UNITED STATES	U.S. ENVIRONMENTAL PROTECTION AGENCY	EPA Reg. Number:	Date of Issuance:				
TO NEED	Office of Pesticide Programs Registration Division (7505P) 1200 Pennsylvania Ave., N.W. Washington, D.C. 20460	100-1323	NOV 2 1 200				
	NOTICE OF PESTICIDE: <u>X</u> Registration <u>Reregistration</u>	Term of Issuance: Conditional	· .				
(under FIFRA, as amend	led)	Name of Pesticide Pro Heritage® G	Name of Pesticide Product: Heritage® G				
Name and Address of I	Registrant (include ZIP Code):						
Syngenta Crop I P.O. Box 18300 Greensboro, No							
Note: Changes in labeli	ng differing in substance from that accepted in connection with thi ior to use of the label in commerce. In any correspondence on this						
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Page 2 EPA Reg. No. 100-1323

b. Change the claim "Broad spectrum fungicide for control of plant diseases." under the product name on the first page to indicate that the product is only for use on turf.

c. Add a statement to the label that the product is not for use by home owners.

d. On page 3, first paragragh, place text inside of box with "USER REQUIREMENTS" heading.

e. On page 6 add a statement after the "AGRICULTURAL USES" title to indicate what uses are covered by this section (for example, "commercial turf farms"). In addition, please delete the first bullet "Coveralls" and replace text with "Long sleeved shirt and Long pant."

f. Please update the Storage and Disposal statement in accordance with PR 2007-4 via notification or amendment within 60 days.

3. Submit one copy of the revised final printed label for the Agency's records before you release the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation, in accordance with FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

Heritage® G	
Fungicide	Group 11 Fungicide
Broad spectrum fungicide for control of plant diseases.	·
Active Ingredient Azoxystrobin: methyl(E)-2-{2-[6-(2-cyanophenoxy) pyrimidin-4-yloxy]phenyl}-3-methoxyacrylate*	
Other Ingredients:	99.69%
Total:	100.00%
Contains 0.0031 lb. a.i./lb. product	
*IUPAC	ACCEPTED
EPA Reg. No. 100-XXXX	with COMMENTS In EPA Letter Dated
	NOV 2 1 2008
EPA Est.	Under the Federal Insecticide, Fundicide, and Rodenticide Act as amended, for the posticide
KEEP OUT OF REACH OF CHILDREN.	registered under EPA Reg. No.

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CAUTION

See additional precautionary statements and directions for use inside booklet.

20 lbs. 25 lbs. 30 lbs.	
35 lbs.	
40 lbs.	
45 lbs.	
50 lbs.	
lbs.	
Net Weight	
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	FIRST AID					
If swallowed	 Call poison control center 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 the poison control center or doctor. 					
	 Do not give anything by mouth to an unconscious person. 					
If on skin or	Take off contaminated clothing.					
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 by mouth-to-mouth, if possible. 					
	Call a poison control center or doctor for 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 center or doctor for treatment advice. 					
Have the product	container or label with you when calling a poison control center or					
doctor, or going for treatment.						
HOT LINE NUMBER						
For 24 Hour Medical Emergency Assistance (Human or Animal) or						
Chemical Emergency Assistance (Spill, Leak, Fire, or Accident),						
	Call 1-800-888-8372					

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION

Harmful if swallowed. Harmful if absorbed through skin. Harmful if inhaled. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco.

Personal Protective Equipment (PPE)

Some materials that are chemically resistant to this product are listed below. If you want more options follow the instructions for Category A on an EPA chemical resistance category selection chart.

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves made of any waterproof material such as polyvinyl chloride, nitrile rubber or butyl rubber
- Shoes plus socks

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

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides (40 CFR 170.240 (d)(4-6), the handler PPE requirements may be reduced or modified as specified in the WPS.

User Safety Recommendations

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Wash thoroughly with soap and water after handling.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves
- before removing. As soon as possible, wash thoroughly and change into clean clothing.

Environmental Hazards

The active ingredient, azoxystrobin, in this product can be persistent for several months or longer. Azoxystrobin has degradation products which have properties similar to chemicals which are known to leach through soil to ground water under certain conditions as a result of agricultural use. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in ground water contamination.

This pesticide is toxic to freshwater and estuarine/marine fish and aquatic invertebrates. Do not apply directly to water except as specified on this label. For terrestrial uses do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high-water mark. Drift and runoff may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwater or rinsate.

Notify state and/or federal authorities and Syngenta immediately if you observe any adverse environmental effects due to use of this product.

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CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

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The Directions for Use of this product must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, presence of other materials or other influencing factors in the use of the product, which are beyond the control of SYNGENTA CROP PROTECTION, Inc. or Seller. To the extent permitted by applicable law, Buyer and User agree to hold SYNGENTA and Seller harmless for any claims relating to such factors.

