

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. In your email please include the product name and Registration number of the label you are requesting.

GROUP	3	7	40	FUNGICIDES
-------	---	---	----	------------

VIBRANCE® ULTRA POTATO

SEED TREATMENT FUNGICIDE

COMMERCIAL - AGRICULTURAL

SUSPENSION

A potato seed piece fungicide for control or suppression of seed- and soil-borne diseases.

ACTIVE INGREDIENT:

Sedaxane	77.2 g/L
Difenoconazole	77.2 g/L
Mandipropamid	154.3 g/L

Contains 1,2-benzisothiazolin-3-one at 0.03%, 5-chloro-2-methyl-4-isothiazolin-3-one at 0.00014%, 2-methyl-4-isothiazolin-3-one at 0.000048% and 2-bromo-2-nitropropane-1,3-diol at 0.03% as preservatives.

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

REGISTRATION NO: **33171**
PEST CONTROL PRODUCTS ACT

NET CONTENTS: 1L - Bulk

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

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.

2.0 FIRST AID

IN CASE OF POISONING, contact a doctor 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. 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 in eyes, hold eyes 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.

3.0 TOXICOLOGICAL INFORMATION

If swallowed, there is no specific antidote. Treat symptomatically.

4.0 PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN AND DOMESTIC ANIMALS.

Avoid contamination of feed and foodstuffs.

DO NOT use open treating equipment when treating potato seed pieces. This product must be applied using a closed treatment system.

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 when seed is being treated or bagged.

Treat seed in a well-ventilated area. Keep treated potato pieces out of the reach of children and animals.

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)

Wear coveralls over a long-sleeved shirt, long pants, chemical-resistant gloves, socks and boots during mixing, loading, clean-up, and repair. When handling treated potato seed pieces or when working with or around equipment used to transport or plant treated potato seed pieces, workers must wear a long-sleeved shirt, long pants, gloves, socks, and boots. For good hygiene practice, it is also recommended to wear a NIOSH-approved N95 (minimum) filtering facepiece respirator (dust mask) that is properly fit tested during all job activities.

Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Wash splashes from skin IMMEDIATELY with plenty of water. Remove PPE immediately after handling this product. Wash the outside of gloves with soap and water before removing. As soon as possible, wash thoroughly and change into clean clothing. After spraying, wash hands and shower thoroughly with soap and water.

Heavily contaminated or drenched clothing and other absorbent materials contaminated with this product should be discarded. Do not reuse them.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

Wear freshly laundered clothes daily.

Do not wear contaminated shoes.

Users should wash hands and exposed skin before eating, drinking, chewing gum, using tobacco, applying cosmetics or using the toilet.

While using product, do not eat, drink or use tobacco (including smoking).

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.

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

7.0 USE RESTRICTIONS

1. Treated seed must not be used for food, feed or oil processing.
2. Store away from food and feed, and out of the reach of children and animals.
3. Do not plant any crop other than corn, cereals, canola, soybeans, dry beans, dry peas, chickpeas, lentils and sugar beets, within 60 days to fields in which seed treated with VIBRANCE® ULTRA POTATO were planted.
4. All bags containing treated seed for sale or use in Canada must be labelled or tagged as follows: **“This seed has been treated with sedaxane, difenoconazole, and mandipropamid fungicides. Do not use for food, feed or oil processing. Store away from food, feed and keep out of reach of children and domestic animals. Do not contaminate food, feed or domestic water supplies**

8.0 STORAGE

Keep in original container, tightly closed, during storage. Store in a cool, dry, well-ventilated area away from other pesticides, feed and foodstuffs, and out of the reach of children and animals. To prevent contamination store this product away from seed, food or feed.

Ideal storage temperature is above freezing and below 30 °C. Repeated freeze-thawing of VIBRANCE ULTRA POTATO will not affect the physical integrity of the product. If the product should freeze, bring the product back to room temperature and ensure the contents are mixed well prior to application.

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 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 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 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.

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

VIBRANCE® is a trademark of a Syngenta Group Company.

