

# CAUTION

KEEP OUT OF REACH OF CHILDREN  
READ SAFETY DIRECTIONS BEFORE OPENING OR USING



# Primo<sup>®</sup>Maxx

Turf growth regulator

syngenta<sup>®</sup>

**ACTIVE CONSTITUENT: 120 g/L TRINEXAPAC-ETHYL**

For the regulation of leaf and stem growth of grass species and as an aid in turf management as per the Directions for Use

**Syngenta Australia Pty Ltd**

Level 1, 2-4 Lyonpark Road, Macquarie Park NSW 2113

***In a transport emergency dial 000, Police or Fire Brigade***

***For specialist advice in an emergency only, call 1800 033 111 (24 hours)***

**APVMA Approval No: 54275/55417**

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## DIRECTIONS FOR USE

### Restrictions

DO NOT apply to turf recovering from wear, renovation or turf affected by disease, waterlogging or other stresses

DO NOT use where growth regulatory effects are likely following the application of a fungicide or any other material

DO NOT apply to turf going into or coming out of dormancy

DO NOT apply if rainfall is expected within 1 hour, and DO NOT irrigate turf for at least 1 hour after application

DO NOT apply to Kentucky Bluegrass as damage may occur

### Turf Growth Management

Situation	Grasses	Rate		Critical Comments
		/ha	/100 m <sup>2</sup>	
<b>Golf course and bowling greens</b>	Bent Grass, Bent Grass / Winter Grass ( <i>Poa annua</i> ) mixed sward	0.2 to 1 L	2 to 10 mL	Apply PRIMO MAXX at least 6 hours before or after mowing and when turf is actively growing. Use the lower rates on turf with moderate growth rates where a lower level of growth regulation is required, or when used in a program. Apply rates towards the highest end of the rate range when growth is vigorous or when longer periods of 4 to 6 weeks regulation are required. Application made to turf growing under cool conditions or to turf with low nutrient levels or where growth rates are low may result in discolouration. Well maintained turf surfaces are those which receive at least weekly mowing and good levels of water and fertility are maintained. <b>Refer to Application section for detailed information.</b>
	Hybrid Couch	0.15 to 0.6 L	1.5 to 6 mL	
<b>Golf course fairways</b>	Carpet Grass, Kikuyu	1.6 to 4 L	16 to 40 mL	
	Common Couch	0.8 to 1.6 L	8 to 16 mL	
	<b>Couch varieties</b> Greenlees Park, Santa Ana, Wintergreen	0.6 to 1.2 L	6 to 12 mL	
	Fescue, Perennial Ryegrass	1.6 to 3 L	16 to 30 mL	
<b>Golf course short roughs, well maintained lawns, general turf surfaces</b>	Bahia Grass, Bent Grass, Fescue, Perennial Ryegrass	2 to 4 L	20 to 40 mL	
	Buffalo Grass Common Couch, Hybrid Couch	1 to 2 L	10 to 20 mL	
	Kikuyu	1.6 to 6 L	16 to 60 mL	
<b>Golf course long roughs, parks, ovals, lawns, general grassed areas</b>	Bent Grass, Fescue, Perennial Ryegrass	2 to 6 L	20 to 60 mL	
	Buffalo Grass Common Couch, Hybrid Couch	1 to 4 L	10 to 40 mL	
	Kikuyu	2 to 8 L	20 to 80 mL	

**Turf Growth Management** *continued*

Situation	Grasses	Rate		Critical Comments
		/ha	/100 m <sup>2</sup>	
<b>Bunker facing, path and garden edging, footpath and curbside edging, fencelines, around trees</b>	Bent Grass, Common Couch, Perennial Ryegrass	4 to 6 L	40 to 60 mL	Apply PRIMO MAXX at least 6 hours before or after mowing and when turf is actively growing. On difficult to mow areas apply PRIMO MAXX to actively growing turf and mow 3 to 4 days after application. Apply in a strip approximately 25 to 50 cm wide. Use the lower rates of PRIMO MAXX around bunker edges and the higher rates in the other situations. Application made to turf growing under cool conditions or to turf with low nutrient levels or where growth rates are low may result in discolouration.
	Buffalo Grass	4 L	40 mL	
	<b>Couch varieties</b> Greenlees Park, Santa Ana, Wintergreen			
	Kikuyu	6 to 8 L	60 to 80 mL	

**Winter Grass (*Poa annua*) Management**

Situation	Grasses	Rate		Critical Comments
		/ha	/100 m <sup>2</sup>	
<b>Golf course fairways, Golf course greens</b>	Winter Grass ( <i>Poa annua</i> )	0.4 to 1 L	4 to 10 mL	See instructions under Winter Grass ( <i>Poa annua</i> ) Management for reduction of <i>Poa annua</i> swards in Bent Grass golf greens. See Golf course greens section above for application recommendations.

