

**\*\*Container Label\*\***

|            |   |           |
|------------|---|-----------|
| NEMATICIDE |   |           |
| GROUP      | 7 | FUNGICIDE |

**VELUM™ RISE**  
SUSPENSION

NEMATICIDE/FUNGICIDE FOR USE AS AN IN-FURROW APPLICATION TO POTATO

COMMERCIAL

REGISTRATION NUMBER: 34871 PEST CONTROL PRODUCTS ACT

ACTIVE INGREDIENTS:

|           |         |
|-----------|---------|
| Fluopyram | 250 g/L |
| Penflufen | 106 g/L |

Contains 1,2-benzisothiazolin-3-one at 0.023% and 5-chloro-2-methyl-4-isothiazolin-3-one at 0.0009% and 2-methyl-4-isothiazolin-3-one at 0.0003% as preservatives.

-OR-

Contains 1,2-benzisothiazolin-3-one at 0.035% and 5-chloro-2-methyl-4-isothiazolin-3-one at 0.0009% and 2-methyl-4-isothiazolin-3-one at 0.0003% as preservatives.



CAUTION

POISON

READ THE LABEL AND BROCHURE BEFORE USING

KEEP OUT OF REACH OF CHILDREN

NET CONTENTS: 1 – bulk

Bayer CropScience Inc.  
Suite 200, 160 Quarry Park Blvd. SE  
Calgary, AB  
T2C 3G3

[www.cropscience.bayer.ca](http://www.cropscience.bayer.ca)

For product information, call 1-888-283-6847.

In case of spills, poisoning or fire, call telephone emergency response number 1-800-334-7577 (24 hours a day).

**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.

**DIRECTIONS FOR USE:** See the printed booklet provided with this container.

**PRECAUTIONS: KEEP OUT OF REACH OF CHILDREN.** Harmful if swallowed or absorbed through skin. Avoid contact with the skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. If product comes in contact with clothing, remove all contaminated clothing, wash skin with soap and water and dress in clean clothing. Launder applicator clothing separate from other laundry. **PROTECTIVE CLOTHING AND EQUIPMENT:** Wear a long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes during mixing, loading, application, clean-up and repair. Gloves are not required during application within a closed cab. Apply only to agricultural crops when the potential for drift to areas of human habitation and human activity, such as houses, cottages, schools and recreational areas, is minimal. Take into consideration wind speed, wind direction, temperature inversions, application equipment, and sprayer settings.

If this pest control product is to be used on a commodity that may be exported and you require information regarding Maximum Residue Limits for an importing country, please contact Bayer CropScience Canada Inc. at 1-888-283-6847 or [www.cropscience.bayer.ca](http://www.cropscience.bayer.ca).

**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 in eyes: Hold eye open and rinse slowly and gently with water for 15 to 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 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. Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

**TOXICOLOGICAL INFORMATION:** Treat symptomatically.

**ENVIRONMENTAL PRECAUTIONS:** Toxic to aquatic organisms and non-target terrestrial plants. Toxic to birds. To reduce runoff from treated areas into aquatic habitats avoid application to areas with a moderate to steep slope, compacted soil, or clay. Avoid application when heavy rain is forecast. Contamination of aquatic areas as a result of runoff may be reduced by including a vegetative filter strip between the treated area and the edge of the water body. This product demonstrates the properties and characteristics associated with chemicals detected in groundwater. The use of this product in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

**STORAGE:** Store this product away from food or feed. Do not store below freezing. If stored for 1 year or longer, shake well before using. Do not use or store in or around the home. Keep the product in the original container during storage.

**DISPOSAL:** Recyclable Container Disposal:

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/territorial requirements.

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).

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.

Disposal of Unused, Unwanted Product: 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 cleanup of spills.

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VELUM™ RISE is a trademark of Bayer.

**\*\*Booklet Label\*\***



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**VELUM™ RISE**

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## GENERAL INFORMATION

### SECTION 1: 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.

### SECTION 2: THE PRODUCT

VELUM™ RISE is a broad spectrum nematicide/fungicide with preventative, systemic, and curative properties recommended for the suppression of certain soil plant pathogenic nematodes and protection from certain crop diseases. VELUM RISE is best suited for use in a preventative treatment program.

