

2012-0171 2012-01-30

GROUP	<b>3 4</b>	FUNGICIDES
-------	------------	------------

**DIVIDEND XL RTA<sup>®</sup> FUNGICIDE**

FUNGICIDE

AGRICULTURAL

Seed Treatment for control of certain diseases of cereal crops including barley, buckwheat, corn, millet (pearl and proso), oats, rye, sorghum, triticale, and wheat

**GUARANTEE:**

Difenoconazole .....	3.37 %
Metalaxyl-M and S-isomer .....	0.27 %

Contains 1,2-benzisothiazolin-3-one at 0.015% as a preservative.  
Suspension

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

REGISTRATION NUMBER: **25777**  
PEST CONTROL PRODUCTS ACT

NET CONTENTS: 10 L to 1000 L

**ALL SEED TREATED WITH THIS PRODUCT MUST BE CONSPICUOUSLY COLOURED**

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

**LABEL**

## 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.

## FIRST AID

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

**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 15–20 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 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.

## TOXICOLOGICAL INFORMATION

Treat symptomatically.

## PRECAUTIONS

KEEP OUT OF THE REACH OF CHILDREN. Harmful if swallowed. Avoid contact with eyes or prolonged contact with skin. Avoid inhalation of vapours or spray mist. Wash hands and face after handling and before eating or smoking. 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 being treated during application. Wear a suitable dust mask when bagging or sewing bags of treated seed or when transferring seed to a storage bin.

**For On-Farm Use**: When handling DIVIDEND XL RTA Fungicide, contaminated equipment or seed treated with DIVIDEND X L RTA Fungicide, wear long pants, a long-sleeved shirt and chemical resistant gloves.

**For Commercial Seed Treatment Plant Use** : When handling DIVIDEND X L RTA Fungicide, contaminated equipment or seed treated with DIVIDEND X L RTA Fungicide, wear long-sleeved

coveralls over normal work clothing and chemical resistant gloves. In addition, wear a suitable dust mask when bagging or sewing bags of treated seed or when transferring seed to a storage bin.

All bags containing treated seed for sale or use in Canada must be labeled or tagged as follows: **“This seed has been treated with Dividend XL RTA Fungicide which contains the fungicides difenoconazole and metalaxyl-M and S-isomer. Do not use for food, feed or oil purposes. Store away from feeds and foodstuffs. Wear long-sleeve shirt, long pants, and chemical-resistant gloves when handling treated seed. Do not graze, feed green forage or cut for hay within 35 days of planting of cereals. Do not plant any crop other than cereals within 30 days to fields in which treated seeds were planted. ”**

This product is toxic to fish and aquatic invertebrates. Do not apply this product directly to freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs, ditches and wetlands), estuaries or marine habitats. Do not contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes. Do not contaminate food or feed. If treated seed is spilled outdoors or in areas accessible to birds, promptly clean up or bury to prevent ingestion.

If this pest control product is to be used on a commodity that may be exported to the U.S. and you require information on acceptable residue levels in the U.S., visit CropLife Canada's website at [www.croplife.ca](http://www.croplife.ca).

## **DISPOSAL OF UNUSED, UNWANTED PRODUCT**

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.

### **CONTAINER DISPOSAL:**

#### **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 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 FUNGICIDES**

## **DIVIDEND XL RTA<sup>®</sup> FUNGICIDE**

FUNGICIDE

AGRICULTURAL

Seed Treatment for control of certain diseases of cereal crops including barley, buckwheat, corn, millet (pearl and proso), oats, rye, sorghum, triticale, and wheat

**GUARANTEE:**

Difenoconazole ..... 3.37 %  
Metalaxyl-M and S-isomer ..... 0.27 %

Contains 1,2-benzisothiazolin-3-one at 0.015% as a preservative.  
Suspension

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

REGISTRATION NUMBER: **25777**  
PEST CONTROL PRODUCTS ACT

**ALL SEED TREATED WITH THIS PRODUCT MUST BE CONSPICUOUSLY COLOURED**

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

**PAMPHLET**

## 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.

## FIRST AID

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

**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 15–20 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 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.

## TOXICOLOGICAL INFORMATION

Treat symptomatically.

## PRECAUTIONS

KEEP OUT OF THE REACH OF CHILDREN. Harmful if swallowed. Avoid contact with eyes or prolonged contact with skin. Avoid inhalation of vapours or spray mist. Wash hands and face after handling and before eating or smoking. 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 being treated during application. Wear a suitable dust mask when bagging or sewing bags of treated seed or when transferring seed to a storage bin.

