

**GROUP 11 FUNGICIDE**

# HERITAGE™ MAXX Fungicide

COMMERCIAL

For controlling diseases in turf on golf courses and commercial turf farms

**GUARANTEE:**

Azoxystrobin ..... 95 g/L

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



**CAUTION: EYE AND SKIN IRRITANT**

REGISTRATION NO: **28393**  
PEST CONTROL PRODUCTS ACT

NET CONTENTS: **0.5 L - 37.8 L**

**Syngenta Crop Protection Canada, Inc.**  
140 Research Lane, Research Park  
Guelph, Ontario  
N1G 4Z3  
1-866-974-3682

**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:** have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center 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 a few minutes. Remove contact lenses, if any. Continue to rinse eyes for 10-15 minutes. Seek medical attention **IMMEDIATELY** if irritation persists or is severe.

**If on skin:** take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center 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 mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

## TOXICOLOGICAL INFORMATION

No specific symptoms of poisoning are known for this product. If ingested, nausea, vomiting, diarrhoea and abdominal pain may occur. Treat symptomatically.

## PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN. HARMFUL IF SWALLOWED. Causes moderate eye and/or skin irritation. Avoid contact with eyes, skin and clothing. Avoid breathing dust or spray mist. Wash with soap and water after handling, and before eating, drinking or smoking. Wash contaminated clothing, separately from household laundry, before re-use. Wear protective goggles or face shield as well as a protective apron when handling the concentrated product during mixing and loading. Do not wear contaminated shoes. Wear long-sleeved shirt and long pants, chemical-resistant gloves made of any waterproof material, shoes plus socks. Do not apply by air.

Do not re-enter treated turf during the restricted entry interval (REI) of 4 hours.

## **ENVIRONMENTAL HAZARDS**

TOXIC to aquatic organisms. Observe buffer zones specified under DIRECTIONS FOR USE.

**DO NOT** apply directly to freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs, ditches and wetlands), estuarine or marine habitats. **DO NOT** contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

Avoid application to areas where runoff is likely to occur. Runoff from treated areas into aquatic habitats may be hazardous to aquatic organisms. To reduce runoff from treated areas into aquatic habitats, consider the characteristics and conditions of the site before treatment. Site characteristics and conditions that may lead to runoff include, but are not limited to: heavy rainfall, moderate to steep slope, bare soil, poorly draining soil (e.g. soils that are compacted or fine textured, such as clay). Avoid application of this product when heavy rain is forecast. Contamination of aquatic areas as a result of runoff may be reduced by including a vegetative strip between the treated area and the edge of the water body.

The use of this chemical may result in contamination of groundwater, particularly in areas where soils are permeable (e.g. sandy soil) and/or the depth to the water table is shallow.

## **STORAGE**

Keep in original container, tightly closed, during storage. Store in a cool, dry, well ventilated area away from feed and foodstuffs, and out of the reach of children and animals. Keep away from fire or open flame, or other sources of heat.

## **SPILL CLEANUP**

Wear appropriate protective equipment (gloves, glasses, apron) when attempting to clean up the spill. Sweep up spilled product with a broom and shovel into tightly closable container. If on a floor or hard surface, wash the surface or floor with detergent and water, then rinse. If on soil, collect contaminated surface soil with the product. If the product is clean, it may be used; otherwise follow the DISPOSAL instructions.

## **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 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)***

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™ Heritage MAX is a trademark of a A.E. MacKenzie Co. Inc. licensed to a Syngenta Group Company

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**PAMPHLET**

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**IN CASE OF EMERGENCY INVOLVING A MAJOR SPILL, FIRE OR POISONING  
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## PRODUCT INFORMATION

Heritage MAXX Fungicide is a broad spectrum, preventative fungicide with systemic and curative properties recommended for the control of many diseases on turf. Heritage MAXX Fungicide may be applied as a foliar spray as part of an integrated disease management strategy for turf on golf courses and commercial turf farms. Cultural practices such as appropriate choice of turf variety, nutrient management, proper cutting height, thatch management, and proper watering, drainage, and moisture stress management, should be integrated with the use of fungicides to increase turf vigour and reduce susceptibility to disease. Consult local agricultural and turf authorities in your area for guidance.

**CAUTION:** Heritage MAXX Fungicide has been shown to be extremely phytotoxic to certain apple and crabapple varieties. Heritage MAXX Fungicide should not be applied where there is the possibility of spray drift reaching apple and crabapple trees. **DO NOT** use sprayers used to apply Heritage MAXX Fungicide to spray apples or crabapples.

DO NOT apply Heritage MAXX Fungicide through irrigation equipment.

DO NOT apply Heritage MAXX Fungicide by air.

DO NOT graze or feed clippings from the treated area to livestock.

DO NOT apply Heritage MAXX with silicone-based wetting agents due to possible phytotoxicity.

