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# Grass Seed

## Seed Quality

If you want your amenity grass to perform without compromise then it is vital to start by selecting and sowing the right mixture. This will encompass a number of key features. Firstly, the mixture will contain **species and varieties** that have been **selected and bred** to deliver the results that you expect – whether it is for a football pitch, tennis court or bowling green.

The **quality of the seed** which goes into each and every bag is also critical. Nobody wants to introduce weeds onto the site they are seeding and excessive quantities of dust or inert matter will make absolutely no contribution to any projects which you are planning to undertake. But seed purity is only half the story – the ability of the clean seed to germinate and establish rapidly is just as important.

When you specify an MM mixture you can rest assured that all these important aspects have been covered as part of our comprehensive Quality Control Programme. With state of the art seed cleaning facilities and a well equipped seed testing laboratory we know that every seed that goes into an MM bag is there for the right purpose.

And when you invest in an MM mixture there is an added quality bonus – our mixtures are treated with Headstart. This user-friendly, non toxic treatment can help your grass get off to the best possible start – especially if conditions at sowing time are less than ideal.

So, next time you are buying an amenity mixture remember that not all grass seeds are created equal! Make the wrong choice and your project could be compromised from day one. Make the right choice – MM mixtures – and all your projects will have the best foundation for future growth.



## YOUR KEY TO THE SUCCESSFUL ESTABLISHMENT OF ALL GRASS AREAS.

The natural revolutionary grass seed treatment that ensures rapid germination

HEADSTART® **GOLD** is the latest in performance enhancing grass seed coatings for sports fields, golf courses, lawns and amenity turf.

HEADSTART® **GOLD** is a biological germination accelerator which is the second generation of the original headstart formula. HEADSTART® **GOLD** has been further developed and improved in a number of different ways through research, testing and field trials work. HEADSTART® **GOLD** benefits from minerals such as Phosphorus, Sulphur, Copper and Molybdenum. These nutrients stimulate root formation, development and growth, ensuring that the seedling grass plant develops a strong root system during the critical start-up phase. This leads to better access to moisture and nutrients and makes the grass seedling plant stronger and more resistant to stress.

In a short time, HEADSTART® **GOLD** can help you by giving faster germination, creating stronger roots and ultimately, healthier and stronger amenity turf. The improved seed technology of HEADSTART® **GOLD** works to help improve amenity grass establishment in all situations. This, along with quality MM seed, gives sports and amenity turf the best possible start in all reseeding of sports and amenity situations.

HEADSTART® **GOLD** comes as standard on all MM seed mixtures. MM seed offers the highest quality seed in germination and purity standards, meeting the high demands and expectations of today's professional grass users.



GOLF

# Which MM Golf mixture is ideal for you?

## TECHNICAL OVERVIEW

The demand and pressure placed on the modern day Greenkeeper to produce the best possible, consistent playing surfaces continually grows at a pace. Ever improving standards and increases in the amount of winter golf add to the difficulty of the task. In order to satisfy the needs of today's golfers it is of paramount importance to choose the best grass seed mixtures available. Seed quality, purity and vigour are the essential building blocks for success. Don't compromise your plans and projects, choose seed from the MM Range.

### GOLF GREENS

Greens are often the focus of praise (or criticism!) at any club and are invariably what the whole course is judged on. Success will largely depend on the skill and expertise of the Greenkeeper and their turf management practices. Correct grass seed selection and the desire for improvement are equally as important.

The traditional chewing fescue/browntop bent mix, **MM11**, remains a popular choice in many cases and can be used from spring to autumn. It is ideal for new constructions and overseeding existing swards. A slight variation of which is **MM10**, both mixes are fine leaved, disease resistant and make good, dense putting surfaces.

Where it is difficult to maintain fescue in the sward or where levels of wear are greater use **MM9**, a three way browntop bent mixture, in late summer/early autumn for best results. Maintenance requirements will be higher as it produces an aggressive growing, tight, dense sward for the ultimate surface.

For links style courses, sustainable golf or for early season overseeding use **MM8**, a four way fescue mix with excellent disease resistance, drought tolerance and minimal fertiliser requirements.



### GOLF TEES

A mixture that is both capable of rapid establishment and fast recovery from divot scarring and high wear is a valuable asset on any course. An all ryegrass blend, such as **MM50**, is the most practical solution. For large tees where play is less intense, **MM22** is a viable option. Where damage and wear are minimal use **MM12** or **MM13**, both are suited to links style courses, are drought tolerant and have low maintenance requirements.

### GOLF FAIRWAYS

Adaptability is probably the key attribute here because soil conditions, light and shade, contouring and wear will vary markedly in different areas of the course. Choose low maintenance, drought tolerant mixtures with creeping varieties where wear levels are low, such as **MM12** or **MM13** and select ryegrass mixes, such as **MM22** or **MM50**, on high divot or intense wear areas.

**MM 7**

## EXTREME WEAR GOLF GREENS

A modern mixture for quick renovations of worn and damaged areas of fine turf.

- Fast germination and establishment
- High wear tolerance
- Fine leaved
- Fast coverage of damaged areas and emergency repair work

**Available in**

**20 kilo packs**

**40% Cyrena** Perennial Ryegrass

**40% Venice** Perennial Ryegrass

**10% Caldris** Chewings Fescue

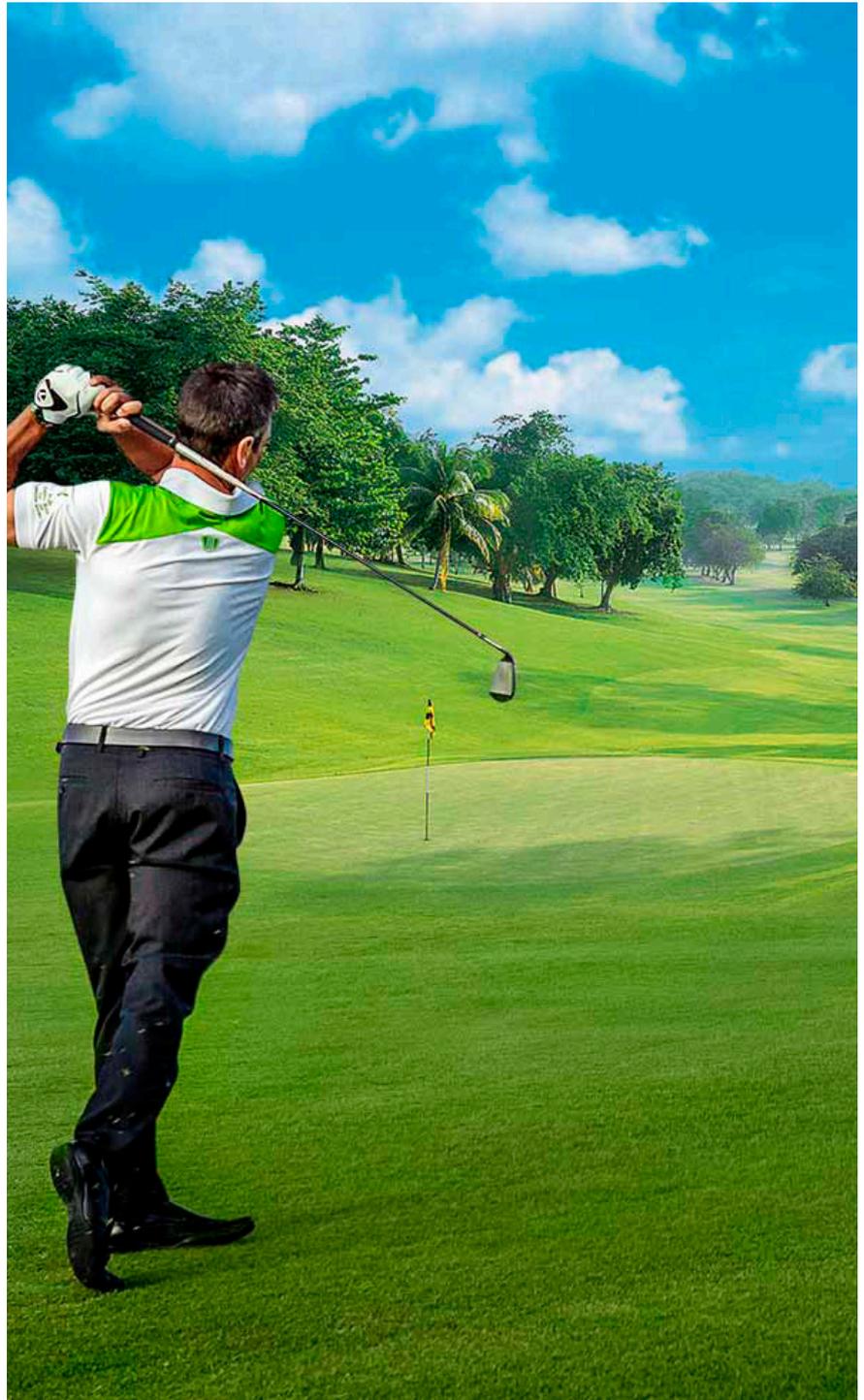
**10% Sefton** Browntop Bent

sowing rate 35g/m<sup>2</sup>

oversowing rate 10 - 20g/m<sup>2</sup>

pack size 20kg

mowing height down to 5mm





## MM 8

### GREENS

A traditional mixture, especially useful for spring overseeding of high quality golf greens to improve sward composition and aid recovery from disease scarring.

- Excellent for spring and summer overseeding
- Very drought tolerant
- Greater disease resistance
- Low nutrient requirement
- Produces a fine, dense sward
- Suits traditional, sustainable and
- Links style regimes

**40% Caldris** Chewing Fescue

**15% Carousel** Slender Creeping Red Fescue

**45% Aporina** Slender Creeping Red Fescue

sowing rate 25g-35g/m<sup>2</sup>

oversowing rate 15-25g/m<sup>2</sup>

pack size 20kg

mowing height Down to 5mm



## MM 9

### GREENS

Excellent mixture for summer overseeding and autumn renovation of top quality golf greens.

- Ideal for summer overseeding, autumn renovation and new constructions
- Produces a fine, dense sward for the ultimate playing surface
- Good year round colour
- Disease resistant
- Hard wearing
- Very tolerant to close mowing

**50% Sefton**      Browntop Bent

**30% Egmont**      Browntop Bent

**20% Arletta**      Browntop Bent

sowing rate 8g/m<sup>2</sup>

oversowing rate 5g/m<sup>2</sup>

pack size 20kg

mowing height 4-8mm

## MM 10

### GREENS, TEES AND SURROUNDS

Alternative to the traditional 80:20 mixture for construction, overseeding, renovating and repairing high quality greens and tees.

- Produces a fine, dense sward
- Tolerant to close mowing
- Disease resistant and hard wearing
- Good wear tolerance
- Year round colour
- Excellent for top quality golf greens, tees, surrounds and approaches

**40% Caldris**      Chewings Fescue

**40% Aporina**      Slender Creeping Red Fescue

**12% Sefton**      Browntop Bent

**8% Egmont**      Browntop Bent

sowing rate 35g/m<sup>2</sup>

oversowing rate 25-35g/m<sup>2</sup>

pack size 10kg and 20kg

mowing height 4-8mm

## MM 11

### GREENS

Traditional mixture for overseeding, renovation and construction of high quality golf greens and for sward improvement.

- Ideal mixture for use in Spring, Summer and Autumn on existing and new surfaces
- Produces a fine, dense sward for superior golf greens
- Tolerant to close mowing
- Excellent disease resistance
- Good wear characteristics
- Lower nutrient and irrigation requirements

**40% Caldris**      Chewings Fescue

**40% Wagner 1**      Chewings Fescue

**8% Sefton**      Browntop Bent

**12% Egmont**      Browntop Bent

sowing rate 35g/m<sup>2</sup>

oversowing rate 25-35g/m<sup>2</sup>

pack size 10kg and 20kg

mowing height 4-8mm



## MM 12

### TEES & FAIRWAYS

For excellent wear tolerance and recovery on existing and new golf tees and fairways. Ideal for divotting, overseeding and new construction work.

#### New Formulation

- Excellent wear tolerance for a fine turf mix
- Good, year round appearance
- Lower nutrient, irrigation and maintenance requirements
- Produces a fine, dense, disease resistant sward
- Excellent mixture particularly for new constructions

**30% Caldris** Chewings Fescue

**25% Aporina** Slender Creeping Red Fescue

**40% Heidrun** Strong Creeping Red Fescue

**5% Highland** Browntop Bent

sowing rate 25-35g/m<sup>2</sup>

oversowing rate 15-25g/m<sup>2</sup>

pack size 20kg

mowing height 6-20mm



## MM 13

### TEES, FAIRWAYS, OUTFIELDS AND WITHOUT SSMG

High quality traditional mixture for overseeding or renovating fine dense tees, fairways and roughs, particularly where maintenance and input levels are low.

- Excellent drought resistance
- Low maintenance requirements
- Good recovery characteristics
- High disease resistance
- Ideal for divotting tees and fairways
- Suitable for semi-rough and rough areas

<b>30% Caldris</b>	Chewings Fescue
<b>25% Aporina</b>	Slender Creeping Red Fescue
<b>10% Crystal</b>	Hard Fescue
<b>35% Heidrun</b>	Strong Creeping Red Fescue

sowing rate 25-35g/m<sup>2</sup>  
 oversowing rate 15-25g/m<sup>2</sup>  
 pack size 20kg  
 mowing height 6-20mm

## MM 22

### TEES, FAIRWAYS & DRIVING RANGES

For divotting, repairing, renovating, overseeding and construction of tees, fairways and outfield areas that are subjected to high levels of wear.

#### New Formulation

- Very hard wearing
- Quick to establish and recover
- Good sward density and colour
- Suitable for surrounds and approaches
- Excellent mixture for year round performance

<b>30% Alison</b>	Perennial Ryegrass
<b>20% Malibu</b>	Perennial Ryegrass
<b>20% Aporina</b>	Slender Creeping Red Fescue
<b>25% Heidrun</b>	Strong Creeping Red Fescue
<b>5% Highland</b>	Browntop Bent

sowing rate 25-35g/m<sup>2</sup>  
 oversowing rate 15-25g/m<sup>2</sup>  
 pack size 10kg and 20kg  
 mowing height 8-25mm

## MM 50

### TEES, FAIRWAYS & DRIVING RANGES

Superior divot mix for fast establishment and recovery in extreme high wear areas such as tees, fairways, outfields and even golf greens.

- Ideal for extreme wear areas
- Fast establishing and resilient, ideal for divotting, seeding and overseeding
- Fine leafed and tolerates close mowing
- Disease resistant and good colour
- Good density and cleanness of cut
- Can be used all year long

<b>40% Malibu</b>	Perennial Ryegrass
<b>30% Venice</b>	Perennial Ryegrass
<b>30% Alison</b>	Perennial Ryegrass

sowing rate 35g/m<sup>2</sup>  
 oversowing rate 25-35g/m<sup>2</sup>  
 pack size 10kg and 20kg  
 mowing height 6-15mm



WINTER SPORTS

# Which MM Winter Sports mixture is ideal for you?

## TECHNICAL OVERVIEW

### FOOTBALL AND RUGBY

Selecting the correct mixture is vitally important when renovating or constructing a winter sports pitch. The mixtures must be able to perform in differing environments from the public park pitch to the premier league stadia to provide a first class sward.

With these demands in mind, MM60 has been developed over the years to provide high quality grass surfaces across the country. The four way ryegrass blend contains top rated cultivars, including Madrid – the Number 1 ryegrass for sports pitches. These cultivars together produce a sward that recovers from scarring and divot damage. They are quick to germinate and establishment is rapid thanks to the Headstart treatment. Superior disease resistance along with good all year colour make this the mixture of choice for many grounds managers.

For new pitch constructions MM 25 may also be used, this ryegrass and fescue mix will establish quickly giving a dense, hard wearing sward that has strong root growth in the early stages of sward development. The mix contains high quality cultivars that perform in a wide range of situations.

### RACECOURSES

Race tracks and polo fields have to withstand a high degree of damage from horses over a whole season which means that selecting the right mixture for renovation is important. MM 60 will provide a dense hard wearing surface that recovers quickly from divots as it is 100% ryegrass, it germinates quickly from spring through to late in the autumn. MM 25 and MM 22 containing ryegrass and fescues provide cushioning in the bottom of the sward.





**MM 25**

## FOOTBALL, GAELIC, RUGBY & SPORTS FIELDS

Construction and renovation of football pitches, rugby pitches and sportsfields.

- Fast germination
- High wear tolerance
- Produces a dense sward
- Excellent for stadium use
- High disease resistance
- Produces an excellent playing surface in a stadium environment

**20% Melbourne** Perennial Ryegrass

**35% Cyrena** Perennial Ryegrass

**25% Eurosport** Perennial Ryegrass

**20% Heidrun** Strong Creeping Red Fescue

sowing rate 35-50g/m<sup>2</sup>

oversowing rate 25-50g/m<sup>2</sup>

pack size 20kg

mowing height 25mm plus

**MM 60**

## THE LEADING WINTER SPORTS RENOVATION MIXTURE

Renovation of football pitches, rugby pitches and sportsfields.

- Fast germination and establishment
- Produces a dense hard wearing sward
- Recovers quickly from damage and wear
- High disease resistance
- Produces an excellent playing surface in a stadium environment

**30% Eurosport** Perennial Ryegrass

**30% Eurocordus** Perennial Ryegrass

**25% Columbine** Perennial Ryegrass

**15% Cyrena** Perennial Ryegrass

sowing rate 35-50g/m<sup>2</sup>

oversowing rate 25-50g/m<sup>2</sup>

pack size 20kg

mowing height 25mm plus





## MM 22

### RACECOURSES, GALLOPS & POLO

A ryegrass and fescue blend for racecourses and gallops.

#### New Formulation

- Fast germination
- Dense, attractive sward
- Good wear tolerance
- Good recovery from damage
- Fescues provide a creeping growth habit and cushioning

**30% Alison** Perennial Ryegrass

**20% Malibu** Perennial Ryegrass

**20% Aporina** Slender Creeping Red Fescue

**25% Heidrun** Strong Creeping Red Fescue

**5% Highland** Browntop Bent

sowing rate 35-50g/m<sup>2</sup>

oversowing rate 25-35g/m<sup>2</sup>

pack size 10kg and 20kg

mowing height 13-20mm

## MM 25

### RACECOURSES, GALLOPS & POLO

Renovation and divot repair for racecourses, gallops and polo fields.

- Quick germination leading to fast establishment
- Hard wearing, dense attractive sward
- Fast recovery from divots and damage
- Fescue provides creeping growth habit and cushioning
- High disease resistance

**20% Melbourne** Perennial Ryegrass

**35% Cyrena** Perennial Ryegrass

**25% Eurosport** Perennial Ryegrass

**20% Heidrun** Strong Creeping Red Fescue

sowing rate 35-50g/m<sup>2</sup>

oversowing rate 25-50g/m<sup>2</sup>

pack size 20kg

mowing height 25mm plus

## MM 60

### RACECOURSES, GALLOPS & POLO

Renovation and divot repair for racecourses, gallops and polo fields.

#### New Formulation

- Extremely fast germination
- Quick establishment
- High wear tolerance
- Fast divot recovery
- High disease resistance
- Produces great colour

**30% Eurosport** Perennial Ryegrass

**30% Eurocordus** Perennial Ryegrass

**25% Columbine** Perennial Ryegrass

**15% Cyrena** Perennial Ryegrass

sowing rate 35-50g/m<sup>2</sup>

oversowing rate 25-50g/m<sup>2</sup>

pack size 20kg

mowing height 25mm plus



SUMMER SPORTS



# Which MM Summer Sports mixture is ideal for you?

## TECHNICAL OVERVIEW

The inevitable aim of today's professional Groundsman is to produce "The best possible, consistent playing surface". In order to achieve this aim, Seed Quality, Purity and Vigour are the underpinning factors required for long term success and are duly provided by the MM Range. Ally this with choosing mixtures that both suit the environmental situation and meet the requirements of the maintenance regime in order to make the best possible start.

### BOWLING GREENS & CROQUET LAWNS

Still the most popular choice for high quality bowling greens is the traditional 80:20 fescue/ bent mix such as **MM11** which is most suitable in many situations. A slight variation on this theme is the **MM10**. One can of course use **MM8** which is a four way straight Fescue mixture. Ideal for free draining, drought susceptible and low input/maintenance bowling greens that are not subjected to excessive wear. And there is **MM9**, a three way straight Bent mix suited to greens that are less well draining, have higher wear and input/maintenance levels are higher. In certain situations, good results can also be achieved from using a dwarf rye mix such as **MM50**.

### CRICKET WICKETS

For intensively used cricket wickets **MM50** is the preferred choice. A four way dwarf rye mixture for the ultimate in wear tolerance, speed of establishment, recovery and tolerance of close mowing. Currently being used from club cricket right up to Test Match level. For less intensive use and reduced maintenance requirements choose **MM29**, still with hard wearing dwarf rye grasses but also with traditional fescue and bent.

### CRICKET OUTFIELDS

Our regular mixture for cricket outfield is **MM12**, containing Smooth Stalked Meadow Grass, which has low maintenance requirements and good recovery characteristics. Depending on precise requirements, one could also use **MM13** for overseeding or **MM22** where outfield are subjected to greater levels of wear.

### TENNIS

Excellent performance characteristics make **MM50** the number one choice for tennis. A four way dwarf rye mix with superior wear tolerance, fast establishment and excellent recovery, some of which is used at the very highest level. For low use/minimal input use **MM29**.



