

# CropCare Product Guide

Cropcare is a leading supplier to the fine turf and sports field industry.

**CropCare**  
[www.cropcare.ie](http://www.cropcare.ie)



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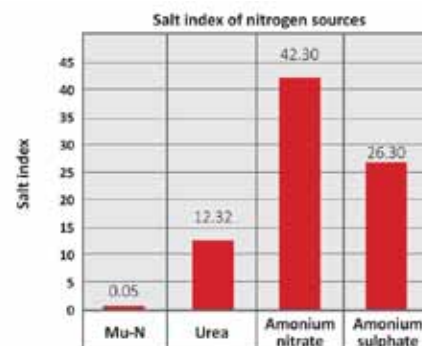
# FINE TURF LIQUID FERTILISERS

## Slow Release

<b>Protec Plus</b>	28 : 0 : 0 10 & 200 litre	Liquid slow release nitrogen fertiliser containing 59% slow release nitrogen. Very low scorch risk.  Application rate: 10-60 litre/ha
<b>Protec Plus</b>	15 : 0 : 12 10 & 200 litre	Slow release liquid fertiliser providing a balanced supply of nitrogen and potassium over the summer months. Very low scorch risk. Contains 46% slow release nitrogen.  Application rate: 10-60 litre/ha
<b>Protec Plus</b>	16 : 4 : 8 10 & 200 litre	Slow release liquid fertiliser providing a balanced supply of nitrogen, phosphorus and potassium over the summer months. Contains 4 different types of nitrogen to provide consistent nutrient release. Including 28% slow release nitrogen.  Application rate: 10-60 litre/ha
<b>Xtend Liquid Hi-N</b>	34 : 0 : 0 200 & 1000 litre	A cost effective slow release nitrogen fertiliser. 50% stabilized nitrogen, 50% ammonium and nitrate nitrogen. Tank mixable with selective herbicides for a weed and feed on outfield areas.  Application rate: 20-60 litre/ha

### PROTEC® PLUS ■ KEY POINTS

- Slow release liquid fertilisers
- Low salt, methylene-urea based formulations
- Excellent turf safety
- Ideal for use during hotter, summer conditions
- Suitable for spoon feeding, foliar and higher rate liquid applications



## Conventional

<b>Protec</b>	10 : 0 : 10 10 & 200 litre	A cost effective nitrogen potassium fertiliser with 28% nitrate nitrogen derived from potassium nitrate for excellent low temperature response.  Application rate: 10-100 litre/ha
<b>Protec</b>	0 : 0 : 25 10 & 200 litre	A high potassium liquid feed used to harden and strengthen turf. Ideal for tank mixing.  Application rate: 10-40 litre/ha
<b>Protec</b>	6 : 0 : 12 10 & 200 litre	50% of the nitrogen is derived from ammonium and nitrate nitrogen for efficient winter response.  Sulphur free formula is ideal where existing soil levels are high.  Application rate: 10-100 litre/ha
<b>Elevate Fe</b>	20, 200, 750 & 1000 litre	Non-staining, complex iron liquid for use on all close and coarse mown turf.  Application rate: 20-40 litre/ha

### PROTEC® ■ KEY POINTS

- Modular range of analyses to suit all application requirements
- Protec 6-0-12 and Protec 10-0-10 specifically formulated for low temperature application
- Tank-mixable with many other Headland liquids



### ELEVATE Fe® ■ KEY POINTS

- Non-staining complexed iron formulation
- Clean, ready to use liquid
- No blackening or wheel marks
- Mixes easily with Clipless NT PGR and liquid fertilisers
- Pack sizes: 200/700/1,000L





## FINE TURF SOLUBLE FERTILISERS

Headland water soluble fertilisers are a blend of ingredients including urea, ammonium sulphate, mono-ammonium phosphate, magnesium and chelated micronutrients designed for spray application. Also contain a buffering agent to reduce the spray tank pH, aiding tank-mix compatibility with other Headland products. Can be used either as the sole nutrient source or tank mixed to give a variety of nutrient input dependent on the requirements of turf.

<b>XTEND Soluble</b>	46 : 0 : 0 20kg	Slow release N source. Micro-prilled formulation for rapid solubility. Low application rates from 20kg per hectare. <b>Application rate: Spray 20-40kg/ha</b>
<b>Solufeed Hi-N</b>	28 : 7 : 14 + MgO + Te 20kg	Spring and summer Bentgrass soluble fertiliser. Urea, ammonium and nitrate nitrogen for good low and high temperature release. Fully chelated micronutrient package. <b>Application rate: 20-60kg/ha</b>
<b>Solufeed Hi-P</b>	13 : 40 : 13 + Te 20kg	High phosphate fertiliser, ideal for spoonfeeding phosphorus on high pH rootzones. Also use when overseeding. Ammonium, nitrate and urea nitrogen for optimum uptake. Fully chelated micronutrient package. <b>Application rate: 20-60kg/ha</b>
<b>Solufeed NPK</b>	14 : 5 : 28 + MgO + Te 20kg	This balanced NPK formulation was developed specifically with the needs of superfine bent grasses in mind. Ammonium, nitrate and urea nitrogen for optimum uptake. Fully chelated micronutrient package. <b>Application rate: 20-60kg/ha</b>
<b>Solufeed Hi-K</b>	13 : 0 : 45 20kg	High potassium analysis with Nitrate nitrogen for good low temperature release. Sulphur-free formulation which is ideally suited for use in anaerobic rootzone situations. Use all year round. Excellent solubility. <b>Application rate: 20-60kg/ha</b>
<b>Solufeed NK</b>	15 : 0 : 25 + MgO 20kg	High potassium analysis utilising K-Leaf potassium sulphate and potassium nitrate. Ammonium, nitrate and urea nitrogen for optimum uptake. Acidifying formulation. Excellent solubility. <b>Application rate: 20-60kg/ha</b>
<b>Sulphate of Ammonia</b>	21 : 0 : 0 25kg	Very soluble nitrogen source. Ammonium nitrogen for uptake at cooler times of the year. Acidifying formulation. <b>Application rate: 10-50kg/ha</b>



### How K-Leaf™ works in Solufeed® 15-0-25

K-Leaf is a fine milled, readily soluble potassium sulphate containing 52% K<sub>2</sub>O and 18% sulphur, specially designed for foliar application. The fine particle formulation ensures rapid solubility compared to other forms of potassium sulphate, with virtually no chloride residue. In addition, K-Leaf exerts an acidifying effect on the spray tank and leaf pH.

**TIP** - Always use a coarse mesh in-line filter when mixing water soluble fertilisers and always add the water soluble fertiliser to the tank first in the mix sequence to give it maximum time to dissolve.



## OUTFIELD LIQUID FERTILISERS

For use on golf courses, sports pitches, race courses and general amenity

<b>Xtend Liquid Hi-N</b>	34 : 0 : 0  200 & 1000 litre	A cost effective slow release nitrogen fertiliser. 50% stabilized nitrogen, 50% ammonium and nitrate nitrogen. Tank mixable with selective herbicides for a weed and feed on outfield areas.  Application rate: 20-60 litre/ha
<b>Protec Plus</b>	16 : 4 : 8  10 & 200 litre	Slow release liquid fertiliser providing a balanced supply of nitrogen, phosphorus and potassium over the summer months. Contains 4 different types of nitrogen to provide consistent nutrient release. Contains slow release nitrogen.  Application rate: 10-60 litre/ha
<b>Protec</b>	10 : 0 : 10  10 & 200 litre	A cost effective nitrogen potassium fertiliser with 28% nitrate nitrogen derived from potassium nitrate for excellent low temperature response.  Application rate: 10-100 litre/ha
<b>Elevate Fe</b>	20, 200, 750 & 1000 litre	Non- staining, complex iron liquid for use on all close and coarse mown turf.  Application rate: 20-40 litre/ha

## OUTFIELD SOLUBLE FERTILISERS

<b>Solufeed Hi-K</b>	13 : 0 : 45  20kg	High potassium analysis with Nitrate nitrogen for good low temperature release. Sulphur-free formulation which is ideally suited for use in anaerobic rootzone situations. Use all year round. Excellent solubility.  Application rate: 20-60kg/ha
<b>Sulphate of Ammonia</b>	21 : 0 : 0  25kg	Very soluble nitrogen source. Ammonium nitrogen for uptake at cooler times of the year. Acidifying formulation.  Application rate: 10-50kg/ha
<b>Sulphate of Potash</b>	0 : 0 : 50  25kg	A straight source of potassium and sulphur. Soluble.
<b>Magnesium Sulphate</b>	16% MgO  25kg	Magnesium Sulphate (Epsom Salts) in crystal form for soluble application.
<b>Headland Soluble Iron</b>	20% Fe  25 kg	A highly soluble Iron for use a turf hardener and colour enhancer.  Application rate: 5-20 Kg/Ha



# ENHANCED PLANT HEALTH PRODUCTS



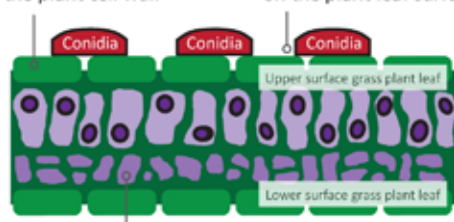
Headland Amenity have been pioneering research work since 2007, carrying out independent trials at the S.T.R.I. using a combination of products to minimise *Microdochium nivale*. Their strategy featuring the 20-20-30 tankmix of Turfite® Elite, Liquid Turf Hardener and Seamac Proturf Fe has been continuously refined and improved with the recent addition of Mantle®, enhancing efficacy.

## Using the 20-20-30 tankmix

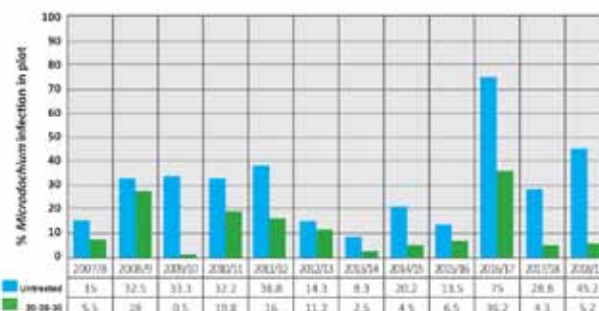
The objective of an effective IPM program against *Microdochium nivale* is to prevent a population establishing during the autumn/winter. Research and end-user feedback has shown once a population is established it is extremely difficult to control and tends to go through periods of inactivity and reactivity leading to severe scarring. Sometimes this scarring isn't grown out till the following spring."

Liquid Turf Hardener works to strengthen the plant cell wall

Seamac Proturf and Mantle work on the plant leaf surface



Turfite® Elite with salicylic acid promotes enhanced rooting and stimulates the plants natural defence mechanism



Note – In 2017/18 & 2018/19 the 20-20-30 tankmix was supplemented by 20kg per ha of Mantle and applied on a 21-day basis through October extending to 28 days thereafter.

<b>Liquid Turf Hardener</b>	10 litre	Contains Calcium, Magnesium and Nitrogen to strengthen turf and increase plants ability to withstand stress and improve disease resistance. Application rate: 20-40 litre/ha
<b>Seamac Proturf</b>	10 & 200 litre	Liquid iron with micronutrients and seaweed extract. Application rate: 20-35 litre/ha
<b>Turfite Elite</b>	17:20:13 10 litre	A potassium phosphite solution containing salicylic acid, a proven plant defence elicitor. Designed to stimulate root development and a stronger grass plant making it less susceptible to stress-related disease. To speed uptake into the grass plant, Turfite® Elite utilises a nano uptake enhancer. Turfite® Elite both stimulates the plants natural defence mechanism (SAR) through the salicylic acid content and encourages better growth characteristics. Application rate: 20-40 litre/ha
<b>Mantle</b>	10kg	A water-soluble micronutrient package containing manganese, zinc, magnesium and the Harpin Plant Elicitor. Mantle creates an environment on the plant leaf surface that discourages pathogen growth and stimulates physiological processes conducive to better plant growth. Application rate: 10-20kg/ha.

