

Scotts New Releases 2009

Professional Turf & Amenity Fertilisers

- Greenmaster Liquid
- Greenmaster Liquid Effect Fe
- Fairwaymaster
- Sierrablen Plus
- Sierrasol



Growing success

Greenmaster Liquid[®]

Advanced liquid nutrition with nutrient uptake activation

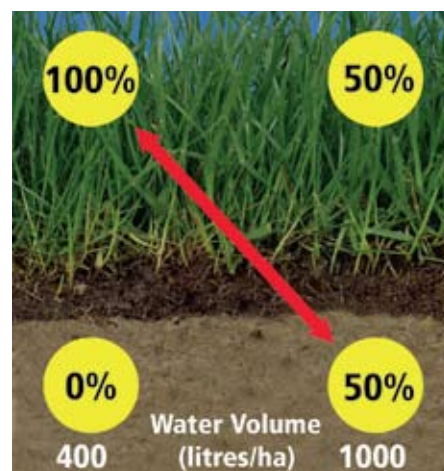
- Contains TMax, the powerful nutrient uptake activator
- Consistent colour with no rapid tail-off
- Trace elements chelated for improved availability of nutrients
- Flexible application rates
- Greenmaster Liquids are tank mixable with most products

Liquid fertilisers are an extremely direct and effective way of giving the grass plant the right nourishment at the right time. Generally speaking they work over a short period, which is why it is often a good idea to combine them with a basic dosage of granular fertiliser. Scotts liquid products in the Greenmaster Liquids range are compatible with most other products (i.e. plant growth regulators. Please note that Ca Booster is not tank-mixable.)

Greenmaster Liquid with TMax – the future in liquid feeding

The formulation incorporates cutting edge technologies to maximise turf performance and to provide the best value for money. The key component within the formulation is TMax. TMax is the very latest development from Scotts R&D to maximise the efficiency of nutrient delivery to turf.

Nutrients are often locked-up in the soil. Greenmaster Liquid with TMax unlocks these previously unavailable nutrients. The result is a better nutrient balance in the soil and improved turf quality.



At the low water volumes, more of the nutrients are taken up by the foliage. At the higher water rates, more of the nutrients are taken up by the roots.

- The technologies within new Greenmaster Liquids optimise both foliar and root uptake mechanisms.
- This guarantees the maximum effect on the turf under all circumstances.
- The water volume within which Greenmaster Liquids are applied will effect which uptake route is dominant.

High N
25+0+0+1.2%Mg+Trace Elements
(25+0+0+2MgO+Trace Elements)

- Ideal early spring fertiliser with readily absorbed nitrogen plus magnesium for rapid green-up
- Perfect to tank mix to increase N levels
- Application rate: 4-12 litres per 1,000m² (40-120 litres per hectare)
- Water volume: 400-1,000 litres per hectare
- Area treated by a 10 litre pack: 833-2,500m²

Suggested use period

J F M A M J J A S O N D

Nutrient levels applied (kg/ha) from one application

	N	P	K
40 litres/ha	13.1	0	0
80 litres/ha	26.2	0	0
120 litres/ha	39.3	0	0

Spring & Summer
12+1.7+5+Trace Elements
(12+4+6+Trace Elements)

- Complete NPK formula for main season feeding without excess growth
- Use regularly to replenish nutrients removed in clippings
- Ideal for use during the main growth periods
- Application rate: 4-12 litres per 1,000m² (40-120 litres per hectare)
- Water volume: 400-1,000 litres per hectare
- Area treated by a 10 litre pack: 833-2,500m²

Suggested use period

J F M A M J J A S O N D

Nutrient levels applied (kg/ha) from one application

	N	P	K
40 litres/ha	5.7	0.8	2.3
80 litres/ha	11.3	1.7	4.7
120 litres/ha	17.0	2.5	6.9

NK
10+0+8.3+Trace Elements
(10+0+10+Trace Elements)

- Phosphate-free NK fertiliser for management of high phosphate soils
- The N:K ratio balances growth and toughens sward
- Previously locked up iron is released to enhance colour and turf health
- Application rate: 4-12 litres per 1,000m² (40-120 litres per hectare)
- Water volume: 400-1,000 litres per hectare
- Area treated by a 10 litre pack: 833-2,500m²

Suggested use period

J F M A M J J A S O N D

Nutrient levels applied (kg/ha) from one application

	N	P	K
40 litres/ha	4.9	0	4.1
80 litres/ha	9.8	0	8.2
120 litres/ha	14.8	0	12.3

TMax ensures that the liquid application spreads out and sticks on the leaves to maximise the leaf area for nutrient uptake. Once in the leaf, nutrients can move more easily throughout the plant.