SYNGENTA warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. To the extent permitted by applicable law: (1) this warranty does not extend to the use of this product contrary to label instructions or under conditions not reasonably foreseeable to or beyond the control of Seller or SYNGENTA, and (2) Buyer and User assume the risk of any such use. To the extent permitted by applicable law, SYNGENTA MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS WARRANTED BY THIS LABEL.

To the extent permitted by applicable law, in no event shall SYNGENTA be liable for any incidental, consequential or special damages resulting from the use or handling of this product. TO THE EXTENT PERMITTED BY APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF SYNGENTA AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF SYNGENTA OR SELLER, THE REPLACEMENT OF THE PRODUCT.

SYNGENTA and Seller offer this product, and Buyer and User accept it, subject to the foregoing Conditions of Sale and Limitation of Warranty and Liability, which may not be modified except by written agreement signed by a duly authorized representative of SYNGENTA.

DIRECTIONS FOR USE

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It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

FAILURE TO FOLLOW THE USE DIRECTIONS AND PRECAUTIONS ON THIS LABEL MAY RESULT IN PLANT INJURY OR POOR DISEASE CONTROL.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USES

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), notification to workers, and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 4 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil or water is:

- Coveralls
- Chemical-resistant gloves made of any waterproof material such as polyvinyl chloride, nitrile rubber or butyl rubber
- Shoes plus socks

NON-AGRICULTURAL USES

For use to control diseases on turf on golf courses, lawns and landscape areas around residential, institutional, public, commercial and industrial buildings, parks, recreational areas and athletic fields.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses. The area being treated must be vacated by unprotected persons.

Do not treat areas while unprotected humans or domestic animals are present in the treatment areas. Because certain states may require more restrictive reentry intervals, consult your State Department of Agriculture for further information.

Do not allow entry into treatment area until area that was treated with Heritage G is dry.

GENERAL INFORMATION

Heritage G is a broad-spectrum, preventative fungicide with systemic and curative properties recommended for the control of many important plant diseases. All applications should be made according to the use directions that follow.

GENERAL USE PRECAUTIONS

Do not graze or feed clippings from treated turf areas to animals. Do not plant the following crops for a period of 12 months (unless an azoxystrobin product is registered for use on that crop): sorghum, barley, buckwheat, millet, oats, rye, wild rice, non-grass animal feeds (alfalfa, clover), sugarcane, triticale and wheat. A plantback interval (PBI) of 36 days is required for leafy vegetables (except Brassica) group; Brassica, leafy greens subgroup; vegetables, root subgroup; vegetable (tuberous and corm) subgroup; and vegetables, leaves of root and tuber group. Azoxystrobin is registered for use on all other crops may be planted immediately after the last treatment.

ATTENTION

Heritage G is extremely phytotoxic to certain apple varieties.

Extreme care must be used to prevent injury to apple trees (and apple fruit).

DO NOT spread Heritage G where granules may reach apple trees.

DO NOT use spreader equipment which has been previously used to apply Heritage G to apple trees. Even trace amounts can cause unacceptable phytotoxicity:

Do not apply when weather conditions favor product blowing from treated areas to nontarget aquatic habitat.

Integrated Pest (Disease) Management

Heritage G should be integrated into an overall disease and pest management strategy whenever the use of a fungicide is required. Cultural practices known to reduce disease development should be followed. The DIRECTIONS FOR USE section in this label identifies specific IPM recommendations for each crop. Consult your local agricultural, turf authorities for additional IPM strategies established for your area. Heritage G may be used in State Agricultural Extension advisory (disease forecasting) programs which recommend application timing based on environmental factors favorable for disease development.

RESISTANCE MANAGEMENT

Group **11** Fungicide

Heritage G (azoxystrobin) is a Group 11 fungicide. The mode of action for Heritage G is the inhibition of the Qo (quinone outside) site within the electron transport system as well as disruption of membrane synthesis by blocking demethylation [Group 11]. Fungal pathogens can develop resistance to products with the same mode of action when used repeatedly. Because resistance development cannot be predicted, use of this product should conform to resistance management strategies established for the crop and use area. Consult your local or State agricultural authorities for resistance management strategies that are complementary to those in this label. Resistance management strategies may include alternating with products having different modes of action or limiting the total number of applications per season. Syngenta Crop Protection encourages responsible resistance management to ensure effective long-term control of the fungal diseases on this label.

Follow the crop specific resistance management recommendations in the directions for use.

If no resistance recommendation on the number of applications is specified in the directions for use, follow the recommendations in the table below.