**For On-Farm Use:** When handling DIVIDEND XL RTA Fungicide, contaminated equipment or seed treated with DIVIDEND X L RTA Fungicide, wear long pants, a long-sleeved shirt and chemical resistant gloves.

**For Commercial Seed Treatment Plant Use:** When handling DIVIDEND X L RTA Fungicide, contaminated equipment or seed treated with DIVIDEND X L RTA Fungicide, wear long-sleeved

coveralls over normal work clothing and chemical resistant gloves. In addition, wear a suitable dust mask when bagging or sewing bags of treated seed or when transferring seed to a storage bin.

All bags containing treated seed for sale or use in Canada must be labeled or tagged as follows: **“This seed has been treated with Dividend XL RTA Fungicide which contains the fungicides difenoconazole and metalaxyl-M and S-isomer. Do not use for food, feed or oil purposes. Store away from feeds and foodstuffs. Wear long-sleeve shirt, long pants, and chemical-resistant gloves when handling treated seed. Do not graze, feed green forage or cut for hay within 35 days of planting of cereals. Do not plant any crop other than cereals within 30 days to fields in which treated seeds were planted. ”**

This product is toxic to fish and aquatic invertebrates. Do not apply this product directly to freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs, ditches and wetlands), estuaries or marine habitats. Do not contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes. Do not contaminate food or feed. If treated seed is spilled outdoors or in areas accessible to birds, promptly clean up or bury to prevent ingestion.

If this pest control product is to be used on a commodity that may be exported to the U.S. and you require information on acceptable residue levels in the U.S., visit CropLife Canada's website at [www.croplife.ca](http://www.croplife.ca).

## **DISPOSAL OF UNUSED, UNWANTED PRODUCT**

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.

### **CONTAINER DISPOSAL:**

#### **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 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)***

## GENERAL INFORMATION

DIVIDEND XL RTA Fungicide is a ready-to-use water-based systemic seed dressing which controls or suppresses certain seed- and soil-borne diseases of cereal crops, as listed below. The formulation contains a colouring agent which will colour the treated seed.

**Note:** Treatment of highly mechanically scarred or damaged seed, or seed known to be of low vigour and poor quality, except for the purpose of curative control of existing disease pests, may result in reduced germination and/or reduction of seed and seedling vigour. 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 the seed before committing the total seed lot to a selected seed treatment. 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.

**Note:** Experience has shown that strains of fungus resistant to metalaxyl-M and S-isomer may develop. Failure to control the disease will result in crop damage and/or yield losses. Since the occurrence of the resistance cannot be foreseen, Syngenta Canada, Inc. accepts no responsibility for any loss of, or damage to, crops resulting from the failure of DIVIDEND XL RTA Fungicide to control the resistant fungus strains. If disease appears in a treated field, consult the government extension specialist immediately.

## DIRECTIONS FOR USE

### DO NOT APPLY BY AIR

DIVIDEND XL RTA Fungicide is a ready-to-use water-based formulation for use in commercial seed treatment plants, and for on-farm treatment using standard gravity flow or mist type seed treatment equipment which accurately meters and mixes a flowable seed treatment. DIVIDEND XL RTA Fungicide may also be used in a treat-on-the-go air seeder. The equipment must provide uniform coverage of DIVIDEND XL RTA Fungicide on the seed. Uneven seed coverage may not give the desired level of disease control.

This product does not require the addition of water for application. Consult the manufacturer of the application equipment planned to be used for suitability for this application and for instructions on operation and calibration of the equipment.

**USE RATES FOR CEREALS:** Use the lower rate under normal field conditions. Use the higher rate if: (a) there is a history of high disease pressures in the field, (b) where field conditions favour seed-borne and soil-borne pathogens, or (c) when controlling seed-borne Septoria or early season Septoria leaf blotch.

