

2012-0171 2012-01-30

<b>GROUP</b>	<b>4</b>	<b>12</b>	<b>FUNGICIDES</b>
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**MAXIM<sup>®</sup> XL Seed Treatment Fungicide**

AGRICULTURAL

FOR TREATMENT OF CORN SEED BY COMMERCIAL SEED TREATERS ONLY

A seed treatment for the control of listed fungal diseases of field corn, sweet corn and popcorn.

**GUARANTEE:**

Fludioxonil.....	21%
Metalaxyl-M and S-isomer.....	8.4%

Contains 1,2-benzisothiazolin-3-one at 0.0135 % as a preservative.

SUSPENSION

**READ THE LABEL AND PAMPHLET BEFORE USING**REGISTRATION NUMBER: **27071**  
PEST CONTROL PRODUCTS ACTNET CONTENTS: **1 L to Bulk****Syngenta Canada Inc.**  
140 Research Lane, Research Park  
Guelph, Ontario  
N1G 4Z3  
Telephone: 1-877-964-3682

All seed treated with this product must be conspicuously coloured at the time of treatment.

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 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.

## TOXICOLOGICAL INFORMATION

NOTE TO PHYSICIAN: Treat symptomatically. Induce emesis or lavage stomach if a large amount of product has been ingested.

## PRECAUTIONS

**KEEP OUT OF REACH OF CHILDREN.** May be harmful if swallowed. Avoid inhalation of vapour, spray mist or treated seed dust. Wash hands and face after handling and before eating or smoking. Avoid contamination of feed and foodstuffs. Treated seed must not be used for food, feed or oil processing. Do not use in hopper-box, planter-box, slurry-box or other non-commercial seed treatment applications at, or immediately before, planting.

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. Treat seed in a well ventilated area. When handling MAXIM XL Seed Treatment Fungicide, contaminated equipment or seed treated with MAXIM XL Seed Treatment Fungicide, wear long-sleeved coveralls over normal work clothing, goggles or a face shield and chemical-resistant gloves. In addition, wear a suitable dust mask when

bagging or sewing bags of seed treated with MAXIM XL Seed Treatment Fungicide, or when transferring seed to a storage bin.

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.

All bags containing treated seed for sale or use in Canada must be labelled or tagged as follows: **"This seed has been treated with MAXIM XL Seed Treatment Fungicide containing fludioxonil and metalaxyl-M and S-isomerfungicides. Use chemical-resistant gloves when handling treated seed. Do not use for food, feed or oil purposes. Store away from feed and foodstuffs. Do not graze corn or cut for forage within 30 days of planting."**

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 web site at [www.croplife.ca](http://www.croplife.ca).

## **DECONTAMINATION AND 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.

### **CONTAINER DISPOSAL:**

#### **For 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).

#### **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 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.

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

Product names marked ® or ™ are registered trademarks of a Syngenta Group Company

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## **GENERAL INFORMATION**

MAXIM XL is a seed treatment fungicide which controls seed- and soil-borne diseases of field corn, sweet corn and popcorn. MAXIM XL Seed Treatment Fungicide is active against *Pythium*, *Rhizoctonia*, *Fusarium* (including seedling disease due to *F. graminearum*), and against weakly pathogenic fungi such as *Aspergillus* and *Penicillium*. When rate ranges are given, use the higher rate where conditions favour seed- or soil-borne pathogens.

**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 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 field corn, sweet corn and popcorn seed.

## **DIRECTIONS FOR USE**

### **MIXING INSTRUCTIONS:**

Apply MAXIM XL Seed Treatment Fungicide as a water-based slurry utilizing standard slurry seed treatment equipment which provides uniform seed coverage. Uneven or incomplete seed coverage may not give the desired level of disease control. Thoroughly mix the recommended amount of MAXIM XL Seed Treatment Fungicide into the required amount of water for the slurry treater and dilution rate to be used. Follow the manufacturer's application instructions for the seed treatment equipment being used. Maintain constant agitation of the slurry during the treatment. Allow the seed to dry before bagging. Seed treated with MAXIM XL Seed Treatment Fungicide may not flow through a seed drill at the same rate as untreated seed. Recalibrate the seed drill before planting treated seed.

**This product contains no colourant. An appropriate colourant must be added when this product is applied to seed. Regulations pertaining to the "Seeds Act" must be strictly adhered to when using this product. A red colourant must be added when this product is applied to grain.**

### **SWEET CORN, FIELD CORN, and POPCORN:**

For control of seed- and soil-borne fungi which cause seed decay, damping-off and seedling blights, apply 10.9 – 21.8 mL of MAXIM XL Seed Treatment Fungicide per 100 kg seed.

At the 10.9 mL use rate, the formulation delivers the equivalent 2.5 grams active ingredient of MAXIM<sup>®</sup> 480FS Colourless Seed Treatment Fungicide and 1 gram active ingredient of APRON XL<sup>®</sup> LS Seed Treatment Fungicide per 100 kg of seed (or 0.009 mg of active ingredients per kernel). The 21.8 mL rate delivers the equivalent of 5 grams of active ingredient of MAXIM 480FS Colourless Seed Treatment Fungicide and 2 grams active ingredient of APRON XL LS Seed Treatment Fungicide per 100 kg seed (or 0.018 mg of active ingredients per kernel).



## RESISTANCE MANAGEMENT RECOMMENDATIONS

For resistance management, please note that MAXIM XL Seed Treatment Fungicide contains both a Group 4 and a Group 12 fungicide. Any fungal population may contain individuals naturally resistant to MAXIM XL Seed Treatment Fungicide and other Group 4 or Group 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 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 MAX IM XL Seed Treatment Fungicide or other Group 4 and Group 12 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 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 and to report suspected resistance, contact Syngenta Canada Inc. representatives at 1-877-SYNGENTA (1-877-964-3682) or at [www.syngenta.ca](http://www.syngenta.ca)

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