## SAFETY AND HANDLING

### SECTION 3: PRECAUTIONS

**KEEP OUT OF REACH OF CHILDREN.** Harmful if swallowed or absorbed through skin. Avoid contact with the skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. If product comes in contact with clothing, remove all contaminated clothing, wash skin with soap and water and dress in clean clothing. Launder applicator clothing separate from other laundry.

**PROTECTIVE CLOTHING AND EQUIPMENT:** Wear a long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes during mixing, loading, application, clean-up and repair. Gloves are not required during application within a closed cab.

Apply only to agricultural crops when the potential for drift to areas of human habitation and human activity, such as houses, cottages, schools and recreational areas, is minimal. Take into consideration wind speed, wind direction, temperature inversions, application equipment, and sprayer settings.

**DO NOT** enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours.

If this pest control product is to be used on a commodity that may be exported and you require information regarding Maximum Residue Limits for an importing country, please contact Bayer CropScience Canada Inc. at 1-888-283-6847 or [www.cropscience.bayer.ca](http://www.cropscience.bayer.ca).

### SECTION 4: FIRST AID AND TOXICOLOGICAL INFORMATION

#### 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 in eyes: Hold eye open and rinse slowly and gently with water for 15 to 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.

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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.

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

TOXICOLOGICAL INFORMATION: Treat symptomatically.

#### SECTION 5: ENVIRONMENTAL PRECAUTIONS

Toxic to aquatic organisms and non-target terrestrial plants. Toxic to birds.

To reduce runoff from treated areas into aquatic habitats avoid application to areas with a moderate to steep slope, compacted soil, or clay. Avoid application when heavy rain is forecast. Contamination of aquatic areas as a result of runoff may be reduced by including a vegetative filter strip between the treated area and the edge of the water body.

This product demonstrates the properties and characteristics associated with chemicals detected in groundwater. The use of this product in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

#### SECTION 6: STORAGE

Store this product away from food or feed. Do not store below freezing. If stored for 1 year or longer, shake well before using. Do not use or store in or around the home. Keep the product in the original container during storage.

#### SECTION 7: DISPOSAL

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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.

**Disposal of Unused, Unwanted Product:**

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 cleanup of spills.

**DIRECTIONS FOR USE**

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.

**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 Bayer CropScience Inc. at 1-888-283-6847 or [www.cropscience.bayer.ca](http://www.cropscience.bayer.ca) for information before applying any tank mix that is not specifically recommended on this label.

Bayer CropScience 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.

**DO NOT** apply by air.

Do not apply this product through any type of irrigation system.

**SPRAY BUFFER ZONES:** A spray buffer zone is NOT required for in-furrow applications of VELUM RISE in potatoes permitted on this label.