Crops	Use Rate per 100 kg seed
<b>BARLEY – Diseases Controlled</b>	
General Seed Rots <sup>1</sup> Seedling Blight caused by seed- and soil-borne <i>Fusarium</i> and soil-borne <i>Pythium</i> Seedling Root Rot caused by seed- and soil-borne <i>Fusarium</i> and soil-borne <i>Pythium</i> <i>Pythium</i> and <i>Fusarium</i> Damping-Off Seed-borne <i>Septoria</i> <sup>2</sup> Covered Smut False Loose Smut	325 - 650 mL
<b>BARLEY – Diseases Suppressed<sup>3</sup></b>	
Common Root Rot ( <i>Cochliobolus</i> spp.) <i>Fusarium</i> Crown and Foot Rot Take-All	325 - 650 mL
<b>CORN – Diseases Controlled</b>	
General Seed Rots <sup>1</sup> Seedling Blight caused by seed- and soil-borne <i>Fusarium</i> and soil-borne <i>Pythium</i> Seedling Root Rot caused by seed- and soil-borne <i>Fusarium</i> and soil-borne <i>Pythium</i> <i>Pythium</i> and <i>Fusarium</i> Damping-Off	325 - 650 mL
<b>OATS – Diseases Controlled</b>	
General Seed Rots <sup>1</sup> Seedling Blight caused by seed- and soil-borne <i>Fusarium</i> and soil-borne <i>Pythium</i> Seedling Root Rot caused by seed- and soil-borne <i>Fusarium</i> and soil-borne <i>Pythium</i> <i>Pythium</i> and <i>Fusarium</i> Damping-Off Covered Smut Loose Smut	325 - 650 mL
<b>OATS – Diseases Suppressed<sup>3</sup></b>	
Common Root Rot ( <i>Cochliobolus</i> spp.)	325 - 650 mL
<b>RYE – Diseases Controlled</b>	
General Seed Rots <sup>1</sup> Seedling Blight caused by seed- and soil-borne <i>Fusarium</i> and soil-borne <i>Pythium</i> Seedling Root Rot caused by seed- and soil-borne <i>Fusarium</i> and soil-borne <i>Pythium</i> Seed-borne <i>Septoria</i> <sup>2</sup> <i>Pythium</i> and <i>Fusarium</i> Damping-Off Common Bunt <sup>5</sup> Dwarf Bunt <sup>5</sup>	325 - 650 mL
<b>RYE – Diseases Suppressed<sup>3</sup></b>	
Common Root Rot ( <i>Cochliobolus</i> spp.) <i>Fusarium</i> Crown and Foot Rot Take-All	325 - 650 mL
<b>TRITICALE – Diseases Controlled</b>	
General Seed Rots <sup>1</sup> Seedling Blight caused by seed- and soil-borne <i>Fusarium</i> and soil-borne <i>Pythium</i> Seedling Root Rot caused by seed- and soil-borne <i>Fusarium</i> and soil-borne <i>Pythium</i> <i>Pythium</i> and <i>Fusarium</i> Damping-Off Loose Smut	325 - 650 mL
<b>TRITICALE – Diseases Suppressed<sup>3</sup></b>	
Common Root Rot ( <i>Cochliobolus</i> spp.) <i>Fusarium</i> Crown and Foot Rot Take-All	325 - 650 mL



Crops	Use Rate per 100 kg seed
<b>WINTER WHEAT – Diseases Controlled</b>	
General Seed Rots <sup>1</sup> Seedling Blight caused by seed- and soil-borne <i>Fusarium</i> and soil-borne <i>Pythium</i> Seedling Root Rot caused by seed- and soil-borne <i>Fusarium</i> and soil-borne <i>Pythium</i> <i>Pythium</i> and <i>Fusarium</i> Damping-Off Seed-borne <i>Septoria</i> <sup>2</sup> <i>Septoria</i> Leaf Blotch <sup>2,4</sup> Common Bunt <sup>5</sup> Dwarf Bunt <sup>5</sup> Loose Smut	325 - 650 mL
<b>WINTER WHEAT – Diseases Supressed<sup>3</sup></b>	
Common Root Rot ( <i>Cochliobolus</i> spp.) <i>Fusarium</i> Crown and Foot Rot Take-All	325 - 650 mL
<b>SPRING WHEAT – Diseases Controlled</b>	
General Seed Rots <sup>1</sup> Seedling Blight caused by seed- and soil-borne <i>Fusarium</i> and soil-borne <i>Pythium</i> Seedling Root Rot caused by seed- and soil-borne <i>Fusarium</i> and soil-borne <i>Pythium</i> <i>Pythium</i> and <i>Fusarium</i> Damping-Off Seed-borne <i>Septoria</i> <sup>2</sup> Common Bunt <sup>5</sup> Loose Smut	325 - 650 mL
<b>SPRING WHEAT – Diseases Supressed<sup>3</sup></b>	
Common Root Rot ( <i>Cochliobolus</i> spp.) <i>Fusarium</i> Crown and Foot Rot Take-All	325 - 650 mL

1. General seed rots controlled include those caused by saprophytic organisms such as *Fusarium*, *Pythium*, *Penicillium* and *Aspergillus*.
2. Use the 650 mL rate for control of these diseases.
3. Suppression means consistent control at a level which is not optimal but is still of commercial benefit.
4. Early season foliar disease control for first 4 weeks after planting. For full season control apply a foliar fungicide according to label directions.
5. DIVIDEND XL RTA Fungicide controls both seed-borne and soil-borne bunts (common, dwarf).

