

# CAUTION

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



# Primo Maxx<sup>®</sup> II

## Turf growth regulator

**syngenta<sup>®</sup>**

**ACTIVE CONSTITUENT: 116.39 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 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: 90791/130045**

<sup>®</sup>

## DIRECTIONS FOR USE

### Restraints

**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.

For PROFESSIONAL use only.

### Spray Drift Restraints

Specific definitions for terms used in this section of the label can be found at [apvma.gov.au/spraydrift](http://apvma.gov.au/spraydrift)

**DO NOT** allow bystanders to come into contact with the spray cloud.

**DO NOT** apply in a manner that may cause an unacceptable impact to native vegetation, agricultural crops, landscaped gardens and aquaculture production, or cause contamination of plant or livestock commodities, outside the application site from spray drift. The advisory buffer zones in the relevant buffer zone table/s below provide guidance but may not be sufficient in all situations. Wherever possible, correctly use application equipment designed to reduce spray drift and apply when the wind direction is away from these sensitive areas.

**DO NOT** apply unless the wind speed is between 3 and 20 kilometres per hour at the application site during the time of application.

**DO NOT** apply if there are surface temperature inversion conditions present at the application site during the time of application. These conditions exist most evenings one to two hours before sunset and persist until one to two hours after sunrise.

**DO NOT** apply by a boom sprayer unless the following requirements are met:

- spray droplets not smaller than a MEDIUM spray droplet size category
- minimum distances between the application site and downwind sensitive areas (see 'Mandatory buffer zones' section of the following table titled 'Buffer zones for boom sprayers') are observed.

### Buffer zones for boom sprayers

Application rate	Boom height above the target canopy	Droplet size	Mandatory downwind buffer zones
			Bystander areas
Up to maximum label rate	0.5 m or lower	NA	0 metres
	1.0 m or lower	Coarse	0 metres
	1.0 m or lower	Medium	10 metres

## 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® II 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.
	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	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>
	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® II at least 6 hours before or after mowing and when turf is actively growing. On difficult to mow areas apply PRIMO MAXX® II 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® II 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® Liquid Turf Herbicide plus 0.25 to 0.42% v/v non-ionic surfactant (such as AGRAL® 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® II 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® II.

### 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® II 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® II 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® II. Since *Poa annua* is more sensitive to PRIMO MAXX® II than Bent Grass, PRIMO MAXX® II can be used to reduce the competitiveness of *Poa annua* in Bent Grass golf greens. PRIMO MAXX® II can be integrated into existing *Poa annua* control programs. Low rates of PRIMO MAXX® II (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® II 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® II to couch will enhance the establishment of cool season turf grasses. PRIMO MAXX® II is foliarly absorbed, so germination and seedling growth is not affected. Apply PRIMO MAXX® II before verticutting, scalping, spiking or other similar operations to the couch. Apply PRIMO MAXX® II 1 to 5 days before seeding.

### Mixing

PRIMO MAXX® II is a soluble concentrate (SL) that mixes completely with water. It may be tank mixed with many commonly used fungicides and liquid fertilizers. Add the required quantity of PRIMO MAXX® II directly to a spray tank containing 1/2 of the required spray volume. Add the rest of the water and ensure the mix is thoroughly agitated before and during application.

### 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® II 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 to coarse droplet size with Syngenta XC025 or XC04 nozzles or equivalent nozzle.

**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 to coarse droplet size with Syngenta XC025 or XC04 nozzles or equivalent nozzle.

**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 medium to coarse droplet size with Syngenta XC025 or XC04 nozzles or equivalent nozzle.

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

### **Compatibility**

PRIMO MAXX® II is compatible with a range of commonly used fungicides, insecticides, herbicides, fertilizers and pigments. PRIMO MAXX® II can be tank mixed with HERITAGE MAXX® Turf Fungicide, HEADWAY® MAXX Turf Fungicide, POSTERITY® Turf Fungicide, INSTRATA® Turf Fungicide, MEDALLION® Turf Fungicide, SUBDUE MAXX® Turf Fungicide, VELISTA® Turf Fungicide, BANNER MAXX® Turf Fungicide, DACONIL® WEATHER STIK® Turf Fungicide, CASPER® Turf Herbicide, MONUMENT® LIQUID Turf Herbicide, AGADOR® Turf Nematicide and Miticide, HIGRAN® Turf Miticide. However, as formulations of other manufacturers products are beyond the control of Syngenta, all mixtures should be tested prior to mixing commercial quantities.

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

PRIMO MAXX® II 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, MCPA/2,4-D amine/dicamba or MCPA/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® II and the broadleaf weed herbicides separately, allowing at least 10 days between an application of PRIMO MAXX® II and the broadleaf weed herbicides.

### **PRECAUTIONS**

Re-entry statements for general public:

DO NOT allow entry into treated areas until the spray has dried.

Re-entry statements for occupational users:

DO NOT enter treated areas until the spray has dried, unless wearing cotton overalls buttoned to the neck and wrist (or equivalent clothing) and chemical resistant gloves. Clothing must be laundered after each days use.

### **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 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**

**May irritate the eyes. Repeated exposure may cause allergic disorders. Avoid contact with eyes and skin. When opening the container and preparing spray and using the prepared spray wear:**

- cotton overalls buttoned to the neck and wrist (or equivalent clothing) and
- elbow length chemical resistant gloves.

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

### **FIRST AID**

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

### **SAFETY DATA SHEET**

If additional hazard information is required refer to the Safety Data Sheet. For a copy visit our website at [www.syngentaturf.com.au](http://www.syngentaturf.com.au) or [www.syngenta.com.au](http://www.syngenta.com.au) or use the QR code on this label.

Combustible liquid Harmful if inhaled
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**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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the SYNGENTA Logo and the PURPOSE ICON  
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