GROUP 3 FUNGICIDE

Banner® MAXX Fungicide

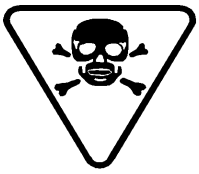
COMMERCIAL

TURF FUNGICIDE

For control of certain diseases in golf course turf and nursery crops.

GUARANTEE:
Propiconazole 14.3%

READ THE LABEL AND ATTACHED BOOKLET BEFORE USING

CAUTION  **POISON**

WARNING – EYE IRRITANT

REGISTRATION NO. **27003**
PEST CONTROL PRODUCTS ACT

Syngenta Crop Protection Canada, Inc.
140 Research Lane, Research Park
Guelph, ON
N1G 4Z3
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Pamphlet

NOTICE TO USER

This pest control product is to be used only in accordance with the directions on the label. It is an offence under the *Pest Control Products Act* to use this product in a way that is inconsistent with the directions on the label. The user assumes the risk to persons or property that arises from any such use of this product.

FIRST AID

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

If swallowed, call a poison control centre or doctor **IMMEDIATELY** for treatment advice. Have person sip a glass if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person.

If in eyes, hold eyelids open and flush with a steady, gentle stream of water. Get medical attention or contact a poison control centre **IMMEDIATELY**.

If on skin, wash with plenty of soap and water. Get medical attention or contact a poison control centre.

If inhaled, move victim to fresh air.

TOXICOLOGICAL INFORMATION

Note to Physician: If ingested, induce emesis or lavage stomach. There is no specific antidote for this product. Treat symptomatically.

PRECAUTIONS

- KEEP OUT OF THE REACH OF CHILDREN.
- KEEP PEOPLE OFF TREATED AREA UNTIL FOLIAGE IS DRY.
- Do not get in eyes. Causes eye irritation.
- Avoid getting on skin or on clothing.
- Avoid breathing mist or vapours.
- Harmful if swallowed, inhaled or absorbed through the skin.
- Wear neoprene gloves, long sleeves and overalls when mixing or handling the product and during equipment cleanup and repairs.
- DO NOT use leather or cloth gloves. Rinse gloves with soap and water before removal and wash hands.
- Wear protective goggles or face shield as well as a protective apron when handling the concentrated product during mixing and loading.
- Do not eat, drink or smoke during application; wash hands and face thoroughly immediately following each application of this product.
- Immediately wash off accidental splashes of the concentrate or spray mixture from skin, clothing and eyes.

- After work, change clothing and wash entire body thoroughly.
- Wash contaminated clothes separately from other laundry before reuse.
- Do not contaminate food or feed.
- Do not graze livestock on treated areas.
- Do not feed clippings from treated areas to livestock or poultry.
- This pesticide is toxic to fish and other aquatic organisms. Do not spray any body of water by direct application, drift or by cleaning and rinsing spray equipment.
- Do not use or store near heat or open flame.

DO NOT APPLY BY AIR

STORAGE

1. Do not use or store near heat or open flame.
2. Keep from freezing.
3. Store in original container in a secured, dry storage area.
4. Store the tightly closed container away from seeds, fertilizers, plants and foodstuffs.
5. Prevent cross contamination with other pesticides.

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.

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.

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

DIRECTIONS FOR USE

GENERAL INFORMATION

Banner MAXX Fungicide is a broad spectrum systemic fungicide for control of various diseases on turf grasses and nursery crops.

Do not apply this product through any type of irrigation system.

DO NOT apply directly to aquatic habitats (such as lakes, rivers, sloughs, ponds, coulees, prairie potholes, creeks, marshes, streams, reservoirs and wetlands) and estuarine / marine habitats. DO NOT contaminate water by cleaning of equipment or disposal of waste.

Mixing Instructions

Banner MAXX Fungicide Only
Fill the spray tank 1/2-3/4 full with water.
Add the proper amount of Banner MAXX Fungicide and then add the rest of the water.
Provide sufficient agitation during mixing and application to maintain a uniform emulsion.

Tank Mixtures - Pesticides:
Banner MAXX Fungicide can be tank mixed with **ONLY ONE** of the following partners: DACONIL® 2787 Flowable Fungicide or HERITAGE† Fungicide or Primo MAXX® Plant Growth Regulator. Read the label of DACONIL 2787 Flowable Fungicide or HERITAGE Fungicide or Primo MAXX Plant Growth Regulator and follow the precautionary statement, directions for use (rates, diseases controlled and application intervals) and other restrictions.

1. Always check the compatibility of a Banner MAXX tank mix using a jar test with proportionate amounts of Banner MAXX Fungicide or DACONIL 2787 Flowable Fungicide or HERITAGE Fungicide or Primo MAXX Plant Growth Regulator, 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 HERITAGE Fungicide as a tank mix partner add HERITAGE Fungicide first then add Banner MAXX next.
5. If using DACONIL 2787 Flowable Fungicide as a tank mix partner, add Banner MAXX first then DACONIL 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.

TURFGRASS DISEASE CONTROL

1. USE Banner MAXX Fungicide IN A PREVENTATIVE DISEASE CONTROL PROGRAM.
2. Apply in sufficient water to ensure thorough coverage (3 to 15L per 100 sq. metres).
3. Apply after mowing OR allow sprayed area to completely dry before mowing.
4. For control of foliar diseases, allow sprayed area to completely dry before irrigation.
5. For control of soil-borne diseases, apply Banner MAXX Fungicide in higher spray volumes (13-21 litres of water per 100 sq. metres). If this is not possible, then Banner MAXX Fungicide can be watered in after application (0.60 cm of water prior to drying of the spray application).

