

100-1216

11-23-2009

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Ms Pat Dinnen
Syngenta Crop Protection
P.O. BOX 18300
Greensboro, NC 27419

NOV 23 2009

Subject: Label Notification(s) for Pesticide Registration Notice 2007-4

Dear Registrant:

The Agency is in receipt of your Application(s) for Pesticide Notification under Pesticide Registration Notice (PRN) 2007-4 dated September 17, 2009 for:

EPA Registration 100-1216

Banner Heritage MAXX™

The Registration Division (RD) has conducted a review of this request for applicability under PRN 2007-4 and finds that the label change(s) requested falls within the scope of PRN-2007-4. The label has been date-stamped "Notification" and will be placed in our records.

Please be reminded that 40 CFR Part 156.140(a)(4) requires that a batch code, lot number, or other code identifying the batch of the pesticide distributed and sold be placed on nonrefillable containers. The code may appear either on the label (and can be added by non-notification/PR Notice 98-10) or durably marked on the container itself.

If you have any questions, please contact me directly at 703-305-6249 or Banza Djapao of my staff at 703-305-7269.

Sincerely,

A handwritten signature in black ink, appearing to read "Linda Arrington".

Linda Arrington
Notifications & Minor Formulations Team Leader
Registration Division (7505P)
Office of Pesticide Programs

<p style="margin: 0;">United States Environmental Protection Agency Washington, DC 20460</p>	<input type="checkbox"/> Registration <input type="checkbox"/> Amendment <input checked="" type="checkbox"/> Other	OPP Identifier Number <hr/> Notification
	Application for Pesticide - Section I	
	1. Company/Product Number 100-1216	

4. Company/Product (Name) Banner Heritage Maxx	2. EPA Product Manager Tony Kish 3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
5. Name and Address of Applicant (Include ZIP Code) Syngenta Crop Protection, Inc. P. O. Box 18300 Greensboro, NC 27419 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____	NOTIFICATION NOV 23 2009
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.	
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.	

Explanation: Use additional page(s) if necessary. (For Section I and Section II.).

Notification of label change per PR Notice 2007-4. This Notification is consistent with the guidance of PR Notice 2007-4 and the requirements of EPA's regulations at 40 CFR §§156.10, 156.140, 156.144, 156.146, and 156.156. No other changes have been made to the labeling or the Confidential Statement of Formula for this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if the amended label is not consistent with the requirements of 40 CFR §§156.10, 156.140, 156.144, 156.146, and 156.156, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Syngenta is amending the Storage and Disposal section of the label by Notification according to the directions stated in PR Notice 2007-4.

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes* <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			<input type="checkbox"/> Metal <input checked="" type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____
*Certification must be submitted		If "Yes" Unit Packaging wgt. No. per Container	If "Yes" Unit Packaging wgt. No. per container		
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container 1 gal. and 10 gal.		5. Location of Label Directions <input checked="" type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input checked="" type="checkbox"/> Other <u>Pressure Sensitive</u> <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled					

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Pat Dinnen	Title Label Group Leader	Telephone No. (Include Area Code) 336-632-2494
I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamped)
2. Signature <i>Pat Dinnen</i>	3. Title Regulatory Specialist	
4. Typed Name Pat Dinnen	5. Date September 17, 2009	

Certification with Respect to Label Integrity

Version: 9/11/02

I certify that the information (including, but not limited to, text, tables, and graphics) contained in the electronic file identified below by file name and submitted with this certification is the same information as that on the paper copies of these documents included with this submission.

PROPOSED LABEL		
EPA Registration #	Date Submitted to EPA	Electronic file name
100-1216	9/17/2009	000100-01216.20090916.BAN-HER-MAXX_PRN2007-4_SEP2009.pdf

I certify that the statements that I have made on this form are true, accurate, and complete. I acknowledge that any knowingly false or misleading statements may be punishable by fine or imprisonment or both under applicable law.