Without TMax, liquid fertiliser droplets do not spread out and are more susceptible to leaf run-off

The Working of TMax Liquid Fertiliser

Nutrients are often locked-up in the soil. Greenmaster Liquid with TMax unlocks these previously unavailable nutrients. The result is a better nutrient balance in the soil and improved turf quality.

TMax enables nutrients to move through the soil profile to the sites of root nutrient uptake. Whilst in the soil, TMax makes available previously locked-up nutrients.



High K 3+1.3+8.3+Trace Elements (3+3+10+Trace Elements)

- The high potassium content increases stress tolerance
- The low nitrogen and phosphorus levels maintain low growth and good rooting
- Previously locked up iron is released to enhance colour and turf health
- Application rate: 4-12 litres per 1,000m² (40-120 litres per hectare)
- Water volume: 400-1,000 litres per hectare
- Area treated by a 10 litre pack: 833-2,500m²

Suggested use period

J F M A M J J A S O N D

Nutrient levels applied (kg/ha) from one application

	N	P	K
40 litres/ha	1.4	0.6	3.9
80 litres/ha	2.8	1.2	7.8
120 litres/ha	4.2	1.8	11.8

Ca Booster 8+0+0+6.4%Ca+Trace Elements (8+0+0+9CaO+Trace Elements)

- Strengthen plant cell walls to toughen turf during stressful conditions
- Conditions grass plant to maximise Nitrogen uptake
- Promotes the aggregation of soil particles to improve the penetration of roots
- Application rate: 2-6 litres per 1000m²
- Water volume: 400-1,000 litres per hectare
- Area treated by a 10 litre pack: 1,667-5,000m²

Suggested use period

J F M A M J J A S O N D

Nutrient levels applied (kg/ha) from one application

	N	Ca
20 litres/ha	2.1	1.7
40 litres/ha	4.2	3.4
60 litres/ha	6.3	5.0

STEP Liquid Chelated Trace Elements

- Ideal for correcting plant nutrient imbalances
- Contains chelated trace elements to maximise nutrient delivery efficiency
- Designed for use all year round
- Application rate: 2-6 litres per 1000m²
- Water volume: 400-1,000 litres per hectare
- Area treated by a 10 litre pack: 1,667-5,000m²

Suggested use period

J F M A M J J A S O N D

► Quick Tip

Elemental & Oxide Analyses

Throughout this publication you will note an analysis stated in its elemental form followed by the oxide form printed in brackets.

Greenmaster Liquid[®] Effect Fe

- New unique formulation – complexed and chelated iron
- Rapid action – green up within 3 hours
- Treats iron chlorosis
- Long lasting – up to 6 weeks
- True green up – no blackening, no wheel or footmarks
- Foliar and root plant take up
- Low sulphur
- Buffered pH means it can be used in acidic and alkaline conditions and where there are problems such as black layer
- Will give results in winter and summer conditions

Based on a new and unique formulation Effect Fe represents the next generation of liquid iron technology

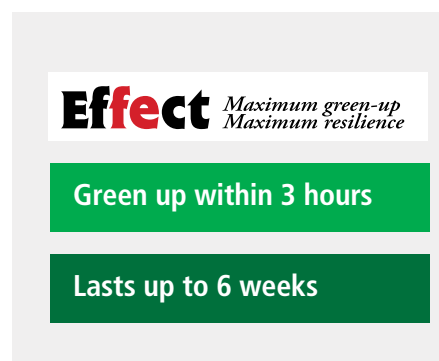
Professional turf managers will know all the secrets of making turf appear in fantastic condition in all weathers and conditions, in preparation for important tournaments – often at extremely short notice. One of those secrets is to know when to give the grass a little extra something. Greenmaster Liquid Effect Fe offers that boost, and has the added benefit of remaining active for a long time after initial application.

Liquid Effect Fe is a unique formulation containing a blend of complexed and chelated irons. It is based on a new and unique formulation, which combines both complexed and chelated iron. This is co-formulated with leaf and soil penetrants to give outstanding foliar and root uptake.