## HIGH DISEASE PRESSURE TANK-MIX - *Microdochium nivale*

With more warmth and humidity carrying later on into the autumn / winter, disease pressure from *Microdochium nivale* is a growing threat to fine turf and coarse turf areas. This tankmix is backed by 11 years of independent research in terms of suppressing disease activity using a combination of protectants, hardeners and elicitors.

1 Liquid Turf Hardener 20L/ha + 2 Turfite® Elite 20L/ha + 3 Seamac® Proturf 30L/ha in 400L/ha Spray volume

Mantle® can be added to this tank-mix at 10 to 20kg per hectare to maximise suppression...



# ENHANCED PLANT HEALTH PRODUCTS



<b>PPT114</b>	10kg	Water-soluble micronutrient formulation with Harpin Plant Elicitor. Stimulates plants natural defence mechanisms. Utilises two types of iron for improved winter colour. Research developed ratio of manganese, zinc and copper. Tank-mixable with fungicides  <b>Application rate:</b> Normal 10kg/ha Heavy 20kg/ha
<b>Temag Elite</b>	Mg: Mn: B: Zn: Mb: Cu: Fe  6kg	Water soluble chelated micronutrient mix containing the plant elicitor Harpin. Ideal tank mix partner to liquid fertiliser regime.  <b>Application rate:</b> 6-12kg/ha
<b>Turfcomplex</b>	10 litre	A new generation liquid biostimulant containing Seaweed extract, activated Humic and Fulvic acids, Mg, chelated Iron and manganese, and a complete micronutrient package. Apply monthly during the growing season.  <b>Application rate:</b> 20-40 litre/ha
<b>Ascoflex Plus</b>	10 & 100 litre	Organic seaweed extract with 30% seaweed content plus Amino acids. Formulated with proactin express technology.  <b>Application rate:</b> 10-20 litre/ha
<b>Ascoflex 15</b>	100 litre	Pure seaweed extract. Suitable for application with liquid fertiliser & wetting agents.  <b>Application rate:</b> 5 litre/ha
<b>Alga-Boost</b>	10 & 200 litre	A unique organic cold process seaweed liquid extract. Produced from fresh hand harvested ascophyllum, the seaweed is collected from the unpolluted bays along the coast line of North West Ireland. Alga-Boost is high in micro nutrients, plant hormones and alginate, all of which are found naturally in Ascophyllum Nodosum.  <b>Application rate:</b> 5-20 litre/ha

## Ascoflex® Plus - HIGH BIOACTIVE CONTENT SEAWEED + PROACTINEX

FOR USE IN ALL FINE AND COARSE TURF SITUATIONS  
INCLUDING GOLF AND BOWLING GREENS, TEES, FAIRWAYS,  
SPORTS PITCHES AND RACECOURSES



### ASCOFLEX® PLUS ■ KEY POINTS

- Optimum extraction of bioactive compounds
- Batch tested to ensure consistency of product quality
- Proactin plant-based amino acid package
- 100% plant derived formulation utilising *Ascophyllum nodosum* (Knotted Wrack)
- Improves tolerance and recovery from plant stress



## ENHANCED PLANT HEALTH PRODUCTS

<b>Attain</b>	10 litre	Attain, powered by AquaVita™ Technology is a highly refined proprietary bio-nutritional formulation containing both compost and kelp solution bio-extracts. Specifically designed for professional turf managers, Attain is the future of organics, derived from natural sources. This unique bio-extraction process promotes optimal plant and soil health for all turf types. Maximises the benefit of existing nutritional elements and supports consistent and sustainable root growth.  Application rate: 10 litre/ha
<b>Amino-sorb-F</b>	5 litre	Foliar absorbed amino acid supplement for stress relief and helps to maintain overall quality.  Application rate: 3-5 litre/ha
<b>Amino-sorb-R</b>	5 litre	Root absorbed amino acid supplement to enhance root growth, seed germination and to provide stress relief.  Application rate: 10-15 litre/ha
<b>Maxstim Sport</b>	10 litre	Plant biostimulant containing a complex and precise blend of naturally occurring primary and secondary plant metabolites which stimulate germination, root development, plant vigour and health. Roots develop more mass and depth.  Application rate: 20 litre/ha

## PLANT HEALTH-DEW CONTROL

<b>DewCure</b>	10 litre	A long-lasting, dew control product, specifically formulated to reduce the accumulation of surface moisture on turf, including dew, guttation fluid and light frost. The activity of damaging foliar diseases like Fusarium Patch ( <i>Microdochium nivale</i> ) and Dollar Spot ( <i>Clarireedia homeocarpa</i> ) is positively linked with conditions conducive to high leaf moisture levels and therefore by reducing this level, disease activity is suppressed.  Application rate: 6 litre in 400 litre water / ha NB:(Always maintain this 1.5% dilution rate)
<b>DewSmart</b>	10 litre	H2Pro DewSmart is a dew dispersant product for turf grass areas. It is designed to prevent or reduce the formation of dew on the grass leaf.  Application rate: 10 litre/ha in 300 - 400 litres water

### DEWCURE™ KEY POINTS

- Reduces leaf moisture, suppressing dew and guttation fluid formation
- Enhanced longevity over conventional dew suppressants
- Faster drying times following rain or irrigation
- Drier surfaces can result in less disease
- Quicker recovery from frost
- Reduced labour and drier cutting
- Pack size: 10 litres





## FERTILISERS FINE TURF

For use in all fine turf situations including golf and bowling greens

### Spring and Summer



#### Greentec - fine turf range

<b>Greentec</b>	14 : 2 : 6 + 2MgO + Fe 25kg	Conventional release, mini granular fertiliser for fine turf. Features a mix of nitrogen sources to ensure results under a wide range of conditions.  Application rate: 20-35g/m <sup>2</sup>
<b>Greentec</b>	13 : 3 : 13 + MgO 25kg	Balanced NK formulation that supplies a maintenance input of phosphorus and magnesium. Contains 28.5% methylene urea as a slow release N source. 100% of Potassium in organic slow release form.  Application rate: 20-35g/m <sup>2</sup>
<b>Moss Killer Pro</b>	4 : 0 : 4 + 9Fe 25kg	This low nitrogen, high iron fertiliser, will help control moss and harden the plant against disease. For use on sand and soil greens as an Autumn/Winter or a Spring starter fertiliser.  Application rate: 30-40g/m <sup>2</sup>
<b>Greentec</b>	6 : 5 : 18 + MgO + 4Fe 25kg	Contains ammonium and nitrate nitrogen for rapid response in cool temperatures. Also iron and magnesium for enhanced colour. Excellent for use as a spring starter.  Application rate: 25-35g/m <sup>2</sup>

#### Controlled Release

<b>Multigreen Mini</b>	25 : 3 : 9 25kg	A 5-6 month controlled release NPK product for use between March & August. Contains some fast start nitrogen for immediate response. For heights of cut >=6mm  Application rate: 25-40g/m <sup>2</sup>
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#### C-Complex Organic mineral fertiliser

##### C Complex Range:

A mini granular seaweed, humic acid and micro nutrient soil amendment on a composted organic non-poultry manure base.

7 : 0 : 7 25kg	Contains 5 nitrogen sources for gentle release in high temperatures. 6.7% humic acid, 100% of potassium in organic slow release form.  Application rate: 25-40g/m <sup>2</sup>
4 : 3 : 4 25kg	Ammonium nitrogen for low temperature release. 9% humic acid, 100% of potassium in organic slow release form.  Application rate: 35-50g/m <sup>2</sup>
5 : 2 : 10 25kg	Contains 4 nitrogen sources for both rapid response and longevity. 7.2% humic acid, 50% of potassium in organic slow release form.  Application rate: 25-40g/m <sup>2</sup>

# FERTILISERS FINE TURF

For use in all fine turf situations including golf and bowling greens

## Autumn and Winter



### Greentec - fine turf range

<b>Greentec</b>	6 : 5 : 18 +MgO+4Fe  25kg	Ammonium and nitrate nitrogen for rapid response in cool temperatures. Iron and magnesium for enhanced colour. Supplies all primary and secondary nutrients – N, P, K, Ca, Mg and S.  Application rate: 25-35g/m <sup>2</sup>
<b>Greentec Moss Killer Pro</b>	4 : 0 : 4 + 9Fe  25kg	This low nitrogen, high iron fertiliser, will help control moss and harden the plant against disease. For use on sand and soil greens as an Autumn / Winter, or a Spring starter fertiliser.  Application rate: 30-40g/m <sup>2</sup>

### Controlled Release

<b>Multigreen Mini</b>	12 : 0 : 43  25kg	A 5-6 month 100% controlled release N & K product for Winter use, (Sept – March) Creates a harder leaf and lowers disease susceptibility.  Application rate: 25-40g/m <sup>2</sup>
<b>Multigreen Fine</b>	12 : 2 : 32  25kg	A 5-6 month controlled release NPK product for use March – December. Contains some fast start nitrogen for immediate response.  Application rate: 25-35g/m <sup>2</sup>

### Organic Based

#### C Complex Range:

A mini granular seaweed, humic acid and micro nutrient soil amendment on a composted organic non-poultry manure base.

4 : 3 : 4  25kg	Ammonium nitrogen for low temperature release. 9% humic acid, 100% of potassium in organic slow release form.  Application rate: 35-50g/m <sup>2</sup>
5 : 2 : 10  25kg	Contains 4 nitrogen sources for both rapid response and longevity. 7.2% humic acid, 50% of potassium in organic slow release form.  Application rate: 25-40g/m <sup>2</sup>
Seaweed Meal  25kg	Seaweed meal will improve soil structure and help increase root development and nutrient uptake.  Application rate: 50-100g/m <sup>2</sup>



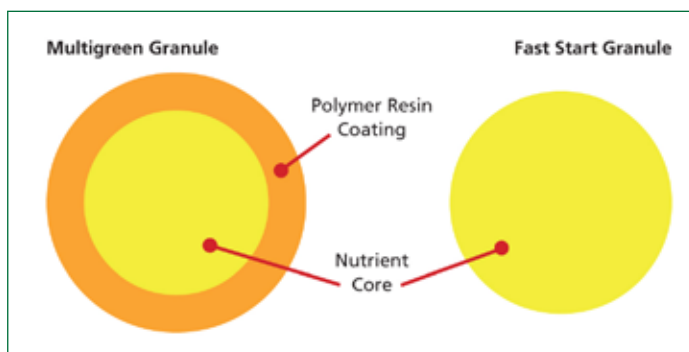
# OUTFIELD FERTILISERS

For use on golf courses, sports pitches, race courses and general amenity turf

## Spring and Summer

### How Multigreen® works

Most Multigreen analyses contain an uncoated, 'fast start' portion, blended with a polymer-coated, controlled release prill. Following application, the coated Multigreen prill takes up moisture through pores in the polymer-resin coating.