Pat Dinnen

Signature

September 17, 2009

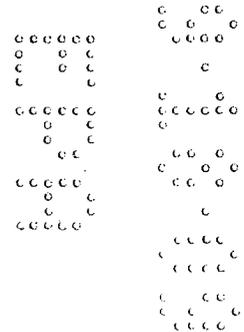
Date

Pat Dinnen

Name (typed)

Label Group Leader

Title



GROUP 3 11 FUNGICIDES

**Banner Heritage MAXX™
Fungicide**

Broad-spectrum fungicide for control of turf diseases

NOTIFICATION

NOV 23 2009

Active Ingredients:

Azoxystrobin: methyl (E)-2-{2-[6-(2-cyanophenoxy)pyrimidin-4-yloxy]phenyl}-3-methoxyacrylate*	5.73%
Propiconazole: (CAS No. 60207-90-1)	9.54%
Other Ingredients:	84.72%
Total:	100.00%

Contains 0.868 lb ai propiconazole and 0.521 lb ai azoxystrobin per gallon.

*IUPAC

KEEP OUT OF REACH OF CHILDREN.

CAUTION

See additional precautionary statements and directions for use inside booklet.

Reformulation is prohibited. See individual container labels for repackaging limitations.

Chemigation

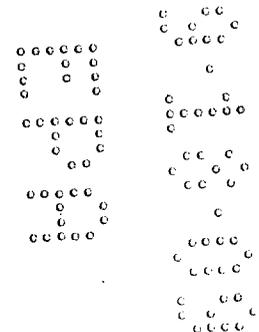
Do not apply this product through any irrigation/chemigation system.

EPA Reg. No. 100-1216

EPA Est. 39578-TX-1

1 gallon
Net Contents

10 gallons
Net Contents



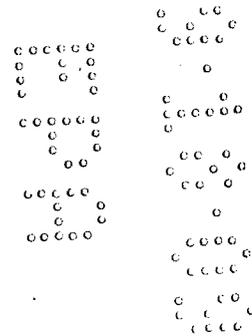
FIRST AID	
If in eyes	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
If swallowed	<ul style="list-style-type: none"> • Call a 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 clothing	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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 further treatment advice.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
<p>HOTLINE NUMBER For 24 Hour Medical Emergency Assistance (Human or Animal) or Chemical Emergency Assistance (Spill, Leak, Fire, or Accident), Call 1-800-888-8372</p>	

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION

HARMFUL IF SWALLOWED. Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling.



Personal Protective Equipment (PPE)

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

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

User Safety Recommendations

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- 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

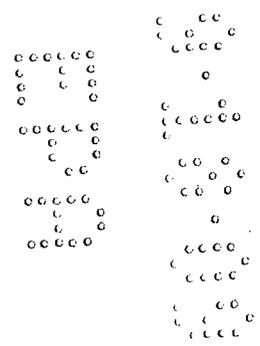
Azoxystrobin, can be persistent for several months or longer. Azoxystrobin has degradation products which have properties similar to chemicals which are known to leach through soil to ground water under certain conditions as a result of agricultural use. Use of this chemical in areas where soils are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

Azoxystrobin and propiconazole are toxic to freshwater and estuarine/marine fish; and azoxystrobin is toxic to aquatic invertebrates. Do not apply directly to water. 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.

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National

Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.



CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

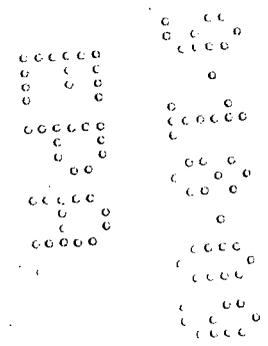
NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

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. Plant injury, ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather or turf conditions, 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, All such risks shall be assumed by Buyer and User, and 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 abnormal conditions 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 LABELSTATED ABOVE.**

To the extent permitted by applicable law, in no event shall SYNGENTA or Seller shall not 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

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

For use to control diseases on turf on (Sod Farms)

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. Exception: if product is soil injected or soil incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 24 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
- Protective eyewear (goggles, face shield or safety glasses)

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 Banner Heritage MAXX™ is dry.