Effect Fe works rapidly, providing genuine plant-derived green-up within three hours and lasts up to six weeks between applications. It toughens up the plants without promoting excessive growth, even preventing black marks from footprints or wheel marks that can come from inferior iron-based fertilisers. It also treats iron chlorosis, avoiding unsightly yellowing of the leaves in poorer conditions.

Like all products in the Greenmaster Liquid range, Effect Fe contains TMax, a cutting-edge agent that enhances nutrient uptake by the plant, through both the roots and the leaves. Unlike conventional iron sulphate-based products Effect Iron Fe creates a true green-up and does not blacken the turf, giving a healthy, natural looking sward.

It is as equally effective on both acidic and alkaline based soils, along with all grass types and climates. It has been tested in both independent university trials and extensive field trials.



Effect 5.4% (6.9%) Fe

- A unique blend of complexed and chelated irons.
- Co-formulated with leaf and soil penetrants to give outstanding foliar and root uptake.
- Green-up within 3 hours.
- Long-lasting – up to 6 weeks.
- Application rate:
1-3 litres per 1,000m²
(10-30 litres per hectare)
- Water volume: 600-1,000 litres per hectare
- Area treated by a 10 litre pack:
3,333-10,000m²

Suggested use period

J F M A M J J A S O N D

Fairwaymaster Fertilisers

Small granule, big performance fertilisers

- Balanced NPK analyses for use throughout the growing season
- Suitable for use on close cut fairways
- Uniformity of grass colour and growth
- Free-flowing granules will not stick to equipment, balls or shoes
- Lower cutting heights possible with mini-granules



Fairwaymaster is a new range of granular NPK fertilisers with coated nitrogen, based on Scotts proven Poly-S technology. Fairwaymaster contains a fast-start portion of nitrogen for an immediate response even at low soil temperatures.

Fairwaymaster improves your fairway appearance via its sophisticated nutrient release pattern and superior granule coverage.



Fairwaymaster Mini High K

16+2.2+18.3
(16+5+22)

- Controlled release fertiliser with 2-3 months longevity
- High K content for pre-stress conditioning
Excellent for closer mown fairways
- With coated nitrogen
- Particle size 0.85-2.00mm
- Application rate: 25-35g/m²
- Area treated by a 25kg bag: 714-1,000m²

Suggested use period

J F M A M J J A S O N D

Nutrient levels applied (kg/ha) from one application

	N	P	K
250kg/ha	40.0	5.5	45.7
350kg/ha	56.0	7.7	63.9

Fairwaymaster Mini

24+2.2+9.1
(24+5+11)

- Economic solution for use on fairways with 2-3 months longevity
- With coated nitrogen
- Ideal as a starter fertiliser because it takes effect quickly in low temperatures
- Particle size 0.85-2.00mm
- Application rate: 25-35/m²
- Area treated by a 25kg bag: 714-1,000m²

Suggested use period

J F M A M J J A S O N D

Nutrient levels applied (kg/ha) from one application

	N	P	K
250kg/ha	60.0	5.5	22.8
350kg/ha	84.0	7.7	32.0

Sierrablen® Plus

The new generation Sierrablen

- Updated coating technology
 - guaranteed extended longevity
 - homogeneous colour and even growth
 - 3 months and 4-5 month longevities
- Smaller granules
 - 7,500 granules/m² – six times more than CRF/coated standard fertilisers
 - better distribution when spreading
 - disperses fast into the sward



The application of new coating technology guarantees a longer-lasting effect and a fast start

Applying modern coating technology and making the granules smaller, Sierrablen Plus gives you a fertiliser with long-lasting effects that also guarantees a more even and prolonged growth of your grass. Which is exactly what you want!