## MM 29

### CRICKET SQUARES AND OUTFIELDS

- Fast germination
- Fine and dense sward
- Good recovery from damage
- Good disease resistance
- Compact growth
- Clean cutting quality

<b>40% Malibu</b>	Perennial Ryegrass
<b>25% Alison</b>	Perennial Ryegrass
<b>30% Caldris</b>	Chewings Fescue
<b>5% Highland</b>	Browntop Bent

sowing rate 35g/m<sup>2</sup>  
oversowing rate 25-50g/m<sup>2</sup>  
pack size 20kg  
mowing height 4-20mm

## MM 50

### CRICKET SQUARES RENOVATION AND REPAIR

#### New Formulation

- Rapid germination
- Quick recovery from damage and play
- Fine leaved and hard wearing mix
- High shoot density
- High disease resistance
- Tolerant to close mowing
- Good all year round colour

<b>40% Malibu</b>	Perennial Ryegrass
<b>30% Venice</b>	Perennial Ryegrass
<b>30% Alison</b>	Perennial Ryegrass

sowing rate 35-45g/m<sup>2</sup>  
oversowing rate 25-35g/m<sup>2</sup>  
pack size 20kg  
mowing height 4-20mm

## MM 12

### CRICKET OUTFIELDS WITHOUT RYEGRASS

#### New Formulation

- Produces a fine dense sward
- Lower mowing requirements
- Less water and nutritional requirements
- Strong recovery from creeping grasses
- Good disease resistance

<b>30% Caldris</b>	Chewings Fescue
<b>25% Aporina</b>	Slender Creeping Red Fescue
<b>40% Heidrun</b>	Strong Creeping Red Fescue
<b>5% Highland</b>	Browntop Bent

sowing rate 25-35g/m<sup>2</sup>  
oversowing rate 15-25g/m<sup>2</sup>  
pack size 20kg  
mowing height 13-25mm



**MM 8**

## BOWLING GREENS & CROQUET LAWNS

Quality traditional mixture, especially useful for spring overseeding of high quality bowling greens to improve sward composition and aid recovery from disease scarring.

- Excellent for spring and summer overseeding
- Very drought tolerant
- Greater disease resistance
- Low nutrient requirement
- Produces a fine, dense sward
- Ideal mixture for low input, free draining and traditional bowls greens

**40% Caldris** Chewings Fescue

**15% Carousel** Slender Creeping Red Fescue

**45% Aporina** Slender Creeping Red Fescue

sowing rate 25g- 35g/m<sup>2</sup>

oversowing rate 15g- 25g/m<sup>2</sup>

pack size 20kg

mowing height Down to 5mm



## MM 9

### BOWLING GREENS & CROQUET LAWNS

Excellent mixture for summer overseeding and autumn renovation of top quality bowling greens.

- Ideal for summer overseeding, autumn renovation and new constructions
- Produces a fine, dense sward for the ultimate playing surface
- Good year round colour
- Disease resistant
- Hard wearing
- Very tolerant to close mowing

**50% Sefton**      Browntop Bent

**30% Egmont**      Browntop Bent

**20% Arletta**      Browntop Bent

sowing rate 8g/m<sup>2</sup>

oversowing rate 5g/m<sup>2</sup>

pack size 20kg

mowing height 4-8mm

## MM 10

### BOWLING GREENS & CROQUET LAWNS

Alternative to the traditional 80:20 mixture for construction, overseeding, renovating and repairing high quality bowling greens and croquet lawns.

- Produces a fine, dense sward
- Tolerant to close mowing
- Disease resistant and hard wearing
- Good wear tolerance
- Year round colour
- Excellent for top quality bowling greens and croquet lawns

**40% Caldris**      Chewings Fescue

**40% Aporina**      Slender Creeping Red Fescue

**12% Sefton**      Browntop Bent

**8% Egmont**      Browntop Bent

sowing rate 35g/m<sup>2</sup>

oversowing rate 25-35g/m<sup>2</sup>

pack size 20kg

mowing height 4-8mm

## MM 11

### BOWLING GREENS & CROQUET LAWNS

Traditional mixture for overseeding, renovation and construction of high quality bowling greens and croquet lawns and for sward improvement.

- n Ideal mixture for use in spring, summer and autumn on existing and new constructions
- n Produces a fine, dense sward for superior playing surfaces
- n Tolerant to close mowing
- n Excellent disease resistance
- n Good wear characteristics
- n Lower nutrient and irrigation requirements

**40% Caldris**      Chewings Fescue

**40% Wagner 1**      Chewings Fescue

**12% Sefton**      Browntop Bent

**8% Egmont**      Browntop Bent

sowing rate 35g/m<sup>2</sup>

oversowing rate 25-35g/m<sup>2</sup>

pack size 20kg

mowing height 4-8mm



LANDSCAPING

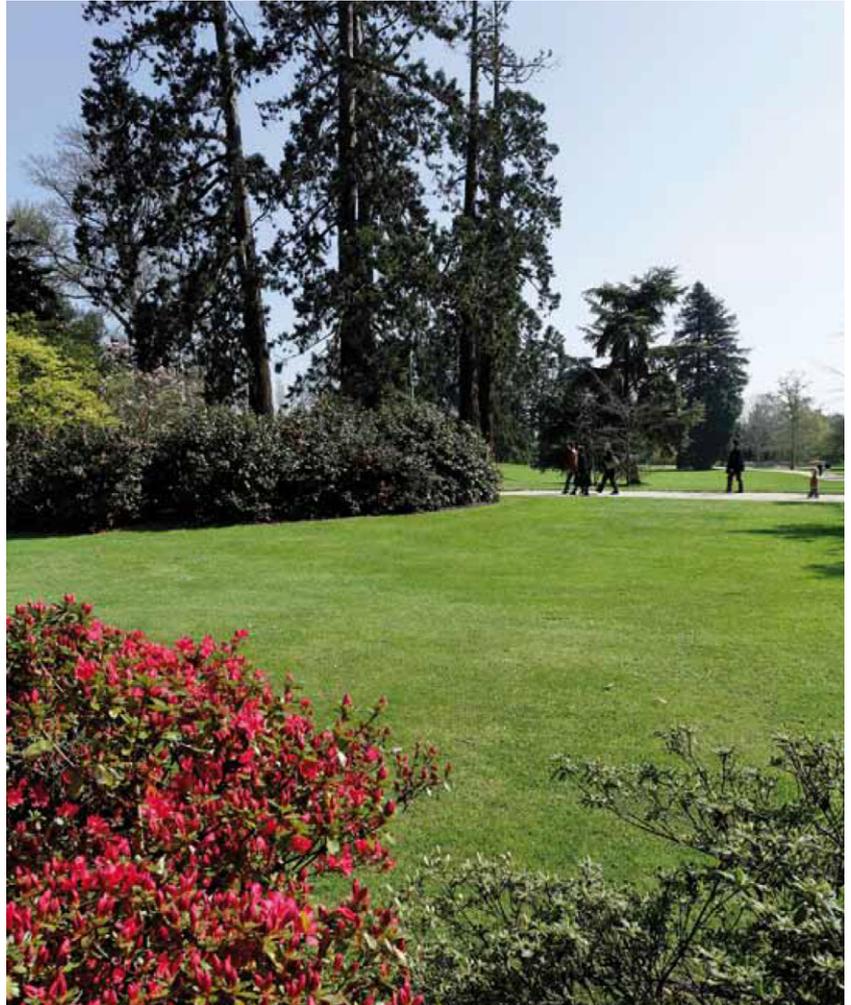
# Which MM Landscaping mixture is ideal for you?

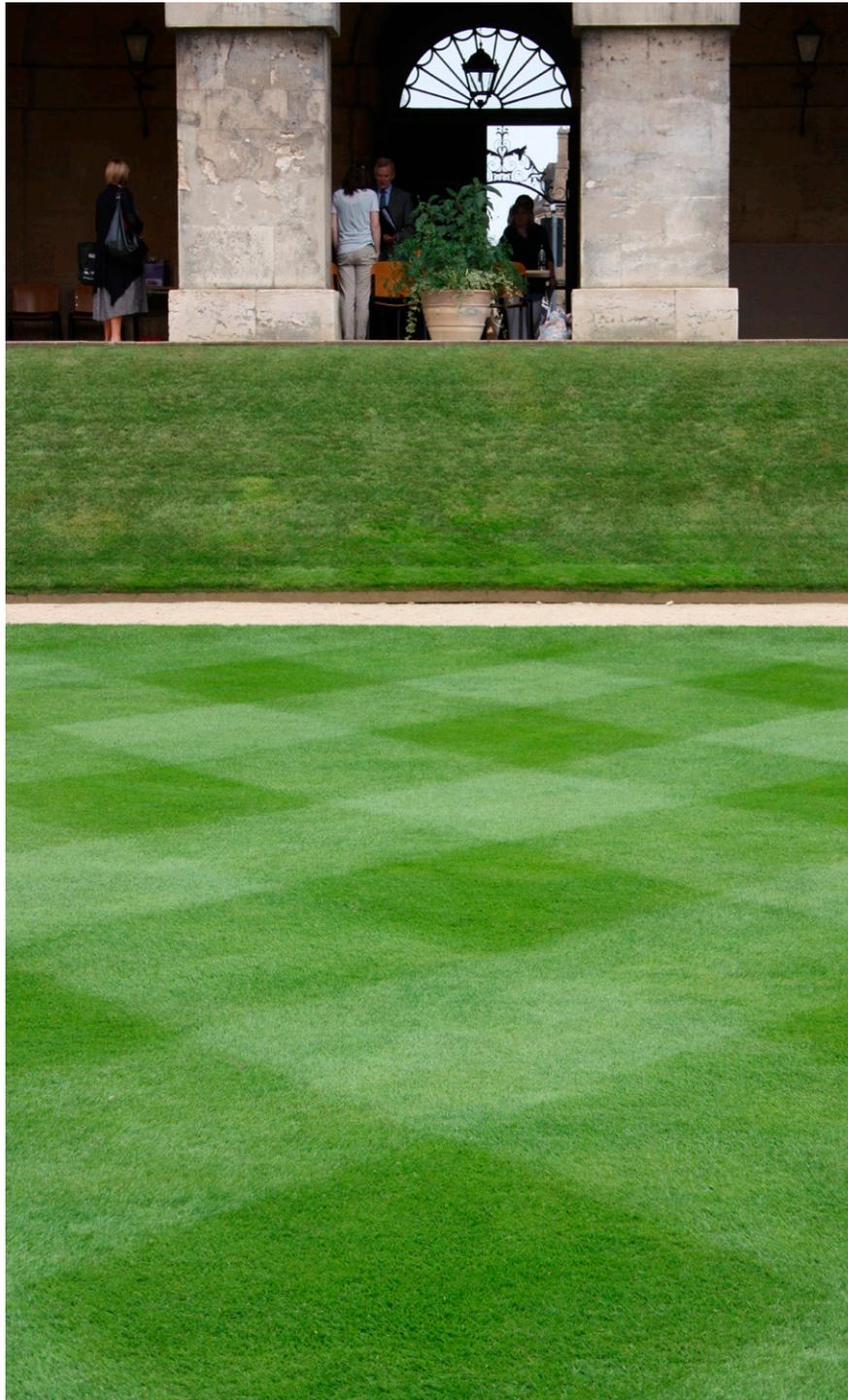
## TECHNICAL OVERVIEW

When selecting mixtures for landscaping purposes it is vital that due consideration is given to both the end use and also the intended maintenance regime. A non ryegrass sward will require less maintenance, resulting in reduced mowing and fertiliser which enhances environmental issues. For these types of areas, MM16 produces a fine looking sward that is drought and shade tolerant. The inclusion of a range of fescues, particularly Crystal – the top rated Hard Fescue – provides these key attributes. This mixture is also very good for soil stabilisation of embankments and steep slopes whilst remaining low maintenance.

Where both lower maintenance and some tolerance to hard wear are required use MM21. This successful blend of 20% rye and 80% fescue are well suited for both objectives.

MM22 will produce a hard wearing, yet attractive sward that has the fine leaved ryegrass cultivars alongside the drought tolerant fescues which together produce an excellent year round lawn or landscape area.





**MM 16**

## LOW MAINTENANCE LAWNS AND LANDSCAPE AREAS

- Drought and shade tolerant
- Low nutrient requirements
- Reduced mowing
- Good soil stabilisation
- Produces an attractive, fine, dense sward

<b>25% Caldris</b>	Chewings Fescue
<b>25% Aporina</b>	Slender Creeping Red Fescue
<b>30% Heidrun</b>	Strong Creeping Red Fescue
<b>15% Crystal</b>	Hard Fescue
<b>5% Highland</b>	Browntop Bent

sowing rate 25-35g/m<sup>2</sup>

oversowing rate 25g/m<sup>2</sup>

pack size 20kg

mowing height 10-50mm

## MM 21

### LAWNS AND LANDSCAPING WITH LOW RYEGRASS

- Produces a dense, fine and attractive sward
- Drought and shade tolerant
- Tolerates a range of soil types
- Good all year round appearance
- General purpose mixture

<b>25% Malibu</b>	Perennial Ryegrass
<b>30% Caldris</b>	Chewings Fescue
<b>25% Aporina</b>	Slender Creeping Red Fescue
<b>15% Heidrun</b>	Strong Creeping Red Fescue
<b>5% Highland</b>	Browntop Bent

sowing rate 35g/m<sup>2</sup>  
oversowing rate 25-35g/m<sup>2</sup>  
pack size 20kg  
mowing height 5-25mm

## MM 22

### QUALITY LAWNS AND LANDSCAPE AREAS

#### New Formulation

- Rapid establishment
- Hard wearing
- Good recovery from damage
- Excellent all year round appearance
- Produces a fine, attractive sward
- High disease resistance

<b>30% Alison</b>	Perennial Ryegrass
<b>20% Mailbu</b>	Perennial Ryegrass
<b>20% Aporina</b>	Slender Creeping Red Fescue
<b>25% Heidrun</b>	Strong Creeping Red Fescue
<b>5% Highland</b>	Browntop Bent

sowing rate 25-35g/m<sup>2</sup>  
oversowing rate 25g/m<sup>2</sup>  
pack size 20kg  
mowing height 10-50mm

# Premium range of sports and amenity grass seed mixtures

Lindsays premium grass seed mixtures have been carefully designed to meet the varied requirements for amenity and landscape areas. All the varieties used in these mixtures have been thoroughly tested at the Sports Turf Research Institute and we assure you of a quality product that will meet your requirements for play, appearance and maintenance.

**All Headstart treated**



## AMENITY

This mixture is designed to look good and wear well under varied conditions, a very good general purpose mix, which can be used in a number of situations. It is hard wearing and keeps a good green colour all through the year. It is an ideal mixture for overseeding or reseeding areas of high wear, for use in utility areas, back lawns, golf tees, road verges. The mixture contains true amenity grasses all tested by the STRI.

**15% Himalaya** Perennial Ryegrass

**35% Double** Perennial Ryegrass

**20% Margarita** Strong Creeping Red Fescue

**30% Corail** Strong Creeping Red Fescue

Sowing Rate: 35g per sq. m.

Pack Size 25kg

Mowing height: 25mm



## LAWNPRIDE

**Tennis Courts, Hockey Pitches, Landscaping, Hard Wearing Lawns.**

A dual purpose mixture combining the fine texture quality of fescue with the wear tolerance of turf type perennial ryegrass. This excellent combination makes the mixture ideal for tennis, hockey, general landscaping and domestic lawns.

**30% Passion** Perennial Ryegrass

**25% Platinum** Perennial Ryegrass

**10% Trophy** Chewings Fescue

**35% Corail** Strong Creeping Red Fescue

Sowing rate: 35g per sq. m.

Pack Size 25kg

Mowing height: 25mm

## FINEGREEN

**Tees and Fairways, Cricket Outfields, Fine Lawns, Shaded Areas.**

An ideal mixture for those requiring a fine leaved dense sward. This ryegrass free mixture will be quick to establish, showing good all year round colour with the added benefit of shade and drought tolerance.

**25% Trophy** Chewings Fescue

**20% Smirna** Slender Creeping Red Fescue

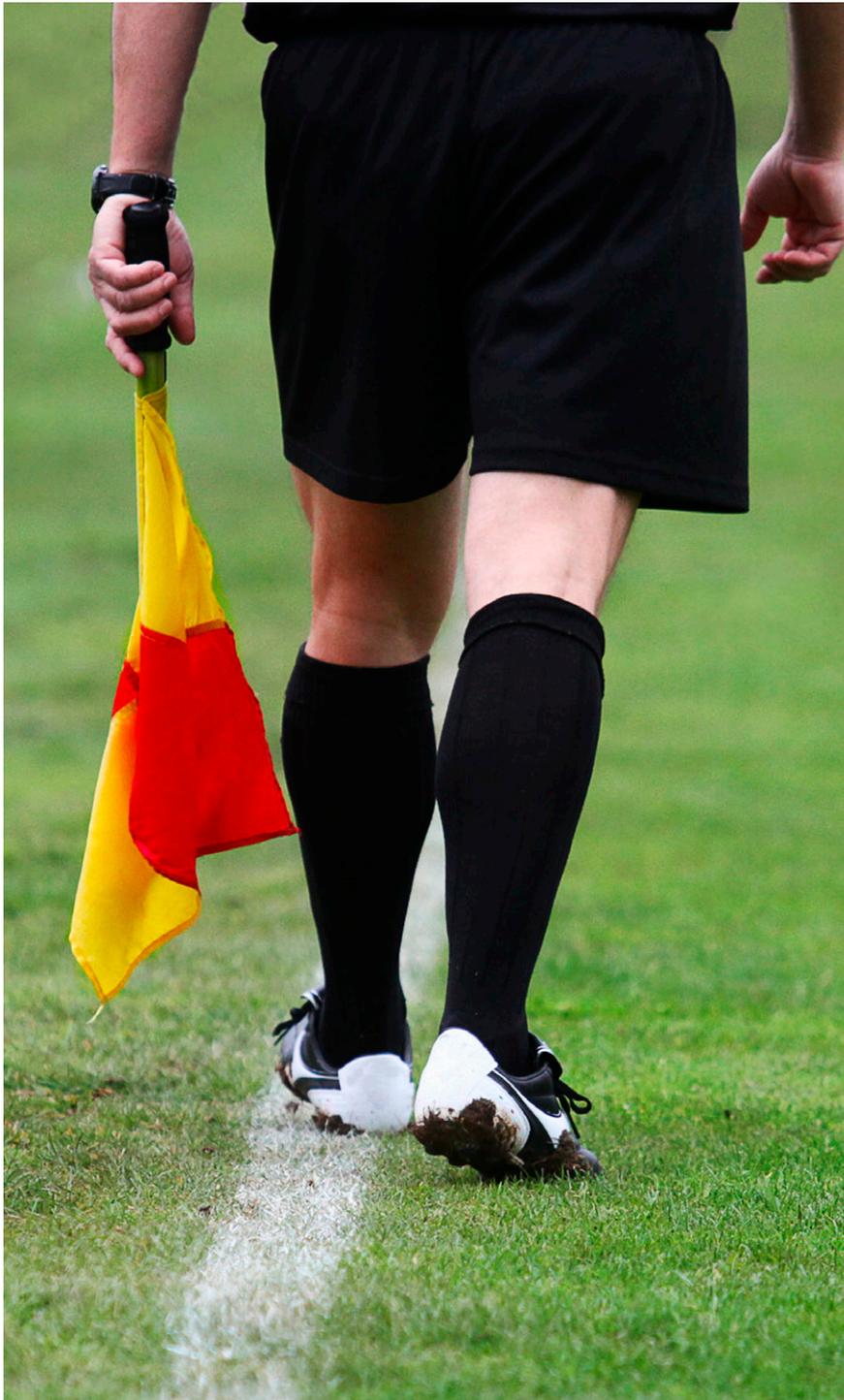
**50% Heidrun** Strong Creeping Red Fescue

**5% Highland** Browntop Bent

Sowing rate: 35g per sq. m.

Pack Size 25kg

Mowing height: 10-25mm



## RYEBLEND (REPLAY)

**Sportsfield Renovation,  
Ryegrass Tees and Cricket  
Squares.**

A blend of turf type perennial ryegrasses selected for their individual qualities of wear tolerance, shoot density, and disease resistance. This mixture is ideal for the renovation of football and rugby pitches, providing a hard wearing resilient playing surface.

**45% Himalaya** Perennial Ryegrass

**30% Melbourne** Perennial Ryegrass

**25% Bocelli** Perennial Ryegrass

Sowing rate: 35g per sq. m.

Pack Size 25kg

Mowing height: 25mm

# Colour Splash

Limagrain   
United Kingdom

## The Origins and Benefits of Colour Splash

Over the last few years, our **Colour Splash** mixtures have started to be used on many different sites in the UK, to our, and many others delight. The mixtures have been used in a broad range of landscape and amenity areas. The development of the mixtures started over ten years ago in the county of Loir-et-Cher, in the centre of France.

**Colour Splash** mixtures meet the numerous expectations of the public, who enjoy seeing a dash of colour, but their effect on the landscape is the most obvious one. For wildlife, they can provide a refuge that offers a rich and varied source of food.

When sown strategically near municipal sites and landscape areas, our **Colour Splash** mixtures represent a remarkably simple way of brightening up such locations and enhancing their aesthetic appeal to the general public.

For bees, butterflies and other pollinating insects, they are a source of pollen and nectar - sometimes very useful when other resources are scarce.

### Benefits of Colour Splash:

- Only flowers (no forage or grasses)
- Very easy to sow in the spring
- Vigorous plants, capable of competing with weeds



- Fast flowering and as long-lasting as possible
- Well balanced and successional flowering
- Robust plants, capable of resisting a reasonable period of drought
- Cost effective
- Possible to hand weed



# WILDFLOWERS



## CORN FIELD ANNUALS MIXTURE FOR USE IN LARGE AREAS

A popular mixture bringing together all the elements needed to produce a field of traditional wildflowers that would reflect how meadows would look if they were left to grow wild.

<b>55%</b>	<b>Corncockle</b>	<i>Agrostemma githago</i>
<b>17.5%</b>	<b>Marigold, Corn</b>	<i>Chrysanthemum segetum</i>
<b>12.5%</b>	<b>Cornflower</b>	<i>Centaurea cyrasnus</i>
<b>10%</b>	<b>Poppy, common</b>	<i>Papaver rhoeas</i>
<b>5%</b>	<b>Chamomile, Corn</b>	<i>Athemis arvensis</i>

sowing rate 2g/m<sup>2</sup>

# AWF Range of Wildflowers

The sowing rate for the AWF Wildflower mixtures is 4 g/m<sup>2</sup> and the pack size is 1 kilo



All these AWF Wildflower mixtures contain 80% grasses and 20% native British produced wild flowers.

## SHADED SOILS

### AWF 1

A carefully selected mixture suitable for shaded woodland soils.

## WETLAND SOILS

### AWF 2

Suitable for damp, moist and wet soils and also on saturated banks of ponds, streams, rivers and ditches.

## LIME/CALCAREOUS SOILS

### AWF 3

On soils overlying limestone or chalk particular types of flowers can be found and these are contained in this carefully selected blend of species.