This 'priming' process takes 7 to 10 days with the initial release period covered by the immediately available, 'fast start' portion of potassium nitrate and / or ammonium sulphate, to provide quick turf response at low soil temperatures. Once the soil temperature reaches 6°C, release commences from the polymer

coated portion of the product in line with grass growth. The longevity of release is determined by the thickness of the polymer resin coat around the prill, the thicker the coating, the longer the product lasts. Multigreen analyses are available in 5 to 6 and 6 to 7 month longevities.

### Controlled Release

#### Multigreen Range:

Season long fertilisation from one application.  
Cool temperature 'fast start' portion for quick response at low temperatures.  
Temperature-only release mechanism.  
Consistent release pattern means consistent growth with minimal flushes.  
Environmentally friendly, leach resistant technology.

28 : 3 : 15 +2MgO 25kg	A well balanced 5-6 month fertiliser for use on all outfield areas cut above 10mm. Application rate: 25-35g/m <sup>2</sup>
28 : 0 : 0 +3MgO 25kg	5-6 month controlled release nitrogen fertiliser, containing sulphur, for use on all outfield areas cut above 10mm. Application rate: 25-35g/m <sup>2</sup>
20 : 0 : 32 25kg	6-7 month controlled release fertiliser featuring both nitrogen & potassium in controlled release form. For use on all outfield areas cut above 10mm. Application rate: 30-50g/m <sup>2</sup>
<b>Multigreen Fine</b> 25 : 3 : 9 +2MgO 25kg	A 5-6 month fine granule for close mown areas above 6mm such as tees, surrounds and approaches. Widely used on links golf courses. Application rate: 25-35g/m <sup>2</sup>





## Controlled Release

### H-Cote mini

Minigranular controlled release fertiliser.

3-4 month product release period.

Gentle, sustained release with minimal risk of flushing or excessive growth.

Minigranular SGN150 formulation (1.5mm) allows low application rates through pedestrian and tractor mounted spreaders down to 15g/ m<sup>2</sup>.

Application rate: 15-35g/m<sup>2</sup>

25kg Bag

10 : 10 : 10	Suitable for trees & shrubs as well as preseeding fertiliser.
22 : 3 : 8 + 0.7Fe + 0.8MgO	High level (91%) of controlled release nitrogen.
15 : 5 : 12 + 1Fe + 1MgO	High level (81%) of controlled release nitrogen.
10 : 5 : 14 + 1.2Fe + 1.2MgO	High level (70%) of controlled release nitrogen.

### H-COTE™ MINI ■ KEY POINTS

- Minigranular controlled release fertiliser
- 3-4 month product release period
- High % of controlled release nitrogen in all formulations
- Minigranular SGN150 formulation (1.5mm) allows low application rates through pedestrian and tractor mounted spreaders down to 15g per m<sup>2</sup>
- Complete range for spring, summer and autumn/winter



## Slow Release

<b>Xtend Fine</b>	46 : 0 : 0  20kg / 1000kg	Slow release N source for tees and fairways with cutting height above 10mm, lasting for 3 months. Can be spread as a granular or applied as a liquid spray.  Application rate: Granular 10-20g/m <sup>2</sup> Spray 20-40kg/ha
<b>Xtend</b>	24 : 4 : 4  25kg	A cost effective Spring / Summer analysis lasting for 2-3 months, for use on all types of outfield turf.  Application rate: 25-35g/m <sup>2</sup>
<b>Xtend Fine</b>	26 : 3 : 3  25kg	Fine granule, slow release fertiliser. 88% slow release nitrogen giving 2-3 months longevity. Can be applied at rates as low as 15g/m <sup>2</sup> at heights of cut 6mm and over.  Application rate: 15-25g/m <sup>2</sup>
<b>Xtend</b>	15 : 2 : 20 +MgO  25kg	Ideal for use as Spring starter. Also suitable for establishment of sportsturf. 2-3 months longevity.  Application rate: 25-35g/m <sup>2</sup>
<b>C-Complex Sport ORGANIC BASED</b>	14 : 2 : 5 +MgO + 2CaO  25kg	A mineral-organic outfield fertiliser with a homogenous granule. 50% Organic with composted cow manure, humic acid, cold processed seaweed meal & slow release organic potassium.  Application Rate: 25-40g/m <sup>2</sup>
<b>Novatec</b>	15 : 3 : 20  25kg	Homogenous, slow release fertiliser designed to provide a fast and sustained response, even at low temperatures.  Application rate: 20-35g/m <sup>2</sup>



# OUTFIELD FERTILISERS

## Slow Release

<b>Quickstart Maxi Plus</b>	22 : 5 : 5 + 3MgO + TE	Homogeneous slow release outfield fertilisers. 2-3 months longevity with good low temperature performance. Low salt index nitrogen formulation. Nutrisphere-N: dual action urease and nitrification inhibitor.
	25kg	Application rate: 25-35g/m <sup>2</sup>

### Greenfert Slow Release Fertilisers:

Lasts for up to 8-12 weeks, and contains Magnesium (Mg) and trace elements: Boron (B), Iron (Fe) Manganese (Mn) & Zinc (Zn). Suitable for application on coarse turf areas such as fairways, racecourses, sportsfields and general amenity areas maintained at cutting heights above 15mm. Containing both slow and quick release for immediate response and sustained release.

Application rate: 25-35g/m<sup>2</sup>

25kg Bag

28 : 6 : 10 + S + Mg + TE	The portion of quick release nitrogen is rapidly available even at low temperatures. Chloride free, the potassium source is sulphate of potash. Use on a hungry area that needs recovery. e.g. pitches.
22 : 8 : 12 + S + Mg + TE	The quick release nitrogen is readily available to the plant even at low temperatures. Chloride free, the potassium source is sulphate of potash. More gentle maintenance fertiliser. e.g. fairways.
17 : 9 : 15 + S + Mg + TE	Quick recovery particularly in early spring. Greater portion of quick release N.

### BLAUKORN® ■ KEY POINTS

- Quick release outfield fertiliser
- Homogeneous fertiliser for even response
- Low rates mean cost-effective application
- Rapidly available nitrogen works at low soil temperatures



### Blaukorn® 15-3-20+2MgO+TE Autumn and winter outfield fertiliser

Blaukorn 15-3-20 is a homogenous granule with no carrier and a highly water-soluble phosphorus content that breaks down rapidly in contact with moisture.

Blaukorn 15-3-20 contains ammonium and nitrate, the two most available nitrogen forms for fast response at low soil temperatures. Blaukorn 15-3-20 contains potassium sulphate, which has a much lower salt index and therefore scorch risk, than other forms of potassium, such as potassium chloride.

## Conventional

### Greenfert Conventional Fertilisers:

Compound NPK, large granule, quick release fertilisers for outfield use. The nitrogen is rapidly available even at low temperatures. Chloride free, the potassium source is sulphate of potash. Lasting for up to 6-8 weeks, they also contain Magnesium(Mg) and trace elements: Boron(B), Iron(Fe) Manganese(Mn) & Zinc(Zn). Use on coarse turf areas such as racecourses, sportsfields and general amenity areas.

Application rate: 25-35g/m<sup>2</sup>

25kg Bag

12 : 11 : 18 + S + Mg + TE	For use as a spring starter and pre-seeder. Homogenous granule.
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<b>Quickstart Easygreen</b>	12 : 12 : 17 + 2MgO + micronutrients	Quick release outfield fertiliser for coarse and close-mown turf. Homogeneous midi granule for maximum coverage. Low application rates down to 15g/m <sup>2</sup> . Ammonium and nitrate nitrogen for good low temperature response.
	25kg	Application rate: 15-25g/m <sup>2</sup>
<b>Blaukorn</b>	15 : 3 : 20 + 2MgO + micronutrients	Quick release outfield fertiliser. Homogeneous fertiliser for even response. Low rates mean cost-effective application. Rapidly available nitrogen works at low soil temperatures. Contains potassium sulphate and micronutrients.
	25kg	Application rate: 20-35g/m <sup>2</sup>

# OUTFIELD FERTILISERS

## Autumn and Winter

For use on golf courses, sports pitches, race courses and general amenity turf

### Controlled Release

<b>Multigreen</b>	20 : 0 : 32 25kg	A controlled release fertiliser where both Nitrogen and Potassium are released over 6-7 months. For use on all outfield areas mown at above 10mm as an autumn / winter feed.  Application rate: 30-50g/m <sup>2</sup>
<b>Multigreen</b>	15 : 0 : 22 +5MgO 25kg	A 5-6 month controlled release fertiliser for use on all areas mown at above 10mm.  Application rate: 25-35g/m <sup>2</sup>
<b>Multigreen</b>	12 : 2 : 32 25kg	A 5-6 month fine granule product for close mown areas above 6mm such as tees & surrounds.  Application rate: 25-35g/m <sup>2</sup>

### H-Cote mini:

Minigranular controlled release fertiliser.

3-4 month nitrogen release period.

Gentle, sustained release with minimal risk of flushing or excessive growth.

Minigranular SGN150 formulation (1.5mm) allows low application rates through pedestrian and tractor mounted spreaders down to 15g/ m<sup>2</sup>.

Application rate: 15-35g/m<sup>2</sup>

25kg Bag

15 : 5 : 12 + 1Fe + 1MgO	High level (81%) of controlled release nitrogen.
10 : 5 : 14 + 1.2Fe + 1.2MgO	High level (70%) of controlled release nitrogen.

### Slow Release

<b>Xtend</b>	15 : 2 : 20 +MgO 25kg	An ideal Autumn feed for sports pitches and established turf.  Application rate: 25-35g/m <sup>2</sup>
<b>Novatec</b>	15 : 3 : 20 +2MgO+ TE 25kg	Homogenous, slow release fertiliser designed to provide a fast and sustained response, even at low temperatures.  Application rate: 20-35g/m <sup>2</sup>

### Conventional

#### Greenfert Conventional Fertilisers:

Compound NPK, large granule, quick release fertilisers for outfield use. The nitrogen is rapidly available even at low temperatures.

Chloride free, the potassium source is sulphate of potash.

Lasting for up to 6-8 weeks, they also contains Magnesium(Mg) and trace elements: Boron(B), Iron(Fe) Manganese(Mn) & Zinc(Zn).

Use on coarse turf areas such as racecourses, sportsfields and general amenity areas.

Application rate: 25-35g/m<sup>2</sup>

25kg Bag

12 : 11 : 18 + S + Mg + TE	For use as a spring starter and preseeded. Homogenous granule.
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<b>Quickstart Easygreen</b>	12 : 12 : 17 + 2MgO + micronutrients 25kg	Quick release outfield fertiliser for coarse and close-mown turf. Homogeneous midi granule for maximum coverage. Low application rates down to 15g/m <sup>2</sup> . Ammonium and nitrate nitrogen for good low temperature response.  Application rate: 15-25g/m <sup>2</sup>
<b>Blaukorn</b>	15 : 3 : 20 + 2MgO + micronutrients 25kg	Quick release outfield fertiliser. Homogeneous fertiliser for uniform response. Low rates mean cost-effective application. Rapidly available nitrogen works at low soil temperatures. Contains potassium sulphate and micronutrients.  Application rate: 20-35g/m <sup>2</sup>





## SPECIALITY FERTILISERS

<b>H-Cote Mini Turf Starter</b>	10 : 10 : 10 25kg	An ideal preseeded or establishment fertiliser with unique combination of composted organic base, seaweed meal, humic acid, immediately available and slow release nitrogen, phosphorus and magnesium. Application rate: 30-40g/m <sup>2</sup>
<b>C Complex</b>	4 : 3 : 4 25kg	A mini granular seaweed, humic acid and micro nutrient soil amendment on a composted organic base. Application rate: 40-50g/m <sup>2</sup>
<b>Preseeder</b>	12 : 11 : 18 25kg	Fertiliser for use where re-seeding or re-turfing is required. Application rate: 35-50g/m <sup>2</sup>
<b>Temag Elite</b>	Mg: Mn: B: Zn: Mb: Cu: Fe 6kg	Water soluble chelated micronutrient mix containing the plant elicitor Harpin. Ideal tank mix partner to liquid fertiliser regime. Application rate: 6-12kg/ha
<b>Renovator Pro Weed Feed &amp; Moss Killer</b>	25kg	A triple action weed, feed and moss killer. Application rate: 35g/m <sup>2</sup>
<b>NVG</b>	25kg	Naturvigor is a fairway grade soil improver containing composted cow manure and humic acid in granule form. Application rate: 35-50g/m <sup>2</sup>
<b>Soil Care</b>		100% Organic Compost.
<b>Divot Care</b>	50:50 sand:compost	Organic compost mixed with sand.

