

# WARNING

KEEP OUT OF REACH OF CHILDREN



# Primo<sup>®</sup> 250 EC

## Turf Growth Regulator



syngenta<sup>®</sup>

**Active Ingredient:**

**PRIMO EC contains 250 g/litre TRINEXAPAC-ETHYL in the form of an emulsifiable concentrate.**

For the reduction of leaf and stem growth of grass species, as an aid in turf management and as an aid in Winter Grass management as per the Directions for Use

**Net Contents: 1, 5, 10 and 20 litres**

*Approved pursuant to the HSNO Act 1996, Approval Code HSR000802.*

**Syngenta Crop Protection Limited**  
*Tower 2, Level 7, 110 Symonds Street, Auckland*

*item number*



TM

**PLEASE READ THE LABEL COMPLETELY BEFORE USE**

**This product MUST NOT be used for any purpose or in any manner contrary to the controls and conditions of this registration.**



**HSNO Classification 3.1D, 6.5B, 9.1D, 9.2D**

**WARNING**

Combustible liquid.  
 May cause sensitisation from prolonged skin contact.  
 Harmful to aquatic organisms.  
 Harmful to the soil environment.

**PRECAUTIONS**

Store in original container, tightly closed, away from foodstuffs in a well ventilated place.  
 Keep away from flames and hot surfaces. In case of fire use fine-water spray or foam. During a fire this product may release smoke and hazardous decomposition products. When fighting a major fire wear an air-supplied respirator.  
 Avoid contact with skin and eyes, and inhalation of spray mist.  
 When mixing or applying wear protective clothing, including overalls, gloves and footwear.  
 If clothing becomes contaminated with product, remove clothing immediately.  
 DO NOT eat, drink or smoke while using.  
 Wash hands and face before eating, drinking or smoking and after work.  
 Wash protective clothing daily after work.  
 Apply with well maintained and calibrated spray equipment.  
**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.  
 Application and storage should be as described in the Management of Agrichemicals NZS8409.  
 DO NOT carry on a passenger service vehicle.  
 Avoid contamination of any water supply with chemical or empty container.

**Container disposal:** Ensure the container is empty. Triple rinse empty container and add rinsate to the spray tank. Recycle empty container through Agrecovery (0800 247 326, [www.agrecovery.co.nz](http://www.agrecovery.co.nz)). Otherwise crush and bury in a suitable landfill. DO NOT reuse this container for any other purpose.

**Product disposal:** Dispose of this product only by using according to the label, or at an approved landfill or other approved facility.

**FIRST AID**

If SWALLOWED, DO NOT induce vomiting. Rinse Mouth.  
 If SKIN or HAIR contact occurs, remove contaminated clothing and flush skin and hair with running water. DO NOT scrub the skin, wash with soap and water.  
 If splashed in the EYES, wash out immediately with water. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists get medical advice/attention.  
 If INHALED, move the victim to fresh air immediately.  
 Begin artificial respiration if breathing has stopped. Use mouth to nose rather than mouth to mouth. Obtain medical attention. Take to hospital without delay.  
 For advice, contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor. If medical advice is needed, have product container or label at hand.

**SPILLAGE**

Wear suitable protective clothing including face shield, impervious gloves and boots. Prevent the product or spilled material from entering water bodies. Absorb liquid spills with inert material such as earth or sand and place in waste containers. Wash area with water and absorb with further inert material. Dispose of safely.

**DIRECTIONS FOR USE****Restrictions****Not to be used on or around food crops**

DO NOT use on bowling greens

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
		Low Volume Spray/ha	Knapsack Application/100 m <sup>2</sup>	
<b>Golf course greens</b>	Bent Grass	500 mL to 1 L	5 to 10 mL	Apply PRIMO 250 EC 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 reduction is required, or when used in a program. Apply rates towards the higher end of the rate range when growth is vigorous or when longer periods of up to 6 weeks suppression 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 lawns and 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>
<b>Golf course fairways</b>	Common Couch	400 to 800 mL	4 to 8 mL	
	Hybrid couch	300 to 600 mL	3 to 6 mL	
	Fescue, Perennial Ryegrass	800 mL to 1.5 L	8 to 15 mL	
	Kikuyu	800 mL to 2 L	8 to 20 mL	
Carpet Grass				
<b>Golf course short roughs, well maintained lawns and turf surfaces</b>	Buffalo Grass	500 mL to 1 L	5 to 10 mL	
	Common Couch, Hybrid Couch			
	Fescue, Perennial Ryegrass, Bent Grass	1 to 2 L	10 to 20 mL	
	Kikuyu	800 mL to 3 L	8 to 30 mL	
<b>Golf course long roughs, parks, ovals, lawns, general grassed areas</b>	Buffalo Grass	500 mL to 2 L	5 to 20 mL	
	Common Couch, Hybrid Couch			
	Fescue, Perennial Ryegrass, Bent Grass	1 to 3 L	10 to 30 mL	
	Kikuyu	1 to 4 L	10 to 40 mL	