## CLAY SOILS

### AWF 4

This mixture should be sown on all clay soils and uses species typically found on this soil type.

## ACID SOILS

### AWF 5

The flowers selected in this mixture naturally occur on soils characterised by a low pH, which allows you to produce a flowery sward on a range of acid soils.

## LOAM/ALLUVIAL SOILS

### AWF 6

This mixture is suitable for establishing flowery grassland on all loam/alluvial type soils and can produce a rich diverse sward.

## HEDGEROWS

### AWF 7

Suitable for field and woodland margins.

## SANDY SOILS

### AWF 8

On free-draining sandy soils we advise the use of this mixture to recreate a meadow typical for this soil type.

## FLOWERING LAWN

### AWF 9

A new mixture that combines slow growing grasses and a blend of low growing wild flowers that will create a stunning flowering lawn or grassland area.

## POLLINATORS MIX

### AWF 10

A new mixture containing perennial wild flowers and grasses that create a wild flower environment suited to attract, bees, butterflies and other pollinators. The mix is suited to a range of soil types.

# Fertilisers

## TECHNICAL OVERVIEW

**In very general terms, fertilisers are products that improve the levels of available plant nutrients either directly to the plant or via the soil.**

The soil is the grass plant's nutrient resource and the aim is to balance the nutrients within it.

In order to make an informed choice of what type of fertiliser to choose, it is important to understand some of the key features/benefits of the different types.

Some fertilisers release all of their nutrients immediately after application (conventionals, liquids, WSFs). These products will produce a quick turf response in terms of colour

and growth, but care should be taken as they may increase nutrient losses out of the system. These losses may be via a flush of growth (clippings removal), surface run-off, leaching or gaseous losses.

Slow release, controlled release and organic fertilisers deliver their nutrients over a certain period, with SRFs and CRFs doing this in the most consistent and reliable way. By delivering nutrients in a gradual way over 6-8 weeks (SRFs, i.e. Sierraform GT) or from 3 months up to 9 months (Sierrablen and Sierrablen Plus) then losses out of the system can be greatly minimised and nutrient use efficiency greatly improved.

Turf benefits include:

- Safe and consistent feeding
- Nutrient release based in turf needs
- Efficient use of nutrients
- Environmentally friendly
- Better turf quality

Regular maintenance is key to producing premium quality turf. Fertilisers assist in the production of uniform surface conditions. They help keep turf healthy and aid its recovery from wear and tear. In addition to benefiting the health of the plant, they also enhance the appearance of turf. Whilst this is a long list of tasks, all are achievable with the right planning and implementation. Today's modern fertilisers have a lot to offer the turf professional.



# Lindsays Fertilisers

## Premium range of fine turf and sportsfield fertilisers



### Fine turf range

#### Lindsays

**8.0.0 + 4% FE**

A high quality nitrogen feed plus 4% iron. This mini granular fertiliser is ideal for all fine turf surfaces where phosphate and potassium levels are adequate. The addition of sulphate of iron will improve colour and hardness. Apply from early spring to late summer.

Application Rate 35gms square metre  
Pack Size 25kg  
Pack Coverage 714 square metres  
Suggested use period

Jan Feb Mar **Apr** May Jun Jul Aug Sep Oct Nov Dec

#### Lindsays

**12.0.9 + 2% FE + 1% MG**

A zero phosphate mini granular fertiliser with a well balanced nitrogen and potash content, plus iron, which especially meets the needs of golf and bowling greens where additional phosphates are not required.

Application Rate 35gms square metre  
Pack Size 25kg  
Pack Coverage 714 square metres  
Suggested use period

Jan Feb Mar **Apr** May Jun Jul Aug Sep Oct Nov Dec

#### Lindsays

**11.5.5**

A well balanced spring and summer mini granular fertiliser for use on golf and bowling greens, cricket squares and all fine turf areas.

Application Rate 35gms square metre  
Pack Size 25kg  
Pack Coverage 714 square metres  
Suggested use period

Jan Feb Mar **Apr** May Jun Jul Aug Sep Oct Nov Dec

*A complete range of turf care fertilisers designed by professionals to meet the needs of modern day turf management*

## Sportsfield range

### Lindsays

9.7.7

An ideal spring and summer granular fertiliser recommended for use on all outfield turf such as football and rugby pitches, golf fairways, and other large recreational areas. Containing balanced levels of nitrogen, phosphate and potash to encourage healthy and vigorous top growth as well as good root development.

Application Rate 35gms square metre  
Pack Size 25kg  
Pack Coverage 714 square metres  
Suggested use period

Jan Feb Mar **Apr** May Jun Jul Aug Sep Oct Nov Dec

### Lindsays

12.6.6

A well proven formulation which keeps turf healthy and good looking during the spring and summer months. Particularly useful on sportsfields that have sustained heavy wear.

Application Rate 35gms square metre  
Pack Size 25kg  
Pack Coverage 714 square metres  
Suggested use period

Jan Feb Mar **Apr** May Jun Jul Aug Sep Oct Nov Dec

### Lindsays

3.12.12

Lindsay's autumn outfield keeps turf playable and looking good during the variable winter months. It strengthens the sward and helps the turf resist damage caused by extensive use.

Application Rate 35gms square metre  
Pack Size 25kg  
Pack Coverage 714 square metres  
Suggested use period

Jan Feb Mar Apr May Jun Jul Aug **Sep** Oct Nov Dec

# Sierraform GT



- Small, physically uniform granules for even spreading and quick dispersion
- Fast dispersion into the turf
- Chemically uniform, with every granule containing the same amount of NPK plus trace elements
- Dual effect thanks to slow-release nitrogen and slow-release potassium
- Optimum protection against stress; cold, heat, drought and wear
- Perfect for a programmed approach!



### Spring Start

**16+0+16 +Fe+Mn  
(16+0+13.3+Fe+Mn)**

- Active at lower temperatures

Application rate: 20-30g per sq. m  
Area treated by a 20kg bag: 667-1,000sq.m  
Suggested use period

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
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### Momentum

**22+5+11 +Mg0+Trace Elements  
(22+2.2+9.1+1.2%Mg+Trace Elements)**

- Matches nutrient input during periods of strong growth

Application rate: 20-30g per sq. m  
Area treated by a 20kg bag: 667-1,000sq.m  
Suggested use period

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
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### All Season

**18+6+18 +2%Mg0+Trace Elements  
(18+2.6+14.9 +1.2%Mg+Trace Elements)**

- NK fertiliser without P

Application rate: 20-30g per sq.m  
Area treated by a 20kg bag: 667-1,000sq.m  
Suggested use period

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
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*Chemically uniform, with every granule containing the same amount of NPK plus trace elements*

# Nitrogen is the key nutrient for driving growth in a plant

## Even more powerful, with a dual effect

Nitrogen is the key nutrient for driving growth in a plant. Potassium ensures that your turf is even more resilient to external stresses. A sufficient quantity of nitrogen and potassium is released immediately after application, so that the plant can make use of it straight away.

After that, extra potassium and nitrogen is released over a period of several weeks, whenever the grass plant needs it. This keeps turf strong and healthy for several weeks after application. As a turf manager, you no longer have to worry - the Sierraform GT granules do the work for you.

## Maximum power in a tiny granule

Each small, uniform Sierraform GT granule (0.7-1.4 mm) will contain the same analysis as on the bag. These tiny granules are also easy to spread and this ensures that the best coverage per square metre of turf is achieved.



### Anti Stress

**15+0+26 +Fe**  
**(15+0+21.6 +Fe)**

- Help turf survive during stressful times

Application rate: 20-30g per sq. m  
Area treated by a 20kg bag: 667-1,000sq.m  
Suggested use period

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec

### K-Step

**6+0+27 +Mg0+Trace Elements**  
**(6+0+22.4+1.2 Mg+Trace Elements)**

- Encourages condensed growth

Application rate: 20-30g per sq. m  
Area treated by a 20kg bag: 667-1,000sq.m  
Suggested use period

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec

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# Greenmaster Pro-Lite

A range of fertilisers using Scotts Pro-Lite technology



- Quick turf reaction
- Pro-Lite/zeolite technology enhances longevity
- Fine granule for quick dispersal

## Turf Tonic

**8+0+0 +3%MgO+Fe**  
**(8+0+0 +1.8%Mg+Fe)**

- Provides essential nitrogen for healthy growth
- Works well at low soil temperatures
- Assists early season growth and improves wear resistance
- Can be used at any time in the season
- Discourages weed and moss invasion
- The iron and magnesium aid turf hardness
- The iron sulphate deters moss

Application rate: 30-35g per sq. m  
Area treated by a 25kg bag: 714-833sq. m  
Suggested use period

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
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Longevity 6 weeks

## Invigorator Plus

**4+0+14 + 2MgO + 8Fe**  
**(4+0+11 + 1.2Mg + 8Fe)**

- Higher potassium and iron formulation to sustain turf health in Autumn and Spring with improved colour response

Application rate: 30-35g per sq. m  
Area treated by a 25kg bag: 714-833sq. m  
Suggested use period

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
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Longevity 6 weeks

## Autumn

**6+5+10 +6%Fe**  
**Contains 18.1% w/w ferrous sulphate**

- Controls moss, whilst strengthening the sward to overcome any mechanical damage.
- Low nitrogen content will not encourage diseases such as Fusarium Patch.
- Improves health and appearance of fine turf.
- MAPP No. 12196 PCS No. 92155

Application rate: 35g per sq. m  
Area treated by a 25kg bag: 714sq. m  
Suggested use period

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
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Longevity 6 weeks



## What is Pro-Lite technology?

Pro-Lite is the registered trade name for a new type of 'micro' fertiliser granule technology that contains zeolite in an homogenous form. Zeolite's molecular structure is a 3D cage-like framework of silica and alumina molecules. Due to the spaces and channels in each molecule it acts as a microscopic sponge. Excess oxygen is held in the framework and creates a negative charge that holds cations and water molecules until needed by the plant. As a result zeolite gives improved longevity, dispersion and a more homogenous granule.

### Spring & Summer

**14+5+10**  
**(14+2.2+8.3)**

- Produces growth and colour response within about seven days
- Keeps fine turf in good condition for approximately six weeks
- Higher nitrogen level ensures correct top growth throughout playing season
- Phosphate and potash to encourage a strong, resilient sward
- Replaces nutrients lost in grass clippings

Application rate: 30-35g per sq. m  
Area treated by a 25kg bag: 714-833sq. m  
Suggested use period

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec

Longevity 6 weeks

### NK

**12+0+12 +2%Fe+3.3%MgO**  
**(12+0+10 +2%Fe+1.8%Mg)**

- For use in potash-deficient situations
- High nitrogen level provides a quick colour response and sustained growth for up to six weeks
- Extra potash overcomes deficiency, balances growth and toughens sward
- Contains iron and magnesium to aid growth and boost colour on light soils
- Phosphate-free formulation aids management of soil phosphate build-up.

Application rate: 30-35g per sq. m  
Area treated by a 25kg bag: 714-833sq. m  
Suggested use period

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec

Longevity 6 weeks

### Double K

**7+0+14 +4%Fe**  
**(7+0+11.6 +4%Fe)**

- High potash, phosphate-free turf hardener
- Provides 42kg/ha K but only 21kg/ha N when applied at 30g/sq. m
- Overcomes potash deficiency, controls soft growth, helps turf resist disease
- Limits Phosphate build-up and Poa annua establishment
- Low nitrogen application allows use throughout the year.
- Ideal alternative autumn treatment where phosphate levels are adequate

Application rate: 30-35g per sq. m  
Area treated by a 25kg bag: 714-833sq. m  
Suggested use period

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec

Longevity 6 weeks

# Greenmaster Pro-Lite

Outstanding micro-granular fertiliser range for high quality, fine turf nutrition

A conventional release, finely granulated homogeneous fertiliser for use on fine turf areas. The range contains various analysis designed to optimise turf health throughout the year.

## Greenmaster Pro-Lite Benefits

- The micro-granule formulation allows consistent distribution, even at low rates of application
- High quality ingredients provide reliable release patterns
- Contains zeolite to improve performance and longevity



## Greenmaster Cold Start

**11-5-5 +8FE**

- Readily available nitrogen, phosphorus and potassium to kick-start spring recovery growth

Application rate: 30-35g per sq. m

Area treated by a 25kg pack: 714-833sq. m

Suggested use period

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec

Longevity 6 weeks

## Greenmaster Pro-Iron

**0-00-0 +7FE +3MGO +Seaweed**

- Provides quick green-up with minimal growth, especially useful in autumn and winter

Application rate: 30-35g per sq. m

Area treated by a 25kg pack: 714-833sq. m

Suggested use period

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec

Longevity 6 weeks

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The inclusion of humates into these quality fertilisers will stimulate the microbes to create a living organic soil.

Humate is an excellent chelator, making the nutrients in the soil more ready available to plants. The inclusion of humates will help to:

- Develop a deeper, more substantial root system.
- Stimulate microbial activity in the soil.
- Improve plant vigour and increase the uptake of nutrients.

# SSD Microbial



## SSD Microbial 8-0-0

A high quality nitrogenous fertiliser for fine turf with single particle round sand carrier. Contains magnesium and iron to improve colour. For spring and summer use (March to end of August).

Application rate: 70 g/sq.m (2 oz/sq. yd)

**Pack size:** 25kg

Suggested use period

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
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## SSD Microbial 8-0-6

A quality powder fertiliser for all fine turf areas, but especially recommended for golf and bowling greens. Contains magnesium and iron to improve colour, plus added seaweed which acts as a natural turf tonic. For spring and summer use (March to end of August).

Application rate: 70 g/sq.m (2 oz/sq. yd)

**Pack size:** 25kg

Suggested use period

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
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## SSD Microbial 8-0-0 Iron Free

A high quality, nitrogenous fertiliser with iron free formulation for spring and summer use.

Application rate: 70 g/sq.m (2 oz/sq. yd)

**Pack size:** 25kg

Suggested use period

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
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# Sierrablen®



## Controlled release fertilisers with fast start portion for coarse mown turf

- Granular controlled release fertilisers
- Release nutrients over a growing season from just one application
- Contains resin and Poly-S coated granules which rely on soil temperature as their main mechanism of release

The Sierrablen range features a unique resin and Poly-S coated fertiliser granules which rely on soil temperature as their main mechanism of release. On application to turf, the granule takes up moisture from its environment gradually dissolving the enclosed nutrients. At soil temperatures just above 0°C pressure starts to build up within the granule forcing the nutrients through the semi-permeable resin coating. The length of release is determined by the thickness of the coating surrounding the granule. The thicker that coating, the slower the daily release rate and so the longer the product lasts. Therefore nutrient is accurately released, matched exactly to turf growth requirements. The combination of resin and Poly-S technology in the same analyses results in improved nitrogen release characteristics and better low temperature performance. To enable a quick response in the spring, most products contain some lightly coated material.

### Sierrablen

27+5+5 +Fe (27+2.2+4.1 +Fe)  
(27+2.2+4.1 +Fe)

- A one application per season, NPK, spring and summer fertiliser
- Contains controlled release NPK and a low amount of fast start nitrogen for a more gentle response
- Suitable for use on tees, fairways, aprons and surrounds and winter season pitches

Application rate: 40-60g per sq. m  
Area treated by a 25kg bag: 417-625sq. m  
Suggested use period

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec

Longevity 8-9 months

### Sierrablen

28+5+5 +Fe (28+2.2+4.1 +Fe)  
(28+2.2+4.1 +Fe)

- A one application per season, NPK, spring and summer fertiliser
- Contains controlled release NPK and a fast start portion of N for an immediate response even at low soil temperatures
- Suitable for use on tees, fairways, aprons and surrounds and winter season pitches
- Proven history of use as a base fertiliser application in new course 'grow in'

Application rate: 35-55g per sq. m  
Area treated by a 25kg bag: 455-714sq. m  
Suggested use period

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec

Longevity 5-6 months

### Sierrablen

15+0+22 +Fe (15+0+18.3 +Fe)  
(15+0+18.3 +Fe)

- A one application per season, high potassium, autumn and winter fertiliser
- Contains controlled release NK and a fast start of nitrogen, potassium and iron for an immediate response
- Suitable for use on tees, fairways, aprons and surrounds and winter season pitches

Application rate: 35-55g per sq. m  
Area treated by a 25kg bag: 455-714sq. m  
Suggested use period

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec

Longevity 5-6 months



**ICL**  
Where needs take us

# 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 per sq.m – six times more than CRF/coated standard fertiliser
  - better distribution when spreading
  - disperses fast into the sward

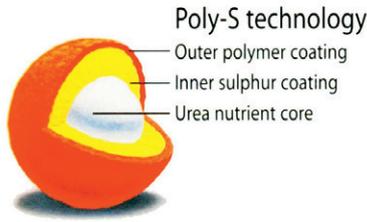
Applying modern coating technology and making the granules smaller, SierrablenPlus gives you a fertiliser with long-lasting effects that also guarantees a more even and prolonged growth of your grass. Which is exactly what you want!

*The new  
generation  
Sierrablen –  
a winner*

# Sierrablen® Plus



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.

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

## Spring Starter

**24+5+13 +2%MgO  
(24+2.2+10.8 +1.2%Mg)**

- 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

Application rate: 25-35g per sq. m

Area treated by a 25kg pack: 714-1,000sq. m

Suggested use period

Jan Feb **Mar** Apr May Jun Jul Aug Sep Oct Nov Dec

## Active

**19+5+18 +2%MgO+Trace Elements  
(19+2.2+14.9 +1.2%Mg+Trace Elements)**

- Improved coating technology ensures more efficient nitrogen release
- Extra magnesium to reinforce turf colour
- Complete spectrum of trace elements for healthy strong grass

Application rate: 25-35g per sq. m

Area treated by a 25kg pack: 714-1,000sq. m

Suggested use period

Jan Feb **Mar** Apr May Jun Jul Aug Sep Oct Nov Dec

## Stress Control

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

- 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: 30-45g per sq. m

Area treated by a 25kg pack: 556-833sq. m

Suggested use period

Jan Feb Mar **Apr** May Jun Jul Aug Sep Oct Nov Dec

# Sportsmaster Fertilisers

A range of conventional mini-granular fertilisers for use on outfields, fairways and other amenity turf areas

- Mini-granules provide ease of application and an even distribution
- True compounds with each granule containing the desired spread of nutrients
- Ensures even growth, quality and colour over the whole area and prevents the unsightly speckling effects
- Versatile application rates, as low as 35g/sq.m enabling one bag to cover 714sq.m making them very economical



## Fairway

**12+6+9 +3%MgO+**  
**Seaweed Extract**

- High nitrogen formulation for faster green-up of fairways and sports turf
- Balanced formulation gives sustained response without excessive growth, and resilience to drought and wear

Application rate: 35-50g per sq. m  
Area treated by a 25kg bag: 500-714sq. m  
Suggested use period

Jan Feb Mar **Apr** May Jun Jul Aug **Sep** Oct Nov Dec

Longevity 6 weeks

## Spring & Summer

**9+7+7**  
**(9+3.1+5.8)**

- Cost-effective application rates.
- Breaks down quickly to give rapid uptake of nutrients, reducing risk of scorch and mower pick-up

Application rate: 35-70g per sq. m  
Area treated by a 25kg bag: 355-714sq. m  
Suggested use period

Jan Feb Mar **Apr** May Jun Jul Aug **Sep** Oct Nov Dec

Longevity 6 weeks

## Autumn

**4+12+12**  
**(4+5.2+10)**

- High phosphate and potash with cost-effective application rates
- Ensures healthy root growth especially areas that are subject to heavy winter use

Application rate: 35-70g per sq. m  
Area treated by a 25kg bag: 355-714sq. m  
Suggested use period

Jan Feb Mar Apr May Jun Jul Aug **Sep** Oct Nov Dec

Longevity 6 weeks



Many fertilisers in the Scotts ranges contain controlled release elements providing Nitrogen over an extended period. There are circumstances however, when the turf manager may not need all the benefits these particular products can give. Sportsmaster products fill that gap. The Sportsmaster products contain compound granular fertilisers. They are manufactured as mini-granules providing ease of application and an even distribution. This ensures even growth, quality and colour over the whole area and prevents unsightly speckling effects.



*Every granule in the Sportsmaster fertiliser range contains the desired spread of nutrients*

## Preseeder

**8+12+8 + 3%MgO+Seaweed Extract  
(8+5.2+0.8 +1.8%Mg +  
Seaweed Extract)**

- Ideal balance of NPK to strengthen turf.
- High phosphate and potash levels to encourage harder growth and better root development.

Application rate: 30-50g per sq. m  
Area treated by a 25kg bag: 500-835sq. m  
Suggested use period

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec

Longevity 6 weeks

## Cleanrun Pro

**14+0+5+ Herbicide  
(14+0+4.1 + Herbicide)**

- Double-action, mini-granular, compound fertiliser
- For use on outfields, fairways and other recreational areas
- Two selective herbicides control common broad-leaved weeds
- MAPP No. 15828 PCS No. 92260

Application rate: 35g per sq. m  
Area treated by a 25kg bag: 714sq. m  
Suggested use period

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec

Longevity 6 weeks

## Renovator Pro

**14+0+5+FE+ Herbicide  
(14+0+4.1+ Herbicide)**

- Triple-action, mini-granular, compound fertiliser
- For use on outfields, fairways and other recreational areas
- Two selective herbicides control common broad-leaved weeds
- MAPP No. 16803 PCS No. 02512

Application rate: 35g per sq. m  
Area treated by a 25kg bag: 714sq. m  
Suggested use period

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec

Longevity 6 weeks

## SS-2

### Drop Spreader

- Stainless steel frame, hopper and fasteners provide outstanding durability and corrosion resistance
- Large 139 Turf Saver 2 pneumatic wheels for easy operator use
- Extended ergonomic handle is more durable
- Lift handles in the front and back for easier loading and unloading
- Not suitable for coated controlled release products

Spread width: 0.91 metres  
Hopper Capacity: 46 litres



## SR 2000

### Rotary Spreader

The SR-2000 is a rotary spreader featuring a stainless steel frame that can be relied upon for years of application. The SR-2000 has all the features of the Accupro 2000 plus:

- Large diameter, more durable stainless steel frame
- Positive on/off side deflector provides effective product delivery control
- Standard port shut-off control for greater application efficiency.