GROUP	3	7	40	FUNGICIDES
-------	---	---	----	------------

VIBRANCE® ULTRA POTATO

SEED TREATMENT FUNGICIDE

COMMERCIAL - AGRICULTURAL

SUSPENSION

A potato seed piece fungicide for control or suppression of seed- and soil-borne diseases.

ACTIVE INGREDIENT:

Sedaxane	77.2 g/L
Difenoconazole	77.2 g/L
Mandipropamid	154.3 g/L

Contains 1,2-benzisothiazolin-3-one at 0.03%, 5-chloro-2-methyl-4-isothiazolin-3-one at 0.00014%, 2-methyl-4-isothiazolin-3-one at 0.000048% and 2-bromo-2-nitropropane-1,3-diol at 0.03% as preservatives.

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

REGISTRATION NO: **33171**
PEST CONTROL PRODUCTS ACT

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

Pamphlet

TABLE OF CONTENTS

	Section Number
NOTICE TO USER	1.0
FIRST AID.....	2.0
TOXICOLOGICAL INFORMATION	3.0
PRECAUTIONS.....	4.0
PERSONAL PROTECTIVE EQUIPMENT (PPE)	5.0
ENVIRONMENTAL PRECAUTIONS.....	6.0
USE RESTRICTIONS.....	7.0
STORAGE	8.0
DISPOSAL.....	9.0
PRODUCT INFORMATION	10.0
DIRECTIONS FOR USE.....	11.0
..... General Information	11.1
CROP USE DIRECTIONS.....	12.0
..... Potatoes.....	12.1
..... Tank Mixes	12.2
RESISTANCE MANAGEMENT RECOMMENDATIONS	13.0

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

IN CASE OF POISONING, contact a doctor 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. 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 in eyes, hold eyes 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.

3.0 TOXICOLOGICAL INFORMATION

If swallowed, there is no specific antidote. Treat symptomatically.

4.0 PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN AND DOMESTIC ANIMALS. Avoid contamination of feed and foodstuffs.

DO NOT use open treating equipment when treating potato seed pieces. This product must be applied using a closed treatment system.

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 when seed is being treated or bagged.

Treat seed in a well-ventilated area. Keep treated potato pieces out of the reach of children and animals.

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)

Wear coveralls over a long-sleeved shirt, long pants, chemical-resistant gloves, socks and boots during mixing, loading, clean-up, and repair. When handling treated potato seed pieces or when working with or around equipment used to transport or plant treated potato seed pieces, workers must wear a long-sleeved shirt, long pants, gloves, socks, and boots. For good hygiene practice, it is also recommended to wear a NIOSH-approved N95 (minimum) filtering facepiece respirator (dust mask) that is properly fit tested during all job activities.

Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Wash splashes from skin IMMEDIATELY with plenty of water. Remove PPE immediately after handling this product. Wash the outside of gloves with soap and water before removing. As soon as possible, wash thoroughly and change into clean clothing. After spraying, wash hands and shower thoroughly with soap and water.

Heavily contaminated or drenched clothing and other absorbent materials contaminated with this product should be discarded. Do not reuse them.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

Wear freshly laundered clothes daily.

Do not wear contaminated shoes.

Users should wash hands and exposed skin before eating, drinking, chewing gum, using tobacco, applying cosmetics or using the toilet.

While using product, do not eat, drink or use tobacco (including smoking).

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.

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

7.0 USE RESTRICTIONS

1. Treated seed must not be used for food, feed or oil processing.
2. Store away from food and feed, and out of the reach of children and animals.
3. Do not plant any crop other than corn, cereals, canola, soybeans, dry beans, dry peas, chickpeas, lentils and sugar beets, within 60 days to fields in which seed treated with VIBRANCE® ULTRA POTATO were planted.
4. All bags containing treated seed for sale or use in Canada must be labelled or tagged as follows: **“This seed has been treated with sedaxane, difenoconazole, and mandipropamid fungicides. Do not use for food, feed or oil processing. Store away from food, feed and out of reach of children and domestic animals. Do not contaminate food, feed or domestic water supplies.”**

8.0 STORAGE

Keep in original container, tightly closed, during storage. Store in a cool, dry, well-ventilated area away from other pesticides, feed and foodstuffs, and out of the reach of children and animals. To prevent contamination store this product away from seed, food or feed.