Situation	Grasses	Rate		Critical Comments
		Low Volume Spray/ha	Knapsack Application/100 m <sup>2</sup>	
<b>Bunker facing, path and garden edging, footpath and curbside edging, fencelines and around trees</b>	Buffalo Grass	2 L	20 mL	Apply PRIMO 250 EC at least 6 hours before or after mowing and when turf is actively growing. On difficult to mow areas apply PRIMO 250 EC to actively growing turf and mow 3 to 4 days after application. Apply in a strip approximately 25 cm to 50 cm wide. Use the lower rates of PRIMO 250 EC 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.
	Hybrid couch			
	Common Couch, Perennial Ryegrass, Bent Grass	2 to 3 L	20 to 30 mL	
	Kikuyu	3 to 4 L	30 to 40 mL	

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

Situation	Grasses	Rate		Critical Comments
		Low Volume Spray/ha	Knapsack Application/100 m <sup>2</sup>	
<b>Golf course fairways, Golf course greens</b>	<i>Poa annua</i>	200 to 500 mL	2 to 5 mL	See instructions under <i>Poa annua</i> Management for reduction of <i>Poa annua</i> swards in Bent Grass golf greens. See Golf course greens section in this table for application recommendations.

### GENERAL INSTRUCTIONS

PRIMO 250 EC 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 250 EC.

### Growth Regulation

The recommended use rates are designed to give approximately a 50% reduction in clippings over a 4 to 6 week period. 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.

### *Poa annua* Management

Different grasses vary in their sensitivity to PRIMO 250 EC. Since *Poa annua* is more sensitive to PRIMO 250 EC than Bent Grass, PRIMO 250 EC can be used to reduce the competitiveness of *Poa annua* in Bent Grass golf greens. PRIMO 250 EC can be integrated into existing *Poa annua* control programs. Low rates of PRIMO 250 EC (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.

## Mixing

Add the required quantity of PRIMO 250 EC directly to a spray tank containing two thirds of the required spray volume. Add the rest of the water and ensure the mix is thoroughly agitated before 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 250 EC to a known area of turf. Apply between 2 and 10 L water/100 m<sup>2</sup> of turf. Preferably use flat fan nozzles and ensure even coverage is achieved.

**Golf Course 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.

## Compatibility

**For common couch, hybrid couch and kikuyu turfgrasses only:** PRIMO 250 EC 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 250 EC and the broadleaf weed herbicides separately, allowing at least 10 days between an application of PRIMO 250 EC and the broadleaf weed herbicides.

## WITHHOLDING PERIOD

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

## STORAGE

Store in a cool, dry, well ventilated place, avoiding temperatures below 5°C and above 35°C. See Safety Data Sheet for additional storage information. Stores containing quantities of 10,000 litres or more require signage and 1000 litres or more require secondary containment. Stores with quantities of 500 litres or more require fire extinguishers.

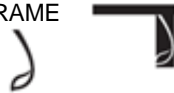
## SAFETY DATA SHEET

If additional hazard or safety information is required, refer to the Safety Data Sheet. For a copy visit our website at [www.syngenta.co.nz](http://www.syngenta.co.nz)

## 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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Distributed by and registered to Syngenta Crop Protection Limited, Tower 2, Level 7, 110  
Symonds Street, Auckland.

Bar code

Batch No:	
Date of Manufacture:	

<p><b>UN 3082</b>  <b>ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.</b>  <b>(trinexapac-ethyl)</b>  <b>PACKING GROUP III, HAZCHEM 2X</b>  <b>CONTAIN SPILLAGE</b></p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>MISCELLANEOUS DANGEROUS GOODS 9</p> </div> <div style="text-align: center;">  </div> </div> <p><b>In a transport emergency dial 111, Police or Fire Brigade</b>  <b>For specialist advice in an emergency only, call 0800 734 607 (24 hours)</b></p>
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