#### TANK MIXTURES:

For the control of true loose smut (*Ustilago nuda*) in barley, mix DIVIDEND XL RTA Fungicide with either Charter<sup>†</sup>, Raxil<sup>†</sup> 250FL or Baytan<sup>†</sup> 30. Consult each product label for registered use rates and follow all label use instructions. Read the label directions for each product and follow the most restrictive label precautions and limitations.

Where use rate ranges are given, use the higher rate where conditions favour seed-borne or soil-borne pathogens.

**USE LIMITATIONS:**

1. Do not use treated seed for food, feed or oil purposes.
2. Do not graze, feed green forage or cut for hay within 35 days of planting treated cereal grain seeds.
3. Do not plant any crop other than cereal grains, listed on this label, within 30 days to fields in which treated seeds were planted.

**NOTICE TO USER: READ THE FOLLOWING BEFORE USING THIS PRODUCT FOR THE INDICATED SPECIAL USE APPLICATIONS:**

The DIRECTIONS FOR USE for this product for the uses described below were developed by persons other than Syngenta Canada, Inc. and accepted for registration by Health Canada under the User Requested Minor Use Label Expansion program. Syngenta Canada, Inc. itself makes no representation or warranty with respect to performance (efficacy) and/or crop tolerance (phytotoxicity) claims for this product when used on the crops listed below.

Accordingly, the Buyer and User assume all risks related to performance and crop tolerance arising, and agree to hold Syngenta Canada, Inc. harmless, from any claims based on efficacy and/or phytotoxicity in connection with the uses described below.

Crops	Use Rate per 100 kg seed	Notes
<b>SWEET AND SEED CORN – Diseases Controlled</b>		One application as a seed treatment
Penicillium Three Leaf Dieback	325 mL	
<b>BUCKWHEAT, MILLET (PEARL AND PROSO), SORGHUM – Disease Controlled</b>		Use the lower rate under normal field conditions. Use the higher rate if: a) there is a history of high disease pressures in the field or b) where field conditions favour seed-borne and soil-borne pathogens. Do not graze or feed livestock on seeded area for 35 days after application.
General Seed Rots <sup>1</sup> Seedling Blight caused by seed- and soil-borne <i>Fusarium</i> and soil-borne <i>Pythium</i> Seedling Root Rot caused by seed- and soil-borne <i>Fusarium</i> and soil-borne <i>Pythium</i> <i>Pythium</i> and <i>Fusarium</i> Damping-Off	325 - 650 mL	

1. General seed rots controlled include those caused by saprophytic organisms such as *Fusarium*, *Pythium*, *Penicillium* and *Aspergillus*.

**RESISTANCE MANAGEMENT RECOMMENDATIONS**

For resistance management, please note that DIVIDEND XL RTA Fungicide contains Group 3 and Group 4 fungicides. Any fungal population may contain individuals naturally resistant to DIVIDEND XL RTA Fungicide and other Group 3 and Group 4 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 DIVIDEND X L RTA Fungicide or other Group 3 and Group 4 fungicides with different groups that control the same pathogens.

Use tank mixtures with fungicides from a different group when such use is permitted.

Fungicide use should be based on an IPM program that includes scouting, historical information related to pesticide use and crop rotation and considers cultural, biological and other chemical control practices.

Monitor treated fungal populations for sign of resistance development. 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 company representatives at 1-877-SYNGENTA (1-877-964-3682) or at [www.syngenta.ca](http://www.syngenta.ca).

Product names marked ® or ™ are registered trademarks of a Syngenta Group Company  
† All other products listed are trademarks of their respective companies.

\*\*\*\*\*

This label transcript service is offered by the Pest Management Regulatory Agency to provide efficient searching for label information. This service and this information do not replace the official hard-copy label. The PMRA does not provide any guarantee or assurance that the information obtained through this service is accurate, current or correct, and is therefore not liable for any loss resulting, directly or indirectly, from reliance upon this service.