If planned total number of fungicide applications per crop is:	1	2	3	4	5	6	7	8	9	10	11	12
Recommended Solo Qol fungicide applications	1	1	2	2	2	2	2	3	3	3	3	4
Recommended Qol fungicide applications in mixture (formulated)	1	2	2	2	2	3	3	4	4	5	5	6

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In situations requiring multiple applications, develop season-long programs for Group 11 (QoI) fungicides. In crops where two sequential Group 11 fungicide applications are made, they should be alternated with two or more applications of a fungicide that is not in Group 11. If more than 12 applications are made, observe the following guidelines:

- When using a QoI fungicide as a solo product, the number of applications should be no more than ½ (33%) of the total number of fungicide applications per season.
- For QoI mixes in programs in which tank mixes or premixes of QoI with mixing partners of a different mode of action are utilized, the number of QoI containing applications should be no more than ½ (50%) of the total number of fungicide applications per season.
- In programs in which applications of QoI are made with both solo products and mixtures, the number of QoI containing applications should be no more than ¹/₂ (50%) of the total number of fungicides applied per season.

If a Group 11 fungicide is applied to the seed or soil, do not make another application with a Group 11 fungicide for at least 3 weeks.

Application

Heritage G may be applied with all types of spreader equipment commonly used for making ground applications. Proper adjustments and calibration of application equipment to give good coverage is essential for good disease control. The higher rates in the rate range and/or shorter application intervals may be required under conditions of heavy infection pressure, highly susceptible varieties, or when environmental conditions conducive to disease exist.

ATTENTION .

APPLICATION INSTRUCTIONS

Apply Heritage G Fungicide at rates and timings as described in this label.

Turf

Heritage G is recommended for control of anthracnose, brown patch, brown ring patch, cool weather brown patch (yellow patch), fairy ring, gray leaf spot, gray snow mold (Typhula blight), leaf rust, leaf spot, melting out, Microdochium patch, necrotic ring spot, pink patch, pink snow mold, powdery mildew, Pythium blight, Pythium root rot, red thread, Rhizoctonia large patch, Rhizoctonia leaf and sheath blight, southern blight, stem rust, stripe rust, summer patch, take-all patch, and Zoysia patch on golf courses, lawns and landscape areas around residential, institutional, public, commercial and industrial buildings, parks, recreational areas and athletic fields.

Integrated Pest (Disease) Management (IPM): Sound turf management resulting in healthy, vigorous turf is the foundation of a good IPM program. Cultural practices such as proper 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 vigor and reduce the susceptibility to disease. Immunoassay detection kits and extension service diagnostic services can assist in the early and accurate identification of causal organisms and corresponding selection of the proper fungicide when required.

Resistance Management: Some turf disease pathogens are known to have developed resistance to products used repeatedly for their control. Heritage G 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 sequential Heritage G applications for *Pythium* spp. control. For all other diseases when *Pythium* spp. is not present, do not apply more than four sequential applications of Heritage G.

Application Directions: Heritage G should be applied prior to disease development. Do not apply more than 1,613 lbs. product/acre/year (37 lbs. product/1000 square feet/year). Applications may be made by ground only.

For use in the establishment of turfgrass from seed or in overseeding of dormant turfgrass:

Heritage G may be used for control of certain turfgrass diseases associated with turfgrass establishment from seed. Heritage G may also be used during overseeding of dormant turfgrass.

Heritage G may be safely applied before or after seeding or at seedling germination and emergence to ryegrass, bentgrass, bluegrass, and fescue turfgrass types. Optimum application timing is during seeding. See Application Directions section.

Rate Ranges: Use the shorter specified application interval and/or use the higher specified rate when prolonged favorable disease conditions exist.