GENERAL INFORMATION

Banner Heritage MAXX is a combination of two broad spectrum, preventative fungicides with systemic properties recommended for the control of many important turfgrass diseases. Banner Heritage MAXX may be applied as a foliar spray in alternating spray programs or in tank mixes with other registered, turf protection products. All applications must 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 apply Banner Heritage MAXX to turf by air.

Banner Heritage MAXX has demonstrated some phytotoxic effects when mixed with products that are formulated as EC's. These effects are enhanced if applications are made under cool, cloudy conditions and these conditions remain for several days following application. In addition, adjuvants that contain some form of silicone have also contributed to phytotoxicity.

INTEGRATED PEST (DISEASE) MANAGEMENT

Banner Heritage MAXX 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 **SPECIFIC USE DIRECTIONS** section in this label identifies specific IPM recommendations. Consult your local turf authority for additional IPM strategies established for your area. Banner Heritage MAXX 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 3 11 FUNGICIDES

Banner Heritage MAXX is a mixture of a Group 3 (propiconazole) and a Group 11 (azoxystrobin) fungicide. Banner Heritage MAXX has two modes of action: (1) DMI (Demethylation Inhibitor of sterol biosynthesis) [Group 3], and (2) inhibitor of the Qo (quinone outside) site within the electron transport system (Qol) as well as disrupting membrane synthesis by blocking demethylation [Group 11]. Fungal pathogens can develop resistance to products with the same mode of action when used repeatedly. Banner Heritage MAXX is not cross-resistant with other classes of fungicides which have different modes of action. Because resistance development cannot be predicted, use of this product should conform to resistance management strategies established for turf in your area. Consult your local or State turf authorities for resistance management strategies that are complementary to those in this label.

Resistance management strategies may include rotating and/or tank-mixing with products having different modes of action or limiting the total number of applications per season. Avoid alternation with other Qols, such as pyraclostrobin and trifloxystrobin or other DMI's such as triadimefon, fenarimol, and myclobutanil. Banner Heritage MAXX should not be alternated or tank mixed with fungicides to which resistance has already developed. Continual use of Banner Heritage MAXX may allow less sensitive strains of pathogens to increase in the population and reduce the efficacy of Banner Heritage MAXX. Syngenta encourages responsible resistance management to ensure effective long-term control of the fungal diseases on this label.

Use of a multiple-site contact fungicide such as Daconil as an alternation or tank-mix partner can help alleviate selection pressure on pathogens and delay the onset of resistance. However, DO NOT use Daconil or other products containing chlorothalonil on home lawns or turf sites associated with apartment buildings, daycare centers, playgrounds, playfields, recreational park athletic fields, athletic fields located on or next to schools (i.e., elementary, middle and high schools), campgrounds, churches and theme parks.

Since pathogens differ in their potential to develop resistance to fungicides, the **SPECIFIC USE DIRECTIONS** section in this label provides resistance management strategies specific for each disease.



SPRAYING/MIXING

Do not apply Banner Heritage MAXX to turf by air.

Banner Heritage MAXX may be applied with all types of spray equipment commonly used for making ground applications. Do not apply Banner Heritage MAXX through any type of ultra low volume (ULV) spray system (less than 3 gals./A). 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.

Apply Banner Heritage MAXX in sufficient water volume for adequate coverage.

SPRAY DRIFT MANAGEMENT

ATTENTION

Bermudagrass can be sensitive to Banner Heritage MAXX. Do not exceed 3 fl. oz./1,000 sq. ft. every 30 days on any variety of bermudagrass. In FL, do not apply Banner Heritage MAXX to bermudagrass golf course greens when temperatures exceed 90°F.

Banner Heritage MAXX is extremely phytotoxic to certain apple varieties.

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

DO NOT spray Banner Heritage MAXX where spray drift may reach apple trees.

DO NOT spray when conditions favor drift beyond area intended for application. Conditions which may contribute to drift include thermal inversion, wind speed and direction, sprayer nozzle/pressure combinations, spray droplet size, etc. Contact your State extension agent for spray drift prevention guidelines in your area.