### NATURVIGOR ■ KEY POINTS

- Fairway grade formulation
- 1-1-1 analysis with added iron and micronutrients
- Free-flowing granule, easy to apply, with rapid particle breakdown
- Humic acid content aids root development and germination
- Fully composted for maximum benefit to soil
- Improves soil nutrient retention and maximises fertiliser efficacy
- Ideal for use during renovation and overseeding



	Naturvigor
Field longevity	4 to 8 weeks
Granulation	SGN340
Additional product contents	18% Humic Acid
Application rate	35 to 50g/m <sup>2</sup>
Pack size	25kg
Bag coverage (per hectare)	14 to 20 bags

Usage Period	J	F	M	A	M	J	J	A	S	O	N
Naturvigor			●	●	●	●	●	●	●	●	●

## STRAIGHT FERTILISERS

<b>Sulphate of Iron</b>	20% Fe 25kg	An economical form of iron for moss control.
<b>Sulphate of Ammonia</b>	21 : 0 : 0 25kg	A fast acting nitrogen source.
<b>Sulphate of Potash</b>	0 : 0 : 50 25kg	A straight source of potassium and sulphur.

## STRAIGHT FERTILISERS

<b>Superphosphate Triple superphosphate</b>	0 : 16 : 0 25kg	A straight source of phosphorus. Also available as Triple superphosphate 0 : 46 : 0
<b>Seaweed Meal</b>	25kg	High quality greens grade seaweed meal.
<b>Sulphur</b>	800g/l 10litre	Liquid sulphur for use as a nutrient or pH adjustment. Application rate: 10 litre/ha as a nutrient. 70 – 140 litre/ha for pH adjustment
<b>Magnesium Sulphate</b>	25% MgO 25kg	Kieserite in granular form for soil application.
<b>Super Mg 80</b>	80% Mg 10 litre	Liquid formulation of magnesium. Application rate 5 - 10 litre/ha
<b>Headland Soluble Iron</b>	20% Fe 25kg	A highly soluble Iron for use a turf hardener and colour enhancer. Application rate: 5 - 20 kg/ha
<b>Greenfert Granular Iron</b>	12%Fe + 5%MgO 20kg	A magnesium iron fertiliser giving rapid visual greening up of the sward as well as turf hardening benefits. High rate of application will also cause moss to blacken. For use on lawns, tees and golf greens. Application rate: 35-50g / m <sup>2</sup>

### HEADLAND SOLUBLE IRON

#### ■ KEY POINTS

- High quality water-soluble iron contains 20% Fe
- Highly soluble formulation for easy mixing
- Application in low water volumes
- Cost effective tank-mix partner to liquid and water-soluble fertilisers



Headland Soluble Iron	
Application rate	8 to 20kg/ha
Water volume	300 to 600L/ha
Supplementary irrigation	Not required
Pack size	25kg

Usage Period	J	F	M	A	M	J	J	A	S	O	N	D
Headland Soluble Iron												

## TREE & SHRUB FERTILISERS

<b>H-Cote Mini</b>	10 : 10 : 10 25kg	A high quality organic based fertiliser with slow release nitrogen that can be applied to a wide range of trees and shrubs. Application rate: 25 - 50g/m <sup>2</sup>
<b>C Complex</b>	4:3:4 25kg	An organic based fertiliser that is very suitable for all types of plants and shrubs. Use as a soil conditioner and fertiliser. Application rate: 50g/m <sup>2</sup>
<b>Multicote</b>	25kg	12 -14 month controlled release fertilisers for trees and shrubs.
<b>Multicote Tree Tablets</b>	bucket	12 -14 month controlled release fertilisers for trees and shrubs in tablet form.
<b>Solufeed</b>	14:5:28+MgO+Micros 20kg	Well balanced soluble plant food for use on all types of shrubs, plants and bedding plants.
<b>Phostrogen</b>	14:10:27 4kg	Balanced garden fertiliser in soluble form.
<b>Rose Food</b>	7:5:12+Te 10kg	Premium rose fertiliser.

# FUNGICIDES



Microdochium



Red Thread



Dollar Spot



Anthracnose

## StressGard™ Technology Gives:

- Enhanced turf colour
- Increased shade tolerance
- Improved turf quality
- Increased drought tolerance



**StressGard™** Formulation Technology is a unique combination of active ingredients, inert ingredients and turf specific co-formulants (i.e. formulated to maximise uptake in grass at a low height of cut) which help turf products perform in unique turf disease stress conditions.

### Plant Health: Healthy plants are better equipped to combat disease and mitigate stress.

#### StressGard® is proven to improve plant physiology results:

- Plant cell strength
- Improved chlorophyll content
- Increased photosynthesis
- Increased root mass

### Consistency: Long lasting consistent improvement to turf quality.

#### StressGard® is proven to deliver a better, more consistent playing surface - even in unpredictable conditions.

- Drought tolerance and recovery
- Traffic tolerance and recovery
- Reducing shade issues

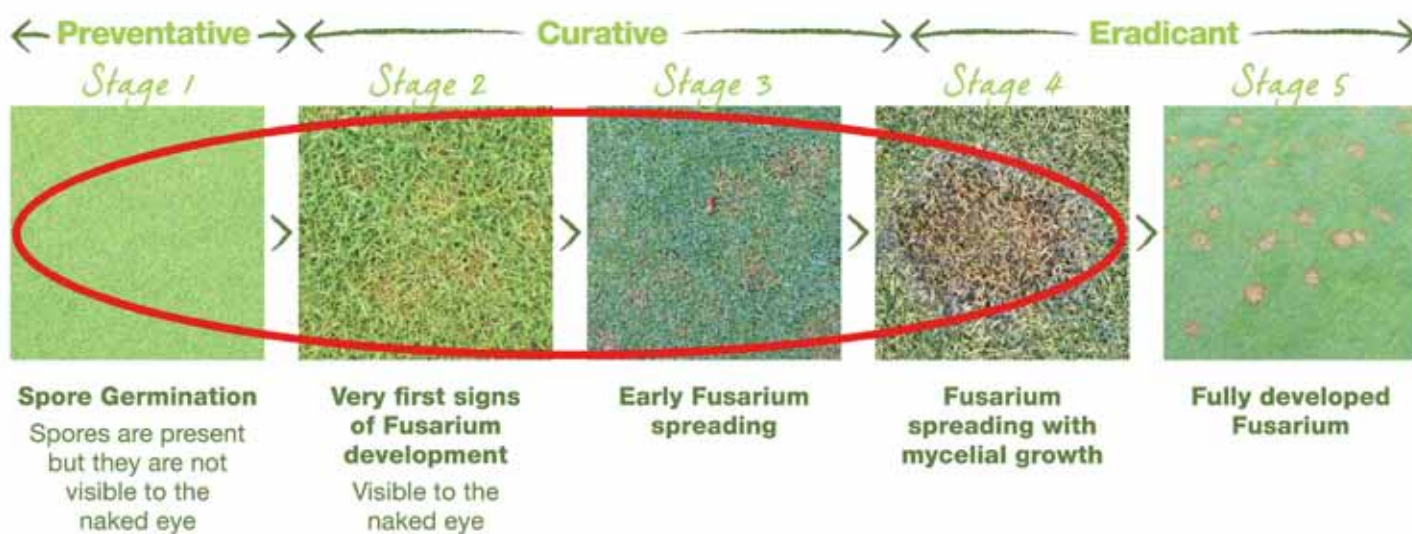
A **proprietary pigment** is optimised into the formulation to give turf a prolonged natural look after application. The result... long lasting consistent improvement to turf quality, colour, density and overall health.

<b>Signature® XTRA StressGard®</b>  (FRAC code P 07)	Fosetyl-Aluminium  5 kg	Fully systemic fungicide to treat turf disease including Microdochium Patch and Anthracnose. Preventative & early curative disease control. Contains StressGard formulation technology.  Application rate: 20 kg/ha
<b>Exteris® StressGard®</b>  (FRAC code 7 & 11)	Fluopyram & Trifloxystrobin.  5 litre	SDHI chemistry treats diseases including Microdochium Patch and Dollar Spot. Preventative disease control. Contains StressGard formulation technology.  Application rate: 10 litres/ha



<b>Medallion</b>  (FRAC code 12)	Fludioxonil  3 litre	Contact+ fungicide which provides a long -lasting protective shield against disease. Also targets pathogens in the thatch and soil surface. Rainfast in 1 hour. Apply Nov-March  Application rate: 3 litres/ha.
<b>Dedicate®</b>  (FRAC code 3 & 11)	Tebuconazole & Trifloxystrobin  250 ml	Preventative and early curative disease control. Diseases controlled include: Fusarium Patch, Red Thread, Dollar Spot and Leaf Spot. Reduction in Anthracnose and Rust. Contact and systemic turf fungicide. Dual action protects turf inside and out.  Application rate: 1 litre/ha.
<b>Instrata Elite</b>  (FRAC code 12 & 3)	Fludioxonil and Difenconazole  3 litre	A combination of curative and contact, plus systemic properties, for reliable turf protection outside and in the plant. Approved for Microdochium control, the complementary actives target different stages of disease life cycles for flexible application timing and reliable results.  Application rate: 3 litres/ha
<b>Heritage Maxx</b> (FRAC code 11)	Azoxystrobin  3 litre	Systemic and translaminar fungicide controls a range of major turf diseases.  Application rate: 2.5 litres/ha

## Disease Life Cycle



Photos provided courtesy of STRI

There are currently five fungicide groups available to greenkeepers in Ireland, and each active ingredient belongs to one of these.

It is essential that fungicide groups, and not just active ingredients are rotated to minimise resistance risk, as specified by the Fungicide and Resistance Action Committee (FRAC).

Fungicide group available to turf managers	Active ingredient (AI)	FRAC Code	Mode of action
<b>Phenylpyrrole</b>	Fludioxonil	12	Contact: inhibits spore germination
<b>Quinone Outside Inhibitor (QoI)</b>	Azoxystrobin, Pyraclostrobin, Trifloxystrobin	11	Acropetal penetrant Local penetrant Mesostemic
<b>Demethylation Inhibitors (DMI)</b>	Tebuconazole, Difenconazole	3	Acropetal penetrant
<b>Succinate DeHydrogenase Inhibitor (SDHI)</b>	Fluopyram	7	Acropetal penetrant
<b>Phosphonates</b>	Fosetyl-Aluminum	P07	Fully Systemic



## WETTING AGENTS

From sports fields and golf courses to highly managed landscapes, wetting agent products allow turfgrass professionals to conserve water and energy while producing high quality turfgrass. Our products ensure consistency in a variety of conditions and serve as a strong basis for sustainable turf management practices.

