

PRIMO MAXX FROM TEE TO GREEN

Use of Primo Maxx across the course has gained the widespread approval of clubs, players and greens staff, with key overall benefits seen as:

TEES

- IMPROVED WEAR AND STRESS TOLERANCE
- REDUCED MOWING REQUIREMENT
- DENSER AND HIGHER QUALITY TURF
- FASTER ESTABLISHMENT WITH OVERSEEDING
- IMPROVED SHADE TOLERANCE

FAIRWAYS

- REDUCED MOWING REQUIREMENT
- REDUCED FUEL, MAINTENANCE AND LABOUR COSTS
- GREATER FLEXIBILITY IN CUTTING REGIMES
- IMPROVED SWARD, DENSITY AND BALL LIE
- GREATER RESISTANCE TO DIVOTING
- LONGER RETENTION OF MOWING PATTERNS

ROUGHS

- REDUCED MOWING REQUIREMENT
- REDUCED FUEL, MAINTENANCE AND LABOUR COSTS

GREENS

- SMOOTHER, TRUER PUTTING SURFACE
- GREATER DENSITY AND TURF QUALITY
- SUPERIOR ROOTING AND DROUGHT STRESS
- MORE CONSISTENT ROLL THROUGHOUT THE DAY
- FASTER MOWING
- GREATER OVER WINTER DISEASE TOLERANCE
- GREATER SHADE TOLERANCE

Primo Maxx[®]
MAKING GOOD TURF
GREAT

CONSISTENTLY SUPERIOR
QUALITY PLAYING
SURFACES

REDUCED MOWING,
ESPECIALLY ON
FAIRWAYS AND IN ROUGH

MORE AVAILABLE LABOUR
FOR OTHER COURSE
MAINTENANCE ACTIVITIES

GREATER ROOTING,
DROUGHT TOLERANCE
AND SHADE TOLERANCE

REDUCED MACHINERY
MAINTENANCE
AND FUEL COSTS

MAKING GOOD TURF
GREAT
FROM TEE TO GREEN

 **Primo Maxx[®]**

 **syngenta.**



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 **syngenta**

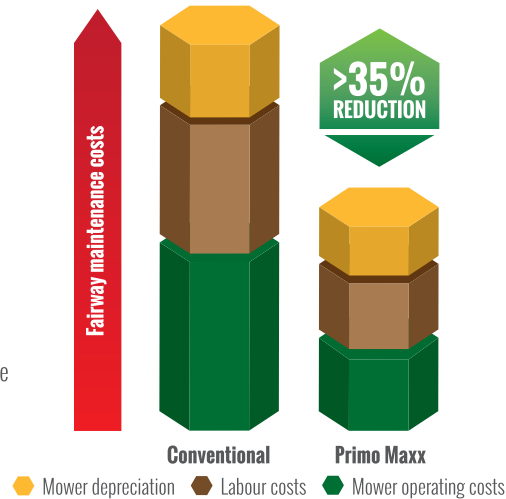
IMPROVE QUALITY AND REDUCE MOWING

Primo Maxx will slow grass growth within approximately one week of initial application - enabling significant reductions in time and costs of mowing and management.

FAIRWAYS AND ROUGH

On fairways and in play rough, mowing frequency may be reduced by up to 35% with a full Primo Maxx programme.

- ▶ Less time spent mowing - releasing labour for more productive purposes
- ▶ Lower fuel costs
- ▶ Reduced wear and tear on machinery
 - Lower maintenance and repair bills
 - Longer machinery working life reduces capital expenditure
- ▶ Greater flexibility with mowing schedules
- ▶ Cleaner visual finish - with less clumps in wet conditions, better stripes and fewer seed heads



The number one factor players want from a fairway is the ball sitting proud. Primo Maxx creates denser more even sward cover for enhanced ball presentation and play.

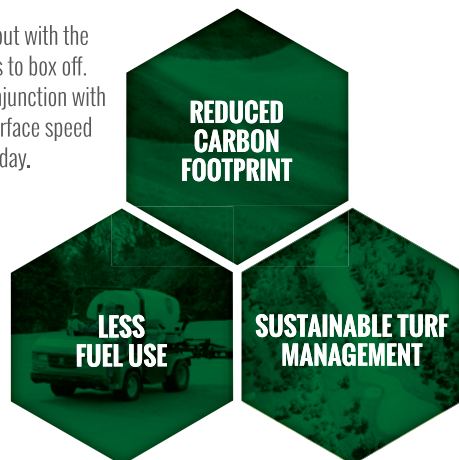
FINE TURF SURFACES

Consistency and trueness of putting surfaces is the most important factor for golfers. Primo Maxx has been shown to create greens that are smoother and stay more consistent.