DO NOT use spray equipment which has been previously used to apply Banner Heritage MAXX to spray apple trees. Even trace amounts can cause unacceptable phytotoxicity to certain apple and crabapple varieties.

AVOIDING SPRAY DRIFT IS THE RESPONSIBILITY OF THE APPLICATOR.

Do not apply when weather conditions favor drift from treated areas to non-target aquatic habitat.

APPLICATION INSTRUCTIONS

Apply Banner Heritage MAXX at rates and timings as described in this label.

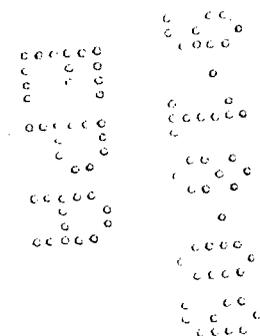
MIXING INSTRUCTIONS

To prepare spray solution, partially fill the spray tank with clean water and begin agitation. Add the specified amount of Banner Heritage MAXX to the tank, allowing time for good dispersion, then add an adjuvant, if recommended. If tank mixes are required, product should be added to the spray tank in the following order: Banner Heritage MAXX, wettable granular or dry flowable formulations, wettable powders and flowable (aqueous suspensions) products. 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 Banner Heritage MAXX due to possible phytotoxicity.

If spray-tank mixture is unsprayed for more than 18 hours (overnight), re-suspend product with agitation for 20 minutes.

Banner Heritage MAXX is compatible with many commonly used fungicides, liquid fertilizers, herbicides, insecticides and biological control products. If tank mixes are desired, observe all directions, precautions, and limitations on labeling of all products used.

Consult compatibility charts or your local or State turf authority for compatibility information. Do not combine Banner Heritage MAXX in the spray tank with pesticides, surfactants, or fertilizers, unless compatibility charts or your own prior use has shown that the combination is physically compatible, effective, and non-injurious under your conditions of use. If physical compatibility is unknown, the following procedure should be followed: Pour the recommended proportions of the products into a suitable container of water, mix thoroughly and allow to stand at least twenty (20) minutes. If the combination remains mixed or can be re-mixed readily, the mixture is considered physically compatible.



SPECIFIC USE DIRECTIONS

Banner Heritage MAXX is recommended for control of certain pathogens causing foliar, stem, and root diseases, including leaf and stem blights, leaf spots, patch diseases, mildews, anthracnose, fairy rings, molds, and rusts of turfgrass plants. Banner Heritage MAXX may be used to control certain diseases on turf in 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.

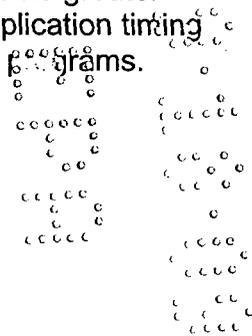
Application Directions: Banner Heritage MAXX should be applied prior to disease development. Mix Banner Heritage MAXX with the required amount of water and apply as a dilute spray application in 2-4 gals. of water per 1000 sq. ft. (87-174 gals./A). Repeat applications at specified intervals for as long as required. For spot treatments, use 1.5 fl. oz. Banner Heritage MAXX per 1 to 2 gals. of water. Do not apply more than 8.1 gals. product/acre/year (23.75 fl. oz. product/1000 sq. ft./year). Applications may be made by ground only.

For use with soil injection applications:

Banner Heritage MAXX may be applied through a liquid fungicide injector for the control of ectotrophic root diseases such as summer patch and take-all patch. Use Banner Heritage MAXX only in liquid injection equipment specifically designated for pesticide use.

For use with soil injection applications:

Apply Banner Heritage MAXX at 1.5-3 fl. oz. per 1000 sq. ft. Spray carrier volume should fall within 30-150 gals. of water per 1000 sq. ft. Injection hole spacing of 1 inch by 1 inch is recommended for optimum control. Injection depth should be no greater than 2 inches. One inch depth is recommended for optimum results. Application timing should follow disease control strategies used for normal broadcast spray programs.