### Granular Wetting Agent



Aqueduct Flex contains a fast acting dual-action formula specifically designed to give turf care professionals superior performance with flexible options for dealing with stressful conditions, including localised dry spot.

Aqueduct Flex provides rapid recovery of stressed turf, with visible results in as little as 3 DAYS when applied at the treatment rate. Aqueduct Flex also provides up to 30-DAY PROTECTION against the development of localized dry spot when applied on a monthly basis. Whether you are dealing with existing problems or looking for month-long protection against them, Aqueduct Flex is designed to fit into your turf management program. Aqueduct Flex is safe to use on all turf varieties and areas, including golf course greens, tees, fairways, athletic fields, and residential lawns. It can also be used on ornamental gardens, landscapes, trees, and shrubs.

Comes in a resealable 20kg bag.



Application rate:

**TREATMENT:** 1.25 kg/100m<sup>2</sup>.

Reapply at 1.25 kg/100m<sup>2</sup> on a weekly basis as needed

**PREVENTATIVE:** 0.5 kg/100m<sup>2</sup>.

Reapply on a monthly basis for up to 30-day protection against symptoms of stressful conditions.

**SEEDING:** 1.25 kg/100m<sup>2</sup> when preparing soil for seeding.

**SODDING:** After laying sod, broadcast 1.25kg/100m<sup>2</sup>

**Trees & Shrubs:**

Installation: Spread 0.25 kg of Aqueduct Flex in the hole and then broadcast 0.35 kg onto the soil surface for each 0.3 meter of rootball diameter. Alternatively, thoroughly mix 1.75 kg of Aqueduct Flex per m<sup>3</sup> of backfill.



sunlight



water



nutrients



air

### Corners of a Healthy Plant

By balancing air and water in the rootzone and increasing the availability of nutrients, Revolution improves access to 75% of the cornerstone needs for healthy turf!

75%





	10 litre 208 litre	<p><b>Revolution</b> is a patented technology. Ensures consistent moisture and air levels throughout the rootzone, reduces surface wetness, results in firmer playing surfaces and increased turf quality.  <b>Rate: 19L/ha, 200ml/100m<sup>2</sup> monthly</b></p>
	10 litre	<p><b>Dispatch</b> ensures rapid infiltration, reduced runoff and quick delivery of water, fertilisers and chemicals into the soil for maximum performance and increased water savings. Keeps greens firm and dry during the winter months  <b>Rate: 4 - 5L/ha monthly</b></p>
	10 litre	<p><b>Aquaduct</b> promotes fast wetting and re-wetting for rapid recovery from dry spots and other existing water management problems. It works as a curative, particularly for hot dry spots. Aqueduct is a great recovery product that won't burn your turf!  <b>Rate: 20L/ha</b></p>
	20kg	<p><b>Aquaduct Flex Granular</b> provides rapid recovery of stressed turf, with visible results in as little as 3 DAYS. Aqueduct Flex also provides up to 30-DAY PROTECTION against the development of localized dry spot when applied on a monthly basis. Use on high spots on greens that are prone to drying out in a preventative programme.  <b>Rate: 0.5 - 1.25 kg/100 m<sup>2</sup></b></p>
	10 litre 100 litre	<p><b>Zipline powered by AquaVita™</b> is a soil surfactant that contains Aquatrols' cutting edge, proprietary technology specifically designed to aid turf care professionals to consistently deliver Fast, Firm, Fine Turf. Its soil resource enhancement promotes balanced hydration, unlocks existing nutritional elements in the soil, making them more available to the plant  <b>Rate: Fairways 6.5 - 19L/ha. Greens 19 - 25.5L/ha monthly</b></p>
	10litre	<p><b>Primer Select</b> enhances turfgrass uniformity by establishing matrix flow in the rootzone, thus increasing water use efficiency in treated areas of highly managed turf.  <b>Rate: 15L/ha initially, then 10L/ha monthly</b></p>
	10 litre	<p><b>Firmway</b> improves distribution and infiltration of irrigation water and rainfall. By quickly lowering surface tension, Firmway delivers a more consistent playing surface.  <b>Rate: 2 - 6L/ha monthly</b></p>
	Box of 6	<p><b>Advantage Plus Pellets</b> Advantage Plus is a complete and balanced system for delivering improved performance during syringing and hand watering.</p>
<b>Pellet Applicator</b>		Hose end applicator for wetting agent pellets.
<b>Tricure AD Liquid</b>	10 litre 100 litre	<p>Prevents and cures hydrophobic conditions and Dry-Patch. Treats all rootzone particles including peat and thatch.  Shows improved soil surface dry-down characteristics.  Reduces irrigation needed to maintain healthy turf.  Safe to apply - no need for additional irrigation to prevent scorch.  Multi-rate flexibility allows rates to be reduced down to 7L/ha on fine turf in the spring and increased in line with temperature and evapotranspiration in the summer.  <b>Application rate: 10-20litres/ha</b></p>

# BALANCE IS THE KEY





## SELECTIVE HERBICIDES

### Sustainable Use of Pesticides Directive (SUD)

After 26th November 2015, it is illegal to apply Professional Use PPPs (Plant Protection Products) unless you are registered as a PU (Professional User) with the DAfM (Department of Agriculture, Food & the Marine) and have been allocated a PU No. In the event of a DAfM inspection, you will be required to produce evidence of having completed appropriate training.

You can apply for registration as a PU at any time provided you have been suitably trained - see:

<http://www.pcs.agriculture.gov.ie/sud/sudreg/>



### USE PESTICIDES SAFELY- **ALWAYS READ THE LABEL** - RATES BELOW FOR GUIDANCE ONLY

<b>Destiny</b>	Fluroxypyr + 2,4-D + Dicamba  2 litre	Destiny Turf is a selective post-emergence herbicide for the control of a range of broad-leaved weeds in managed amenity turf including fine turf and amenity grassland. Controls many hard to kill weeds. Excellent control against plantains and daisies. Can be used on newly sown turf (2 months after sowing).  Application rate: 2 litres/ha
<b>Longbow</b>	2,4-D + MCPA + Mecoprop-P + Dicamba  5 litre	A herbicide for broad-leaved weeds in managed amenity turf. Controls speedwell. The special formulation of Longbow allows uptake through both the leaves and the roots providing exceptional weed control. It's powerful combination of 4 active ingredients controls a wide range of annual and perennial weeds.  Application rate: 7.5 litres/ha 75 ml in 10 litres water/100 m <sup>2</sup>
<b>Praxys</b>	Fluroxypyr+ Clopyralid + Florasulam  2 litre	Selective systemic post emergence herbicide for all amenity grassland.  Application rate: 2 litres/ha
<b>Cabadex</b>	Fluroxypyr + Florasulam  5 litre	Safe and efficient selective herbicide for control of difficult weeds in both established and young amenity turf.  Application rate: 2 litres/ha
<b>D 50</b>	2, 4 D Amine  10 litres	Controls daisy and plantains and older broad leaved weeds in amenity areas.  Application rate: 2.3 litres/ha

## GROWTH REGULATORS

<b>Primo Maxx 11</b>	Trinexapac-Ethyl  5, 10 & 20 litre	Turfgrass growth regulator that reduces growth without sacrificing sward vigour and appearance.  Application rate: Various
<b>Clipless</b>	Trinexapac-Ethyl  5 litre	Turfgrass plant growth regulator for the management of grass growth in amenity grassland and managed amenity turf.  Application rates: 0.2 - 3.2 litres/ha.

## TOTAL HERBICIDES

### Sustainable Use of Pesticides Directive (SUD)

After 26th November 2015, it is illegal to apply Professional Use PPPs (Plant Protection Products) unless you are registered as a PU (Professional User) with the DAfM (Department of Agriculture, Food & the Marine) and have been allocated a PU No. In the event of a DAfM inspection, you will be required to produce evidence of having completed appropriate training. You can apply for registration as a PU at any time provided you have been suitably trained - see: <http://www.pcs.agriculture.gov.ie/sud/sudreg/>

### USE PESTICIDES SAFELY- ALWAYS READ THE LABEL - RATES BELOW FOR GUIDANCE ONLY

<b>Pistol</b>	Glyphosate Diflufenican  1 & 5 litre	Total & residual herbicide. PISTOL® herbicide has foliar absorbed translocated activity, combined with soil acting properties, providing both pre-emergence & post emergence weed control.  Application rate: 4.5 litres/ha
<b>Roundup Biactive</b>	Glyphosate  5 & 15 litre	Total systemic herbicide used for the control of a large variety of weeds including the Japanese knotweed. Roundup Biactive can be used in both knapsack and boom sprayers.  Application rate: 4 -5 litres/ha
<b>Rosate</b>	Glyphosate  5 & 20 litre	Total systemic herbicide. For control of annual and perennial weeds.  Application rate: 4 - 5 litres/ha
<b>Valdor FLEX</b>	Diflufenican and iodosulfuronmethyl- sodium, a sulfonylurea.  10x10g & 500g	Residual, pre-emergent, herbicide that controls a broad spectrum of weeds. When applied prior to germination, depending on the weed species to be controlled, Valdor® Flex keeps the soil weed free for up to 4 months. Can be tank-mixed with Glyphosate.  Application rate: 0.5 kg/ha
<b>New-Way Weedspray</b>	Acetic acid  5 litre	Approved for weeds, including liverworts, & moss control on hard surfaces. Fast acting contact herbicide - weeds die 1 to 2 days after treatment. Ideal as a rotation partner with glyphosate to avoid potential weed resistance on hard surfaces. Formulated from naturally occurring ingredients.  Application rate: 1 part to 3 parts water
<b>Chikara</b>	Flazosulfuron  150g	Pre-emergence residual for tank mixing with glyphosate.  Application rate: 150g/ha

## TANK CLEANER

<b>All Clear Extra</b>  5 litre	A balanced liquid formulation tank cleaner for spray equipment containing sequestrants and surfactants.  Application rate: 2.5 litres in 500 litres water.
<b>Erase</b>  1 litre	Advanced surfactant system that penetrates and removes dried-on spray-tank residues. Emulsifier technology solubilises oily residues for easier purging of the system. Increases rinsate solution pH levels to rapidly accelerate the breakdown of vulnerable pesticides. Anti-corrosion inhibitors to protect equipment pumps, seals and plumbing.  Application rate: 0.5 litres in 100 litres water



## BRUSHWOOD / INVASIVE WEED HERBICIDES

<b>Garlon Ultra</b>	Triclopyr Aminopyralid  1 litre	A selective herbicide for controlling woody and invasive weeds in amenity grassland areas. Effective against a wide range of tough and Invasive weeds – including Japanese Knotweed, Hogweed and Buddleia. Good leaf coverage will enable the active ingredients in Garlon Ultra to penetrate the waxy surface and move to the plant's roots, delivering high levels of control of a wide range of difficult species. Fast acting: rain-fast in only 1 hour. Apply to point of runoff.  Application rate: 2 - 4 litres/ha (150 - 200ml in 10 litres water)
<b>Grazon</b>	Chlopyralid Triclopyr  1 litre	For difficult weeds such as nettles, docks and thistles. Can be used on all established amenity grassland. Controls woody weeds.  Application rate: 60ml in 10 litres water



## NO MIX CDA SPRAYER

### Frontline Classic CDA Sprayer



CDA sprayer with rechargeable battery. Chemical carried in 5L pack on back.  
The Frontline Classic combines the latest in low volume application technology, with TDC herbicides, to control weeds safely, effectively and efficiently.  
Lightweight - 5 litre box of ready to use herbicide connects directly to the applicator  
Targeted application - virtually no. spray drift or run-off.  
Compliant - latest application technology, compliant with best practice in minimising risk.  
Powerful battery - up to 2 days spraying before recharging.