Fine turf surfaces can continue to be mown as normal, but with the benefit of faster mowing with up to 35% fewer clippings to box off. Alternatively, mowing frequency may be reduced, in conjunction with rolling. Furthermore, with slower leaf growth, playing surface speed and quality will remain more consistent throughout the day.

Experience with Primo Maxx use on fine turf indicates that cutting height may be slightly raised with no loss in ball speed - typically leading to:

- ▶ Reduced stress on plants
- ▶ Lower disease susceptibility
- ▶ Less risk of scalping during mowing
- ▶ Enhanced root mass
- ▶ More consistent green speed throughout the day



ENHANCE TURF PLANT HEALTH

Primo Maxx promotes healthy plants that are better able to resist the effects of stress and disease, to produce season-long better playing conditions.

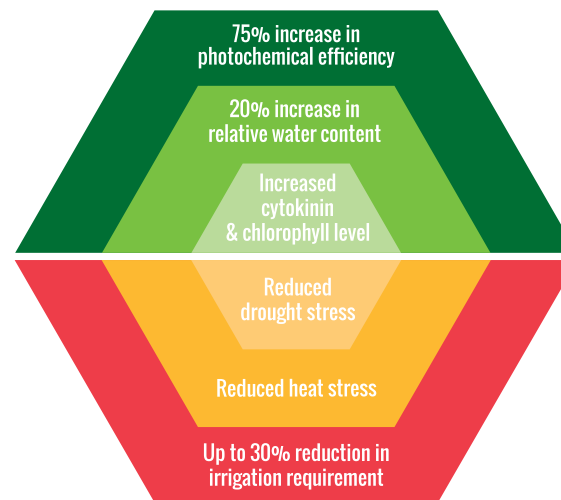
- ▶ Better drought resistance
- ▶ Improved wear tolerance
- ▶ Quicker recovery from stress
- ▶ Less stress = healthier turf

Applying a Primo Maxx programme ahead of periods of stress (pre-stress conditioning) makes plants better able to cope with adverse conditions - including drought, water-logging, heavy wear and disease pressure. Not only will turf stay looking good for longer, but also recover faster after stress conditions have eased.

ENHANCED SHADE TOLERANCE

The effect of shade is to create weakened turf plants that are more susceptible to stress, including wear and disease.

Primo Maxx can help plants compensate for a 75% reduction in light levels, which could transform turf performance in shaded areas. The Primo Maxx blocks the creation of gibberellic acid, which limits elongated growth and breaks the cycle of carbohydrate removal; giving the plants the chance to recover and build up strength.



PRODUCING THE ULTIMATE PLAYING SURFACE - MAKING YOUR JOB STRESS FREE WITH LESS EFFORT, REDUCED CLIPPINGS AND DECREASED COSTS. PRODUCING SUPERB TURF QUALITY.

PRIMO MAXX DELIVERS:



Research has shown that Primo Maxx applications increase the level of bioactive cytokinins within the plant - improving tolerance to heat and drought induced stress. The presence of cytokinins in the plant has been shown to improve turf quality by delaying the degradation of chlorophyll caused by high temperatures and to alleviate leaf browning.

In trials under drought conditions, Primo Maxx enhanced the photochemical efficiency of turf by over 75%, compared to untreated turf. The relative water content of the grass leaves remained a healthy 20% higher than untreated 28 days after treatment.

Primo Maxx is an important part of Integrated Turf Management programmes, creating turf conditions less conducive to disease, including:

- ▶ Reduced soft grass growth most susceptible to Microdochium (Fusarium) infection
- ▶ Raised cutting height reduces stress on the plant and associated risk of Anthracnose, without affecting turf quality and ball speed

THE BUSINESS OF BETTER TURF

GOLFERS ALWAYS WANT TO PLAY WHERE THE CONDITIONS ARE BEST.

Enhancing the playing experience is crucial to attract and retain payers at golf courses, to assure the financial sustainability of the club.

With golf clubs under intense economic pressure and the increasing tendency for 'nomadic' golfers to move between clubs and courses, it's more important than ever to deliver a high quality playing experience. Attracting membership, visitors and 'pay and play' golfers is critical to the economic success of any golf course. Course quality is key in attracting new players and encouraging existing players to play more often.