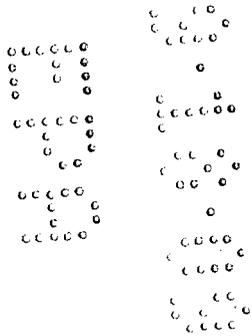


For use in the establishment of turfgrass from seed or in overseeding of dormant turfgrass:

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

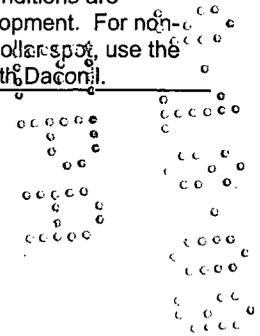
Banner Heritage MAXX may be safely applied before or after seeding or at seedling germination and emergence to ryegrass, bentgrass, bluegrass, and fescue turfgrass types. Optimum application timing is during seeding. See **Application Directions** section.

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



DIRECTIONS FOR APPLICATION FOR TURF DISEASES

Target Diseases	Use Rate (fl. oz. product per 1000 sq. ft.)	Application Interval (days)	Remarks*
Anthracnose (<i>Colletotrichum cereale</i>) (formerly known as <i>C. graminicola</i>)	1.5-3	14-28	Use preventatively. Begin applications when conditions are favorable for disease infection, prior to disease symptom development. The maximum application interval for greens is 14 days.
Bentgrass Dead Spot (<i>Ophiosphaerella Agrostis</i>)	1.5-3	14	Begin applications prior to disease development.
Brown Patch (<i>Rhizoctonia solani</i>)	0.75-1.5	14	For higher cut cool season turfgrass, St. Augustinegrass and centipedegrass (fairways, lawns, sodfarms, etc. above 0.375 inch in height). Apply when conditions are favorable for disease development
Brown Patch (<i>Rhizoctonia solani</i>) and other <i>Rhizoctonia</i> (<i>R. spp.</i>) diseases such as Large Patch, Zoysia Patch, Leaf & Sheath Spot (<i>R. zeae</i>)	1.5-3	14-28	For Brown Patch, apply when conditions are favorable for disease development. For Large Patch of all warm season turfgrasses, make 1 or 2 applications in the fall prior to infection or when conditions are favorable for infection. For Zoysia Patch, make 1 or 2 applications approximately one month prior to zoysiagrass dormancy. Reapply 14 to 28 days later. For Leaf & Sheath Spot (<i>R. zeae</i>), apply when conditions are favorable for infection such as sequential or periods of temperatures at or above 90 degrees Fahrenheit. Curative control may necessitate several applications. Target spray applications at crown of turfgrass.
Cool Weather Brown Patch Yellow Patch (<i>Rhizoctonia cerealis</i>)	3	28	Make 1 or 2 applications in fall or when conditions are favorable for disease development.
Dichondra Rust (<i>Puccinia dichondrae</i>)	3	14-21	Apply when conditions are favorable for disease development.
Dollar Spot (<i>Sclerotinia homoeocarpa</i>)	0.75-1.5	7-14	Apply preventively on higher cut cool season turfgrass (fairways, lawns, etc. mowed at or above 0.375 inch in height during periods of low to moderate disease pressure.
Dollar Spot (<i>Sclerotinia homoeocarpa</i>)	1.5-3	14-28	Apply preventively when conditions are favorable for disease development. For non-residential turf with active dollar spot, use the higher rate and combine with Daconil.



