl-M and S-isomer, fludioxonil and sedaxane fungicides. When loading treated seeds into a planter, wear coveralls over a long-sleeved shirt, long pants, shoes plus socks, and chemical-resistant gloves For all other planting activities and when handling treated seed wear long-sleeved shirt, long pants, shoes, socks and chemical-resistant gloves. Use only closed cab planting equipment .When using closed-cab planting equipment, chemical-resistant gloves are not required inside cab. For good hygiene practice, it is also recommended to wear a NIOSH-approved N95 filtering facepiece respirator (dust mask) that is properly fit tested during all job activities. Keep treated seeds out of reach of children and animals. Do not use for food, feed or oil processing. Store this product**

**away from food and feed. Treated seed is TOXIC to birds. Any spilled or exposed seeds must be incorporated into the soil or otherwise cleaned-up from the soil surface.”**

## **8.0 STORAGE**

To prevent contamination, store this product away from food or feed.

## **9.0 DISPOSAL**

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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.

***IN CASE OF EMERGENCY INVOLVING A MAJOR SPILL, FIRE OR POISONING,  
CALL 1-800-327-8633 (FASTMED)***

## **10.0 PRODUCT INFORMATION**

VIBRANCE FLEXI CEREALS contains the fungicides difenoconazole, metalaxyl-M and S-isomer, fludioxonil and sedaxane. This product controls or suppresses a broad spectrum of seed and soil-borne diseases in cereals.

## **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.

VIBRANCE FLEXI CEREALS is a premix formulation which does not include a pigment. To optimize seed coverage, water, colourant, and polymers must be added to facilitate application.

Note: Seed coverage is critical to optimize control of seed and soil-borne diseases. Apply VIBRANCE FLEXI CEREALS Seed Treatment slurry utilizing seed treatment equipment which provides uniform seed coverage. Uneven or incomplete seed coverage may not give the desired level of disease protection. Follow the manufacturer's application instructions for the seed treatment equipment being used. Maintain constant agitation of the slurry. Allow the seed to dry before bagging or storing into bulk containers. Depending on planting equipment, seed treated with the VIBRANCE FLEXI CEREALS Seed Treatment slurry may not flow through planting equipment at the same rate as untreated seed. Recalibrate this equipment before planting treated seed.

### Note: Seed Storage

Due to seed quality and seed storage conditions beyond the control of Syngenta Canada Inc., 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. Treating such seed with VIBRANCE FLEXI CEREALS should only be done for curative control of existing disease pests. 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.

### Seeding Equipment:

Depending on the seeding equipment used, seed treated with VIBRANCE FLEXI CEREALS may not flow through the equipment at the same rate as untreated seed or seed treated with other cereal seed treatment products. Re-calibration of seeding equipment is recommended before planting seed treated with VIBRANCE FLEXI CEREALS.

**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.**

## 12.0 CROP USE DIRECTIONS

### 12.1 Cereals

CROP GROUP 15 (CEREALS)	
CROPS	Barley
DISEASES	Seed rots caused by <i>Fusarium</i> , <i>Pythium</i> , <i>Rhizoctonia</i> , <i>Penicillium</i> and <i>Aspergillus</i>

<b>CONTROLLED</b>	<p>spp. Seedling blight, root rot, and damping-off caused by seed- and soil-borne <i>Fusarium</i> spp. or <i>Rhizoctonia</i> spp. Seedling blight, root rot, and damping-off caused by soil-borne <i>Pythium</i> spp. Seed-borne <i>Septoria</i> Covered smut (<i>Ustilago hordei</i>) False loose smut (<i>Ustilago nigra</i>) True loose smut (<i>Ustilago nuda</i>)</p>
<b>DISEASES SUPPRESSED<sup>1</sup></b>	<p>Common root rot (<i>Cochliobolus sativus</i>) <i>Fusarium</i> crown and foot rot (<i>Fusarium</i> spp.) Take-all (<i>Gaeumannomyces graminis</i>)</p>
<b>RATE</b>	<p>600 mL/100 kg seed</p>
<b>NOTES</b>	<p><sup>1</sup>Suppression means consistent control at a level that is not optimal but is still of commercial benefit.</p>