Target Diseases	Use Rate (Ib. product per 1000 sq. ft.)	Application Interval (days)	Remarks*
Anthracnose (Colletotrichum cereale)	2-4	14-28	Use preventively. Begin applications when conditions are favorable for disease infection, prior to disease symptom development. Under high disease pressure, use higher rates of Heritage and shorter intervals. Alternate with a contact fungicide such as Daconil®.
Brown Patch (Rhizoctonia solani)	2-4	14-28	Apply when conditions are favorable for disease development.
Cool Weather Brown Patch Yellow Patch (Rhizoctonia cerealis)	2-4	14-28	Make one or two applications in fall or when conditions are favorable for disease development.
Fairy Ring (Lycoperdon spp., Agrocybe pediades, and Bovistra plumbea)	2-4	14-28	Apply as soon as possible after fairy ring symptoms develop. Irrigate with at least 0.5 inches water within 24 hours after application if rainfall is not expected. Severely damaged or thin turf may require reseeding. Fairy ring symptoms may take 2 to 3 weeks to disappear following application. Reapplication after 14-28 days may be required in some cases.
Microdochium Patch (formerly known as Fusarium Patch) (Microdochium nivale)	2-4	14-28	Use preventatively. Begin applications when conditions are favorable for disease infection, prior to disease symptom development.
Gray Leaf Spot (Pyricularia grisea)	2-4	14-28	Begin applications before disease is present and continue applications while conditions are favorable for disease development.
Gray Snow Mold Typhula blight	7	single application	Make a single application of 7 lbs. or two applications of 4 lbs. spaced 10-28 days apart in
(Typhula incarnata)	4	10-28	late fall just before snow cover. Alternating with another snow mold fungicide, such as Daconil, Medallion®, or Banner MAXX® may enhance control under severe disease pressure.
Leaf Rust Stem Rust Stripe Rust (<i>Puccinia</i> spp.)	2-4	14-28	Begin applications when conditions are favorable for disease infection, prior to disease symptom development.
Leaf spot (Bipolaris sorokiniana)	2-4	14-21	Apply when conditions are favorable for disease development.
Melting Out (Drechslera poae)	2-4	14-21	Apply when conditions are favorable for disease development
Necrotic Ring Spot (Leptosphaeria korrae)	2-4	14-28	Apply when conditions are favorable for disease development.
Pink Patch (Limonomyses roseipellis)	2-4	14-28	Apply when conditions are favorable for disease development.
Pink Snow Mold (Microdochium nivale)	. 7	single application	Make a single application of 7 lbs. or two applications of 4 lbs. spaced 10-28 days apart in
	4	10-28	late fall just before snow cover. Tank mixing with another snow mold fungicide, such as Daconil or Banner MAXX may enhance control under severe disease pressure.
Powdery Mildew (Erysiphe graminis)	2-4	14-28	Begin applications when conditions are favorable for disease infection, prior to disease symptom development.
Pythium Blight Pythium Root Rot (Pythium aphanidermatum, Pythium spp.)	2-4	10-14	Use preventatively. Begin applications before disease is present. During periods of prolonged favorable conditions, treat on the 10 day application interval. For use on newly seeded as well as established turf.
Red Thread (Laetisaria fuciformis)	2-4	14-28	Apply when conditions are favorable for disease development.
Rhizoctonia Large Patch (Rhizoctonia solani)	2-4	14-28	Make one or two applications in fall or when conditions are favorable for disease development.

DIRECTIONS FOR APPLICATION FOR TURF DISEASES

Target Diseases	Use Rate (Ib. product per 1000 sq. ft.)	Application Interval (days)	Remarks*
Southern Blight (Sclerotium rolfsii)	2-4	14-28	Apply when conditions are favorable for disease development.
Summer Patch (Magnaporthe poae)	2-4	14-28	Apply when conditions are favorable for disease development.
Take-all patch (Gaeumannomyces graminis var. avenae)	2-4	28	Begin applications when conditions are favorable for disease infection, prior to disease symptom development. Make two applications 28 days apart in the spring and two applications 28 days apart in the fall.
Rhizoctonia Large Patch Zoysia Patch (Rhizoctonia solani and/or Gaeumannomyces incrustana)	2-4	14-28	Apply 1 or 2 applications when conditions are favorable for disease development. Reapply 14 to 28 days later.
Brown ring patch (Rhizoctonia circinata var. circinata)	2-4	14-28	Apply when conditions are favorable for disease development.
Rhizoctonia leaf and sheath blight (Rhizoctonia zeae)	2-4	14-28	Apply when conditions are favorable for infection such as sequential days with temperatures at or above 90°F. Curative control may require several applications. Irrigate lightly after application to activate

*Do not apply more than two sequential applications of Heritage G for control of *Pythium* spp. For all other diseases when *Pythium* spp. is not present, do not apply more than three sequential applications of Heritage G.

Pounds Product Per 1000 Sq. Ft.	Pounds A.I. Per 1000 Sq. Ft.	Pounds Product Per Acre	Pounds A.I. Per Acre
2	0.0062	87	0.27
3	0.0093	131	0.40
4	0.0124	174	0.54
7	0.0217	305	0.95

Heritage G Rate Conversion Chart for Turf

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

Pesticide Storage

Store in a cool, dry place. Do not store near seeds, fertilizers, or foodstuffs.

Pesticide Disposal

Pesticide wastes are toxic. Improper disposal of excess pesticides, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

For minor spills, leaks, etc., follow all precautions indicated on this label and clean up immediately. Take special care to avoid contamination of equipment and facilities during cleanup procedures and disposal of wastes. In the event of a major spill, fire, or other emergency, call 1-800-888-8372, day or night.

Container Disposal

Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

CONTAINER IS NOT SAFE FOR FOOD, FEED, OR DRINKING WATER!

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