Optimal operator control in all situations - electronic trigger mechanism.

The operator has 17 times **less exposure to glyphosate** when using the Nomix CDA sprayer compared to knapsack spraying.

### Frontline Compact CDA Sprayer



Lightweight, easy to use low volume herbicide applicator. The 750ml cartridge connects directly to the end of the applicator.

No backpack - ideal for smaller areas of use.

Targeted application - ensures product is only applied where needed.

Compliant - latest application technology, compliant with best practice in minimising risk.

Powerful re-chargeable batteries - up to 35 hours spraying time per charge.

Pacer control - more accurate application.

<b>Nomix Dual</b>	Glyphosate Sulfosulfuron  5L & 4 x 0.75litre	Total herbicide with residual action. For use on pathways, around trees and car parks.  Application rate: 9 L/ha
<b>Nomix Hilite</b>	Glyphosate  5L & 4 x 0.75litre	Total herbicide. For use on pathways, around trees and car parks.  Application Rate: 7.5 - 10 litres/ha
<b>Nomix TDC Universal Cleaner</b>	5L & 4 x 0.75litre	Essential for cleaning and maintenance of sprayer.



## ADJUVANTS

Adjuvants are products which are added to spray chemicals to improve their performance. They are generally used in minute amounts. Depending on their type, adjuvants increase the quality of spray which actually reaches the target, ensure it gives greater coverage, assist it to dry more quickly and either improve its persistency on the leaf surface or assist its penetration into the tissues below. Another group of adjuvants assist with the spraying operation itself - from removing foam, or marking spray bouts, to ensuring thorough cleaning of equipment.

<b>Tangent SDR</b>	Sticker & Spreader  2.5 litre	Natural spreader and sticker obtained from pine resin. Improves droplet retention & resistance to wash off. Anti-drift.  Application rate: 0.1% of spray solution 300ml / 300 litres of water.
<b>Headland Intake</b>	Penetrant & Acidifer  2.5 litre	Acidifies high pH water to improve efficacy of active ingredient in many chemicals. Improves spray penetration. High performance wetter improves coverage. Particularly useful in slow or cold growing conditions or when hardened or waxy leaves might limit spray penetration.
<b>Knockdown</b>	Anti & De-foamer  0.946 litre	Anti-foaming agent that prevents foam or suppresses it swiftly.  Application rates: Antifoam 30-190ml in 500 litres of water De-foamer 60-250ml in 500 litres of water.
<b>Runway</b>	Bout Marker 0.946 litre	Simple, effective, low-cost bout marking. Suits most bout marking systems.
<b>Transport Ultra</b>	  9.46 litre	Reduces pH and lowers bicarbonate levels in spray tank solutions. Increases availability and activity of pesticides, such as phenoxy herbicides and glyphosate. Particularly essential in hard water areas.  Application rate: 1-2 litres / 400 litres of water

## SOIL HEALTH

<b>TourTurf® TAG Turf Amenity Granules</b>	100% organic fertiliser and soil improver made from oilseed meal. Contains natural wetting and penetrating agents.  20kg	TourTurf TAG is an NPK fertilizer and an organic soil improvement agent that improves the surface of the turf on greens, tees, fairways and football pitches significantly. Can also be used on all types of other amenity areas. Contains magnesium and wetting agent, so it both stimulates the soil and the plant, has a good Green Up effect as well. It should be used in spring and autumn and during other wet periods. Produced from oil seed meal which is a plant based material. Can be used once or twice a year in connection with aeration. Water in after application or apply before rain fall. Thereafter the material can be brushed into the turf with a drag mat.  Application rate: 3 kg/100 m <sup>2</sup> .
<b>Garlic Biostimulant</b>	Garlic extract - concentrated formulation containing high quality garlic and other plant extracts  5 litre	Creates conditions conducive to healthy grass growth mitigating the negative effects of stress. Suitable for all types of turf including lawns, sports fields and other amenity areas. When applied in a programme of treatments it will promote good clean healthy root systems and an excellent sward. Stimulates growth, vigour and tillering. Helps to resist the adverse effects of stress due to drought and unbalanced nutrition, and assists in optimising the effects of fertilisation. Biodegradable. For healthy resilient turf, naturally.  Application rate: 5 - 12 litre/ha.
<b>EGC Nematicide</b>	  5 litre	EGC is the only liquid nematicide registered in Ireland for sports turf and amenity grass.  Application rate: 20 litre/ha

## LEATHERJACKETS & CHAFER GRUBS

<b>Coragen</b>	200ml	Emergency registration for amenity use to control Leatherjacket and Chafer grub populations. Contact technical sales for application info.
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## SOIL AMENDMENTS

**Profile** is a porous ceramic **permanent soil amendment** for high performance root zones.

**High Structural strength** - less than 3% degradation over 20 years (Substantially better than all other processed soil amendments)

**Ideal Air (35%) and Capillary (39%) pore space balance**, ensures optimum moisture and oxygen levels in the root zone.

Negatively charged particles provide **nutrient exchange** sites (CEC)

A 70/30 sand profile mixture used at Aeration will increase the infiltration of Irish USGA specification sand by 87% & Air Porosity by 45%.

Bulk loads of 70/30, 90/10 etc. are available premixed.

Aids management of Organic matter & thatch production

Sand Profile 70/30 is available in 1000 kg & 25kg Bags for use in Aeration Machinery where an extremely dry mixture (as in kiln dried sand) is required.

70/30 mix has been used successfully in a GKB Sandfiller, with Graden sand injection and The Drill & Fill Machine.



The bulk density of Profile is 593kgs per cu mt.

Typically moist sand is around 1.7tonnes per cu mt.

In the image left, Profile on the left is exactly the same weight as Kiln Dried Sand on the right. The extra volumetric space of the profile is occupied by pore spaces.



### USGA Spec Golf Club, Ireland Undisturbed core testing - Green #1

Sand 100%		Profile Porous Ceramic Blend with Sand		
Testing Parameters		15%	30%	50%
<b>Infiltration</b> (Saturated Hydraulic Conductivity) (in/hr) -> % Improvement	3.8	4.6	7.1	12.2
		21%	87%	221%
<b>Air Porosity</b> % -> % Improvement	12.8	15.3	18.6	22.8
		20%	45%	78%
<b>Water Porosity</b> % -> % Improvement	28	30.2	32	34.2
		8%	14%	22%
<b>Water Retention</b> % at Field Capacity -> % Improvement	18.1	21.4	25.2	31.7
		18%	39%	75%

## GRASS SEED

### Barenbrug Golf

We have a comprehensive range of top quality amenity grass seeds to suit all amenity purposes. Seeds can be mixed to any specification

#### Fescue

20kg

35%	Viktorka - Slender Creeping Red Fescue
20%	Barlineus - Chewings Fescue
15%	Barcrown - Slender Creeping Red Fescue
10%	Bodega - Chewings Fescue
10%	Bargreen II - Chewings Fescue
10%	Musica - Chewings Fescue

Outstanding blend of fine red fescue for the construction and overseeding of free draining fine turf. Golf & bowling greens, tees & fairways.

**Sowing Rate:** 25-35g per m<sup>2</sup>

**Overseeding Rate:** 15-25g per m<sup>2</sup>

**Sowing depth:** 8-12mm below thatch

**Mowing height:** Down to 4mm

#### Fairway

20kg

35%	Barisse - Strong Creeping Red Fescue
20%	Barpearl - Slender Creeping Red Fescue
15%	Barjessica - Strong Creeping Red Fescue
15%	Bodega - Chewings Fescue
10%	Hardtop - Hard Fescue
5%	Barlineus - Chewings Fescue

Excellent blend of four fine fescue species designed for the construction, divoting andoverseeding of free draining areas of fine turf. Fairways, tees & roughs.

**Sowing Rate:** 20-35g per m<sup>2</sup>

**Overseeding Rate:** 15-25g per m<sup>2</sup>

**Sowing depth:** 8-12mm below thatch.

**Mowing height:** Down to 7mm

#### Shoreline

20kg

50%	Viktorka - Slender Creeping Red Fescue
50%	Barpearl - Slender Creeping Red Fescue

Innovative blend of slender creeping red fescue for the construction and overseeding of free draining fine turf exposed to saline conditions.

**Sowing Rate:** 35-45g per m<sup>2</sup>

**Overseeding Rate:** 20-30g per m<sup>2</sup>

**Sowing depth:** 8-12mm below thatch.

**Mowing height:** Down to 4mm

#### All Bent Greens

10kg

60%	Barking - Browntop Bentgrass
40%	Charles - Browntop Bentgrass

100% browntop bentgrass blend designed for overseeding & species exchange in poa dominant golf greens to improve wear & disease tolerance.

**Sowing Rate:** 8-10g per m<sup>2</sup>

**Overseeding Rate:** 4-6g per m<sup>2</sup>

**Sowing depth:** rootzone contact.

**Mowing height:** Down to 3mm

#### Duo Bent Greens

10kg

50%	Charles - Browntop Bentgrass
50%	L-93 XD - Creeping Bentgrass

50% browntop bent grass mixed with 50% creeping bentgrass, this blend is designed for overseeding & species exchange in golf greens & bowling greens to improve wear & disease tolerance. Suited to overseeding into Poa Greens.

**Sowing Rate:** 8-10g per m<sup>2</sup>

**Overseeding Rate:** 4-6g per m<sup>2</sup>

**Sowing depth:** rootzone contact.

**Mowing height:** Down to 2mm

#### Classic 80 : 20

20kg

40%	Viktorka - Slender Creeping Red Fescue
20%	Barlineus - Chewings Fescue
20%	Ramona - Chewings Fescue
10%	Barking - Browntop Bentgrass
10%	Charles - Browntop Bentgrass

Traditional mixture of fescue & bentgrass designed to deliver a consistent and balanced blend of species when sowing out new fine turf. Golf & bowling greens.

**Sowing Rate:** 20-30g per m<sup>2</sup>

**Overseeding Rate:** 10-20g per m<sup>2</sup>

**Sowing depth:** rootzone contact.

**Mowing height:** Down to 4mm



**SGT Fairway****20kg**

20%	Viktorka - Slender Creeping Red Fescue
30%	Barjessica - Strong Creeping Red Fescue
20%	Hardtop - Hard Fescue
30%	Barprium - Dwarf perennial ryegrass

SGT fairway is a mixture of four species designed to deliver a consistent and balanced blend of turfgrass species when sowing out new fine turf under sustainable management. Suitable for golf tees also.

**Sowing Rate:** 25-35g per m<sup>2</sup>

**Overseeding Rate:** 15-25g per m<sup>2</sup>

**Sowing depth:** 5-10mm below thatch.

**Mowing height:** Down to 10mm

**Platinum fine turf****20kg**

30%	Barolympic - Dwarf perennial ryegrass
40%	Viktorka - Slender Creeping Red Fescue
30%	Musica - Chewings Fescue

Platinum is a mixture of perennial ryegrass and red fescue for the construction and overseeding of fine turf under moderate wear pressure. Golf & bowling greens, tees & fairways.

**Sowing Rate:** 25-35g per m<sup>2</sup>

**Overseeding Rate:** 15-25g per m<sup>2</sup>

**Sowing depth:** 8-12mm below thatch.

**Mowing height:** Down to 4mm

**Medal****20kg**

40%	Barolympic - Dwarf perennial ryegrass
20%	Eventus - Dwarf perennial ryegrass
20%	Viktorka - Slender Creeping Red Fescue
20%	Barisse - Strong Creeping Red Fescue

Medal is a mixture of perennial ryegrass and red fescue for the construction and overseeding of fine turf under high wear pressure. Golf & bowling greens, tees, fairways, cricket outfields & tennis courts.

