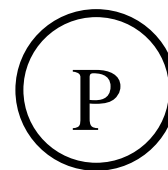


PRIMO MAXX

Product registration number: MAPP 14780 PCS 03879



A soluble concentrate (SL) formulation containing 121g/litre trinexapac-ethyl.

For use as a plant growth regulator on amenity areas, managed amenity turf and amenity grassland.

*The (COSHH) Control of Substances Hazardous to Health Regulations may apply to the use of this product at work. (UK only)*

This product label is compliant with the CPA Voluntary Initiative (VI) guidance. (UK only)



<b>Approval Holder and UK Marketing Company</b>	<b>Ireland Marketing Company</b>
Syngenta Crop Protection UK Limited CPC 4, Capital Park, Cambridge CB21 5XE Tel: Cambridge (01223) 883400	Syngenta Ireland Ltd Block 6, Cleaboy Business Park, Old Kilmeaden Road, Waterford, Ireland Tel: 051 377203

In case of toxic or transport emergency ring 0044 (0)1484 538444 any time (24HR)

**PROTECT FROM FROST**  
**SHAKE WELL BEFORE USE**

Product code / Print date / xxxxxx

Batch Number

## **SAFETY PRECAUTIONS (references to COSHH apply to the UK use only)**

### **(a) Operator protection**

Engineering control of operator exposure must be used where reasonably practicable in addition to the following personal protective equipment:

WEAR SUITABLE PROTECTIVE GLOVES when handling the concentrate or applying by hand-held equipment.

However, engineering controls may replace personal protective equipment if a COSHH assessment shows that they provide an equal or higher standard of protection.

WASH HANDS AND EXPOSED SKIN before meals and after work.

### **(b) Consumer protection**

NOT TO BE USED ON FOOD CROPS

### **(c) Environmental Protection**

Do not contaminate water with the product or its container (Do not clean application equipment near surface water/Avoid contamination via drains from hard surfaces and roads).

### **(d) Storage and disposal**

RINSE CONTAINER THOROUGHLY by using an integrated pressure rinsing device or manually rinsing three times. Add washings to sprayer at time of filling and dispose of safely.

**PRIMO MAXX**

**For Professional Use Only**

A soluble concentrate formulation containing 121g/litre trinexapac-ethyl.

**Risk and safety information**

**Harmful to aquatic organisms. May cause long-term adverse effects in the aquatic environment.**

Keep out of the reach of children.

When using do not eat drink or smoke.

Keep away from food drink and animal feeding stuffs.

Use appropriate containment to avoid environmental contamination.

This material and its container must be disposed of in a safe way.

**To avoid risks to man and the environment, comply with the instructions for use**

MAPP 14780  
PCS 03879

**IMPORTANT INFORMATION**

FOR USE ONLY AS AN HORTICULTURAL PLANT GROWTH REGULATOR

For use on:	Managed amenity turf and amenity grassland.
Maximum individual dose:	3.2 litres product/hectare
Maximum total dose per year :	16 litres product/hectare/year

**READ THE LABEL BEFORE USE. USING THIS PRODUCT IN A MANNER THAT IS INCONSISTENT WITH THE LABEL MAY BE AN OFFENCE. FOLLOW THE CODE OF PRACTICE FOR USING PLANT PROTECTION PRODUCTS.**

This leaflet is part of the approved Product Label.

## **DIRECTIONS FOR USE**

**IMPORTANT:** This information is approved as part of the Product Label. All instructions within this section must be carefully read in order to obtain safe and successful use of this product.

## **RESTRICTIONS**

PRIMO MAXX may cause temporary yellowing of turf. This usually disappears about one week after application. To minimize yellowing and enhance the green colour of turf, apply readily available nitrogen.

In the absence of adequate nutrition the reduction in grass growth produced by PRIMO MAXX may be favourable to the development of red thread disease.

Collected clippings must not be composted or used as a mulch as their safety for use on desired plants has not been assessed.

### Grass species

Some darkening of the turf may occur following application of PRIMO MAXX.

As some discolouration including lightening or scorch may occur to Annual Meadow Grass, care should be taken if Annual Meadow Grass represents a significant composition of the sward.

### Stressed Turf

Turf which is stressed, for example through drought, low fertility or pest/disease attack may show signs of damage after application of PRIMO MAXX. Any signs of damage are only temporary.

## **DIRECTIONS FOR USE**

PRIMO MAXX for turf growth management reduces the frequency of mowing and the amount of grass clippings by reducing the growth of turfgrasses.

PRIMO MAXX can be used on well maintained quality sports turf including golf course greens, green surrounds, tees and fairways. Application of PRIMO MAXX is also permitted on bowling greens and tennis courts as well as winter sports pitches, cricket outfields and polo fields. The use of PRIMO MAXX is extended to cemeteries, parks and similar areas down to turf. PRIMO MAXX can only be applied to home and ornamental lawns by a professionally qualified operator. Management of difficult to mow areas, such as sloping ground, and to minimise the need for edging turf along pavements and flower beds are other areas of use for PRIMO MAXX.

PRIMO MAXX reaches the growing point through the foliage and it is not washed off by rainfall or irrigation 1 hour after application. Watering-in is not required. For best results PRIMO MAXX should be applied to high quality turfgrass which receives adequate fertilization and water and is therefore not stressed.