Spread width: 2 - 6 metres  
Hopper capacity: 42 litres



# 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
- Tank mixable with all Greenmaster Liquids, Blade and Primo MAXX



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 – Greenmaster Liquids, H2Pro and Greenmaster Blade – are fully compatible with one another so that the optimal product performance is always assured. Please note that Ca Booster is not tank-mixable.

## High N

**25+0+0 +2%MgO+Trace Elements**  
(25+0+0 +1.2%Mg+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 1,000sq. m  
(40-120 litres per hectare)

Water volume: 400-1,000 litres per hectare

Area treated by a 10 litre pack:

833-2,500sq. m

Suggested use period

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec

## Spring & Summer

**12+4+6 +Trace Elements**  
(12+1.7+5 +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 1,000sq. m  
(40-120 litres per hectare)

Water volume: 400-1,000 litres per hectare

Area treated by a 10 litre pack:

833-2,500sq. m

Suggested use period

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec

## NK

**10+0+10 +Trace Elements**  
(10+0+8.3 +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 1,000sq. m  
(40-120 litres per hectare)

Water volume: 400-1,000 litres per hectare

Area treated by a 10 litre pack:

833-2,500sq. m

Suggested use period

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec



## 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.

### 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 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

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+3+10 +Trace Elements  
(3+1.3+8.3 +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 1,000sq. m (40-120 litres per hectare)  
Water volume: 400-1,000 litres per hectare  
Area treated by a 10 litre pack: 833-2,500sq. m  
Suggested use period

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
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## Ca Booster

**8+0+0 +9%Ca0+Trace Elements  
(8+0+0 +6.4%Ca+Trace Elements)**

- Strengthens 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:  
20-60 litres per 10,000sq. m  
Water volume: 400-1,000 litres per hectare  
Area treated by a 10 litre pack:  
1,667-5,000sq. m  
Suggested use period

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
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## 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:  
20-60 litres per 10,000sq. m  
Water volume: 400-1,000 litres per hectare  
Area treated by a 10 litre pack:  
1,667-5,000sq. m  
Suggested use period

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
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# Liquid Iron



## IronMax

### The maximum Concentrated Liquid Iron

Award IronMax is a complex iron formulated with a brand new surfactant to give rapid colour improvement to all turf surfaces, with the added benefits of short-term dew dispersal.

Iron is an essential minor nutrient for the turf grass plant and is used by the plant for the synthesis of chlorophyll, giving the plant its natural dark green appearance. Sports turf managers apply iron extensively for this purpose to “green up” the sward and for hardening turf to discourage disease.

### Maximum 8% Complexed Iron

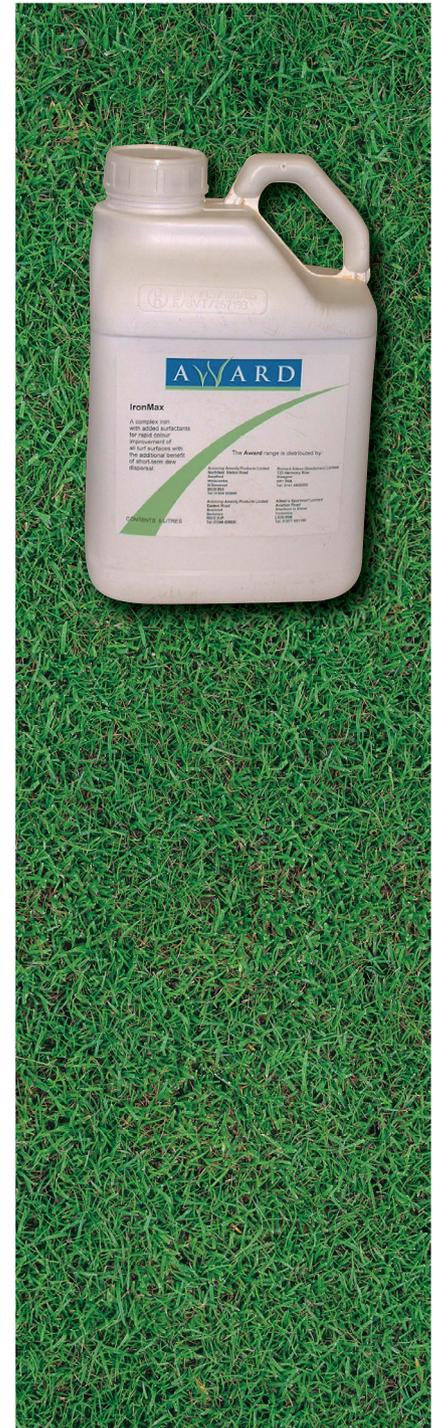
- Gives a darker, greener, rich colour to the turf.
- Correct any iron deficiencies and prevents chlorosis.
- Strengthens cell walls improving wear tolerance and reduces risk of disease attack.

Rapid Action (usually within 24 hours) with excellent longevity (up to 6 weeks).

### Application Guidelines

IronMax	Standard rate	Spray Volume	Total Area
Golf Green	1 litre	30-50 litres	500 m <sup>2</sup>
	20 litres	600 - 1000 litres	1Ha
Bowling Green	3 litres	90 - 150 litres	1500 m <sup>2</sup>
Fairways Outfields	10 litres	300 - 500 litres	5000 m <sup>2</sup>
& Rugby/Football Pitches	20 litres	600 - 1000 litres	1Ha

- Apply Award IronMax at any time of the year provided the sward is dry and rain is not imminent
- Do not apply during frosty conditions
- For best results cut grass before application
- Repeat every 4 - 6 weeks or as necessary.



# Vitalnova Blade

A proven biostimulant to boost microbial activity in soil and encourage rooting

A totally unique biostimulant for turf, containing a carefully engineered concentration of carbohydrates (sugars), seaweed and micronutrients.

## Vitalnova Blade Benefits

- Increases rootmass by up to 40%
- Up to 50% increase in levels of beneficial bacteria
- Stimulates root dwelling microbes to improve nutrient uptake
- A versatile addition to an integrated turf management strategy



## Areas of use

- Greens
- Tees
- Fairways
- Sportsfields
- Amenity

*A carefully-engineered concentrate of carbohydrates, seaweed and micronutrients that provides beneficial micro-organisms with a readily-available energy source to re-invigorate their activity*



# Sportsmaster® WSF

## Premium foliar fertilisers for enhanced foliar and root nutrient uptake

- Contains TMax for enhanced nutrient uptake
- Consistent colour with no rapid tail-off
- Extremely safe to use due to quality nutrient sources and low Salt Index
- Wide choice of analyses for the correct nutrient input

The Sportsmaster WSF range consists of three high quality fertiliser solutions that cover all turf feeding requirements and seasons. These components optimise both foliar and root uptake for top quality turf. All products within this range contain chelated trace elements to boost growing performance and produce efficacy stimulant, to provide additional NPK ratios and a total liquid treatment in one convenient application.

### High N

**35+0+14 + 0.13%Fe**  
**(35+0+11.6+0.31%Fe)**

- High nitrogen ensures a fast initial effect
- Chelated iron content for enhanced colour
- Mixed nitrogen source to optimise uptake

Foliar application rate:  
1.5-3kg per 1,000sq.m (15-30kg per hectare)  
in 300-600 litres water per hectare  
Drench application rate:  
3-6kg per 1,000sq.m (30-60kg per hectare)  
in 600-1,000 litres water per hectare  
Area treated by a 15kg bag:  
2,500-10,000sq.m  
Suggested use period

Jan Feb **Mar** Apr May Jun Jul Aug Sep Oct Nov Dec

### High P

**16+32+16 + 0.01%Zn**  
**(16+14+13.3 + 0.01%Zn)**

- Ideal for over-seeding renovation work
- High P to NK ratio encourages strong root growth and seed establishment
- Chelated zinc enhances turf health

Foliar application rate:  
1.5-3kg per 1,000sq.m (15-30kg per hectare)  
in 300-600 litres water per hectare  
Drench application rate:  
3-6kg per 1,000sq.m (30-60kg per hectare)  
in 600-1,000 litres water per hectare  
Area treated by a 15kg bag:  
2,500-10,000sq.m  
Suggested use period

Jan Feb **Mar** Apr May Jun Jul Aug Sep Oct Nov Dec

### High K

**15+0+43 + 0.31%Fe**  
**(15+0+35.7+0.31%Fe)**

- Ideal to apply prior to stressful conditions such as drought or winter
- Low N to high K ratio ensures maximum turf hardening with minimal growth

Foliar application rate:  
1.5-3kg per 1,000sq.m (15-30kg per hectare)  
in 300-600 litres water per hectare  
Drench application rate:  
3-6kg per 1,000sq.m (30-60kg per hectare)  
in 600-1,000 litres water per hectare  
Area treated by a 15kg bag:  
2,500-10,000sq.m  
Suggested use period

Jan Feb **Mar** Apr May Jun Jul Aug Sep Oct Nov Dec

# Sierrasol® Iron

Ideal turf hardener  
for all turf areas

## Sierrasol Iron

20%Fe

- Ideally suited for use during periods of low soil temperature – autumn, winter, spring – but can be used all year round
- Produces a dark green, healthy-looking turf
- Toughens the sward thereby promoting disease resistance
- Dissolves rapidly in cold water without the need for constant mixing or agitation

Application rate:

1.0-2.0kg per 1,000sq.m

(10-20kg per hectare)

Area treated by a 25kg bag:

12,500-25,000sq. m

in 900 litres water per hectare

Suggested use period

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec



# Seaspray

Liquid Organic Range

Five liquid formulations for both fine and outfield turf

Seaspray is a natural organic liquid extracted from the seaweed *ascophyllum nodosum* harvested from the Atlantic Ocean. The benefits of seaweed have long been associated with the sports turf industry.

- Stimulates healthy turf throughout the season
- Aids better rooting and improves fertiliser uptake
- Promotes beneficial soil microbes
- Safe and convenient to use on all soil types

## TRIPLE Strength SEAWEED

- 27% liquid seaweed concentrate
- Rich in trace elements and growth stimulants
- Increased microbial activity
- Turf more tolerant to stress.

Application rate 1 litre per 500 sq m.  
20 litres per 10,000m<sup>2</sup>

Water Dilution Rate (50 - 100 litres per 1000m<sup>2</sup>) (500 - 1000 litres per 10,000m<sup>2</sup>)

**Pack Size:** 10 Litres

## SEAWEED + NPK 12-0-7 + 1% CHELATED IRON

- Zero phosphate analysis
- Produces even colour and growth response
- Seaweed extract rich in trace elements
- Chelated iron will give rapid green up.

Application rate 2.5 litres per 500 sq m.  
50 litres per 10,000m<sup>2</sup>

Water Dilution Rate (50 - 100 litres per 1000m<sup>2</sup>) (500 - 1000 litres per 10,000m<sup>2</sup>)

**Pack Size:** 10 Litres

## SEAWEED + 20% NITROGEN

- High urea Nitrogen seaweed formulation
- Gives sustained colour response
- Rich in trace elements
- Ideal for spring and summer
- Turf more tolerant to stress

Application rate 2.5 litres per 500 sq m.  
50 litres per 10,000m<sup>2</sup>

Water Dilution Rate (50 - 100 litres per 1000m<sup>2</sup>) (500 - 1000 litres per 10,000m<sup>2</sup>)

**Pack Size:** 10 Litres

**lindsayturfcare**

SEASPRAY IS A NATURAL ORGANIC LIQUID EXTRACTED FROM SEAWEED FRESHLY HARVESTED FROM THE ATLANTIC OCEAN.

**Seaspray Triple**

**20 litre**

**APPLICATION**  
 10 Lit per 1000 sq m diluted in 500 - 1000 Lit water  
 5 Lit per 500 sq m diluted in 50 - 100 Lit water  
 Apply at 60 to night evenly through irrigation system

**STORAGE**  
 Store out of direct sunlight. Do not leave in open sunlight when fully concentrated as it will become a dark brown color. If crystals form dilute with warm water before using in spring.

Nitrogen (N)	0.3 - 0.6%
Phosphorus (P)	0.1 - 0.2%
Potassium (K)	20 - 25.0 p.p.m.
Iron (Fe)	1.0 - 1.5 p.p.m.
Copper (Cu)	1.0 - 1.5 p.p.m.
Sulfur (S)	1.0 - 1.5 p.p.m.
Calcium (Ca)	0.5 - 0.8%
Magnesium (Mg)	0.5 - 0.7%
Zinc (Zn)	1.0 - 0.5 p.p.m.
Boron (B)	0.1 - 0.2 p.p.m.

2 Glen Road, Otago 9103 TX  
 Tel: 03 522 5222  
 Fax: 03 522 5228  
 www.lindsayturfcare.com

**lindsayturfcare**

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**Seaspray 12-0-7**

**20 litre**

**APPLICATION**  
 10 Lit per 1000 sq m diluted in 500 - 1000 Lit water  
 5 Lit per 500 sq m diluted in 50 - 100 Lit water  
 Apply at 60 to night evenly through irrigation system

**STORAGE**  
 Store out of direct sunlight. Do not leave in open sunlight when fully concentrated as it will become a dark brown color. If crystals form dilute with warm water before using in spring.

Nitrogen (N)	12.0 - 12.2%
Phosphorus (P)	0.00 - 0.02%
Potassium (K)	1.0 - 1.2%
Iron (Fe)	1.0 - 1.2%
Sulfur (S)	1.0 - 1.2 p.p.m.
Calcium (Ca)	0.8 - 1.0 p.p.m.
Magnesium (Mg)	1.0 - 1.2 p.p.m.
Zinc (Zn)	1.0 - 1.2 p.p.m.
Boron (B)	0.1 - 0.2 p.p.m.

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**Seaspray 20N**

**20 litre**

**APPLICATION**  
 10 Lit per 1000 sq m diluted in 500 - 1000 Lit water  
 5 Lit per 500 sq m diluted in 50 - 100 Lit water  
 Apply at 60 to night evenly through irrigation system

**STORAGE**  
 Store out of direct sunlight. Do not leave in open sunlight when fully concentrated as it will become a dark brown color. If crystals form dilute with warm water before using in spring.

Nitrogen (N)	20.0 - 20.2%
Phosphorus (P)	0.00 - 0.02%
Potassium (K)	0.0 - 0.2%
Iron (Fe)	1.0 - 1.2%
Sulfur (S)	1.0 - 1.2 p.p.m.
Calcium (Ca)	0.8 - 1.0 p.p.m.
Magnesium (Mg)	1.0 - 1.2 p.p.m.
Zinc (Zn)	0.1 - 0.3

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**lindsayturfcare**

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**Seaspray 6% Fe**

**20 litre**

**APPLICATION**  
 10 Lit per 1000 sq m diluted in 500 - 1000 Lit water  
 5 Lit per 500 sq m diluted in 50 - 100 Lit water  
 Apply at any time of the year to promote a lush deep green turf. Do not apply during frost.

**STORAGE**  
 Store out of direct sunlight. Do not leave in open sunlight when fully concentrated as it will become a dark brown color. If crystals form dilute with warm water before using in spring.

Nitrogen (N)	2.0 - 2.2%
Phosphorus (P)	0.00 - 0.02%
Potassium (K)	0.0 - 0.2%
Iron (Fe)	6.0 - 6.2%
Sulfur (S)	1.0 - 1.2 p.p.m.
Calcium (Ca)	0.8 - 1.0 p.p.m.
Magnesium (Mg)	1.0 - 1.2 p.p.m.
Zinc (Zn)	0.1 - 0.3 p.p.m.

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**lindsayturfcare**

SEASPRAY IS A NATURAL ORGANIC LIQUID EXTRACTED FROM SEAWEED FRESHLY HARVESTED FROM THE ATLANTIC OCEAN.

**Seaspray 2-0-15**

**20 litre**

**APPLICATION**  
 10 Lit per 1000 sq m diluted in 500 - 1000 Lit water  
 5 Lit per 500 sq m diluted in 50 - 100 Lit water  
 Apply during late summer, autumn and early spring when growth is still occurring. Do not apply during frost.

**STORAGE**  
 Store out of direct sunlight. Do not leave in open sunlight when fully concentrated as it will become a dark brown color. If crystals form dilute with warm water before using in spring.

Nitrogen (N)	2.0 - 2.2%
Phosphorus (P)	0.00 - 0.02%
Potassium (K)	15.0 - 15.2%
Iron (Fe)	1.0 - 1.2 p.p.m.
Copper (Cu)	0.8 - 1.0 p.p.m.
Sulfur (S)	1.0 - 1.2 p.p.m.
Calcium (Ca)	0.8 - 1.0 p.p.m.
Magnesium (Mg)	1.0 - 1.2 p.p.m.
Zinc (Zn)	0.1 - 0.3 p.p.m.

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## SEAWEED + 6% CHELATED IRON

- Ideal for pre-tournament preparation
- Gives green up within 24 hours
- Can be used throughout the year
- Rich in trace elements and plant growth stimulants.

Application rate 2.5 litres per 500 sq m.  
 50 litres per 10,000m<sup>2</sup>  
 Water Dilution Rate (50 - 100 litres per 1000m<sup>2</sup>) (500 - 1000 litres per 10,000m<sup>2</sup>)  
**Pack Size:** 10 Litres

## SEAWEED + NPK 2-0-15 + 0.5% CHELATED IRON

- Designed for use in late summer, autumn and winter
- Low nitrogen high potash seaweed feed
- Will improve disease tolerance
- Ideal as turf tonic
- Added chelated iron.

Application rate 2.5 litres per 500 sq m.  
 50 litres per 10,000m<sup>2</sup>  
 Water Dilution Rate (50 - 100 litres per 1000m<sup>2</sup>) (500 - 1000 litres per 10,000m<sup>2</sup>)  
**Pack Size:** 10 Litres

# SeaMax

Soluble Seaweed concentrate with proven benefits

An innovative formulation of seaweed boasting over 75% active seaweed content, which has been proven to significantly improve turf colour and quality.

## Seamax Benefits

- Maximum performance with highest active content on the market
- Tank-mix compatible with selected products
- Premium high density Atlantic *Ascophyllum nodosum* seaweed extract

Application rate 1Kg per Ha

Pack size 1Kg



## Areas of use

- Greens
- Tees
- Fairways
- Sportsfields



# Wetting Agents



## H2Pro® Tablet

A hose-end applied wetting agent for effective hand watering

H2Pro Tablet is especially effective for the treatment of localised dry spot and for helping to reduce overall irrigation requirement.

### H2Pro Tablet Benefits

- Effective rewetting through the rootzone
- Excellent water spreading and penetration characteristics
- For spot-treating problem areas and to complement a main wetting agent programme

Pack size: 6 x 250g tablets

Pack coverage: 6 x 500m<sup>2</sup>



## H2Pro® FlowSmart

A high quality wetting and water conservation agent

FlowSmart is the next generation penetrant wetting agent for the industry; FlowSmart combines new surfactant technology as a carefully blended combination of Polymer and super-penetrant. FlowSmart reduces surface tension – providing excellent water infiltration and penetration, with a selected block co-polymer to retain FlowSmart in the rootzone allowing re-wetting and continues effective and efficient water penetration and water movement.

### H2Pro FlowSmart Benefits

- Helps surface water penetrate quickly
- Maintain year round playing surfaces, providing a drier surface in wet conditions
- Maximises the effectiveness of irrigation treatments
- Assist with flushing of carbonates and salts from rootzones

Pack size: 5 litre

Type: Penetrant

Application rate: 10 L/ha

Water Volume: 250 - 600 L/ha



## H2Pro® TriSmart

A high quality wetting and water conservation agent

TriSmart is designed for high quality turf areas, its unique triple-active formulation provides great control over your moisture management. Containing three water management technologies, it provides great water penetration, even water spread through the rootzone and improves the water holding capacity of sandy rootzones. Very effective against LDS (Localised Dry Patch) development, the block polymer surfactant has also been selected for increased longevity in the rootzone.

### H2Pro TriSmart Benefits

- Offers preventative and curative action against Dry Patch
- Evenly distributes moisture through the upper soil profile
- Significantly reduces irrigation requirements

Pack size: 5 litre

Type: Penetrant, Spreading, Holding

Application rate:

Full Programme: 10 L/ha monthly

Late-start programme: 25 L/ha then 10 L/ha monthly

Water Volume: 600 - 1,000 L/ha

# Wetting Agents



Since the introduction of Primer Select in 1995 it has been the market leading wetter worldwide. In a recent survey over three quarters of the Worlds top 100 golf courses used Primer 604, as part of their turf management strategy.

At the heart of the product's performance is it's ability to develop a matrix flow pattern of water in a soil profile. Matrix flow is where the water in the soil moves laterally as well as downwards, most significantly in the area of the root zone.

The visual benefits of the use of Primer Select are demonstrated in photographs C,D, E and F. Here an active golf course was used for a trial where a hole was treated with primer select on the forward or short tee for a season, whilst the back or long tee on the same hole was not treated. The effects are dramatic. The untreated tee has suffered severe dry patch (photo C) and a core taken after the season (photo D) cannot hold its form and crumbles to dust. The treated tee, however, is looking fresh and healthy (photo E) after only two applications of Primer 604, and the core is uniformly moist illustrating the effects of matrix flow (photo F). A remarkable result.

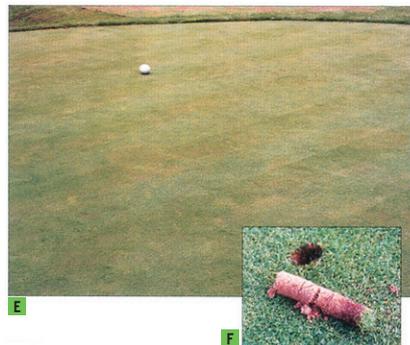
- Will not scorch or burn.
- Requires no watering in.
- Safe non ionic surfactant.
- Creates a unique matrix flow.

## Application Rates

### Primer Select Programme

Initial application and early spring apply at 185 ml in 7 litres of water per 100sq metres (18.5 litres in 700 litres of water per hectare). Monthly application: apply at 125 mls in 7 litres of water per 100 sq metres (12.5 litres in 700 litres of water per hectare).

Pack size: 10 litre, 210 litre.



We can now offer Primer granular in a new totally remarkable and patented form. Primer SWDG or spreadable water dispersible granular, is the culmination of painstaking research by Aquatrols and offers a totally new dimension to spreadable wetters.

The new Primer SWDG replaces the old corncob carrier spreadable product. It dissolves instantly when in contact with irrigation water or rain eliminating the carrier residue.