Target Diseases	Use Rate (fl. oz. product per 1000 sq. ft.)	Application Interval (days)	Remarks*
Fairy Ring (<i>Lycoperdon</i> spp., <i>Agrocybe pediades</i> , and <i>Bovistia plumbea</i>)	1.5-3	14-28	Apply as soon as possible after fairy ring symptoms develop. Apply in 2-4 gals. of water per 1000 sq. ft.. Add the recommended rate of a wetting agent to the final spray. Severely damaged or thin turf may require reseeded. Fairy ring symptoms may take 2 to 3 weeks to disappear following application. If area is hydrophobic, use wetting agents and irrigate prior to application(s) of Headway. Reapplication after 28 days may be required in some cases.
Gray Leaf Spot (<i>Pyricularia grisea</i>)	1.5-3	14-28	Use Headway in a preventive disease control program. Begin applications before disease is present and alternate with other fungicide chemistries that control gray leaf spot.
Gray Snow Mold Typhula Blight (<i>Typhula incarnata</i>)	5.25	single application	Make a single application of 5.25 fl. oz. or two applications of 3 fl. oz. spaced 10-28 days apart in late fall just before snow cover. Tank mixing with another snow mold fungicide, such as Daconil and Medallion, may enhance control under severe disease pressure.
	3	10-28	
Leaf Rust Stem Rust Stripe Rust (<i>Puccinia</i> spp.)	1.5-3	14-28	Begin applications when conditions are favorable for disease infection, prior to disease symptom development.
Leaf Spot (<i>Bipolaris sorokiniana</i>)	1.5-3	14-21	Apply when conditions are favorable for disease development.
Melting Out (<i>Drechslera poae</i>)	1.5-3	14-21	Apply when conditions are favorable for disease development.
Microdochium Patch (formerly known as Fusarium Patch (<i>Microdochium nivale</i>)	1.5-3	14-28	Use preventatively. Begin applications when conditions are favorable for disease infection, prior to disease symptom development.
Necrotic Ring Spot (<i>Ophiosphaerella korrae</i>)	3	14-28	Apply when conditions are favorable for disease development.
Pink Patch (<i>Limonomyces roseipellis</i>)	1.5-3	14-28	Apply when conditions are favorable for disease development.
Pink Snow Mold (<i>Microdochium nivale</i>)	5.25	single application	Make a single application of 5.25 fl. oz. or two applications of 3 fl. oz. spaced 10-28 days apart in late fall just before snow cover. Tank mixing with another snow mold fungicide, such as Daconil and Medallion, may enhance control under severe disease pressure.
	3	10-28	
Powdery Mildew (<i>Erysiphe graminis</i>)	1.5-3	14-28	Begin applications when conditions are favorable for disease infection, prior to disease symptom development.
Pythium Blight Pythium Root Rot (<i>Pythium aphanidermatum</i> , <i>Pythium</i> spp.)	3	10-14	Use preventatively. Begin applications when conditions are favorable for disease infection, prior to disease symptom development. 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 (<i>Laetisaria fuciformis</i>)	1.5-3	14-28	Apply when conditions are favorable for disease development.
Southern Blight (<i>Sclerotium rolfsii</i>)	1.5-3	14-28	Apply when conditions are favorable for disease development.

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Spray volume: 2 gals./1000 sq. ft.

Headway Use Rate (fl. oz./1000 sq. ft.)	Pints of product/100 gals.
0.75	2.3
1.0	3.1
1.5	4.7
2.0	6.2
2.5	7.8
3.0	9.4
5.25	16.5

Spray volume: 3 gals./1000 sq. ft.

Headway Use Rate (fl. oz./1000 sq. ft.)	Pints of product/100 gals.
0.75	1.5
1.0	2.1
1.5	3.0
2.0	4.1
2.5	5.2
3.0	6.2
5.25	10.9

Spray volume: 4 gals./1000 sq. ft.

Headway Use Rate (fl. oz./1000 sq. ft.)	Pints of product/100 gals.
0.75	1.15
1.0	1.55
1.5	2.25
2.0	3.1
2.5	3.9
3.0	4.65
5.25	8.1

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited.

Pesticide Storage

Store in original containers only. Keep container closed when not in use. Do not store near food or feed. In case of spill on floor or paved surfaces, mop up and remove to chemical waste storage area until proper disposal can be made if product cannot be used according to the label.

Pesticide Disposal

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, 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

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Control Agency, or the Hazardous Waste representative of the nearest EPA Regional Office for guidance.

Container Handling [less than 5 gallons]

Non-refillable container. Do not reuse or refill this container. Offer for recycling if available. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Container Handling [greater than 5 gallons]

Non-refillable container. Do not reuse or refill this container. Offer for recycling if available. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

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Syngenta Crop Protection at 1-800-334-9481

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