**Sowing Rate:** 25-35g per m<sup>2</sup>

**Overseeding Rate:** 15-25g per m<sup>2</sup>

**Sowing depth:** 8-12mm below thatch

**Mowing height:** Down to 4mm

**Ultrafine****20kg**

50%	Barolympic - Dwarf perennial ryegrass
30%	Barsignum - Dwarf perennial ryegrass
20%	Eventus - Dwarf perennial ryegrass

Ultrafine is a blend of perennial ryegrass for the construction and overseeding of fine turf under high wear pressure with a tolerance to close mowing. Greens, surrounds & tennis courts.

**Sowing Rate:** 25-50g per m<sup>2</sup>

**Overseeding Rate:** 20-30g per m<sup>2</sup>

**Sowing depth:** 10-15mm below thatch

**Mowing height:** Down to 4mm

**Extreme****20kg**

40%	Barolympic - Dwarf perennial ryegrass
30%	Barcristalla - Dwarf perennial ryegrass
20%	Eventus - Dwarf perennial ryegrass
10%	Bargold - Dwarf perennial ryegrass

Extreme is a blend of perennial ryegrass for the construction and overseeding of medium fine turf under high wear pressure with a tolerance to close mowing. Tees, fairways, cricket squares & outfields, tennis, hockey, Racecourse Parade rings and lawns.

**Sowing Rate:** 25-50g per m<sup>2</sup>

**Overseeding Rate:** 20-30g per m<sup>2</sup>

**Sowing depth:** 10-15mm below thatch

**Mowing height:** Golf; down to 5mm. Cricket; down to 2mm.

**RPR Golf****20kg**

40%	Barlibro - RPR Dwarf perennial ryegrass
30%	Europitch - Dwarf perennial ryegrass
30%	Barcristilla - Dwarf perennial ryegrass

RPR Golf is a blend of perennial ryegrass for the construction and overseeding of fine turf in areas of intensive golf traffic. Tees, fairways, walkways and roughs.

**Sowing Rate:** 25-50g per m<sup>2</sup>

**Overseeding Rate:** 20-30g per m<sup>2</sup>

**Sowing depth:** 10-15mm below thatch

**Mowing height:** Down to 4mm



# CropCare Range

Our golf range has been formulated for use on all types and levels of greens management regimes to ensure the highest quality surfaces at all times.

## Shark Creeping Bentgrass

**11.35kg**

100% Shark - Creeping Bentgrass

Very high quality moderately dark green bentgrass that is aggressive and establishes quickly. Blends very well into existing poa swards.

**Sowing Rate:** 8g per m<sup>2</sup>

**Overseeding Rate:** 2-4g per m<sup>2</sup>

## 007 Creeping Bentgrass

**11.35kg**

100% 007 - Creeping Bentgrass

Very high quality dark green bentgrass with high turf quality and excellent density. Very versatile grass suiting many growing conditions.

**Sowing Rate:** 8g per m<sup>2</sup>

**Overseeding Rate:** 2-4g per m<sup>2</sup>

## 777 Creeping Bentgrass

(Available 2021)

**11.35kg**

100% 777 - Creeping Bentgrass

Very high quality dark green bentgrass that is aggressive and establishes quickly. Superior density with upright growth. High tolerance to heat & cold. Excellent disease resistance.

**Sowing Rate:** 8g per m<sup>2</sup>

**Overseeding Rate:** 2-4g per m<sup>2</sup>

## Elite Greens

**25kg**

30% Nicole - Slender Creeping Red Fescue  
30% Highnote - Chewings Fescue  
20% AberRegal - Browntop Bentgrass  
20% AberRoyal - Browntop Bentgrass

Very high quality mix usually only used for links situation.

**Sowing Rate:** 25g per m<sup>2</sup>

**Overseeding Rate:** 10-15g per m<sup>2</sup>

## Super Bent Greens

**10kg**

50% AberRegal - Browntop Bentgrass

50% AberRoyal - Browntop Bentgrass

Very high quality Browntop blend for greens overseeding.

**Sowing Rate:** 12g per m<sup>2</sup>

**Overseeding Rate:** 4-6g per m<sup>2</sup>

## Traditional Highland Greens

**12.5kg**

40% Highnote - Chewings Fescue

40% Nicole - Slender Creeping Red Fescue

20% Highland - Browntop Bentgrass

Traditional bent fescue is used in lots of situations for seeding / overseeding.

Also used in parkland courses for seeding areas where rye has never been used. Produces a very fine high quality lawn.

**Sowing Rate:** 35g per m<sup>2</sup>

**Overseeding Rate:** 15-20g per m<sup>2</sup>

## Traditional Fescue

**20kg**

30% Nicole - Slender Creeping Red Fescue

35% Melitta - Chewings Fescue

35% Sergei - Strong Creeping Red Fescue

Tees & fairway seeding and overseeding on traditional courses.

Very cost effective low maintenance slow growing mixture.

**Sowing Rate:** 30-35g per m<sup>2</sup>

**Overseeding Rate:** 15-20g per m<sup>2</sup>

## Elite All Rye Tees

**25kg**

35% Beckham - Dwarf perennial ryegrass

35% Cabrio - Dwarf perennial ryegrass

30% Escapade - Dwarf perennial ryegrass

Very high quality fine leaved dwarf perennial ryegrass.

For use on close mown tees/fairways -12mm and below.

**Sowing Rate:** 30-35g per m<sup>2</sup>

**Overseeding Rate:** 15-20g per m<sup>2</sup>

**Elite Rye Fescue Tees****25kg**

- 20% Beckham - Dwarf perennial ryegrass
- 20% Cabrio - Dwarf perennial ryegrass
- 20% Escapade - Dwarf perennial ryegrass
- 20% Nicole - Slender Creeping Red Fescue
- 20% Highnote - Chewings Fescue

**Very high quality fine leaved rye fescue mix.**  
**For use on close mown areas to produce turf below 12mm.**  
**Will produce the highest quality turf on tees, surrounds, fairways and lawns.**

**Sowing Rate:** 30-35g per m<sup>2</sup>  
**Overseeding Rate:** 15-20g per m<sup>2</sup>

**Premium Ryegrass Fescue****25kg**

- 20% Agreement - Dwarf perennial ryegrass
- 25% Esquire - Dwarf perennial ryegrass
- 25% Galleon - Dwarf perennial ryegrass
- 10% Calliope - Chewings Fescue
- 20% Relevent - Strong Creeping Red Fescue

**Good quality good value hard wearing mixture for all turf uses.**

**Sowing Rate:** 30-35g per m<sup>2</sup>  
**Overseeding Rate:** 15-20g per m<sup>2</sup>

**Premium All Rye****25kg**

- 35% Agreement - Dwarf perennial ryegrass
- 35% Galleon - Dwarf perennial ryegrass
- 30% Platinum - Dwarf perennial ryegrass

**Good quality, good value hard wearing mixture for all turf overseeding.**

**Sowing Rate:** 30-35g per m<sup>2</sup>  
**Overseeding Rate:** 15-20g per m<sup>2</sup>

**Shade Mix****12.5kg**

- 20% Agreement - Dwarf perennial ryegrass
- 20% Aberfleece - Sheeps Fescue
- 20% Calliope - Chewings Fescue
- 20% Maxima - Strong Creeping Red Fescue
- 20% Evora - Smooth stalked meadow grass

**Sowing Rate:** 25g per m<sup>2</sup>  
**Overseeding Rate:** 10-15g per m<sup>2</sup>

**Shade Mix-Extreme****5kg**

- 20% Aberfleece - Sheeps Fescue
- 20% Calliope - Chewings Fescue
- 20% Maxima - Strong Creeping Red Fescue
- 25% Evora - Smooth stalked meadow grass
- 10% Poa Supina
- 5% Highland - Browntop Bent

**Sowing Rate:** 25g per m<sup>2</sup>  
**Overseeding Rate:** 10-15g per m<sup>2</sup>

# Barenbrug Sport

**Elite Sport****20kg**

- 45% Europitch - Dwarf perennial ryegrass
- 25% Eurocordus - Dwarf perennial ryegrass
- 20% Barcristalla - Dwarf perennial ryegrass
- 10% Baradona - Dwarf perennial ryegrass

**Elite Sport is a blend of four hard-wearing perennial ryegrasses for the renovation and construction of elite winter sports pitches. Rugby, Soccer and Football.**

**Sowing Rate:** 30-50g per m<sup>2</sup>  
**Overseeding Rate:** 15-30g per m<sup>2</sup>  
**Sowing depth:** 10-15mm below thatch  
**Mowing height:** Down to 18mm

**RPR Sport****20kg**

- 40% Barcristilla - Dwarf perennial ryegrass
- 30% Barlibro - RPR Dwarf perennial ryegrass
- 30% Barorlando - Dwarf perennial ryegrass

**RPR Sport is a blend of three hard - wearing perennial ryegrasses for the renovation and construction of elite winter sports pitches. Rugby, Soccer, Football, and Stadium environments.**

**Sowing Rate:** 30-50g per m<sup>2</sup>  
**Overseeding Rate:** 15-30g per m<sup>2</sup>  
**Sowing depth:** 10-15mm below thatch  
**Mowing height:** Down to 18mm



**Multi Sport****20kg**

35%	Barcristalla - Dwarf perennial ryegrass
30%	Barorlando - Dwarf perennial ryegrass
20%	Baromario - Dwarf perennial ryegrass
15%	Baradona - Dwarf perennial ryegrass

**Multi Sport is a blend of four hard-wearing perennial ryegrasses for the renovation and construction of sports pitches. Rugby, Soccer, Football, and multi-use sports fields.**

**Sowing Rate:** 30-50g per m<sup>2</sup>

**Overseeding Rate:** 15-30g per m<sup>2</sup>

**Sowing depth:** 10-15mm below thatch

**Mowing height:** Down to 10mm

**Smooth Sport****20kg**

40%	Eurocordus - Dwarf perennial ryegrass
40%	Barorlando - Dwarf perennial ryegrass
20%	Bariris - Smooth-stalked meadowgrass

**Multi Sport is a blend of perennial ryegrass and smooth-stalked meadowgrass for the construction of winter sports pitches with a long establishment window. It is recommended to allow at least 3 months for the smooth-stalked Meadowgrass to establish. Rugby, Soccer and Football.**

**Sowing Rate:** 30-40g per m<sup>2</sup>

**Overseeding Rate:** 15-20g per m<sup>2</sup>

**Sowing depth:** 10-15mm below thatch

**Mowing height:** Down to 18mm

**SOS****20kg**

50%	Barterra - Annual ryegrass
50%	Barorlando - Dwarf perennial ryegrass

**SOS is designed to give the fastest possible germination, establishment and growth for emergency repair or divoting sports turf and racecourses. Barterra germinates at temperatures as low as 3.5°C.**

**Usage:** Sports turf & Racecourse overseeding at low temperatures.

**Sowing Rate:** 30-40g per m<sup>2</sup>

**Overseeding Rate:** 20-40g per m<sup>2</sup>

**Sowing depth:** 4-8mm below thatch

**Mowing height:** Down to 20mm

**RPR Sprint****20kg**

30%	Barlibro - RPR Dwarf perennial ryegrass
20%	Barlicum - Dwarf perennial ryegrass
20%	Barorlando - Dwarf perennial ryegrass
15%	Drumbo - Perennial ryegrass
15%	Eurocordus - Dwarf perennial ryegrass