### Primer SWDG

- Spreadable water dispersible granules.
- Will not scorch or burn.
- Waters in instantly.
- 10% Polymeric polyoxyalkylenes, 90% inert organic carrier.

For golf greens/tees/fairways, general sports turf pitches, landscape contractors and lawn care situations: apply at 1.2kg per 100 sq metres. For all seeding and overseeding applications: apply to 0.6kg per 100 sq metres. For all new turf laying situations: apply 1.2kg per 100 sq metres.

Pack size: 22.5kg



## An essential tool for protecting turf against stress

### The Revolution® is Here!

The amount of stress placed on today's greens is greater than ever. Increased traffic and the demand for faster greens speeds, coupled with heat and water stress, pushes turf beyond its physiological limitations. As a turf professional, maintaining quality turf under a variety of stresses is your greatest challenge, and establishing control over the growing environment is key to your success. Revolution® lets you gain control of rootzone conditions so that your turf can perform to its greatest potential. It will withstand daily abuse better, use water more efficiently, and look spectacular even at the height of the summer.

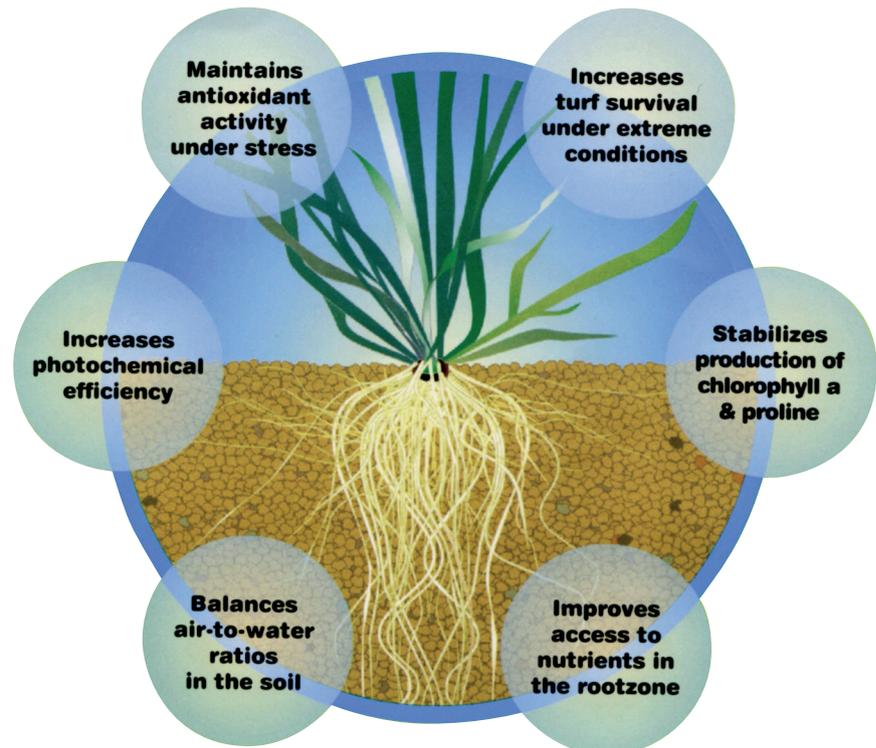
This exciting breakthrough is the culmination of Aquatrols' 50 years of water management expertise in the turf industry. This new class of block copolymer chemistry has been carefully engineered to provide a solid foundation for successful turf management, and is an essential tool for protecting turf against damage caused by environmental and cultural stresses.

Revolution is a safe, reliable way to comprehensively maintain quality turf conditions throughout the season. And Revolution can be tank mixed with a broad spectrum of commonly applied chemicals for even greater convenience.

Can you afford to use anything less?

### Application Rates

19 litres in 800 litres water over 10,000m<sup>2</sup> every 4-5 weeks. Minimum of 3 applications recommended from early Spring. Pack size 10 litres & 210 litres.



# Amino-Sorb®

**Proven amino acid technology creates a stress free environment which helps turf to thrive and achieve its maximum performance whatever the circumstances.**

Under normal circumstances turf plants synthesise their own Amino acids, but when under stress conditions they need a little help.

## What are Amino Acids?

Natural organic molecules bind together to form bigger molecules that are the key to life and have a physiological function in plants.

Amino acids enhance processes such as seed germination, root and shoot growth.



## Amino-Sorb® F

**Retains turf quality during STRESS Conditions**

This foliar-absorbed amino acid supplement will give turf relief from stress, and helps it to maintain overall quality by increasing the photosynthesis rate and chlorophyll concentration.

Plant metabolism is stimulated, thus creating conditions for weedkillers and fungicides to work more efficiently. In tests, Amino-Sorb® F showed positive reductions in incidence of Dollar Spot on Creeping Bent Grass.

- Increases photosynthesis rate and chlorophyll concentration
- Stimulates plant metabolism
- Creates conditions for weedkillers and fungicides to work more effectively.

Application rates:

Golf & Bowling Greens: 150-250 mls per

15-25 litres water, treats 500m<sup>2</sup>

Tees & Fairways: 3-5 ltrs per 300-500 ltrs water, treats 1 ha

Sportsfields: 3-5 ltrs per 300-500 ltrs water, treats 1 ha

Pack size: 5 ltrs

Suggested use period

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
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## Amino-Sorb® R

**Helps turf withstand STRESS**

A root absorbed amino acid supplement expressly formulated for root growth, enhanced germination and stress relief. Amino-Sorb® R also increases nutrient uptake and creates conditions for weedkillers and fungicides to work more efficiently.

- Enhances root development
- Increases nutrient uptake
- Increases seed germination
- Creates conditions for weedkillers and fungicides to work more effectively.

®Amino-Sorb is a registered trademark of Bioiberica

Application rates:

Golf & Bowling Greens: 500-750 mls per min 25 litres water, treats 500m<sup>2</sup>

Tees & Fairways: 10-15 ltrs per min 500 ltrs water, treats 1 ha

Sportsfields: 10-15 ltrs per min 500 ltrs water, treats 1 ha

Pack size: 5 ltrs

Suggested use period

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
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# Chemicals

## TECHNICAL OVERVIEW

### Fungicides

Turf diseases are disorders which are usually caused by parasitic fungi invading plant tissues and robbing the grass of vital nutrients. Alternatively, they can be caused by indirect effects of fungi inhabiting the soil in the root zone and altering the availability of water and nutrients to the grass, as is the cause of the fairy ring fungi. In either case they present a problem to the groundsman, who needs to take some form of remedial action in order to restore the turf to full health.

### Selectives

Selective herbicides are cost effective tools, allowing the removal of weeds over a much larger area than is possible by hand over the same period of time. As most selective herbicides kill both the foliage and root system, the removal of the weed is complete - giving a much longer lasting kill than if the foliage only is removed by mechanical means.

### Totals

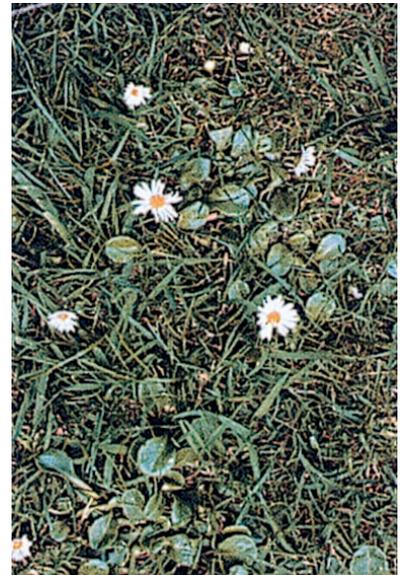
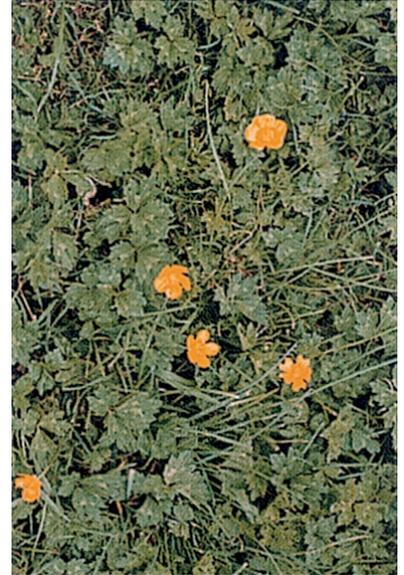
Total weed control is the term used to describe the use of non-selective herbicides in situations where all vegetation is to be eliminated. It has a wide variety of applications in amenity, industrial and leisure sites.

### Moss Control

Mosses are primitive non-flowering plants. They have no root system, relying instead on sufficient moisture being present to allow direct transfer of water and nutrients through their aerial structures. Water is vital for root production, as male cells must migrate through water to fertilise the female structures. Dampness is, therefore, essential for the spread of moss. It is important to realise that mosses are themselves symptoms of poor grass growth and not the cause.

### Grass Growth Retardants

Grass control without sacrificing sward, vigour and appearance.



# FUNGICIDES

PRODUCT	CONTAINS	CONTROLS	PACK	COVERAGE	KNAPSACK OR EVENSPREY	TRACTOR MOUNTED
<p>The triple action of iNSTRATA, including two multi-site contact active ingredients, will significantly reduce the risk of fungicide developing and will prove an important element of any Integrated Turf Management programme.</p>						
<b>Instrata</b>  Mapp 16458	Chlorothalonil Propiconazole Fluidioxonil	Microdochium Anthracnose Dollar Spot Brown Patch	3L	3,333m <sup>2</sup>	450ml in 25 - 50L Water per 500m <sup>2</sup>	9 Litres in 500 - 1000 Litres per Hectare
Period of use				Mode of Action - Contact/Systemic		



<p>Headway® fungicide combines the power of the two active ingredients, found in Heritage® and Banner Maxx® II fungicides, to deliver broad-spectrum disease control against dollar spot, brown patch, and other major turf diseases.</p>						
<b>Headway</b>  Mapp 14396	Azoxystrobin Propiconazole	Microdochium Anthracnose Leafspot Dollar Spot Take-all Patch	3L	1 hectare	300ml in 20 - 25L Water per 1,000m <sup>2</sup>	3 Litres in 250 - 500L Water per 10,000m <sup>2</sup>
Period of use				Mode of Action - Contact/Systemic		



<p>Headway® fungicide combines the power of the two active ingredients, found in Heritage® and Banner Maxx® II fungicides, to deliver broad-spectrum disease control against dollar spot, brown patch, and other major turf diseases.</p>						
<b>Instrata Elite</b>  Mapp 17976	Difenoconazole Fluidioxonil	Microdochium Anthracnose Dollar Spot Brown Patch	1 & 3L	3,333m <sup>2</sup> & 10,000m <sup>2</sup>	150ml in 8 - 25L Water per 500m <sup>2</sup>	3 Litres in 125 - 500L Water per 10,000m <sup>2</sup>
Period of use				Mode of Action - Contact/Systemic		



# Disease free turf easy as 1,2,3!

**Instrata is the first ever high performance, three-way multi-active turf fungicide**

- Genuine contact and systemic activity
- Tackles key turf diseases
- Outstanding long-lasting efficacy
- Fast acting protection with added curative and eradicator action
- Use at anytime of the year



 **Instrata**<sup>®</sup>

**syngenta**<sup>®</sup>

Syngenta Crop Protection UK Ltd. Registered in England No. 849037. CPC4, Capital Park, Fulbourn, Cambridge CB21 5XE  
Email: [customer.services@syngenta.com](mailto:customer.services@syngenta.com) Web: [www.greencast.co.uk](http://www.greencast.co.uk)

Distributed in the UK by Scotts Professional. Tel: 01473 201100 Email: [prof.sales@scotts.com](mailto:prof.sales@scotts.com)

Instrata<sup>®</sup> is Registered Trademark of a Syngenta Group Company. Instrata (MAPP 14154) contains chlorothalonil, propiconazole and fludioxonil. All other brand names used are trademarks of other manufacturers in which proprietary rights may exist.  
Always read the label. Use pesticides safely. ©Syngenta AG December 2009. GQ 00799.

TM

# FUNGICIDES

PRODUCT	CONTAINS	CONTROLS	PACK	COVERAGE	KNAPSACK OR EVENSPREY	TRACTOR MOUNTED
<p>Now the renowned turf disease control of Heritage has got even better. Faster uptake and rapid movement through the plant means Heritage Maxx quickly gets to the site of infection and starts to tackle disease spores before damage is caused. Trial results have shown that with Fusarium Patch - the most prevalent turf disease in the UK - and even difficult to control Anthracnose, the new liquid Heritage Maxx can be more effective in preventing disease and maintaining turf quality.</p>						
<b>Heritage Max</b>  Mapp 14787	Azoxystrobin	Fusarium Anthracnose Brown Patch Leaf Spot Melting out Rusts Take all Patch Type 2 Fairy Ring	3L	12,000m <sup>2</sup>	25ml in 8-10 Litres per 100m <sup>2</sup>	2.5L in 800-1000 Litres Water per 10,000m <sup>2</sup> Soil Disease or 2.5L in 300-500 Litres Water per 10,000m <sup>2</sup> Foliar Disease
Period of use: Jan Feb Mar <b>Apr</b> May Jun Jul Aug Sep <b>Oct</b> Nov Dec Mode of Action - Systemic						



<p>Dedicate® should be used preventatively or at first signs of disease. Dedicate® can be used when grass is either dormant or activity growing and displays both protective and curative activity.</p>						
<b>Dedicate</b>	Tebuconazole Trifloxystrobin	Fusarium Anthracnose Dollar Spot Rust	250ml	2,500m <sup>2</sup>	50ml in 25-50 Litres Water per 500m <sup>2</sup>	1 Litre in 400-500 Litres Water per 10,000m <sup>2</sup>
Period of use: Jan Feb Mar <b>Apr</b> May Jun Jul Aug Sep <b>Oct</b> Nov Dec Mode of Action - Contact/Systemic						



# SELECTIVES

PRODUCT	CONTAINS	CONTROLS	PACK	COVERAGE	KNAPSACK OR EVENSPREY	TRACTOR MOUNTED
<p>ICL Enforcer can be used as a selective herbicide on all types of established managed amenity turf, and newly seeded grass.</p>						
<b>Enforcer</b>  Mapp 17274	2, 4-D Dicamba MCPA Mecoprop	Broad Leaved Weeds in Turf	5L	6,666m <sup>2</sup>	300ml in 40 Litres Water per 400m <sup>2</sup>	7.5L in 1000 Litres Water per 10,000m <sup>2</sup>
Period of use						



<p>Praxys is a brand new systemic post-emergence herbicide from Scotts. It combines three modern active ingredients and two different modes of action. Praxys rapidly enters target weeds, travelling through the whole plant to give complete weed destruction.</p>						
<b>Praxys</b>  Mapp 13912	Florasulam Fluroxypyr Clopyralid	Broad Leaved Weeds in Turf	5L	25,000 - 50,000m <sup>2</sup>	10-20ml in 2 Litres Water per 100m <sup>2</sup>	1-2 Litres in 200 Litres Water per 10,000m <sup>2</sup>
Period of use						
				Maximum 1 application per year		



<p>For the control of invasive and tough woody weeds.</p>						
<b>Icade</b>  Mapp 16182	Aminopyralid Triclopyr	Tough Woody Weeds	1L	2,500m <sup>2</sup> - 3,333m <sup>2</sup>	20ml in 20 Litres Water per 100m <sup>2</sup>	5 Litres in 200-700 Litres Water per 10,000m <sup>2</sup>
Period of use						



# TOTALS

PRODUCT	CONTAINS	CONTROLS	PACK	COVERAGE	KNAPSACK OR EVENSPREY	TRACTOR MOUNTED												
<p>Pistol® is a barrier acting non-selective total herbicide for the control of a wide range of annual and perennial broad-leaved weeds and grasses on soft and gravel surfaces in amenity situations. Pistol® has foliar absorbed translocated activity, combined with soil acting properties, providing pre-emergence weed control. The product is applied post emergence to control a wide range of annual and perennial broad-leaved weeds and grasses on porous surfaces on land not intended to bear vegetation.</p>																		
<b>Pistol</b>  Mapp 12173	Diflufenican Glyphosate	Broadleaved Weeds and Grasses	1L and 5L	2,222m <sup>2</sup> 11,111m <sup>2</sup>	45ml in 2.5-10 Litres Water per 100m <sup>2</sup>	4.5L in 200-600 Litres Water per 10,000m <sup>2</sup>												
Period of use	<table border="1"> <tr> <td>Jan</td><td>Feb</td><td>Mar</td><td>Apr</td><td>May</td><td>Jun</td><td>Jul</td><td>Aug</td><td>Sep</td><td>Oct</td><td>Nov</td><td>Dec</td> </tr> </table>						Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec							



<p>A low hazard total weedkiller which enters the plant quickly for improved control. For use in amenity, forestry, industrial and aquatic situations.</p>																		
<b>Round-up Biactive 360</b>  Mapp 10330	Glyphosate	Broadleaved Weeds and Grasses	5L	10,000m <sup>2</sup>	250ml in 13 Litres Water per 500m <sup>2</sup>	5 Litres in 200-300 Litres Water per 10,000m <sup>2</sup>												
Period of use	<table border="1"> <tr> <td>Jan</td><td>Feb</td><td>Mar</td><td>Apr</td><td>May</td><td>Jun</td><td>Jul</td><td>Aug</td><td>Sep</td><td>Oct</td><td>Nov</td><td>Dec</td> </tr> </table>						Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec							



<p>Fast control of grasses and broad-leaved weeds. It can also be used for weed control around ornamental crops including trees and shrubs. Finale® is also ideal for preparing sports-turf for line-marking.</p>																		
<b>Finale</b>  Mapp 10092	Glufosinate - Ammonium	Fast control of Broadleaved Weeds and Grasses	5L	10,000m <sup>2</sup>	50ml in 2 Litres Water per 100m <sup>2</sup>	5 Litres in 200-400 Litres Water per 10,000m <sup>2</sup>												
Period of use	<table border="1"> <tr> <td>Jan</td><td>Feb</td><td>Mar</td><td>Apr</td><td>May</td><td>Jun</td><td>Jul</td><td>Aug</td><td>Sep</td><td>Oct</td><td>Nov</td><td>Dec</td> </tr> </table>						Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec							



**Superior *knockdown* that strikes out weeds...**



**...*residual* action that will bowl you over!**

- Long lasting - prevents germination for 6 months
- Resilient - controls many difficult weeds
- Rainfast in 1 hour
- Classified Non-hazard/Non-irritant to the operator
- Dual action formulation



Bayer Environmental Science  
A Business Operation of Bayer CropScience



**Pistol**

Bayer Environmental Science, 230 Cambridge Science Park,  
Milton Road, Cambridge CB4 0WB  
Tel: 00800 1214 9451 Fax: 01223 226635  
[www.escience.bayercropscience.co.uk](http://www.escience.bayercropscience.co.uk)

ALWAYS READ THE LABEL : USE PESTICIDES SAFELY.  
Pistol® contains glyphosate and diflufenican (MAPP 12173) (PCS 02530).  
Pistol is a registered trademark of Bayer.  
© Bayer Environmental Science 2009.

# TOTALS CDA - ready to use herbicide

PRODUCT	CONTAINS	CONTROLS	PACK	COVERAGE	KNAPSACK OR EVENSPREY	TRACTOR MOUNTED						
CDA Vanquish is a ready to use, Controlled Droplet Application Herbicide that gives excellent control of annual and perennial grass and broad-leaved weeds in grass and industrial areas.												
<b>Vanquish</b>	Contact Glyphosate	Grasses and Broad Leaved Weeds	5L	3,333m <sup>2</sup>	Ready to Use	N/A						
Period of use												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec



## Landscaper Lance

The most comprehensive CDA spray lance on the market, CDA Landscaper offers a whole range of award winning features.

Features:

- Automatic calibration on all settings.
- Spray widths of 6", 12" 20" & 30".
- Application rates of 10, 15, 20 & 25 litres per hectare.
- Pace adjustment from 55 to 90 paces per minute with LED indicator light.
- Uphill or downhill operation with no effect on herbicide flow.
- Rechargeable NI batteries with fast change bayonet mountings.



# Festival



Relax.  
New Festival does the  
weeding so you don't need to.

- ✓ Controls and prevents weeds in ornamental trees and shrubs.
- ✓ Both pre and post emergence efficacy



- ✓ Ideal alternative to Dichlobenil products
- ✓ Up to 6 months residual action
- ✓ More cost effective than multiple glyphosate treatments

## Key Features and benefits

- Controls and prevents weeds in ornamental trees and shrubs
- Both pre and post emergence efficacy
- Ideal alternative to Dichlobenil products
- Up to 6 months residual action
- More cost effective than multiple glyphosate treatments

## Missing Dichlobenil?

Festival® is a liquid formulation pre and post emergence herbicide offering both knockdown and residual control of a wide range of weeds\* in ornamental trees and shrubs. Since the withdrawal of dichlobenil based products Festival® is an ideal substitute.

## Plant Safety

Festival® can be used on established trees and shrubs (including roses) without risk of damage so long as the label instructions are followed. Avoid direct contact with foliage when spraying.

Relax. Festival® does the weeding  
Festival® will provide up to 6 months residual control of susceptible weeds\* from one application. Festival® is more cost effective than multiple glyphosate treatments.

## Dose Rates/Tank Mix

Festival® is available in 1L packs. Apply 4 or 8 L/ha in 300-1000 litres of water per hectare. Use the higher volume where weed infestation is already dense. Complete wetting of weed foliage is essential. Festival® is compatible with FINALE® in a tank mix.

Mapp 10092  
Pack size: 1 Litre

# The ultimate growth regulator for the improvement of turf performance

## Primo Maxx® II Benefits

- Increases sward density and root mass
- Reduces mowing frequency by up to 50%
- Enhances turf colour, appearance, strength and resilience
- Improves stress tolerance

## Product characteristics

- Pack size: 5 litre and 10 litre
- Packs per outer: 4 x 5 litre and 2 x 10 litre
- Contains 116.4g/l trinexapac-ethyl
- MAPP No. 17509 PCS No. 05401

## Application rate

- Maximum individual dose: 3.2 l/ha
- Water volume: 300 - 1,000 l/ha
- Maximum total dose: 16 l/ha per year
- MAPP No. 17509 PCS No. 05401

## Grass Species

Primo MAXX is specific to turf management and has beneficial effects on all grass species typically sown on UK golf courses. Application rates for fast growing Perennial ryegrass are higher than fine Bent, Fescue and Poa species.