## DIRECTIONS FOR USE

**TURF: Golf Courses, Commercial Turf Farms** - For control of *Pythium* blight, **Brown Patch**, *Fusarium* Patch, **Grey Snow Mould**, **Pink Snow Mould**, **Anthracnose**, **Fairy Ring**, **Leaf Spots** **Melting-Out** and **Summer Patch**. Refer to the following table to determine the appropriate use rate and application interval by target disease.

**Do not apply more than 28.4 L of Heritage MAXX Fungicide per hectare per year.**



Target Disease	Product Rate		Application Interval (days)	Remarks
	L/ hectare	mL/ 100 m <sup>2</sup>		
<i>Pythium aphanidermatum</i> ( <i>Pythium</i> blight)	6.3	63	10 - 14	Begin application before disease is present (usually late May or June) when environmental conditions favour disease development, i.e., relative humidity greater than 90% for at least 9 hours, maximum daily temperature of 27.7°C and low temperature of 20°C.
<i>Rhizoctonia solani</i> (Brown Patch)	3.2	32	14 - 28	Begin application before disease is present (usually late May or June) when conditions favour disease development (high surface moisture or humidity and warm night temperatures). During prolonged periods of favourable conditions apply on the shorter application interval.
<i>Microdochium nivale</i> ( <i>Fusarium</i> Patch)	3.2	32	14 - 28	Apply when conditions are favourable for disease development, i.e., extended period of cool (<15.5°C) and wet weather in spring and fall.
<i>Typhula incarnata</i> (Grey Snow Mould) and <i>Microdochium nivale</i> (Pink Snow Mould)	9.5 – 12.6	95 - 126	1 fall application	Apply in late fall before snow cover. Do not apply on top of snow. Use the higher rate if there is a history of severe snow mould infection on the site.
<i>Colletotrichum graminicola</i> , (Anthracnose)	3.2 – 6.3	32 – 63	14-28	Use preventatively. Begin applications when conditions are favorable for disease infection, prior to disease symptom development.
<i>Basidiomycete</i> , including <i>Lycoperdon</i> spp. (Fairy Ring)	6.3	63	28	Apply as soon as possible after fairy ring symptoms develop. Severely damaged or thin turf may require reseeded. Fairy ring symptoms may take 2 to 3 weeks to disappear following application.
<i>Bipolaris sorokiniana</i> , <i>Drechslera poae</i> ( Leaf Spots and Melting-Out)	3.2 – 6.3	32 – 63	14-28	Initiate applications when conditions are favourable for disease development. Apply lower rate at 14-day intervals or higher rates at 28-day intervals.
<i>Magnaporthe poae</i> (Summer Patch)	3.2 - 6.3	32 - 63	14 - 28	Initiate applications when conditions are favourable for disease development. Apply the lower rate at 14-day intervals or the higher rate at 28-day intervals.

**Note:** Heritage MAXX Fungicide alone does not control **Dollar Spot**. For Dollar Spot control please refer to the tank mix recommendations below.

<b>Dollar Spot - TANK MIX ONLY</b>	<p>Heritage MAXX Fungicide alone does not control Dollar Spot. To control Dollar Spot, Heritage MAXX Fungicide must be tank mixed with either Banner MAXX Fungicide at 26-51 ml/100m<sup>2</sup> or DACTONIL 2787 Flowable Fungicide at 190 ml/100m<sup>2</sup>.</p> <p>Read the label of Banner MAXX Fungicide or DACTONIL 2787 Flowable Fungicide and follow the precautionary statements, directions for use (rates, diseases controlled and application intervals) and other restrictions.</p>
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**Application Directions:** Apply the required amount of Heritage MAXX Fungicide in 8 to 16 litres of water per 100 m<sup>2</sup> (800 to 1600 litres per hectare). Repeat applications at specified intervals and do not apply more than 28.4 L of Heritage MAXX Fungicide per hectare per year. Use the shorter specified application interval when prolonged favourable disease conditions exist. (Refer to Resistance Management section).

Apply by ground sprayer only. **DO NOT APPLY BY AIR.**

**Ground application** - Heritage MAXX Fungicide may be applied with all types of spray equipment commonly used for making ground applications. Apply Heritage MAXX Fungicide in sufficient water volume for adequate coverage and canopy penetration. Do not apply Heritage MAXX Fungicide through any type of ultra-low volume (ULV) spray system (less than 30 litres per hectare). Proper adjustments and calibration of spraying equipment, to give good canopy penetration and coverage, is essential for good disease control. The higher rates, in the rate range and/or shorter spray intervals, may be required under conditions of heavy infection pressure, highly susceptible varieties, or when disease conducive environmental conditions exist.

**DO NOT** apply during periods of dead calm. Avoid application of this product when winds are gusty. **DO NOT** apply with spray droplets smaller than the American Society of Agricultural Engineers (ASAE) medium classification.

**DO NOT** apply directly to freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs, ditches and wetlands), estuarine or marine habitats. **DO NOT** contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

**Buffer zones:**

The buffer zones specified in the table below are required between the point of direct application and the closest downwind edge of sensitive freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs and wetlands) and estuarine/marine habitats.