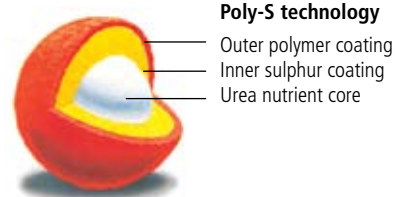
Sierrablen Plus Active (4-5 months) 18+2.2+14.9+1.2%Mg (18+5+18+2%MgO)	Sierrablen Plus Spring Starter (3 months) 24+2.2+10.8+1.2%Mg (24+5+13+2%MgO)	Sierrablen Plus Active (3 months) 19+2.2+14.9+1.2%Mg+Trace Elements (19+5+18+2%MgO+Trace Elements)																																				
<ul style="list-style-type: none"> ■ Spring and summer fertiliser ■ Improved coating technology ensures more efficient nitrogen release ■ Extra magnesium to reinforce the colour 	<ul style="list-style-type: none"> ■ Ideal fertiliser for the start of the season ■ High nitrogen content ensures a fast initial effect ■ Also active at lower temperatures ■ Stimulates root growth and ensures a strong, healthy sward 	<ul style="list-style-type: none"> ■ Improved coating technology ensures more efficient nitrogen release ■ Extra magnesium to reinforce turf colour ■ Complete spectrum of trace elements for healthy strong grass 																																				
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The new generation Sierrablen – a winner

Sierrablen Plus features Poly-S coated fertiliser granules which rely on a dual coated urea granule to regulate the release of nutrients. By utilising a combination of primary sulphur coating followed by an exclusive outer polymer coating, the release of nutrients takes place according to soil temperature and moisture surrounding the granule.

Large changes in soil temperature and/or moisture do not result in severe fluctuations in the release pattern, ensuring that Poly-S provides a non-surge growth characteristic accompanied by deep greening. To enable a quick response in the spring or autumn, most products contain some readily available nutrients. In common with the Sierrablen range, the length of release is determined by the thickness of the coating allowing good longevity to be obtained from a fine granule controlled release fertiliser.



Poly-S technology

Outer polymer coating
Inner sulphur coating
Urea nutrient core



Sierrablen Plus Renovator (3 months)

20+8.7+6.6
(20+20+8)

- Mini granules ensure optimum nutrient distribution for young seedlings/newly laid turf
- Improved coating ensures a slower initial effect and minimises risk of burning
- High phosphate content promotes optimum root growth
- Controlled release nitrogen ensures fast establishment and a dense sward

Application rate: 25-35g/m²

Area treated by a 25kg pack: 714-1,000m²

Suggested use period

J F M A M J J A S O N D

Nutrient levels applied (kg/ha) from one application

	N	P	K
250kg/ha	50.0	22.0	16.6
350kg/ha	70.0	30.8	23.2

Sierrablen Plus Stress Control (3 months)

15+0+23.2
(15+0+28)

- The best preparation for winter gives a full, green sward in the spring
- Extra magnesium reinforces colour
- High proportion of potassium ensures stronger cell walls, resulting in strong grass plants (hardening off)
- The grass plant is more resistant to lower temperatures

Application rate: 25-35g/m²

Area treated by a 25kg pack: 714-1,000m²

Suggested use period

J F M A M J J A S O N D

Nutrient levels applied (kg/ha) from one application

	N	P	K
250kg/ha	37.5	0	58.1
350kg/ha	52.5	0	81.3

Sierrasol®

High analysis fertilisers in water soluble form
for all fine turf areas, surrounds, fairways and tees

- High quality major and minor nutrients in soluble form
- Particularly suited for use in conjunction with Scotts granular fertilisers on high percentage sand-based rootzones
- Applied as a foliar feed or as a root drench

The perfect solution for close and coarse mown turf

Sierrasol water soluble fertilisers contain high quality major and minor nutrients in soluble form. They are particularly suited for use in conjunction with Sierraform mini-granular fertilisers on high percentage sand-based rootzones where more frequent fertilisation and higher inputs of phosphate and potassium are required. Application of Sierrasol can be made either as a foliar feed or as a root drench.



Sierrasol 20+2.2+24.9+Trace Elements (20+5+30+Trace Elements)

- High K, water soluble fertilizer for use as a spring or autumn supplement
- Contains ammoniacal and nitrate nitrogen for cool temperature response

Application rate: 1.5-6.0kg per 1,000m²
(15-60kg per hectare)

Area treated by a 15kg bag: 2,500-10,000m²
in 300-600 litres water per hectare

Suggested use period

J F M A M J J A S O N D

Nutrient levels applied (kg/ha) from one application

	N	P	K
15 kg/ha	3.0	0.4	3.7
30 kg/ha	6.0	0.66	7.5
45 kg/ha	9.0	1.0	11.2
60 kg/ha	12.0	1.3	14.9



Growing success

For more information, contact your Scotts distributor or Scotts direct.

Australia freecall 1800 789 338 or visit www.scottsaustralia.com New Zealand (09) 299 6558 or visit www.scottsnz.com

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