## Shaded areas

Grass plants growing in shaded areas create more gibberellic acid in an attempt to reach the light - resulting in tall, etiolated growth. The application of Primo MAXX to suppress gibberellic acid production will help to minimise these effects and create a denser healthier surface.

## Tank-mix options

Primo MAXX may be safely tank mixed and applied with liquid fertilisers and nutrients. For other tank mixes, including herbicides and fungicides, consult your technical advisor before application. The new liquid formulation Primo MAXX is easier to handle and measure than powder formulations. It rapidly and evenly disperses in the tank for easier and more effective spraying.

## Application advice

Apply Primo MAXX in a water volume of 300 to 600L/Ha in a medium quality spray. Lower water volumes will increase work rates and thus improve the timelines of applications.

## Number 1 innovation in greenkeeping

Primo MAXX was voted the Number 1 advancement in modern greenkeeping, in a survey for Golfweek's SuperNEWS. It was cited as the first PGR that could be safely and predictably used on all fine turf areas, which has proven an invaluable tool to save mowing labour and maximise turf colour and density.

## Application Programme

The Primo MAXX programme can be commenced at any stage of the growing season, but ideally should start at the onset of spring growth and continue whilst grass is actively growing. Primo MAXX programme will give the best results in preventing the effects of drought - by maintaining healthy grass for longer and aiding rapid recovery - if a series of treatments are made before grass comes under stress (Pre-Stress Conditioning).

If grass growth stops during extended dry periods, Primo MAXX application periods may be extended until moisture and growth returns. Do not apply Primo MAXX to stressed turf.



## Grass Cutting

Primo MAXX will slow vertical grass growth within one or two weeks of initial application. Continue to mow greens as normal. On other areas of the course mowing intervals can be extended as the cumulative benefits of the Primo MAXX programme take full effect.

The first noticeable difference will be far fewer clippings to remove - up to 50% less over the season. This will significantly increase mowing speed and reduce wear and tear on equipment. It will also reduce any financial burden under new composting waste legislation that may apply to golf courses.

As Primo MAXX encourages lateral growth, to create denser ground coverage, the slower vertical grass growth will provide greater flexibility in cutting intervals and mitigate the effects of rain disrupting the cutting schedule.

Slower vertical grass growth will retain visually appealing cutting patterns for longer.

### Directions for use

1. To optimise best results, applications can start when consistent grass growth commences or when soil and air temperatures average 8 - 10 degrees or above for more than 5 days consecutively. For weather and temperature guidance go to [www.greencast.co.uk](http://www.greencast.co.uk)
2. Various application rates are recommended depending on intended area of use.
3. For best results apply with Liquid N (minimum 2.5kg N/ha)
4. Avoid applications during frosty or drought conditions
5. Can be tank mixed with Greenmaster Liquids and sportsmaster WSF water soluble fertilizers. Advice should always be sought from your ICL Technical Area Sales Manager before any tank mix is applied.
6. Mix with Colour Pro spray pattern indicator to aid spraying, to condition water and minimise spray drift.
7. **FOR USE ONLY AS A HORTICULTURAL PLANT GROWTH REGULATOR.**



# Safor

**A surface biocide for use against moulds, fungi and algae on external hard surfaces.**

Safor is a blend of organic acids and surfactants that provides a safe and easy solution to hard surface management.

Key Points:

- Cleans and removes algae, slimes and lichens
- Liverworts deterred
- Reduces the risk of slippery surfaces
- Better health and safety by reducing accidents
- Easy and economical to use
- Algae and lichens colonise areas such as buildings, roofs, path and walkways. They are unsightly, damaging surfaces and can create slippery areas.

Safor works by killing the chloroplasts with biocides, which prevent photosynthesis and the living plant tissue dies. Safor has a very rapid effect - results usually occur within 48 hours. It is strong and long lasting, and it's efficient cleaning action visually brightens surfaces

Safor contains urea, hydrochloride & benzakonium chloride, it has label recommendations for concrete, asphalt, tarmac, block paving and artificial sports surfaces

Summary

Contains: Urea, hydrochloride, benzakonium chloride

App Rate (Normal): 5 L per 1000m<sup>2</sup> in 50 L water

App Rate (High): 5 L per 500m<sup>2</sup> in 50 L water



Moss on pathway



Lichen on concrete

# Rescue™ Herbicide

## RESCUE gives clean and efficient Ryegrass removal in fine turf

- RESCUE is an exciting new selective herbicide for the control of Ryegrass infestations in turf
- RESCUE removes weed Ryegrass and some other coarse grass species, whilst leaving fine turf species and *Poa annua*
- Removal of coarse grass species will enhance putting surface consistency on greens, improve the visual appearance and playability of fairways and surrounds and thin out difficult roughs for better playability, easier ball location and faster play
- RESCUE has been tried and tested on all golf course types and is approved for use on all areas of the golf course
- The RESCUE Programme can help rejuvenate fine turf surfaces faster, more cost effectively and with longer lasting results than conventional cultural control
- RESCUE is rapidly absorbed into the leaves of target weed species from a foliar spray application. The active ingredient quickly moves systemically to reach growing points and into the roots, stopping cell division and killing the plant



### Application rates:

Golf course greens, tees, fairways and rough April - June (max dose) 1.0-1.33 l/ha  
Sept - Nov (max dose) 1.0 l/ha  
Maximum number of treatments: two per annum  
Water volume: 250-500 l/ha  
Nozzle type: Flat fan 02 or 04 producing a medium quality spray  
RESCUE is rainfast in 1 to 2 hours.  
Do not tank Mix RESCUE with any other products





# Hydra Lake Clear

Removes Blanket Weed & String Algae from Lakes, Water Traps, Natural pools & Irrigation Systems

## Features & Benefits

Hydra Lake Clear is a complex blend of bacteria, enzymes, natural minerals and sequestrants. 100% biodegradable and free from additives which can cause toxic effects or oxygen deprivation.

It works the same way as barley straw but instantly. No waiting weeks to see results and no messy smelly straw to remove.

Rapidly removes blanket weed / string algae without altering the pH of water

Harmless to all fish, birds, reptiles, invertebrates, humans, animals, mammals and water plants.

Promotes clear healthy water by chelating and absorbing nitrates, phosphates and other pollutants.

These nutrients are used as a food source for blanket weed.

Safe on all surfaces including concrete and synthetic liners. Will not effect pumps or filters.

## Initial Treatment

Broadcast Hydra Lake Clear to affected areas at the high curative rate, either manually or by applicator. Once the blanket weed has died, turned grey or floats free, it can either be manually removed or it left to sink to the bottom where it will decompose.

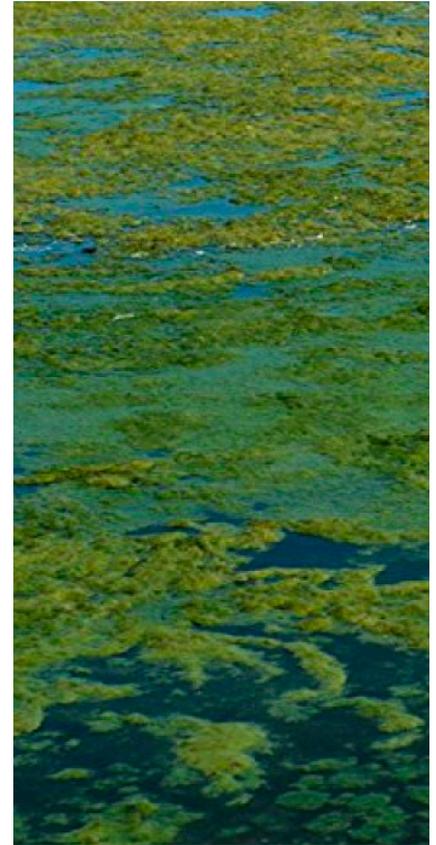
## Dilution rates:

**Ponds:** Initial Treatment 1 kilo treats up to 10,000 litres water.  
Maintenance Dosage: 1 kilo treats up to 50,000 litres water.

## Lakes/Irrigation Systems:

Initial Treatment: 25 to 50 kilos treats 1 acre.  
Maintenance Dosage: 5 to 15 kilos treats 1 acre.

Pack size: 25 kilo



*Dealing with all aquatic water problems keeping water oxygen rich and crystal clear*

# Sprayers

## CP15 and CP3 Classic Knapsacks & Evenspray 250



### 1. The Classic Series

For more than three decades the CP Classic range sprayers has been the preferred choice. The Classic range is available in 15 litre (CP15) and 20 litre (CP3) versions.

### 2. Spray shields

To avoid spray drift. Two types are available. A compact round shield and a wide shield.

### 3. Pre-packed service kits

Essential to ease maintenance and reduce down time.

### 4. Booms

Lightweight booms ideal for spraying larger areas. 2, 3 and 4 nozzle booms equipped with ISO F-02-110 colour coded flat fan nozzles. Output per nozzle at 2 bar is 0.65 l/min.

### 5. Evensprey 250

Designed to offer controlled spraying for the smaller applications where large plant cannot practically be used, the Evensprey 250 provides a professional standard solution where one didn't exist before. The go anywhere, rugged but light steel frame supported by three 8" pneumatic tyres, offers all weather access to the finest of turf surfaces without concern of damage.

The battery powers the unit for up to 2½ hours between charges and the finger on/off control ensures that you only spray where you need to.

25 litre spray tank



# Spray Pattern Indicators

## ColourPro Indicator

Advanced spray pattern indicator to assist spraying and minimise spray drift

Colour Pro® Indicator is an advanced spray pattern indicator formulated to provide the optimum conditions for the most accurate application of liquid sprays to turf and bare ground.

### Colour Pro® Indicator Benefits

- Premium blue indicator
- Low-staining formulation
- Contains anti-drift agent
- Sequestering agent to prevent lock up

### Product Characteristics

Pack size: 1 litre  
Packs per outer: 6 x 1 litre

### Application Rate

1 - 2.5 litres Colour Pro® Indicator in  
1,000 litres of water

### Areas of Use

Can be used with all spray applications



# Linemarking

## The Topline 606 New Improved Version

This classic machine is seen all over the world. It is rugged but simple design offers a combination of performance with economy, which is hard to beat. A series of improvements and refinements have been completed over the years to ensure reliability and consistence performance in all situations.

The TXE features a 25 litre marking liquid tank and is supplied complete with mixing bucket, filtered funnel and wide faced mixing stick.



## **Topline Briteliner** Transfer Wheel Marker

The BriteLiner is a time proven and extremely robust transfer wheel box marking machine which will delight the more traditional Groundsman. Marking liquid is carried on the grooved rubber surfaces on the transfer applied directly to the grass. It is simplicity itself and as long as the machine is properly cleaned after use the operator can look forward to many, many years of trouble free operation.

4" marking wheels  
3" marking wheels  
2" marking wheels



# Linemarking Liquids

PRODUCTS	FOR USE ON	SIZE	DILUTION RATES	APPLICATION
	Stadiums, Sportsfields and other top Sporting venues where a high level finish is required	10 Litre	Initial marking: 1 Litre EXTREME to 4 litres of water. Over marking: 1 litre EXTREME up to 10 litres of water.	Spray Marker or Transfer Wheel
	Sportsfields and other grass areas where a high quality durable line is required	10 litre	Initial marking: 1 Litre SPORTSLINE to 4 litres of water. Over marking: 1 litre SPORTSLINE up to 10 litres of water.	Spray Marker or Transfer Wheel
	Quality linemarking paint for Sportsfields and other grass areas.	10 litre	Initial marking: Use neat or 1 Litre BLADE to 3 litres of water. Over marking: 1 litre BLADE up to 3 litres of water.	Transfer wheel



# Golf Course Accessories

## Flags

### Flag Materials

Nylon  
Woven polyester  
Knitted polyester

### Logo, Numbered and Chequered Flags

Woven polyester and  
Knitted polyester only

### Colours

Red  
Yellow  
White  
Green  
Navy  
Royal  
Sky  
Maroon  
Orange  
Black

### Flag Types

12" x 10" with nylon tie (red and yellow only)  
16" x 12" with tie or velcro  
18" x 14" tube (american fittings)  
18" x 14" grommeted for american spinners  
18" x 14" with tie or velcro

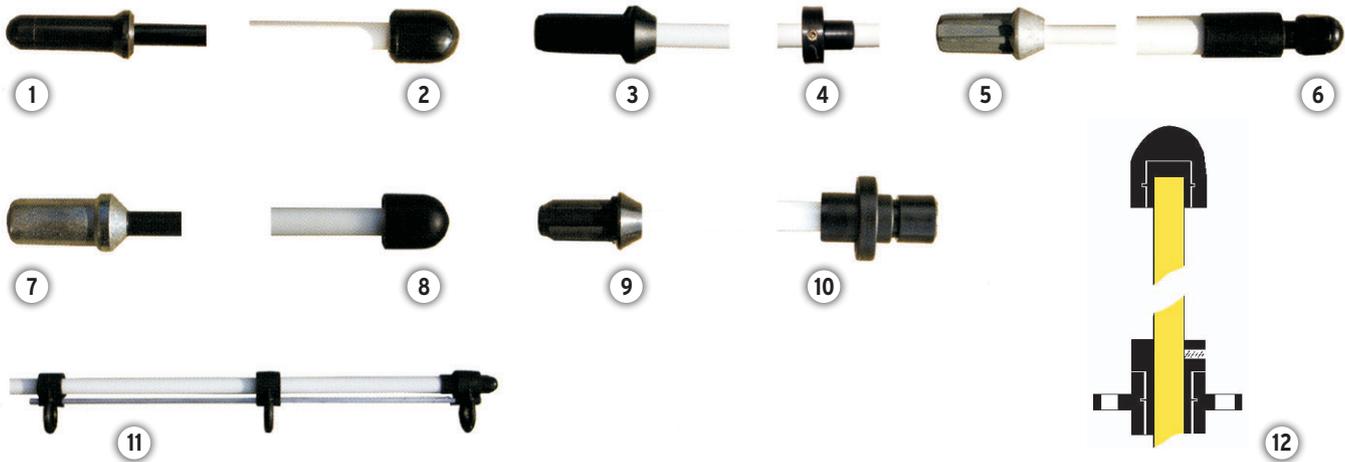




## Flag Pins

- 1 Aluminium Flag Pin**  
For use with tie on flags.
- 2 Fibreglass Flag Pin**  
American top fitting, for use with tubed flags.
- 3 PVC Flag Pin**  
For use with tie on flag.
- 4 Tournament Flag Pin**  
For use with all types of flag.
- 5 Standard Fibreglass Flag Pin**  
For use with tie on flags.
- 6 Fibreglass Flag Pin With Spinner**  
For use with eyeleted flags only.
- 7 Fibreglass Flag Pin System**  
For use with tie on and velcro flags only.
- 8 Placement Marker Flag**  
Adjustable marker flag that can be moved up or down the flag pin, indicating the position of the flag pin on the green, white, red, yellow or blue (plain flags available).
- 9 Placement Marker**  
Adjustable marker that can be moved up or down the flag pin, indicating the position of the flag pin on the green, red or yellow.





1 UK Size Standard Ferrule

2 UK Size Standard Top Knob

3 UK Size Locking Ferrule

4 Fibreglass Flag Pin Tie Collar

5 USA Size Grooved Ferrule

6 USA Flag Pin Top Fitting

7 USA Size Heavy Weight Ferrule

8 Fibreglass Pin Spin System Top Knob

9 USA Size Locking Ferrule

10 Fibreglass Spin System Flag Retainer Ring

11 Fibreglass Pin Flag Spinner For Eyeleted Flag

12 The Unique CMW Flag Spin System

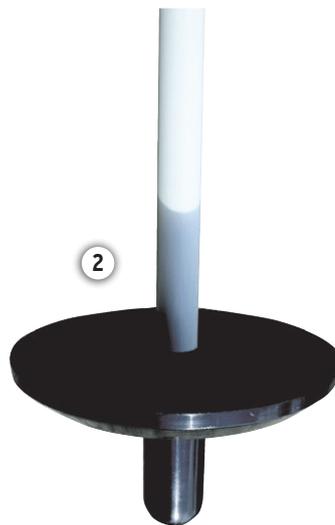
This system is compatible with tie on and velcro flags. The system allows both the top knob and the flag retainer ring to spin freely on the fibreglass pin, preventing wear and tear on the flag sleeve also allowing the flag to fly freely

FLAG PIN TYPE	FITTINGS AND COMBINATIONS AVAILABLE										
	STD TOP KNOB	REVOLVING TOP KNOB	PLATED POLE RING	REVOLVING FLAG COLLAR	USA PIN TOP	STANDARD UK FERRULE	UK LOCK FERRULE	USA H/WEIGHT FERRULE	USA GROOVED FERRULE	USA LOCKING FERRULE	PLASTIC POLE RING
UK STYLE FIBREGLASS PINS YELLOW OR WHITE OR 2 COLOUR INCLUDING - BLACK, RED, BLUE, GREEN HEIGHT - 6FT, 7FT, 8FT, 10FT, 12FT	YES	YES	YES	YES	NO	YES	YES	YES	YES	YES	NO
US STYLE FIBREGLASS PINS YELLOW OR WHITE OR 2 COLOUR INCLUDING - BLACK, RED, BLUE, GREEN HEIGHT - 6FT, 7FT, 8FT, 10FT, 12FT	NO	NO	NO	NO	YES	YES	YES	YES	YES	YES	NO
TOURNAMENT PINS BLACK/WHITE BLACK/YELLOW HEIGHT - 7.5FT	NO	NO	NO	NO	YES	NO	NO	YES	YES	YES	NO
ALUMINIUM PINS WHITE, BLACK/WHITE HEIGHT - 6FT, 7FT, 8FT, 10FT, 12FT	NO	NO	NO	NO	NO	YES	YES	YES	YES	YES	YES
PVC PINS WHITE, BLACK/WHITE HEIGHT - 6FT	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	YES

NOTE - ALL FIBRE GLASS PINS CAN BE PVC SLEEVING (SEE PRICE LIST) PVC SLEEVING STANDARD ON TOURNAMENT PINS



1



2



3



## Putting Green Markers

### 1 Putting Green Flag

1/2" diameter fibre glass rod with ball lifter dish and top knob. Free spinning flag plain, numbered or with logo. Single or double layer available. White, red, yellow or blue.

### 2 Putting Green Flag Ball Lifter

Lifting dish on the bottom of putting flag. Suitable for both aluminium and fibre glass putting flags.

### 3 Aluminium Putting Green Flag

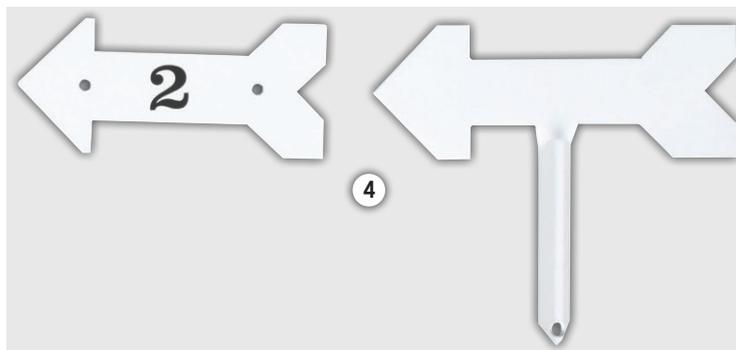
Supplied plain, numbered or with logo (numbers and logo on both sides). Standard or with lifter dish on bottom. White, red, yellow, green or blue.

### 4 Putting Green Arrows

White aluminium arrows, plain or numbered. Available with or without standing leg.

### 5 Putting Green Hole Cup

Plastic hole cup cut down 1" for easy fitting on putting greens.



4



5

## Hole Cups

### 1 Aluminium Hole Cups

Excellent shape retention available in natural or white.

#### Antimud Style

Suitable for UK ferrule only.

#### USA Style

Supplied with UK and USA size ferrule.  
Holes for standard and locking ferrules.

### 2 Nylon Hole Cups

Excellent shape retention available in natural or white.

#### Antimud Style

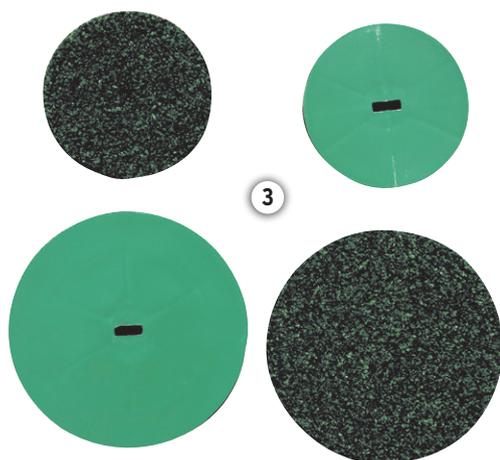
Suitable for UK ferrule only.

#### USA Style

Supplied with UK and USA size ferrule.  
Holes for standard and locking ferrules.

### 3 Hole Covers

Plastic or artificial grass covers for standard and winter hole cups.



## Signs

All signs made from 12 gauge aluminium sheet, phosphated & powder coated. Stake/ stakes supplied with all signs unless stated. Standard colour of signs - white, yellow, red, green, blue Colour of lettering - black, white, red, yellow, gold, green, royal, navy lettering in computer cut 5/7 year term vinyl. Logo's available.