GOLF COURSE QUALITY IS THE NO 1 FACTOR IN ATTRACTING GOLFERS TO A CLUB

PRIMO MAXX ENHANCES TURF HEALTH AND PLAYING SURFACE CONSISTENCY

PRIMO MAXX DELIVERS IMPROVED PLAYABILITY BY INCREASING TURF DENSITY

MORE ROUNDS = INCREASED CLUB REVENUE



Primo Maxx course conditioning from tee to green creates consistently better playing conditions demanded by today's golfer.



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APPLICATION AND TIMING

The Primo Maxx programme can be started at any stage when turf is actively growing, but should ideally start at the onset of consistent spring growth. The programme should continue whilst turf is actively growing.

Primo Maxx programmes are best started when you get a period of sustained turf growth. That typically occurs when soil temperatures at five to 10 cm depth reach double digits for at least five days.

You can monitor soil temperatures with a simple digital probe or visit the GreenCast website which includes predicted representative soil temperatures for your area.

As a good practical indication, you can record boxed off clippings each day, to quickly assess when consistent growth has started. Recording clipping yield is also an invaluable guide to growth rates throughout the season, which can help to tailor application rates and timing most effectively.

If higher rates of Primo Maxx are intended to be used in the programme, it is recommended to make the first treatment at a half-rate, and increase to the full rate for subsequent applications.

Typically you achieve more consistent growth and optimise results with lower rates, applied more frequently. For example weekly applications on greens, typically at 0.2 l/ha.

On tees and fairways a monthly application at a higher rate may be more suitable and practicable with the spraying routine. There is a direct relationship between Primo Maxx application

rate and regulatory effect. If turf is growing strongly, it may be more applicable to increase the application rate accordingly, then during periods of slower growth it can be reduced.

Maintaining adequate nutrition in the root zone for healthy turf growth is essential to get the best results in turf quality enhancements from Primo Maxx. In most situations, a tank mix with an appropriate good quality liquid fertiliser is recommended with each application. Aim to deliver a minimum of 2.5 kg/ha readily available nitrogen with each application.

PRIMO MAXX PROGRAMME All rates are per hectare

Making your job stress free with less effort, reduced clippings and decreased costs. Producing superb turf quality.

GREENS - "Speed in jug!"

AREA:	TURF	RATE	FREQUENCY
Greens	BENT & POA	150-200ml	Every 7-10 days
	BERMUDA & PASPALUM	400ml	Every 10-14 days
	ULTRA DWARF BERMUDA	140-220ml	Every 10-14 days

FAIRWAYS/ INTERMEDIATE: 8-25 mm

Warm Season Turf			
AREA:	TURF	RATE	FREQUENCY
Fairways, Tees, Intermediate	Bermuda, Kikuyu & Paspalum	1 Litre – 1,5Litres	Sept, October
		1,5Litres – 2Litres	Nov, Dec, Jan, Feb
		1 Litre – 1,5Litres	March, April
Spray every 28 days.			

Cool Season Turf			
AREA:	TURF	RATE	FREQUENCY
Fairways, Tees, Intermediate		500ml – 1Litre	Every 14 days

SEMI ROUGH 25-40 mm

Warm Season Turf			
AREA:	TURF	RATE	FREQUENCY
Semi Rough	Bermuda, Kikuyu & Paspalum	500ml – 750ml	Sept, October
		750ml – 1Litre	Nov, Dec, Jan, Feb
		500ml – 750ml	March, April
Spray every 28 days.			

Cool Season Turf			
AREA:	TURF	RATE	FREQUENCY
Semi Rough		500ml – 1Litre	Every 14 days

BUNKER FACES, STREAM BANKS & DAM EDGES

AREA:	TURF	RATE	FREQUENCY
Stream Banks & Dam Edges	Bermuda, Kikuyu & Paspalum	500ml – 750ml	Sept, October
		750ml – 1Litre	Nov, Dec, Jan, Feb
		500ml – 750ml	March, April
Spray every 14 days. Stream banks and dam edges. 50mm or higher rough – 500ml/ ha every 28 days			

Primo Maxx is a fantastic TOOL TO PRODUCE THE ULTIMATE PLAYING SURFACE – the product pays for itself as you are able to reduce your fairway mowing to 3-4 days per week!

Making your job stress free with less effort, reduced clippings and decreased costs. Producing superb turf quality.