<b>CROPS</b>	<b>Oats</b>
<b>DISEASES CONTROLLED</b>	Seed rots caused by <i>Fusarium</i> , <i>Pythium</i> , <i>Rhizoctonia</i> , <i>Penicillium</i> and <i>Aspergillus</i> spp. Seedling blight, root rot, and damping-off caused by seed- and soil-borne <i>Fusarium</i> spp. or <i>Rhizoctonia</i> spp. Seedling blight, root rot, and damping-off caused by soil-borne <i>Pythium</i> spp. Covered smut ( <i>Ustilago hordei</i> ) Loose smut ( <i>Ustilago avenae</i> )
<b>DISEASES SUPPRESSED<sup>1</sup></b>	Common root rot ( <i>Cochliobolus sativus</i> )
<b>RATE</b>	600 mL/100 kg seed
<b>NOTES</b>	<sup>1</sup> Suppression means consistent control at a level that is not optimal but is still of commercial benefit.
<b>CROPS</b>	<b>Rye</b>
<b>DISEASES CONTROLLED</b>	Seed rots caused by <i>Fusarium</i> , <i>Pythium</i> , <i>Rhizoctonia</i> , <i>Penicillium</i> and <i>Aspergillus</i> spp. Seedling blight, root rot, and damping-off caused by seed- and soil-borne <i>Fusarium</i> spp. or <i>Rhizoctonia</i> spp. Seedling blight, root rot, and damping-off caused by soil-borne <i>Pythium</i> spp. Common bunt ( <i>Tilletia tritici</i> ) <sup>2</sup> Dwarf bunt ( <i>Tilletia controversa</i> ) <sup>2</sup>
<b>DISEASES SUPPRESSED<sup>1</sup></b>	Common root rot ( <i>Cochliobolus sativus</i> ) <i>Fusarium</i> crown and foot rot ( <i>Fusarium</i> spp.) Take-all ( <i>Gaeumannomyces graminis</i> )
<b>RATE</b>	600 mL/100 kg seed
<b>NOTES</b>	<sup>1</sup> Suppression means consistent control at a level that is not optimal but is still of commercial benefit. <sup>2</sup> Controls both seed- and soil-borne bunts (common, dwarf).
<b>CROPS</b>	<b>Triticale</b>
<b>DISEASES CONTROLLED</b>	Seed rots caused by <i>Fusarium</i> , <i>Pythium</i> , <i>Rhizoctonia</i> , <i>Penicillium</i> and <i>Aspergillus</i> spp. Seedling blight, root rot, and damping-off caused by seed- and soil-borne <i>Fusarium</i> spp. or <i>Rhizoctonia</i> spp. Seedling blight, root rot, and damping-off caused by soil-borne <i>Pythium</i> spp. Loose smut ( <i>Ustilago tritici</i> )
<b>DISEASES SUPPRESSED<sup>1</sup></b>	Common root rot ( <i>Cochliobolus sativus</i> ) <i>Fusarium</i> crown and foot rot ( <i>Fusarium</i> spp.) Take-all ( <i>Gaeumannomyces graminis</i> )
<b>RATE</b>	600 mL/100 kg seed
<b>NOTES</b>	<sup>1</sup> Suppression means consistent control at a level that is not optimal but is still of commercial benefit.

<b>CROPS</b>	<b>Winter Wheat</b>
<b>DISEASES CONTROLLED</b>	Seed rots caused by <i>Fusarium</i> , <i>Pythium</i> , <i>Rhizoctonia</i> , <i>Penicillium</i> and <i>Aspergillus</i> spp. Seedling blight, root rot, and damping-off caused by seed- and soil-borne <i>Fusarium</i> spp. or <i>Rhizoctonia</i> spp. Seedling blight, root rot, and damping-off caused by soil-borne <i>Pythium</i> spp. Seed-borne <i>Septoria</i> <i>Septoria</i> Leaf Blotch Common bunt ( <i>Tilletia tritici</i> ) <sup>2</sup> Dwarf bunt ( <i>Tilletia controversa</i> ) <sup>2</sup> Loose smut ( <i>Ustilago tritici</i> )
<b>DISEASES SUPPRESSED<sup>1</sup></b>	Common root rot ( <i>Cochliobolus sativus</i> ) Fusarium crown and foot rot ( <i>Fusarium</i> spp.) Take-all ( <i>Gaeumannomyces graminis</i> )
<b>RATE</b>	600 mL/100 kg seed
<b>NOTES</b>	<sup>1</sup> Suppression means consistent control at a level that is not optimal but is still of commercial benefit. <sup>2</sup> Controls both seed- and soil-borne bunts (common, dwarf).
<b>CROPS</b>	<b>Spring Wheat</b>
<b>DISEASES CONTROLLED</b>	Seed rots caused by <i>Fusarium</i> , <i>Pythium</i> , <i>Rhizoctonia</i> , <i>Penicillium</i> and <i>Aspergillus</i> spp. Seedling blight, root rot, and damping-off caused by seed- and soil-borne <i>Fusarium</i> spp. or <i>Rhizoctonia</i> spp. Seedling blight, root rot, and damping-off caused by soil-borne <i>Pythium</i> spp. Seed-borne <i>Septoria</i> Common bunt ( <i>Tilletia tritici</i> ) <sup>2</sup> Loose smut ( <i>Ustilago tritici</i> )
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<b>RATE</b>	600 mL/100 kg seed
<b>NOTES</b>	<sup>1</sup> Suppression means consistent control at a level that is not optimal but is still of commercial benefit. <sup>2</sup> Controls both seed- and soil-borne common bunt.

## 12.2 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 Syngenta Canada Inc. at 1-87-SYNGENTA / 1-877-964-3682 for information before applying any tank mix that is not specifically recommended on this label.

Syngenta Canada Inc. has not fully assessed performance (efficacy) and/or crop tolerance (phytotoxicity) of all potential tank mixes under all environmental conditions or for all crop varieties. Tank mixes that are not specifically listed on this label should be tested on a small area first, under local conditions and using standard practices, to confirm the tank mix is suitable for widespread application.

To determine the physical compatibility of this product with other products, use a jar test.

Always read and follow label directions including WALES mixing order.

### **13.0 RESISTANCE MANAGEMENT RECOMMENDATIONS**

For resistance management, VIBRANCE FLEXI CEREALS contains Group 3, 4, 7 and 12 fungicides. Any fungal population may contain individuals naturally resistant to VIBRANCE FLEXI CEREALS and other Group 3, 4, 7 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 are specific for individual chemicals, such as enhanced metabolism, may also exist. Appropriate resistance-management strategies should be followed.

#### **To delay insecticide and fungicide resistance:**

Where possible, rotate the use of VIBRANCE FLEXI CEREALS or other Group 3, 4, 7 and 12 fungicides with different groups that control the same pathogens.

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 Syngenta Canada Inc. if reduced sensitivity of the pathogen to VIBRANCE FLEXI CEREALS is suspected.

Contact your local extension specialist or certified crop advisors for any additional pesticide resistance-management and/or IPM recommendations for specific crops and pests problems in your area.

For further information and to report suspected resistance, contact Syngenta Canada Inc. at 1-877-SYNGENTA (1-877-964-3682) or at [www.syngenta.ca](http://www.syngenta.ca).

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