### Standard Signs - Texts Available

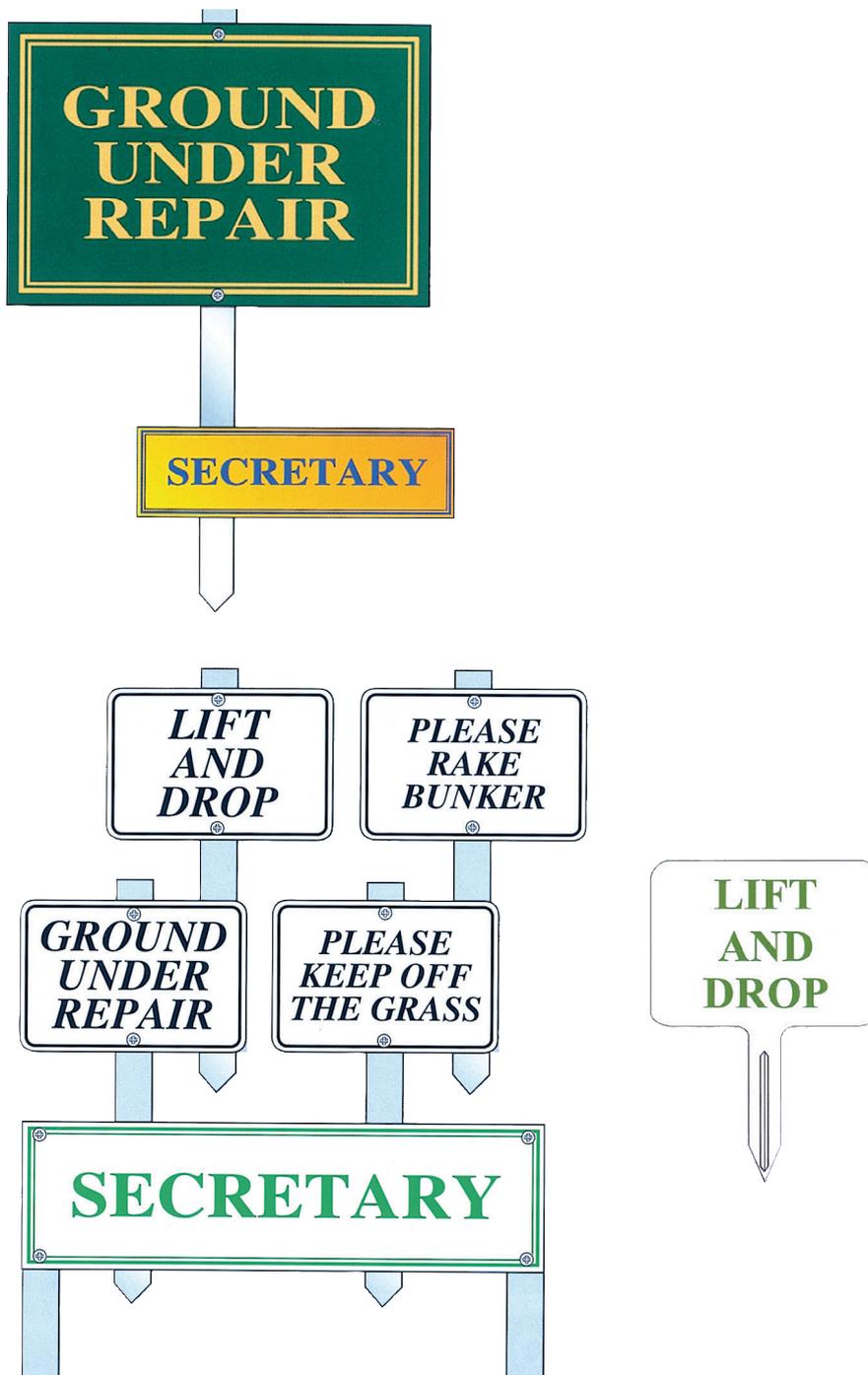
- 6" x 4" Ground under repair, lift & drop, temporary green, please repair pitchmarks, please rake bunker
- 8" x 6" Ground under repair, lift & drop, trolleys this way, next tee, to the next tee
- 12" x 8" Ground under repair, trolleys this way, no trolleys, buggies this way, next tee
- 5" x 25" L.G.U., G.U.R.
- 14" x 4" Secretary, Captain, Lady Captain, Vice Captain, President, Committee, Professional.

Customised Signs available in following sizes - 6" x 4", 8" x 6", 12" x 8", 14" x 4", 16" x 12", 24" x 12", 24" x 18", 36" x 24". Other sizes quoted on request.

Economy range - 7" x 5" text area, made with spike incorporated into sign. Material & finish specification same as above. One colour - white with green text.

Text available - lift and drop, ground under repair, please rake bunkers, please repair pitchmarks.

*Supplied in packs of 10 (Same text on all signs) only Text screen printed.*



## Turfing Renovation

### 1 Aeration Fork

Can be used with either solid or hollow tines.

### 2 Turf Renovator

10" round screw type renovator.

### 3 Soil Sampler

A heavy duty, hard wearing stainless steel soil sampler.

### 4 Turf Renovator

9" square turf renovator with four knock down blades.

### 5 Rotary Seed Slotter

Used for overseeding worn areas on all fine turf areas. The rotary unit will not tear up the surface and the correct depth is obtained by the stops at each end of the slotter reel.

### 6 Turfing Iron

CMW economically priced turfing iron.

### 7 Turfing Iron

Spear and Jackson professional turfing iron.



## Drag Mats and Dew Control

### 1 Dragbrushes

4" wide, 5' wide, 6' wide or 7' wide heavy duty steel framework encloses stiff nylon replaceable bristle heads. For use with top dressings, dew and worm cast removal, grass teasing and ground clearance.

### 2 Telescopic Switch

7' extends to 13.5' lightweight aluminium handle and fibre glass tip.

### 3 Core and Snow Snoop

20" wide dual purpose tool with 54" wooden handle.

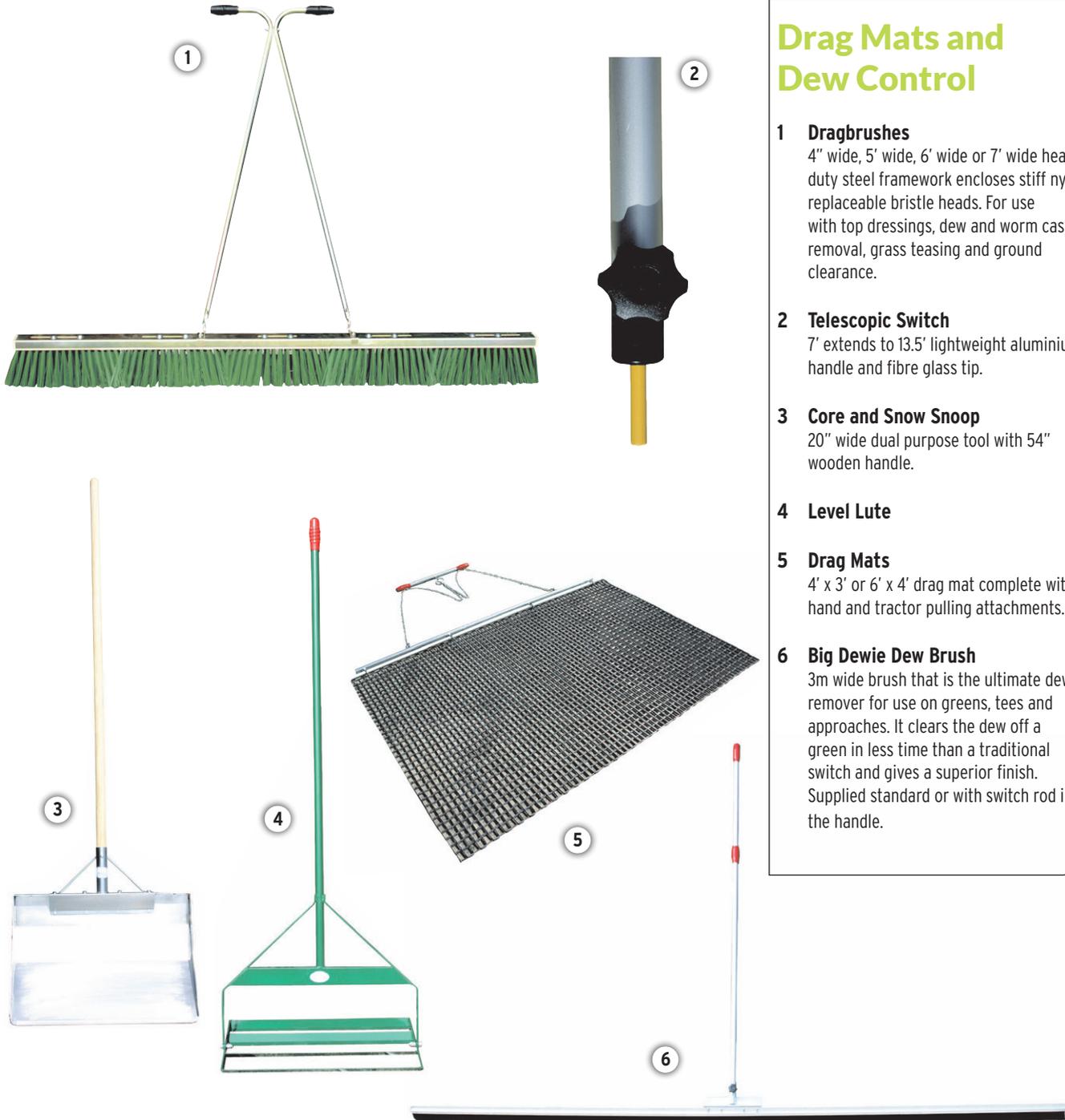
### 4 Level Lute

### 5 Drag Mats

4' x 3' or 6' x 4' drag mat complete with hand and tractor pulling attachments.

### 6 Big Dewie Dew Brush

3m wide brush that is the ultimate dew remover for use on greens, tees and approaches. It clears the dew off a green in less time than a traditional switch and gives a superior finish. Supplied standard or with switch rod in the handle.



## Hole Cutters

- 1 Hio Hole Cutter**  
Optional clay or sand blades.
- 2 Easicut Extra Hole Cutter**  
The same principle as the CMW Easicut but with a rigid framework. Replacement blades available, standard or reinforced.
- 3 Easicut Hole Cutter With Blade Lifter**  
The same as the CMW Easicut but with the addition of a blade lifter. Easy operation minimises the risk of injury where blades are difficult to remove.
- 4 Easicut Hole Cutter**  
The premier hole cutter, developed in collaboration with greenkeepers to ensure the strongest framework possible. Blades available in standard, reinforced and extra reinforced.
- 5 Standard Hole Cutter**  
The traditional screw action hole cutter.
- 6 Winter Hole Cutter**  
Not illustrated. Screw action to cut 6" diameter holes. Can also be used for turf renovation.
- 7 Turfmaster Hole Cutter**  
Lightweight construction, standard and reinforced replacement blades available.





## Cup Setters, Boards & Accessories

- 1 Rubber Mallet**  
Ideal for use with Easicut and Turfmaster hole cutters, and general maintenance.
- 2 Dead Blow Mallet**  
Ideal for use with Easicut and Turfmaster hole cutters, and general maintenance.
- 3 Hole Trimming Scissors**  
Curved for hole finishing.
- 4 Hole Finisher & Sizer**  
Ensures smooth finish after cutting the hole and sets the correct depth of the hole cup and also removes any crowning.
- 5 Hole Cutter Guide**  
Cast aluminium foot plate for perfect positioning of hole cutters.
- 6 Plywood Hole Cutter Guide**  
Marine plywood foot plate for perfect positioning of hole cutters.
- 7 Height of Cut Setter**  
A unique tool that clips to cutting plate of mower, pulling up onto the rollers. Allows for very accurate setting by means of scale on the tool.
- 8 Stimpmeter**  
For checking the speed of greens.
- 9 Hole Cup Removers Rammer**  
Cup lifter, UK and USA size.
- 10 Two Hook Puller**
- 11 Single Hook Puller**
- 12 Puller Rammer**

## Rakes

### 1 Bunker Loop

Aluminium for lightness with black handle grip. Ideal for courses that suffer from pilferage as this item is of no other practical use.

### 2 Ball Scoop

Strong aluminium head fixed to a 1" tubular aluminium handle complete with grips. Available in 7', 10' and 13' lengths.

### 3 Rake Wooden Handle

22" black plastic rake head with either a 54" o 72" wooden handle. Plastic rake head very durable and light.

### 4 Rake Fibreglass Handle

22" black plastic rake head with green 60" tubular fibreglass handle. The handle is fitted with a plastic grip.

### 5 Rake Aluminium Handle

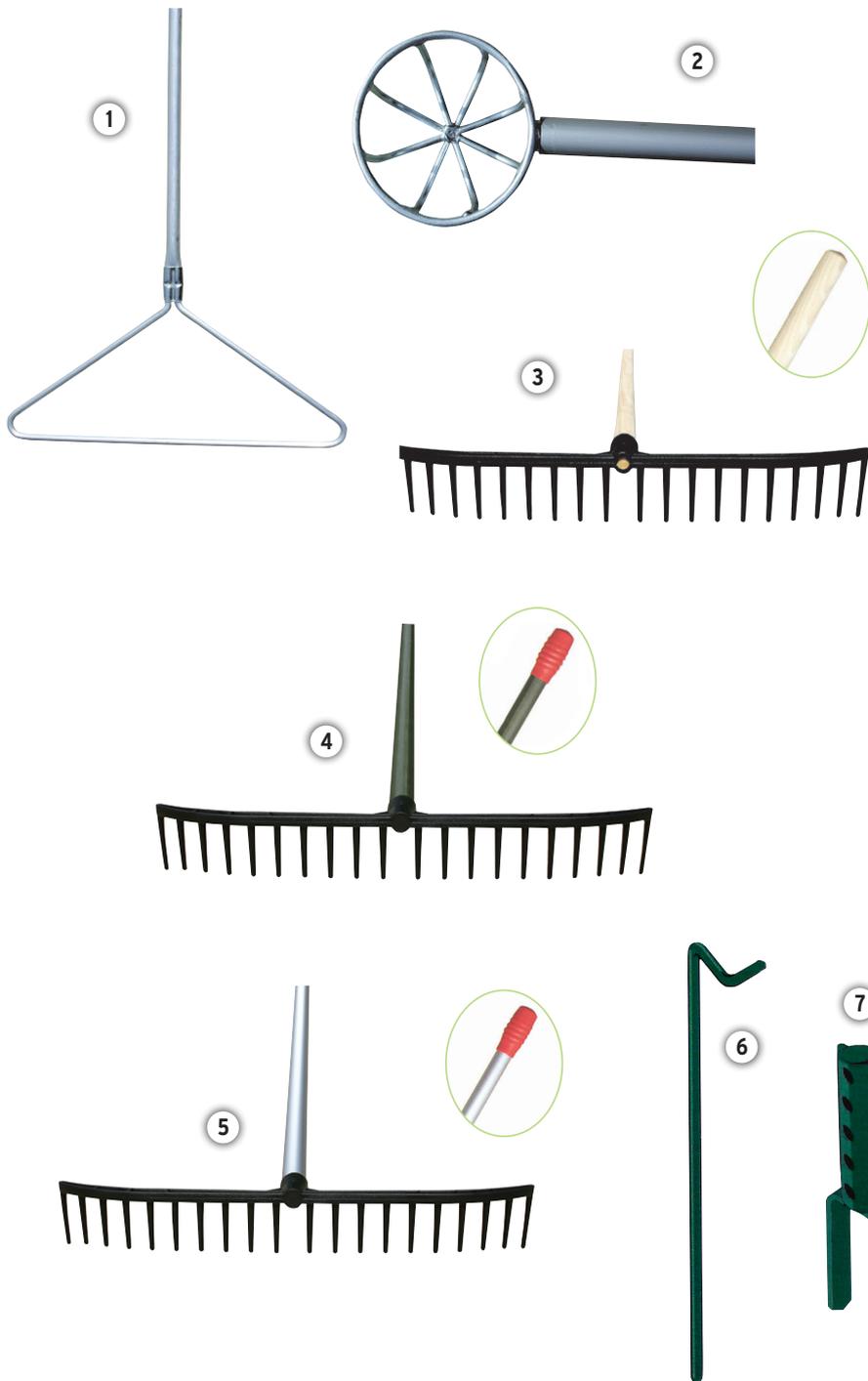
22" black plastic rake head with green 60" tubular aluminium handle. The handle is fitted with a plastic grip.

### 6 Bunker Rake Rest

Can be positioned inside the bunker, keeping the handle of the rake off the ground.

### 7 Bunker Rake Stand

This stand keeps rake handles clean and dry by keeping them off the ground. It also saves time whilst mowing around bunkers. Suitable for CMW 54" and 72" wooden handles only.



## Professional Rakes

### 1 Chelwood 18E Steel Rake

70cm head with 18 teeth  
High tensile steel teeth landscaping rake complete with black edge for grading and levelling. Same dimensions as the 18S, complete with 180cm handle ready for use.

### 2 Chelwood 18S Steel Rake

70cm head with 18 teeth  
Course rake ideal for hard packed soil, complete with 180cm handle ready for use.

### 3 Chelwood 18K Steel Rake

55cm head with 18 teeth  
All purpose rake, a short backward push cleans rake of wet leaves etc. Use at approx. 70° for grass and leaves and about 45° for soil, comes complete with 180cm handle ready for use.

### 4 Chelwood 27L Steel Rake

55cm head with 27 teeth  
Long teeth ideal for grass and leaves, comes complete with 180cm handle ready for use.

### Chelwood 27S Steel Rake

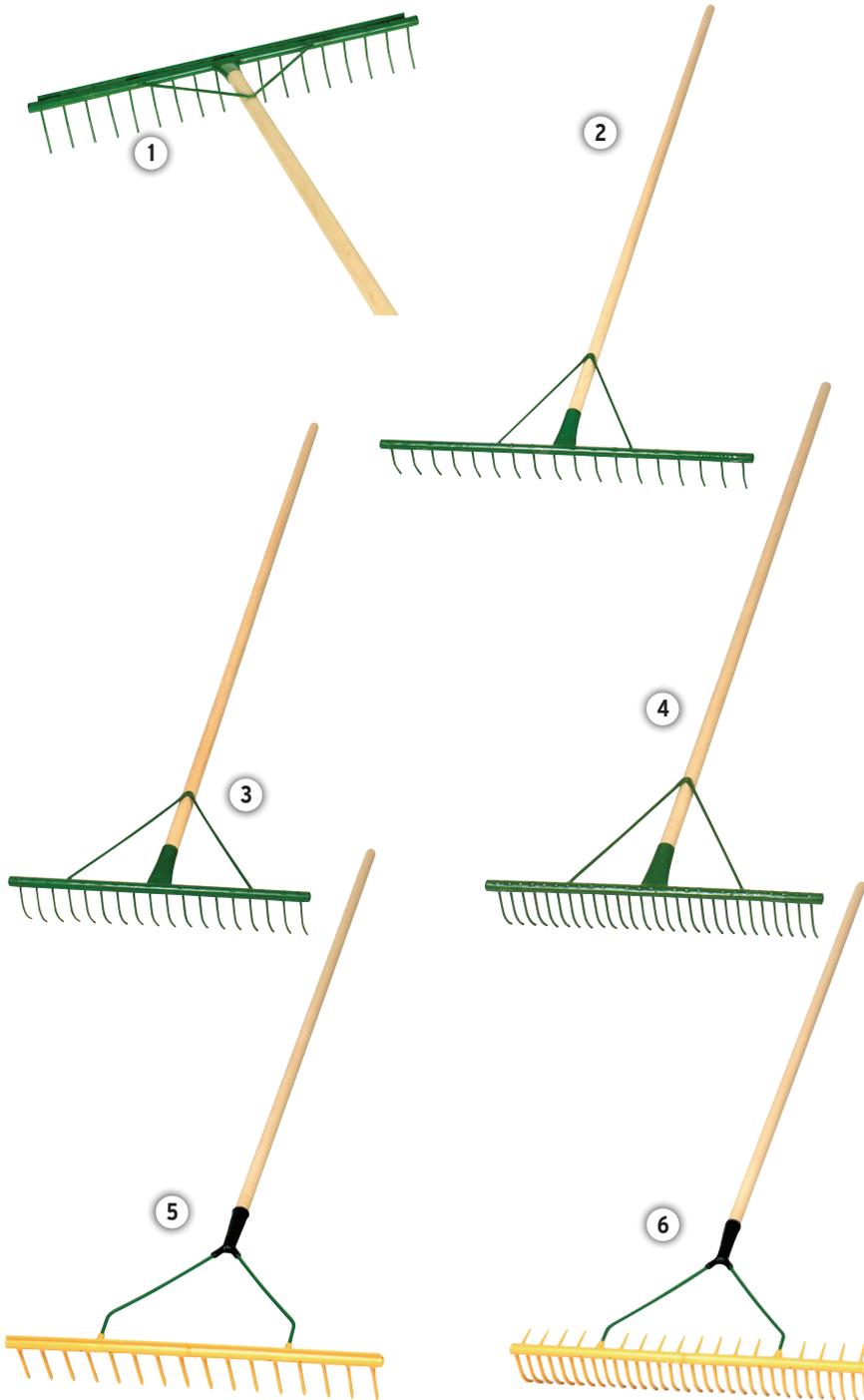
55cm head with 27 teeth  
Groundsmans rake ideal for scratching filth on hard packed or worn areas. Not illustrated.

### 5 Chelwood 16P Polypropylene Rake

Replica of the original hay rake, lightweight strong and flexible. Ideal for soil, gravel, grass and leaves.

### 6 Chelwood 32P Polypropylene Rake

Self cleaning leaf and grass rake, back supports to allow debris build up. When full lift and turn and debris clearly away.



# TEETURF NF

## “Non Filled” Nylon Artificial Grass Tee System

Hard Wearing, Easily Maintained All Weather Tees with no infill required that blend naturally into their surroundings



- Non filled, Tough knitted nylon construction 35mm thick.
- Easy and quick to install, maintain and eventually replace.
- No sand or rubber infill required.
- Permanent installation allowing all year round use when conditions require.
- Suitable to replace natural tees in shaded and wet locations where natural grass is a problem.
- Any size or shape possible.
- Easy placement of standard tee pegs anywhere on the surface.
- Holds tee firmly but not rigidly.
- Does not Compact “No Infill”.
- Good surface grip, comfortable for players.
- Resilient to wear and fatigue.
- Low shock, impact absorbing.
- Shots can be played directly off the surface.
- Standard size 4m and 2m widths



# Aquadyne *The proven solution*

a product of econoplus ltd

## EXCEPTIONAL GOLF COURSE DRAINAGE A UNIQUE ENVIRONMENTALLY SUSTAINABLE PRODUCT

**Aquadyne** drainage has established an excellent reputation within the golf/green keeping industry. It is highly cost effective, fast and simple to install and combats the long term problems of conventional drainage.

Aquadyne is used on hundreds of courses by some of golf's most respected course managers and greenkeepers.

Combats the long term problems of conventional drainage

- Settlement
- Compaction
- Infiltration
- Migration
- Drying out

### Environmentally Sustainable Golf

Aquadyne is manufactured using an innovative, low energy production process and uses 100% post use recycled raw materials.