Method of application	Crop	Buffer Zones (metres) Required for the Protection of:		
		Freshwater and Estuarine/Marine Habitats of Depths:		
		Less than 1 m	1 - 3 m	Greater than 3 m
Ground Sprayer	Turf	2	1	0

When a tank mixture is used, consult the labels of the tank-mix partners and observe the largest (most restrictive) buffer zone of the products involved in the tank mixture.

### **HERITAGE MAXX Fungicide Only**

**Mixing Instructions:** To prepare spray solution, partially fill the spray tank with clean water and begin agitation. Add the specified amount of Heritage MAXX Fungicide to the tank, allowing time for good dispersion. Finish filling the tank to the desired volume to obtain the proper spray concentration. Maintain agitation throughout the spraying operation. Do not allow spray mixture to stand overnight or for prolonged periods. Make up only the amount of spray required for immediate use. Sprayers should be thoroughly cleaned immediately after application. Do not use silicone-based products with Heritage MAXX Fungicide due to possible phytotoxicity.

**Mixing and Application Guidance:** Refer to the following table for assistance in calculating product requirements based on target application spray volume, and size of mix load.

Amount of Heritage MAXX Fungicide (millilitres) required for each **100 litres** of spray solution at selected rates and target application volumes:

Rate of Heritage MAXX Fungicide (mL/100 m <sup>2</sup> )	Target Application Volume (litres/100 m <sup>2</sup> )		
	8	12	16
32	400	266.7	200
63	787.5	525	393.8
95	1187.5	791.7	593.8
126	1575	1050	787.5
Rate of Heritage MAXX Fungicide (L /ha)	Target Application Volume (litres/ha)		
	800	1200	1600
3.2	400	266.7	200
6.3	787.5	525	393.8
9.5	1187.5	791.7	593.8
12.6	1575	1050	787.5

### **Examples:**

1) If the intended rate of application is 32 millilitres per 100 m<sup>2</sup>, and the sprayer is calibrated to deliver 12 litres per 100 m<sup>2</sup>, a 100 litre batch size would require 266.7 millilitres of Heritage MAXX Fungicide.

2) If the intended rate of application is 6.3 litres per hectare, and the sprayer is calibrated to deliver 800 litres per hectare, each 100 litres of spray solution would require 787.5 millilitres of Heritage MAXX Fungicide.

**Tank Mixtures - Pesticides:**

For Dollar Spot control, Heritage MAXX Fungicide can be tank mixed with Banner MAXX<sup>®</sup> Fungicide or DICONIL<sup>®</sup> 2787 Flowable Fungicide or Subdue<sup>®</sup> MAXX Fungicide. Heritage MAXX Fungicide can also be tank mixed with Primo MAXX<sup>®</sup> Turf Growth Regulator. Read the Banner MAXX Fungicide, DICONIL 2787 Flowable Fungicide, Subdue MAXX Fungicide and Primo MAXX Turf Growth Regulator label(s) and follow the precautionary statements, directions for use (rates, diseases controlled and application intervals) and other restrictions.

1. Always check the compatibility of the tank mix using a jar test with proportionate amounts of Heritage MAXX Fungicide, Banner MAXX Fungicide, DICONIL 2787 Flowable Fungicide, Subdue MAXX Fungicide and Primo MAXX Turf Growth Regulator or other chemicals to be used, and the water, before mixing in the spray tank.
2. Provide sufficient jet or mechanical agitation during filling and application to keep the tank mix uniformly suspended.
3. Fill tank at least 1/2 full of clean water.
4. If using Banner MAXX Fungicide or Subdue MAXX Fungicide or Primo MAXX Turf Growth Regulator as a tank mix partner, add Banner MAXX Fungicide or Subdue MAXX Fungicide and Heritage MAXX Fungicide first then add Primo MAXX Turf Growth Regulator next.
5. If using DICONIL 2787 Flowable Fungicide as a tank mix partner, add Heritage MAXX Fungicide first then DICONIL 2787 Flowable Fungicide next.
6. Do not leave tank mix combinations in the spray tank for prolonged periods without agitation. Mix and apply them the same day.

**RESISTANCE MANAGEMENT RECOMMENDATIONS**

For resistance management, please note that Heritage MAXX Fungicide contains a Group 11 fungicide. Any fungal population may contain individuals naturally resistant to Heritage MAXX Fungicide and other Group 11 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:**

Heritage MAX Fungicide should be applied in an alternation program with other registered fungicides that have a different mode of action, and to which pathogen resistance has not developed.

DO NOT apply more than two (2) applications before applying one (1) application of a fungicide of a different group with a different mode of action.

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 in your area.

For further information or to report suspected resistance, contact company representatives at 1-87-SYNGENTA (1-866-974-3682) or at [www.syngenta.ca](http://www.syngenta.ca).

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