

## PRIMO MAXX<sup>®</sup>

PLANT GROWTH REGULATOR FOR TURF GROWTH MANAGEMENT

COMMERCIAL

PRIMO MAXX<sup>®</sup> is a micro-emulsion concentrate for managing growth of turfgrass on golf courses and commercial sod farms only.

**GUARANTEE:**

Trinexapac-ethyl ..... 11.3%

**READ THE LABEL AND ATTACHED BOOKLET BEFORE USING**

**KEEP OUT OF REACH OF CHILDREN  
WARNING: EYE IRRITANT**

REGISTRATION NO.: **26989**  
PEST CONTROL PRODUCTS ACT

**Syngenta Canada Inc.**  
140 Research Lane, Research Park  
Guelph, ON  
N1G 4Z3  
Telephone: 1-877-964-3682

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

**IN CASE OF POISONING**, contact a physician or a poison control center **IMMEDIATELY**. Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

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

**If in eyes**, hold eye open and rinse slowly and gently with water for 15–20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control centre or doctor for treatment advice.

**If on skin or clothing**, take off contaminated clothing. Rinse skin **IMMEDIATELY** with plenty of water for 15–20 minutes. Call a poison control centre or doctor for treatment advice.

**If inhaled**, move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control centre or doctor for further treatment advice.

## TOXICOLOGICAL INFORMATION

There is no specific antidote if this product is ingested. Treat symptomatically. Do not induce emesis.

## PRECAUTIONS

- KEEP OUT OF THE REACH OF CHILDREN.
- KEEP PEOPLE OFF TREATED AREA UNTIL FOLIAGE IS DRY.
- Causes eye irritation. DO NOT get in eyes.
- Do not get on skin or on clothing.
- Wear long sleeved shirt and long pants with coveralls and chemical resistant gloves for all mix/load and application activities and during equipment cleanup and repair activities. In addition, wear goggles during mix/load activities.
- DO NOT use leather or cloth gloves. Rinse gloves with soap and water before removal and wash hands.
- 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.

- DO NOT re-enter treated areas until residues have dried. For both sod farms and golf courses, a restricted entry interval of 3 days post application is required for workers who re-enter treated areas for hand or mechanical sod harvesting, sod transplanting, and hand weeding activities.
- After work, change clothing and 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.
- Avoid contact with non-target plants or any body of water. Avoid drift to these sensitive habitats. Do not contaminate aquatic systems through the disposal of waste or the cleaning/rinsing of spray equipment.
- Do not apply when weather conditions favour drift from treated areas.

### **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 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 use this container for any other purpose.

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

## **GENERAL INFORMATION**

PRIMO MAXX reduces the frequency of mowing and the amount of grass clippings by regulating the growth of turfgrass. Full growth regulation by PRIMO MAXX begins about 3-5 days after application.

PRIMO MAXX can be applied to well-maintained turf on golf courses and commercial sod farms. PRIMO MAXX can be used to manage difficult-to-mow areas and reduce turf growth along curbs, parking lots, cart paths, bunkers and around trees, shrubs and flower beds.

PRIMO MAXX reaches the growing point by foliar uptake. Field data have indicated that PRIMO MAXX may not be rainfast soon after application. Application should be completed at least 3 hours before irrigation or rain. Areas treated with PRIMO MAXX should continue to receive regular maintenance practices, including irrigation, fertilization, and weed, disease, and insect control when necessary, as recommended for quality turf.

### **NOTE TO USER**

The DIRECTIONS FOR USE for this product for the use described below were developed by persons other than Syngenta Canada Inc. and accepted for registration by Health Canada under the User Requested Minor Use Registration program. Syngenta 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 crop listed below.

Accordingly, the Buyer and User assume all liability arising, and agree to hold Syngenta Canada Inc. harmless, from any claims based on efficacy and/or phytotoxicity in connection with the use described below.

## **APPLICATION INFORMATION**

Environmental conditions, management, and cultural practices that affect turf growth and vigour will influence the response of the turf to PRIMO MAXX applications. Fertility level, moisture availability, plant vigour, height, and frequency of mowing, have been shown to influence the activity of PRIMO MAXX.

PRIMO MAXX may cause temporary yellowing. This usually disappears about one week after application. To minimize yellowing and to enhance the green colour of turf, apply readily available nitrogen at 0.1- 0.25 kg of actual nitrogen per 100 m<sup>2</sup>. If desirable, recommended rates of iron per 100 m<sup>2</sup> can also be used.

PRIMO MAXX can be applied every 4 weeks or later as required to actively growing turf only at the rates shown in Table 1. At these rates PRIMO MAXX provides approximately 50% growth inhibition.

PRIMO MAXX may be applied at one-half (1/2) of the rate shown in Table 1 when applied every two weeks or later as required during the summer when turf growth begins to slow due to the high temperatures or where yellowing of annual bluegrass (*Poa annua*) is a concern.

**NOTE: A reduction in turf quality (as overall appearance, including colour and/or density may occur after application, however reductions are transient and recovery within 2-4 weeks is normally observed.**

**NOTE: In the absence of a repeated application, turf treated with PRIMO MAXX may grow more rapidly than untreated turf for several weeks following a period of suppressed growth.**

**NOTE: Do not make more than 7 applications at the rates shown in Table 1 or 14 applications at the half rate per year.**

NOTE: Due to risk of injury to turf, avoid overlapping and do not apply to turf that is stressed, such as by low fertility, high temperatures, drought, frost or to turf that is diseased or insect-damaged.