Ideal storage temperature is above freezing and below 30 °C. Repeated freeze-thawing of VIBRANCE ULTRA POTATO will not affect the physical integrity of the product. If the product should freeze, bring the product back to room temperature and ensure the contents are mixed well prior to application.

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 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 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 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.

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

10.0 PRODUCT INFORMATION

VIBRANCE ULTRA POTATO is a preventative seed treatment fungicide with systemic properties recommended for the control or suppression of labeled diseases of potatoes.

VIBRANCE ULTRA POTATO is to be used as an integral part of a potato disease management strategy. This strategy includes the use of high quality seed and the incorporation of cultural techniques such as: crop rotation and optimal harvest time for tubers to minimize disease development, proper handling of tubers to avoid unnecessary bruising, management and sanitation of equipment and storage areas to reduce inoculum including avoidance of storage conditions that lead to free moisture or condensation and application of the seed piece treatment to clean seed pieces with a properly calibrated application system.

NOTE: Handling of sprouted seed known to be of low vigour and poor quality may result in reduced germination and/or reduction of seed and seedling vigour. Due to seed quality and seed storage conditions beyond the control of Syngenta Canada Inc., no claims are made to guarantee the germination of potato seed pieces.

11.0 DIRECTIONS FOR USE

11.1 General Information

VIBRANCE ULTRA POTATO controls or suppresses seed-borne diseases of potatoes including black scurf and stem and stolon canker (*Rhizoctonia solani*), silver scurf (*Helminthosporium solani*), pink rot (*Phytophthora erythroseptica*), preventative control of late blight (*Phytophthora infestans*) and fusarium dry rot (*Fusarium* spp., including fludioxonil-resistant strains). VIBRANCE ULTRA POTATO does not control bacterial diseases present within the seed.

12.0 CROP USE DIRECTIONS

Apply 32 mL of VIBRANCE ULTRA POTATO per 100 kg of seed to potatoes. At this rate, VIBRANCE ULTRA POTATO delivers 2.5 g of difenoconazole and sedaxane, and 5.0 g of mandipropamid per 100 kg of seed.

12.1 Potatoes

CROP	Potatoes
DISEASES CONTROLLED	Seed-borne silver scurf (<i>Helminthosporium solani</i>) <i>Fusarium</i> dry rot (<i>Fusarium</i> spp.) Seed-borne black scurf, stem and stolon canker (<i>Rhizoctonia solani</i>) Preventative control of seed-borne late blight (<i>Phytophthora infestans</i>)
DISEASES SUPPRESSED	Pink rot (<i>Phytophthora erythroseptica</i>)
RATE	32 mL/100 kg seed
RESTRICTIONS	DO NOT apply more than 600 g mandipropamid/ha/year. Refer to the chart on the REVUS® label on the maximum number of foliar applications allowed following the use of VIBRANCE ULTRA POTATO Fungicide as potato seed piece treatment.

12.2 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 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 ULTRA POTATO contains sedaxane, mandipropamid, and difenoconazole, Group 3, 7 and 40 fungicides. Any fungal population may contain individuals

naturally resistant to VIBRANCE ULTRA POTATO and other Group 3, 7 and 40 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 VIBRANCE ULTRA POTATO or other Group 3, 7 and 40 fungicides with different groups that control the same pathogens.

VIBRANCE ULTRA POTATO contains a carboxamide fungicide; therefore, continuous or sequential use of carboxamide fungicides within or during successive growing seasons must be avoided or reduced. VIBRANCE ULTRA POTATO is not cross-resistant with other classes of fungicide that have different modes of action.

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 Syngenta Canada Inc. if reduced sensitivity of the pathogen to VIBRANCE ULTRA POTATO 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 target 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 Syngenta company representatives at 1-87-SYNGENTA (1-877-964-3682) or at www.syngenta.ca.