**SECTION 8: CROP, PESTS, RATE, TIMING AND APPLICATION INSTRUCTIONS**

| <b>POTATO</b>  |   |
|--|---|
| <b>Pest/Disease Controlled or Suppressed</b>   | <b>Rate</b>   |
| <p><b>Control of:</b></p> <ul style="list-style-type: none"> <li>• Soil-borne black scurf and</li> <li>• Stem and stolon canker caused by <i>Rhizoctonia solani</i>.</li> </ul> <p><b>Suppression of:</b></p> <ul style="list-style-type: none"> <li>• Early blight (<i>Alternaria solani</i>)</li> <li>• Black dot (<i>Colletotrichum coccodes</i>)*</li> <li>• White mold (<i>Sclerotinia sclerotiorum</i>)</li> </ul>   | <p>1 L/ha</p> <p>or</p>                                   |
| <p><b>Suppression of plant pathogenic nematodes*:</b></p> <ul style="list-style-type: none"> <li>• Root lesion nematodes (<i>Pratylenchus</i> spp.),</li> <li>• Root knot nematodes (<i>Meloidogyne</i> spp.),</li> <li>• Potato cyst nematodes (including Pale cyst and Golden Nematode) (<i>Globodera pallida</i>, <i>Globodera rostochiensis</i>)</li> </ul>  | <p>9 ml/100 m of row<br/>(based on 90 cm row spacing)</p> |
| <p>*Black dot (<i>Colletotrichum coccodes</i>) and plant pathogenic nematodes are some of the causal agents of the potato early dying (PED) disease complex.</p>   |   |
| <b>USE INFORMATION</b>   |   |
| <p><b>In-furrow treatment:</b></p> <ol style="list-style-type: none"> <li>1. Apply as an in-furrow spray in 40 to 150 L/ha of water at planting.</li> <li>2. For best results, mount the spray nozzle to direct the spray as a 15-20 cm band onto the seed pieces in the furrow just before the seed is covered.</li> </ol> <p>Best control of soil-borne and seed-borne <i>Rhizoctonia solani</i> is obtained if the in-furrow treatment with VELUM RISE is preceded by a seed piece treatment with Emesto Silver® at registered rates.</p> <p>Foliar disease pressure should be monitored throughout the growing season. Use of fungicides with different modes of action for in-season foliar applications will help limit the development of resistance and enhance late season control. When using foliar fungicides for late blight control throughout the season, utilize actives that also have activity on early blight.</p> <p>For maximum efficacy against nematodes, VELUM RISE must be utilized as part of an integrated approach to nematode management. This approach involves cultural practices and use of alternative chemistries when necessary.</p> <p><b>Restrictions:</b></p> <p><b>Maximum seasonal application rates:</b></p> <p><b>Fluopyram:</b> Do not apply more than 500 g fluopyram/ha per year, regardless of formulation or method of application (soil or foliar).</p> <p><b>Penflufen:</b> Do not apply more than 160 g penflufen/ha per year, regardless of formulation or method of application (seed piece treatment or in-furrow).</p> <p>To limit the potential for development of disease resistance to this fungicide class do not make more than 2 sequential applications of any Group 7 containing fungicide before rotating with a fungicide from a different Group registered for the same use. When VELUM RISE is applied as a soil application use another mode of action for the first foliar fungicide application. Ensure additional resistance management recommendations (Section 11) are followed.</p> <p>Tops or greens from these crops may be utilized for food or feed. Do not allow livestock to graze treated area for 7 days after application.</p> |   |

SECTION 9: ROTATIONAL CROP RESTRICTIONS:

Do not replant to alfalfa for 14 days after application. Potatoes and other tuberous and corm vegetables, sugarbeets, crops of crop groups 3-07 (bulb vegetables), 6 (legume vegetables, succulent or dried), 15 (cereal grains) and 20 (oilseeds) may be rotated anytime following the last application of VELUM RISE. All other crops may be replanted 30 days following the last application of VELUM RISE.

SECTION 10: MIXING INSTRUCTIONS

VELUM RISE must be applied with properly calibrated, clean equipment.

Prior to adding VELUM RISE to the spray tank, ensure that the spray tank is thoroughly clean:

- Add one-half of the required amount of water to the spray or mixing tank and start agitation.
- Add the required quantity of VELUM RISE to the water and complete filling with water to the required total volume.
- Maintain agitation throughout mixing and spraying.

SECTION 11: RESISTANCE MANAGEMENT RECOMMENDATIONS

For resistance management, VELUM RISE contains two Group 7 fungicides. Any fungal population may contain individuals naturally resistant to VELUM RISE and other Group 7 fungicides. A gradual or total loss of pest control may occur over time if this product is used repeatedly in the same field. 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 VELUM RISE or other Group 7 fungicides with products from different groups that control the same pests/pathogens.
- Use tank-mixtures with fungicides from a different group that is effective on the target pathogen when such use is permitted.
- Avoid consecutive applications of Group 7 fungicides in a season. When VELUM RISE is applied as a soil application, use another mode of action for the first foliar fungicide application.
- For multi-spray crops: The total number of sprays containing Group 7 fungicides in a mixture should not exceed half of the total number of fungicide applications in a season.
- Nematicide/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 Bayer CropScience if reduced sensitivity of the pathogen to VELUM RISE 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/nematicide 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 the specific site and pest problems in your area.

PMRA Approved Label  
2024-1047  
2024-09-10

- For further information and to report suspected resistance, contact a Bayer representative at 1-888-283-6847 or at [www.cropscience.bayer.ca](http://www.cropscience.bayer.ca).

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VELUM™ RISE is a trademark and Emesto Silver is a registered trademark of Bayer.