**Bahia Grass (*Paspalum notatum*) Suppression and Seedhead Control**

Situation	Grasses	Rate		Critical Comments
		/ha	/100 m <sup>2</sup>	
<b>Common Couch, Durban Grass, Hybrid Couch, Qld Blue Couch, Zoysia only</b> in golf course long roughs, lawns, median strips, ovals, parks, roadsides, general grassed areas	Bahia Grass ( <i>Paspalum notatum</i> ) <b>suppression and seedhead control</b>	2 to 4 L plus 75 mL/ha Monument <sup>®</sup> Liquid Turf Herbicide plus 0.25 to 0.42% v/v non-ionic surfactant (such as Agral <sup>®</sup> Spray Adjuvant)	20 to 40 mL plus 0.75 mL/100 m <sup>2</sup> of Monument Liquid plus 0.25 to 0.42% v/v non-ionic surfactant (such as Agral)	Apply during summer when Bahia Grass produces seedheads. DO NOT apply more than 2 consecutive applications of Monument Liquid per season. See instructions under Bahia Grass ( <i>Paspalum notatum</i> ) Management for control of Bahia Grass seedheads in established couch areas. Refer to Application section for detailed information. <b>Important:</b> Refer to the Monument Liquid label for specific directions on mixing, avoiding spray drift, sprayer cleanup and protection of non-target crops and the environment

**NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER, CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION**

**WITHHOLDING PERIOD**

**DO NOT GRAZE TREATED TURF/LAWN, OR FEED TURF/LAWN CLIPPINGS FROM ANY TREATED AREA TO POULTRY OR LIVESTOCK**

## GENERAL INSTRUCTIONS

PRIMO MAXX should be applied to actively growing turf, at least 6 hours before or after mowing. Good mowing management leading up to application is required to achieve a good quality turf surface and to obtain the best results from PRIMO MAXX.

### Growth Regulation

The recommended use rates are designed to give approximately a 20 to 50% reduction in clippings over a 2 to 6 week period. Full growth regulation by PRIMO MAXX begins about 3 to 5 days after application. In practice the amount of growth regulation achieved will vary between situations due to environmental conditions and management practices. To some extent, therefore, application rates will need to be adjusted to match growing conditions, management practices and the amount of growth regulation required by the turf manager.

Repeat applications can be made as soon as turf resumes growth or more suppression is required. Areas treated with PRIMO MAXX should continue to receive regular maintenance practices, including irrigation, fertilisation, and weed, disease and insect control when necessary, as recommended for quality turf.

### Winter Grass (*Poa annua*) Management

Different grasses vary in their sensitivity to PRIMO MAXX. Since *Poa annua* is more sensitive to PRIMO MAXX than Bent Grass, PRIMO MAXX can be used to reduce the competitiveness of *Poa annua* in Bent Grass golf greens. PRIMO MAXX can be integrated into existing *Poa annua* control programs. Low rates of PRIMO MAXX (that provide growth suppression of *Poa annua*, but not Bent Grass) applied during peak growth periods may enable a slow transition in the golf green sward composition away from *Poa annua* and towards a higher percentage of Bent Grass.

### Bahia Grass (*Paspalum notatum*) Management

Different grasses vary in their sensitivity to PRIMO MAXX and Monument Liquid. Bahia Grass is very sensitive to the combination resulting in control of seedheads as well as vegetative growth suppression. Apply the combination as soon as seedheads start to form or when it becomes a regular mowing intervention issue, normally during October to January. Apply at 4 week intervals after mowing.

### Couch Overseeding

An application of PRIMO MAXX to couch will enhance the establishment of cool season turf grasses. PRIMO MAXX is foliarly absorbed, so germination and seedling growth is not affected. Apply PRIMO MAXX before verticutting, scalping, spiking or other similar operations to the couch. Apply PRIMO MAXX 1 to 5 days before seeding.

### Mixing

PRIMO MAXX is a micro emulsion concentrate (ME) with minimal odour as the product does not contain petroleum solvents. PRIMO MAXX mixes completely with water and may be tank mixed with many commonly used fungicides and liquid fertilizers. Add the required quantity of PRIMO MAXX directly to a spray tank containing  $\frac{2}{3}$  of the required spray volume. Add the rest of the water and ensure the mix is thoroughly agitated before application.

PRIMO MAXX can be tank mixed with Heritage MAXX<sup>®</sup> Turf Fungicide, Banner MAXX<sup>®</sup> Turf Fungicide, Daconil<sup>®</sup> Weather Stik<sup>®</sup> Turf Fungicide and Monument Liquid.

### Application

Ensure even application in order to achieve even growth reduction. Avoid overlapping sprays.

**Application Volume:** Apply in 100 to 500 L/ha water, using suitable flat fan nozzles. Application volume should be adequate to ensure thorough and even coverage of the turf leaves and penetration to the crowns. In higher cut turf ( $\geq 15$  mm) a significant spray shielding effect can occur, impacting negatively on spray penetration and even coverage at low application volumes.