6. Under conditions optimum for high disease pressure, use the higher rate and the shorter interval.
7. For optimum turf quality and disease control, use Banner MAXX Fungicide in conjunction with turf management practices that promote good plant health and optimum disease control.
8. Evaluate spray additives prior to use. Label directions are based on data obtained with no additives.
9. Before use of any fungicide, proper diagnosis of the organism causing the disease is important. Use of diagnostic kits or other means of identification of the disease organism is essential to determine the best control measures.
10. When treating greens, always treat aprons and fairway approaches.
11. Do not apply more than 473 mL/100m^2/year.

NOTE: Do not graze animals on treated areas. Do not feed clippings from treated areas to livestock or poultry.

TURFGRASS – SPRAY SCHEDULE

Disease	Rate of Banner MAXX Fungicide (mL per 100 Sq. Metres)	Application Interval/ Duration of Control*	Instructions
Dollar Spot	26-51	21-28 days	Apply Banner MAXX Fungicide during periods of humid, warm days and cool nights that result in heavy dew formation. Nitrogen deficiency and drought stress also promote the disease. 1) Banner MAXX Fungicide can be tank-mixed (see mixing instructions) with DACONIL 2787 Flowable Fungicide or HERITAGE Fungicide. OR 2) Rotated with fungicides which have a different mode of action Do not apply more than 6 applications per season.
Anthracnose	26-51	21 days	Apply when warm, humid weather conditions occur. Areas of compaction, poor soil drainage, excess thatch, or with large amounts of Poa annua favour the development of anthracnose. Do not apply more than 3 applications per season.
Red Thread	51	14 days	Apply when cool, wet conditions occur. Prolonged periods of high humidity air favour the development of the disease. Do not apply more than 3 applications per season.
Brown Patch	51-103	14 days	Apply Banner MAXX Fungicide preventively when conditions favour disease development (high surface moisture or humidity and warm night temperatures). Use the higher rate under severe disease pressure. Do not apply Banner MAXX Fungicide if disease symptoms are present. Do not apply more than 6 applications per season.

Disease	Rate of Banner MAXX Fungicide (mL per 100 Sq. Metres)	Application Interval/ Duration of Control*	Instructions
Leaf Spot & Melting Out	51-103	14 days	Under light to moderate disease pressure, apply Banner MAXX Fungicide to reduce the severity of leaf spot and melting out caused by Drechslera spp. (Helminthosporium) pathogens. Do not apply more than 3 applications per season.
Summer Patch	103	30 days	Apply Banner MAXX Fungicide on a preventative basis. The first application should be when the soil temperature is greater than 16ºC at a 5 cm depth for 4 consecutive days with a second application 30 days later. A third application may be required if hot, humid weather occurs. Apply Banner MAXX Fungicide with 13-21 L of water per 100 sq. metres. Do not apply more than 3 applications per season.
Gray and Pink Snow Mold	206	Late Fall	Apply one application in the late fall before snow cover. Do not apply on top of snow or when the temperature is below 0ºC. Do not apply more than 1 application per season.
Fusarium Patch	51-103	30 days	Apply Banner MAXX Fungicide in the fall or early spring during cool, wet weather. Use the high rate only under high disease pressure. Do not apply more than 2 applications per season.
Yellow patch	77-103		Apply one application in the late fall before snow cover. Do not apply on top of snow. Do not apply more than 1 application per season.

*Expected length of control when used in a preventative disease control program.

NOTE TO USER

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

Accordingly, the Buyer assumes all liability arising, and agrees to hold Syngenta Crop Protection Canada, Inc. harmless from any claims based on efficacy and/or phytotoxicity in connection with the uses described below.

NURSERY CROPS

- Do not apply BANNER MAXX through any type of irrigation system.
- DO NOT add surfactants or wetting agents as this may result in phytotoxicity.
- Apply every 14 days. Do not exceed more than 4 applications per year
- Banner MAXX can be tank mixed with DACONIL 2787 Fungicide. Read the DACONIL 2787 label and follow the directions for use.

Crop	Disease	RATE OF (mL/100 L water)
Dogwood, maple	Anthracnose (*Discula destructive)*	28
Crabapple, nonbearing apple, pyracanthas	Apple Scab (*Venturia inaequalis)*	14
Roses, azalea rhododendron	Powdery mildew (*Sphaerotheca pannosa)*	35
Roses	Black spot (*Diplocarpon rosae)*	33

Resistance-Management Statement

For resistance management, please note that Banner MAXX Fungicide contains a Group 3 fungicide. Any fungal population may contain individuals naturally resistant to Banner MAXX Fungicide and other group 3 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 Banner MAXX Fungicide or other group 3 fungicides with different groups that control the same pathogens.

Avoid application of more than the maximum number listed in the label and consecutive sprays of Banner MAXX Fungicide or other fungicides in the same group in a season.

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 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 advisor for any additional pesticide resistance-management and/or IPM recommendations for specific crops or pathogens.

For further information or to report suspected resistance, contact company representatives at 1-87S-YNGENTA (1-877-964-3682) or at www.syngenta.ca.

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