For every 200 mts of Aquadyne used a direct saving of 2 tonnes Co<sup>2</sup> (greenhouse gas) emissions are saved



Bunkers



Greens



Fairways



Driving Range



Buggy Track/  
Path Edging

# Sports Nets and Posts

## Football

### Steel Socketed Goals

#### Heavyweight Steel Socketed Goals:

- Made from heavyweight 60mm OD steel
- Powdercoated white
- Post go 46cm deep into 70mm OD steel sockets
- Complete with safety net hooks & plastic socket caps

#### Extra Heavyweight Steel Socketed Goals:

- Made from extra heavyweight 76mm OD steel
- Powdercoated white
- Post go 46cm deep into 83mm OD steel sockets
- Complete with safety net hooks & plastic socket caps

<b>A 60mm Senior</b> - 7.32m x 2.44m (24' x 8')	<b>2760</b>
<b>60mm Youth</b> - 6.40m x 2.13m (21' x 7')	<b>2762</b>
<b>76mm Senior</b> - 7.32m x 2.44m (24' x 8')	<b>2759</b>
<b>76mm Youth</b> - 6.40m x 2.13m (21' x 7')	<b>2763</b>

#### Spares:

<b>B 60mm Sockets</b> (Set of 4)	<b>2780</b>
<b>60mm Plastic Socket Caps</b> (Set of 4)	<b>PLU-700</b>
<b>B 76mm Sockets</b> (Set of 4)	<b>2781</b>
<b>76mm Plastic Socket Caps</b> (Set of 4)	<b>PLU-800</b>
<b>C Safety Net Hooks</b> (Each)	<b>HK-02</b>

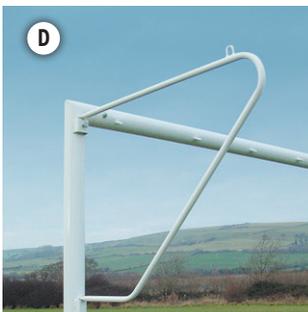
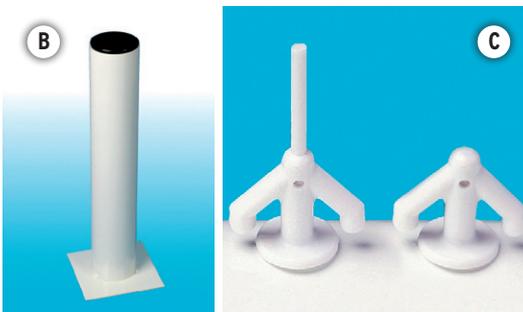
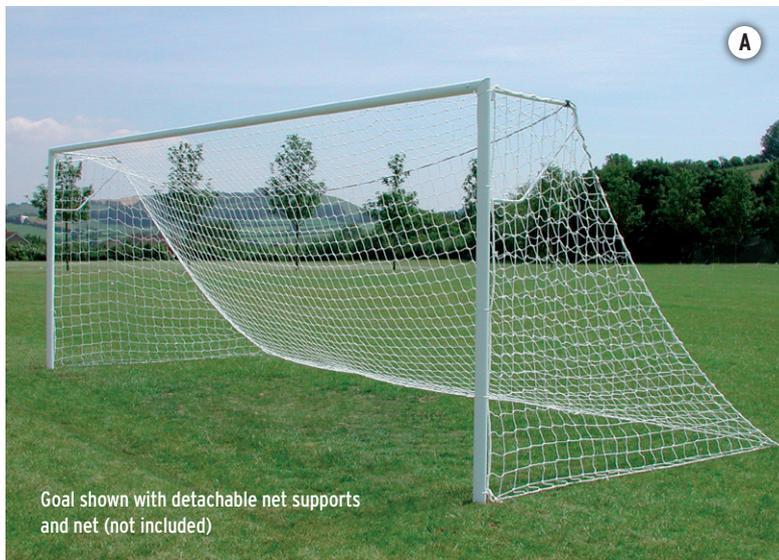
#### Accessories:

<b>D Continental Net Supports</b> (Set of 4) 20mm OD tubular steel powdercoated white	<b>2190</b>
<b>Solid Continental Net Supports</b> (Set of 4) 20mm OD solid steel powdercoated white	<b>2190/SOL</b>

#### Extra Heavyweight Steel Socketed Goals:

- Made from extra heavyweight 76mm box section steel
- Powdercoated white
- Post go 60cm deep into 90mm square steel sockets
- Complete with safety net hooks & plastic socket caps

<b>Senior</b> - 7.32m x 2.44m (24' x 8')	<b>2772</b>
<b>Youth</b> - 6.40m x 2.13m (21' x 7')	<b>2773</b>
<b>Senior International Net Supports (set of 4)</b> 34mm OD tubular steel powdercoated white	<b>2186</b>



## Edwards Self Weighted Rollaway Goal

Edwards self weighted rollaway goals require no additional anchorage, optimizing mobility. They are designed for use on synthetic or grass pitches and come complete with Edwards new lever-lift wheel system.

- Made from elliptical 100mm x 107mm OD aluminium
- Powdercoated white
- Precision cut elbow joints for strength
- Channel takes safety net fixings
- Steel counterbalance backbars
- Inc. tailored nets to fix neatly in channel
- Complete with 34mm tubular steel net supports

**Senior** - 7.32m x 2.44m (24' x 8')

**2719/R**

**Youth** - 6.40m x 2.13m (21' x 7')

**2720/R**



Goal shown with net (included)



Goal shown with net (not included)

## Elliptical Aluminium Freestanding Goals

- Made from elliptical 100mm x 107mm OD aluminium
- Powdercoated white
- Precision cut elbow joints for strength
- Channel takes safety net fixings
- Complete with 34mm tubular steel net supports

*With Continental Net Supports*

**Senior** - 7.32m x 2.44m (24' x 8')

**2719**

**Youth** - 6.40m x 2.13m (21' x 7')

**2720**

*With International Net Supports*

**Senior** - 7.32m x 2.44m (24' x 8')

**2719/I**

**Youth** - 6.40m x 2.13m (21' x 7')

**2720/I**

## Heavyweight Steel Freestanding Goal

- Made from heavyweight steel
- 60mm OD uprights and crossbar
- 50mm box section runbacks and backbars
- 34mm tubular steel net supports
- Powdercoated white
- Complete with safety net fixings
- Safety Standard:

**Senior** - 7.32m x 2.44m (24' x 8')

**2890**

**Youth** - 6.40m x 2.13m (21' x 7')

**2889**



Goal shown with net (not included)

## Nets

All Edward football nets conform to BS EN 748:2004 for senior goals and BS EN 8462:2009 for youth and small sided goals. These standards specify a minimum twine diameter of 2mm and a maximum mesh size of 120mm.



Goal type	Fit goal size(m)	Net size(m)	Net type	Specification	Runback(m) (Top - bottom)	Code
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### Senior Goals - all (pages 5-13) except Elliptical Aluminium Freestanding Goal

Senior Goal	7.32 x 2.44	7.5 x 2.5	World Cup	4mm polyethylene 120mm mesh	0.9 - 2.9	20001
Senior Goal	7.32 x 2.44	7.5 x 2.5	Wembley	3mm polyethylene 120mm mesh	0.9 - 2.9	20151
Senior Goal	7.32 x 2.44	7.5 x 2.5	Club	2.5mm polyethylene 120mm mesh	0.9 - 2.9	20261
Senior Goal	7.32 x 2.44	7.5 x 2.5	Anti-hooligan	2.4mm polyethylene 50mm mesh	0.9 - 2.9	2040
Senior Goal	7.32 x 2.44	7.5 x 2.5	Straight-runback	3mm polyethylene 120mm mesh	0 - 2.9	2019
Senior Goal	7.32 x 2.44	7.5 x 2.5	Box shaped	4mm polyethylene 120mm mesh	1.5 - 1.5	21351
Senior Goal	7.32 x 2.44	7.5 x 2.5	Box shaped	3mm polyethylene 120mm mesh	1.5 - 1.5	21331

### Senior Goal - Elliptical Aluminium Freestanding Goal (page 105)

Senior Goal	7.32 x 2.44	7.5 x 2.5	World Cup	4mm polyethylene 120mm mesh	0.9 - 2.5	2000A
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### 7-a-Side Goals - 80mm Aluminium Goal and Heavyweight Steel Goal

7-a-Side	4.88 x 1.83	4.9 x 1.9	-	3mm polyethylene 120mm mesh	0.61 - 1.6	20991
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### Mini Soccer Goals - 80mm Aluminium Goal, Championship Aluminium Goal and Heavyweight Steel Goal

Mini Soccer	3.66 x 1.83	3.7 x 1.9	-	3mm polyethylene 120mm mesh	0.61 - 1.6	20481
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### 5-a-Side Goals - 80mm Aluminium Goal and Heavyweight Steel Goal

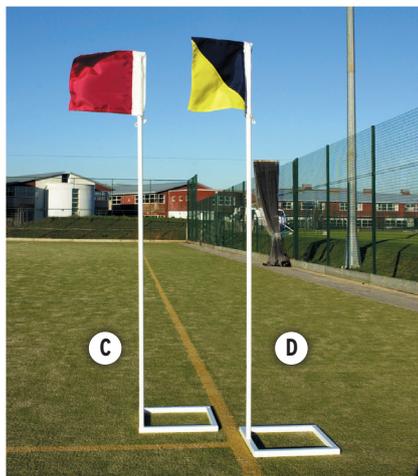
5-a-Side	4.88 x 1.22	4.9 x 1.3	-	3mm polyethylene 120mm mesh	0.46 - 1.3	21601
5-a-Side	3.66 x 1.22	3.7 x 1.3	-	3mm polyethylene 120mm mesh	0.46 - 1.3	21611
5-a-Side	2.44 x 1.22	2.5 x 1.3	-	3mm polyethylene 120mm mesh	0.46 - 1.3	21612



**A**



**B**



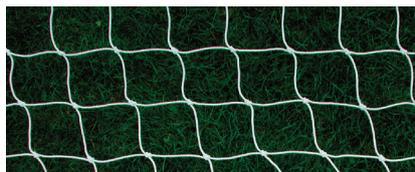
**C**

**D**



**E**

**H**



**F**

## Football Sundries

**A Single Colour Corner Flags** 2210  
(Each)  
30cm square. Red, yellow, green, black, blue, etc.

**B Two Colour Corner Flags** 2211  
(Each)  
30cm square. Combination of red, yellow, green, black, blue, etc. halved diagonally

**C Corner Base** 2201-BC  
(Each)  
Heavy square steel corner bases, powdercoated white

**D Flexible Corner Pole** 2201  
(Each)  
White UPVC pole with reinforced point, 1.8m length overall

**E Sprung Corner Pole** 2202  
(Each)  
Yellow UPVC pole complete with socket (Not illustrated)

**F Line Marking Twine** OPXXX-24T  
(1kg Spool)  
350m spool of 2.5mm orange twine

**G Club Team Shelters**  
75mm x 50mm aluminium, Makrolon windows, single bench. 1.9m high at front x 0.9m deep

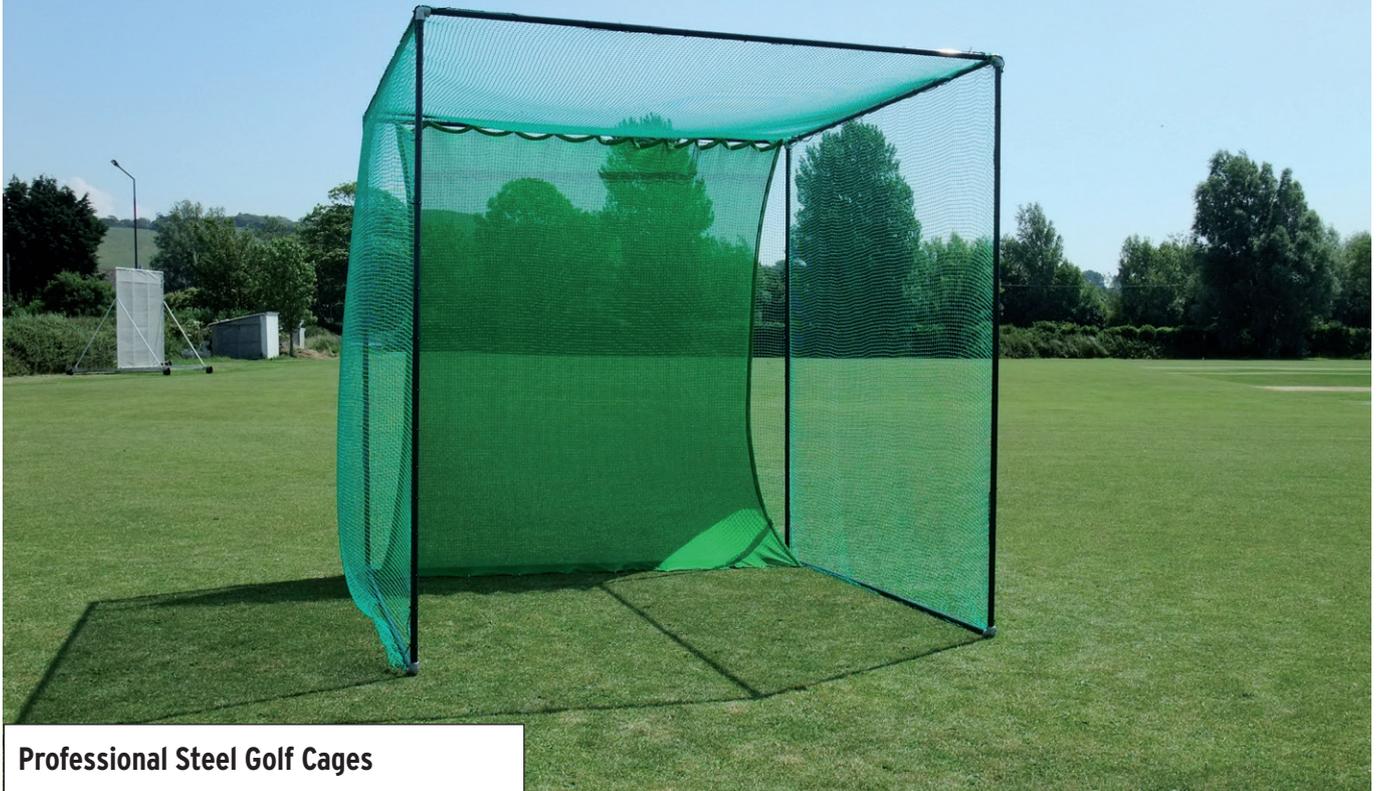
<b>2.5m long</b> seats 5-6 people	<b>TSC6</b>
<b>4m long</b> seats 7-8 people	<b>TSC8</b>

**Wheels -** TSW2  
will fit all above team shelters

**H Black Football Surround Netting** 2250  
(Square Metre)  
120mm mesh, 2.5mm twine

**I White Football Surround Netting** 2252  
(Square Metre)  
120mm mesh, 2.5mm twine

# Golf



## Professional Steel Golf Cages

- Made 34mm OD steel
- Powdercoated green or galvanised
- Kee-Klump jointing system
- Complete with 22mm green golf netting, curtain net and ties

**Freestanding Single Bay** 3m x 3m x 3m **F/SB/CAGE**  
Comes complete with a 34mm OD steel bottom frame

**Socketed Single Bay** 3m x 3m x 3m **S/SB/CAGE**  
Comes complete with steel sockets

**Freestanding Double Bay** 3m x 3m x 6m **F/DB/CAGE**  
Comes complete with a 34mm OD steel bottom frame

**Socketed Double Bay** 3m x 3m x 6m **S/DB/CAGE**  
Comes complete with steel sockets



# Hockey



## Edwards Self Weighted Hockey Goal

Edwards self weighted hockey goals require no additional anchorage, optimizing mobility. They are designed for use on synthetic or grass pitches and conform to BS EN 750.

- Regulation size 3.66m x 2.13m
- Made from 76mm x 50mm rectangular hollow section aluminium
- Powdercoated white
- 450mm high green backboards made from 25mm thick UV stabilised polyurethane with aluminium trim
- Steel counterbalance backbars with puncture proof micro-cellular wheels
- Complete with stainless steel net lacing bars and 38mm OD aluminium net supports

**A Self Weighted Hockey Goal** **2857/S**  
3.66m x 2.13m

## Freestanding Aluminium Hockey Goals

Edwards aluminium hockey goals are built to a high specification for use on synthetic or grass pitches. These goals are easy to assemble, low maintenance and conform to BS EN 750 when securely anchored.

- Regulation size 3.66m x 2.13m
- Made from 76mm x 50mm rectangular hollow section aluminium
- Powdercoated white
- 450mm high green backboards made from 25mm thick UV stabilised polyurethane with aluminium trim
- Complete with stainless steel net lacing bars and 38mm OD aluminium net supports

**B Freestanding Aluminium Hockey Goals** **2857/S**  
3.66m x 2.13m



# Rugby

## Steel Rugby Posts

- Rugby posts made from steel
- Powdercoated white
- Complete with steel sockets with plastic capped lids

### **A Socketed Senior Steel** 11m (36') High **2802**

Top upright 63.5mm OD x 6m long.  
Bottom upright 70mm OD x 5.9m long.  
Crossbar 60mm OD x 5.75m long.  
Complete with 76mm OD sockets 90cm deep.

### **Socketed Junior Steel** 7.32m (24') High **2800**

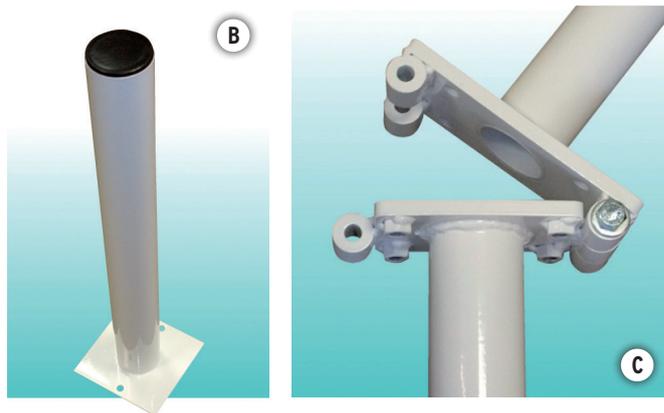
Upright 63mm OD x 7.32m long.  
Crossbar 60mm OD x 5.75m long.  
Complete with 70mm OD sockets 60cm deep.

### **B Hinged Senior Steel** 11m (36') High **2802/H**

Top upright 63.5mm OD x 6m long.  
Bottom upright 70mm OD x 5.9m long.  
Crossbar 60mm OD x 5.75m long.  
Complete with 76mm OD sockets 90cm deep.  
Complete with hinged adapters.

### **C Hinged Junior Steel** 7.32m (24') High **2800/H**

Upright 63mm OD x 7.32m long.  
Crossbar 60mm OD x 5.75m long.  
Complete with 70mm OD sockets 60cm deep.  
Complete with hinged adapters.



# Tennis

## Round Steel Tennis Posts

- Made from 76mm OD steel
- Powdercoated green
- 83mm OD steel sockets 36cm deep
- Complete with net lacing bars, plastic socket caps, heavy duty brass winder and pulley wheel

**A Socketed Round Tennis Post Set** 5190

### Spares

**Posts Only (set)** 5190/P

**Sockets (set of 2)** 5190/SS

**Plastic Sockets Caps (set of 2)** PLU-800

**B Heavy Duty Brass Winder (each)** CLA-WDR

**C Net Lacing Bars (set of 2)** LACE-BAR

## Square Steel Tennis Posts

- Made from 76mm box section steel
- Powdercoated green
- 83mm box section steel sockets 36cm deep
- Complete with net lacing bars, plastic socket caps, heavy duty brass winder and pulley wheel
- As used at the US Open

**D Socketed Square Tennis Post Set** 5198

### Spares

**Posts Only (set)** 5198/P

**Sockets (set of 2)** 5198/SS

**Plastic Sockets Caps (set of 2)** PLU-900-900

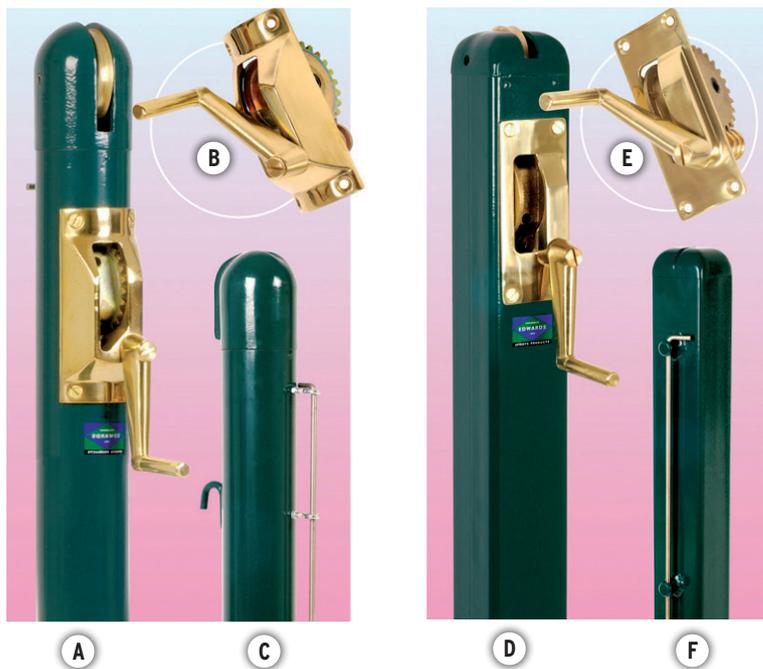
**E Heavy Duty Brass Winder (each)** WIM-WDR

**F Net Lacing Bars (set of 2)** LACE-BAR

### Nets

Vinyl coated fabric headband

**2.5mm Matchplay** 5021



# Outdoor Furniture



**1. Bristol**

The Bristol is a medium weight seat featuring an attractive undulating top back rail.

Bristol 5ft seat (150cm)

**2. Harrow**

The Harrow is ideal for use on golf courses, municipal gardens, parks and village greens as well as the larger domestic garden.

Harrow 5ft seat (150cm)

**3. Eton tree seat**

With solid teak construction. This seat is the perfect surround for a favourite tree to make a real statement in parks and gardens.

Eton tree seat 7ft 8" (230cm)

**4. Plaques**

Available for all styles of furniture.