Environmental conditions, management and cultural practices that affect turf growth and vigour (e.g. fertility level, moisture availability, plant height and frequency of mowing, etc.) will influence the response of the turf to PRIMO MAXX applications.

## **CROP SPECIFIC INFORMATION**

### **How PRIMO MAXX works**

The active ingredient in PRIMO MAXX, trinexapac-ethyl, causes a temporary halt to the production of gibberellic acid, a plant growth hormone which is responsible for the top growth of the plant. Trinexapac-ethyl is taken up by the foliage of the grass plant and is translocated systemically to the growing point of the plant. After application the turf grass grows more slowly than in untreated areas, with shorter leaf blades.

PRIMO MAXX does not control dicotyledonous weeds in turf and these should be controlled as part of a normal turf maintenance programme.

Turf grasses absorb trinexapac-ethyl very rapidly and it is rainfast 1 hour after application. Do not apply to bare ground since PRIMO MAXX is absorbed through the foliage.

At the recommended rate, on turf cut at 12 mm or more, one application will give a reduction in fresh weight of grass clippings of up to 50% and a reduction in grass height of up to 20% for up to four weeks. Responses on fine turf (cut at up to 6mm) will be less.

### **Timing**

Apply PRIMO MAXX to actively growing turf. If turf is going into dormancy because of high or low temperatures or lack of moisture, apply a lower rate of PRIMO MAXX. Do not treat turf under stress from lack of soil moisture, as damage may occur.

The turf must be dry before application. Adequate soil moisture is essential for PRIMO MAXX to be effective and avoid damage to the turf.

Do not apply during periods of frost or when rain is expected within 1 hour.

Repeat applications of PRIMO MAXX may be made as soon as the turf resumes growth or more suppression is desired, but do not apply more than 16 l/ha per year.

### **Over-Seeding**

When using PRIMO MAXX as part of an over-seeding programme the product should be applied 3-5 days prior to sowing. Subsequent applications of PRIMO MAXX after over-seeding should not begin until 80-90% grass cover is restored.

### **Re-Seeding**

When using PRIMO MAXX as part of a re-seeding programme applications can begin at 80-90% ground cover.

### **Mowing**

Generally, PRIMO MAXX provides more suppression when turfgrasses are maintained at lower mowing heights. To minimize possible turf discoloration, apply PRIMO MAXX then wait 4 hours before mowing or mow first, wait 24 hours, then apply PRIMO MAXX.

### **General Maintenance**

Areas treated should continue to receive regular good maintenance practices including irrigation, fertilization, weed, disease and insect control when necessary and as recommended for quality turf.

### **Rates of use**

Apply PRIMO MAXX in sufficient water (300 – 1000 litres water per hectare) to provide a uniform and thorough coverage of the turfgrass foliage, using a MEDIUM spray quality (as defined in the BCPC classification scheme).

No significant effect of PRIMO MAXX is expected on existing broad-leaved plants in the area to be treated. However, avoid application over areas with desired plants (ornamental flower beds etc.)'

### RECOMMENDED APPLICATION RATES<sup>1</sup>

Grass Species	Situation of Use		
	Golf / Bowling green	Tees and fairway type turf (cut at < 18 mm)	Sports field / Out field (cut at >18 mm)
Bent / Fescue /Meadow grass mix (Agrostis / Festuca / Poa sp mix)	0.4 l/ha <sup>2</sup>	1.6 l/ha <sup>2</sup>	2.4 l/ha <sup>2</sup>
Perennial ryegrass ( <i>Lolium perenne</i> )	-	2.4 l/ha	3.2 l/ha

<sup>1</sup> These rates should provide up to 50% suppression of turf growth under good growing conditions for up to 4 weeks with minimal yellowing.

<sup>2</sup> Where yellowing of *Poa annua* is a concern, use half this rate.

PRIMO MAXX use rates may need to be reduced by up to 50% less than the recommended rate for the situation of use for turfgrass grown under conditions of low fertility or other factors that stress the turf.

### USE OF PRIMO MAXX WITH LINE MARKING AGENTS

PRIMO MAXX can extend the duration of marking visibility when applied before or with line marking agents.

Before line marking: Apply in 300 – 1000 litres water per hectare, using the dose of PRIMO MAXX appropriate to the situation as detailed under 'RECOMMENDED APPLICATION RATES<sup>1</sup>'

Marking paint mix: Mix PRIMO MAXX with water first when combining with latex-based marking agents. Refer to the marking agents product label for further instructions. Apply PRIMO MAXX at a rate of 2ml per litre of marking paint mix

### MULTIPLE APPLICATIONS

Multiple applications of PRIMO MAXX can be made each growing season to provide season long growth suppression, but do not exceed a total of 16 litres of product per hectare per year.

### MIXING AND SPRAYING

PRIMO MAXX may be applied with knapsack sprayers, hand sprayers, boom sprayers and spray-gun application devices. Ensure that the sprayer or other applicator is clean and calibrated to give the correct volume and an even application. Add half of the required water to the sprayer. Add the required amount of PRIMO MAXX and then the remaining water and begin agitation. Thoroughly wash all spraying equipment immediately after use. The diluted product must be used on the day of mixing.

For further information please see [www.greencast.co.uk](http://www.greencast.co.uk) or [www.greencast.ie](http://www.greencast.ie)