DO NOT APPLY PRIMO MAXX FOR TWO WEEKS FOLLOWING AN AERATION OR VERTICUTTING.

**Table 1. Recommended PRIMO MAXX Application Rates<sup>1</sup>**

Turf Type	Commercial Sod Farms and Golf Courses, including Rough Areas <sup>2,3</sup>	Commercial Sod Farms and Golf Course Fairways (Cut at 1.0-1.9 cm)	Golf Course Greens <sup>4</sup>
	mL/100 m <sup>2</sup>		
Creeping Bentgrass ( <i>Agrostis</i> and <i>Stolonifera palustris</i> )		8.0	4.0
Tall Fescue ( <i>Festuca arundinacea</i> )	24		
Kentucky Bluegrass ( <i>Poa pratensis</i> )	19	8.0 <sup>4</sup>	
Perennial Ryegrass ( <i>Lolium perenne</i> )	32	16	
Mixture (Creeping Bentgrass/Annual Bluegrass ( <i>Poa annua</i> ))		8.0 <sup>5</sup>	4.0
Mixture - Kentucky Bluegrass/Tall Fescue/Perennial Ryegrass	24		
Mixture Kentucky Bluegrass/Perennial Ryegrass/Annual Bluegrass		16 <sup>5</sup>	
Mixture of Annual Bluegrass and Kentucky Bluegrass		8.0	

<sup>1</sup> Apply only to turf species/mixtures on sites for which a rate is shown in Table 1. Rates shown in Table 1 should provide 50% suppression of turf growth under good growing conditions for a minimum of 4 weeks with minimal yellowing. Growth suppression may be less with use of rates that are one-half those shown in Table 1.

<sup>2</sup> Canopy height should be at least 3.8 cm for Kentucky bluegrass and perennial ryegrass and at least 5 cm for tall fescue.

- <sup>3</sup> Includes edging/banding applications along curbs, parking lots, cart paths, bunkers and around trees, shrubs and flower beds. Apply PRIMO MAXX in a 20 to 30 cm band with a single nozzle sprayer.
- <sup>4</sup> PRIMO MAXX has not been tested at a rate of 2 mL/100 m<sup>2</sup>. Therefore, results may be unsatisfactory with use of the one half rate on greens.
- <sup>5</sup> Where yellowing of annual bluegrass (*Poa annua*) is a concern, use half the rate and apply every 2 weeks or later as required. Where temporary discoloration of annual bluegrass can be tolerated, use the rate shown in Table 1.

### **Mowing**

Generally, PRIMO MAXX provides more suppression when turfgrass is maintained at lower mowing heights than higher mowing heights. Application rates have been selected for typical mowing heights. To minimize possible turf injury, apply PRIMO MAXX then wait at least 4 hours before mowing or mow first, wait at least 1 hour, then apply PRIMO MAXX.

### **Equipment**

PRIMO MAXX may be applied with backpack sprayers, hand sprayers, boom sprayers, and with spraygun application devices. Clean spray equipment thoroughly before use. Make sure the sprayer is capable of accurate and uniform application. Calibrate the sprayer before applying PRIMO MAXX. Rinse sprayer with clean water after use and dispose of rinsate in an approved manner.

### **Mixing Instructions**

#### **PRIMO MAXX Only**

Apply PRIMO MAXX in sufficient carrier (for example 2-15 L of water per 100 m<sup>2</sup>) to provide uniform and thorough coverage.

PRIMO MAXX is a micro-emulsion concentrate (MEC) with minimal odour because the product does not contain petroleum solvents. PRIMO MAXX mixes completely with water. Prepare no more mixture than is necessary for the immediate operation. Once PRIMO MAXX is uniformly mixed, no further agitation is required.

#### **Backpack and Hand Sprayers (2-15 L capacity)**

Add all of the required water to the mix tank. Add the appropriate amount of PRIMO MAXX, close sprayer, and vigorously shake it. Begin application.

#### **Boom and Hand Gun Sprayers**

Add all of the required amount of water to the spray tank. Then, while agitating, add PRIMO MAXX.

#### **Application Near and Around Monuments and Hardscape Materials**

PRIMO MAXX, at normal dilution rates, will not stain brass, bronze, concrete, marble, granite, or other types of stone. Before using PRIMO MAXX around other materials, test on a small-scale basis first.

#### **Tank Mixtures - Pesticides:**

PRIMO MAXX can be tank-mixed with **ONLY ONE** of the following partners: HERITAGE™ Fungicide, DACONIL 2787® Flowable Fungicide, BANNER MAXX® Fungicide or SUBDUE

MAXX<sup>®</sup> Fungicide. Read all the labels and follow the precautionary statement, directions for use (rates, diseases controlled and application intervals) and other restrictions.

1. Always check the compatibility of HERITAGE Fungicide, DACONIL 2787 Flowable Fungicide, BANNER MAXX Fungicide or SUBDUE MAXX Fungicide tank mix using a jar test with proportionate amounts of PRIMO MAXX, 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 or SUBDUE MAXX or HERITAGE Fungicide as a tank mix partners add them first then add PRIMO MAXX next.
5. If using DACONIL 2787 Flowable Fungicide as a tank mix partner, add PRIMO 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.

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