**Knapsack:** It is important to apply the correct quantity of PRIMO MAXX to a known area of turf. Apply between 2 and 10 L water/100 m<sup>2</sup> turf. Preferably use flat fan nozzles and ensure even coverage is achieved.

**Golf Courses and Bowling Greens:** Ensure product placement as uniformly as possible onto leaves and into crowns. Ideal application volume should be 350 to 500 L/ha. For best results use medium [XR Teejet\* (11004 or 11005)] to coarse [Turbo Teejet\* or AIXR Teejet\* (11004 or 11005)] nozzles, at 5 km/h and 3 bar pressure. Boom height should not exceed 50 cm above the ground.

**All Other Turf Areas:** Ensure product placement as uniformly as possible onto leaves and into crowns. Ideal application volume should be 200 to 500 L/ha. For best results use medium [XR Teejet (11004 to 11008)] to coarse [Turbo Teejet or AIXR Teejet (11004 or 11005)] nozzles, at 8 km/h and 3 bar pressure. Boom height should not exceed 50 cm above the ground.

**Bahia Grass Suppression and Seedhead Control:** Ensure product placement as uniformly as possible onto leaves and into crowns. Ideal application volume should be 200 to 500 L/ha. For best results use coarse [Turbo Teejet-or AIXR Teejet (11004 or 11005)] nozzles, at 8 km/h and 3 bar pressure. Boom height should not exceed 50 cm above the ground.

**Non-ionic Surfactants:** For Bahia Grass suppression and seedhead control when tank mixing with Monument Liquid, use Agral (600 g ai/L) at 0.42% v/v or 420 mL/100 L spray mix. Use surfactants (1000 g ai/L formulations) at 0.25% v/v or 250 mL/100 L spray mix.

**Application Near and Around Monuments and Hardscape Materials:** PRIMO MAXX, at normal dilution rates, will not stain brass, bronze, concrete, granite, marble or other types of stone. Before using PRIMO MAXX around other materials, test on a small scale basis first.

### **Compatibility**

#### **For Common Couch, Hybrid Couch and Kikuyu turfgrasses only**

PRIMO MAXX is compatible with some formulations of products containing the following chemicals: 2,4-D amine, bromoxynil, MCPA/bromoxynil/dicamba, MCPA ester/bromoxynil, MCPA ester/bromoxynil/dicamba, MCPP/2,4-D amine/dicamba or MCPP/dicamba.

However, some transient discolouration of the treated turf may occur after application of a tank mix.

For the treatment of broadleaf weeds in turf with herbicides other than those indicated above, it is recommended to apply PRIMO MAXX and the broadleaf weed herbicides separately, allowing at least 10 days between an application of PRIMO MAXX and the broadleaf weed herbicides.

### **PRECAUTION**

#### **Re-entry Period**

DO NOT enter treated areas without protective clothing until spray has dried. DO NOT allow the public to enter treated areas until spray has dried.

### **PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT**

Dangerous to fish larvae and oysters. DO NOT contaminate dams, rivers, streams or storm water drains with concentrate or used container. Wash out spraying equipment and mixing and measuring utensils with water onto grass.

### **STORAGE AND DISPOSAL**

Store in the closed, original container in a cool, well ventilated area. DO NOT store for prolonged periods in direct sunlight. Triple or preferably pressure rinse containers before disposal. Add rinsings to the spray tank. DO NOT dispose of undiluted chemicals on site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush or puncture and deliver empty packaging for appropriate disposal to an approved waste management facility. If an approved waste management facility is not available, bury the empty packaging 500 mm below the surface in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots, in compliance with relevant Local, State or Territory government regulations. DO NOT burn empty containers or product.

### **SAFETY DIRECTIONS**

**Will irritate the eyes. Avoid contact with the eyes. If product in eyes, wash it out immediately with water. When opening the container, preparing the spray and using the prepared spray wear:**

- cotton overalls buttoned to the neck and wrist
- elbow-length nitrile or PVC gloves
- a washable hat
- face shield or goggles

**Wash hands after use. After each day's use, wash gloves, face shield or goggles and contaminated clothing.**

### **FIRST AID**

**If poisoning occurs contact a doctor or Poisons Information Centre. Phone 131 126.**

### **MATERIAL SAFETY DATA SHEET**

If additional hazard information is required refer to the Material Safety Data Sheet. For a copy phone 1800 067 108, or visit our website at [www.greencast.com.au](http://www.greencast.com.au) or [www.syngenta.com.au](http://www.syngenta.com.au)

**DISCLAIMER**

This product complies with the specifications in its statutory registration. Implied terms and warranties are excluded. Syngenta's liability for breach of the express or any non-excludable implied warranty is limited to product replacement or purchase price refund. The purchaser must determine suitability for intended purpose and take all proper precautions in the handling, storage and use of the product including those on the label and/or safety data sheet failing which Syngenta shall have no liability.

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