**RPR Sprint is a perennial ryegrass mixture specifically formulated for the unique demands of racecourses. Includes RPR, a regenerating stoloniferous cultivar and a forage cultivar for fast establishment, strong growth and superior recovery. Racecourses.**

**Sowing Rate:** 25-35g per m<sup>2</sup>

**Overseeding Rate:** 15-25g per m<sup>2</sup>

**Sowing depth:** 10-15mm below thatch

**Mowing height:** Down to 60mm

# CropCare Sports

**Our Sportsfield range has been formulated for use on all types of rootzones, and levels of management regimes to ensure the highest quality surfaces at all times. Heavy wear, quick recovery, colour and drought tolerance are all factors in our cultivar selection process.**

**Elite Rye Fescue Sport****25kg**

25%	Vesuvius - Dwarf perennial ryegrass
25%	Berlioz - Dwarf perennial ryegrass
20%	Vulcanus - Dwarf perennial ryegrass
15%	Calliope - Chewings Fescue
15%	Sergei - Strong Creeping Red Fescue

**Very high quality mixture for use on all hardwearing areas such as Tees and Sportsfields cut at around 25mm.**

**Sowing Rate:** 30-35g per m<sup>2</sup>

**Overseeding Rate:** 15-20g per m<sup>2</sup>

**Elite All Rye Sport****25kg**

25%	Berlioz - Dwarf perennial ryegrass
25%	Vesuvius - Dwarf perennial ryegrass
25%	Vulcanus - Dwarf perennial ryegrass
25%	Beckam - Dwarf perennial ryegrass

**Very high quality overseeding mixture for use on all heavy wear Tees and Sportsfields.**

**Sowing Rate:** 30-35g per m<sup>2</sup>

**Overseeding Rate:** 15-20g per m<sup>2</sup>

**Premium Ryegrass Fescue Sport****25kg**

20%	Vesuvius - Dwarf perennial ryegrass
25%	Beckam - Dwarf perennial ryegrass
25%	Galleon - Dwarf perennial ryegrass
10%	Calliope - Chewings Fescue
20%	Relevant - Strong Creeping Red Fescue

**Good quality, good value hard wearing mixture for all turf uses.**

**Sowing Rate:** 30-35g per m<sup>2</sup>

**Overseeding Rate:** 15-20g per m<sup>2</sup>

**Premium All Rye Sport****25kg**

30%	Vesuvius - Dwarf perennial ryegrass
40%	Galleon - Dwarf perennial ryegrass
30%	Beckham - Dwarf perennial ryegrass

**Good quality, good value hard wearing mixture for all turf overseeding.**

**Sowing Rate:** 30-35g per m<sup>2</sup>

**Overseeding Rate:** 15-20g per m<sup>2</sup>

**Premium Ryegrass Fescue****25kg**

20%	Agreement - Dwarf perennial ryegrass
25%	Esquire - Dwarf perennial ryegrass
25%	Galleon - Dwarf perennial ryegrass
10%	Calliope - Chewings Fescue
20%	Relevant - Strong Creeping Red Fescue

**Good quality, good value hard wearing mixture for all turf uses.**

**Sowing Rate:** 30-35g per m<sup>2</sup>

**Overseeding Rate:** 15-20g per m<sup>2</sup>

**Premium All Rye****25kg**

35%	Agreement - Dwarf perennial ryegrass
35%	Galleon - Dwarf perennial ryegrass
30%	Platinum - Dwarf perennial ryegrass

**Good quality, good value hard wearing mixture for all turf overseeding.**

**Sowing Rate:** 30-35g per m<sup>2</sup>

**Overseeding Rate:** 15-20g per m<sup>2</sup>

**Sports 80 10 10****25kg**

40%	Monalisa - Rhizomatous tall fescue
40%	Rebel 4 - Rhizomatous tall fescue
10%	Yorktown 3 - Dwarf perennial ryegrass
10%	Geronimo - Dwarf perennial ryegrass

**Very high quality mixture for use on all heavy wear, high sand content sportsfields where drought tolerance is important.**

**Sowing Rate:** 30-35g per m<sup>2</sup>

**Overseeding Rate:** 15-20g per m<sup>2</sup>



# CropCare Landscape

**Verdi****25kg**

30%	Esquire - Dwarf perennial ryegrass
30%	Kokomo - Dwarf perennial ryegrass
40%	Relevant - Strong Creeping Red Fescue

**Sowing Rate:** 30-35g per m<sup>2</sup>

**Landscape****20kg**

30%	Esquire - Dwarf perennial ryegrass
30%	Kokomo - Dwarf perennial ryegrass
40%	Relevant - Strong Creeping Red Fescue

**Sowing Rate:** 30-35g per m<sup>2</sup>

**Low Maintenance Mixture****20kg**

- 30% Agreement - Dwarf perennial ryegrass
- 20% Nicole - Slender Creeping Red Fescue
- 20% Wagner - Chewings Fescue
- 30% Relevent - Strong Creeping Red Fescue

**Good quality good value hard wearing mixture for all turf uses.**

**Very cost effective, low maintenance slow growing mixture.**

**Sowing Rate:** 30-35g per m<sup>2</sup>

**Overseeding Rate:** 15-20g per m<sup>2</sup>

**Elite Rye Fescue Tees****25kg**

- 20% Beckham - Dwarf perennial ryegrass
- 20% Cabrio - Dwarf perennial ryegrass
- 20% Escapade - Dwarf perennial ryegrass
- 20% Nicole - Slender Creeping Red Fescue
- 20% Highnote - Chewings Fescue

**Very high quality fine leaved rye fescue mix.**

**For use on close mown areas to produce turf below 12mm.**

**Will produce the highest quality turf on tees, surrounds, fairways and lawns.**

**Sowing Rate:** 30-35g per m<sup>2</sup>

**Overseeding Rate:** 15-20g per m<sup>2</sup>

**Shade Mix****12.5kg**

- 20% Agreement Dwarf Perennial Ryegrass
- 20% Aberfleece Sheeps Fescue
- 20% Calliope Chewings Fescue
- 20% Maxima Strong Creeping Red Fescue
- 20% Evora smooth stalked meadow grass

**Sowing Rate:** 25g per m<sup>2</sup>

**Overseeding Rate:** 10-15g per m<sup>2</sup>

**Shade Mix-Extreme****5kg**

- 20% Sheeps Fescue
- 20% Chewings Fescue
- 20% Strong Creeping Red Fescue
- 25% Smooth stalked meadow grass
- 10% Poa Supina
- 5% Browntop Bent

**Sowing Rate:** 25g per m<sup>2</sup>

**Overseeding Rate:** 10-15g per m<sup>2</sup>

## GRASS SEED CAN BE MIXED TO YOUR OWN SPECIFICATION

**Barenbrug Catalogues also available with Golf, Sportsfield and Essential Ranges.**

**Cultivars correct at time of printing but may vary due to availability.**

**A cultivar of similar ranking will be used if listed ones are unavailable.**



# ARTIFICIAL TURF GOALMOUTH

Artificial turf installations offer a perfect solution for heavy wear goal mouths that affect the performance of players & goalkeepers.

Traditional goalmouth constructions are unable to endure the endless hours of games & training that takes place on some club & training pitches. A well designed artificial goalmouth will offer a safe solution in these situations.

Our research has guided us to install a tidy size of artificial turf on a well constructed base including a shockpad which will provide comfort for the goalkeeper & avoid affecting ball bounce in a key play area.

## Construction

- Install a well drained soild stable base as per specification.
- Install an approved shockpad.
- Install a 3G approved carpet.
- Carefully add selected infill to fill the carpet to capacity.



## Benefits

- Long lasting effective solution to an ongoing problem.
- Protects players at a key playing area.
- Increases the usage capability of a natural turf pitch.
- Improves pitch presentation & appearance.





## GOALMOUTH REPAIR

### Xtragrass Stabilised Turf system

Unites the positive properties of natural turf with the strength and durability of artificial turf, providing an elite playing surface with all year round green appearance.

The synthetic turf fibres are woven into a partially biodegradable backing which creates a structure to support the pitch. The open matting allows the roots of the grass plant to grow through the fabric to access moisture & nutrients.

The carpet can be installed at construction in heavy wear areas such as goal mouths and seeded with a hardwearing grass seed mixture.



Alternatively if time is an issue Xtragrass can be installed as farmed turf rolls and play is possible within a few days.





## WILDFLOWER TURF

Wildflower Turf is a guaranteed, risk free approach to establishing a wildflower meadow.

### Wildflower Landscape Turf

Wildflower Turf has been developed using a unique soil-less system that is weed suppressing, easy to handle and delivers a guaranteed wildflower environment. This turf is made up of 30 wildflowers and grasses, with a minimum of 75% wild flowers.



- Suitable for a range of soil types
- Very natural "Hay Meadow" look and feel
- Shade and drought tolerant
- Low maintenance - one to two cuts per year

#### Applications

Suitable for gardens, parks, municipal areas and private grounds

### Wildflower Landscape Turf



#### Grasses

Crested Dogtail	Sheeps Fescue
-----------------	---------------

#### Flora

Common Knapweed	Autumn Hawkbit	Betony	Campion
Cats Ear	Sorrel	Cowslip	Field Scabious
Kidney Vetch	Cranesbill	Foxglove	Birdsfoot Trefoil
Lady Bedstraw	Meadowsweet	Musk Mallow	St John's Wort
Ragged Robin	Rough Hawkbit	Meadow Buttercup	Ox Eye Daisy
Red Campion	Ribwort Plantain	Salad Burnet	Self Heal
White Campion	Common Vetch	Toadflax	Wild Carrot
Wild Marjoram	Wild Red Clover	Yarrow	Yellow Rattle





### Meadscape Pro

Meadscape Pro is an enhanced growing medium used by professionals for wild flower establishment. Developed after several years of research and product testing.

**Meadscape Pro** provides an accurate seed rate, blended with a premium, extensively tested, weed free growing medium.

It is enriched with Hydropor so requires significantly less investment in ground preparation, saving time in labour and machinery costs.



### Meadscape Pro - Where to use this mixture

- Large sites where there is access to irrigation but instant plant coverage is not required.
- Sites where access for ground preparation is restricted or the soil type limits conventional seed bed preparation.
- Level of gentle sloping ground. Not suitable for areas with steep slopes.
- Areas with lower historical weed burdens.

### Product Size & Weight

Meadscape Pro is delivered in 2m<sup>3</sup> bulk bags which covers 80 m<sup>2</sup> of ground.

Each bulk bag weighs around 800kgs.





## WILDFLOWER SEEDS

**We have a comprehensive range of top quality wildflower mixtures to suit all amenity purposes. Seeds can be mixed to any specification.**

### Flowering Meadow 100% wildflower

This mixture is suited to areas such as road verges, inner city derelict sites and wasteland areas when a wildflower area without grasses is required.

The annual species produces an initial display of colour in the first year and the perennial species persist thereafter.

Because this mixture doesn't contain any grass, establishment can be slower and bare areas of soil are left for longer while the wildflower plants establish.

It is therefore crucial that the seed bed is clean of weed species otherwise they can quickly out-compete the emerging wildflower plants.

Contains			
Common Knapweed	Corn Chamomile	Corn Marigold	Corn Poppy
Corncockle	Cornflower	Doves-foot Cranesbill	Foxglove
Birdsfoot Trefoil	Meadow Buttercup	Ox Eye Daisy	Red Campion
Ribwort Campion	Salad Burnet	Self Heal	White Campion
<b>Sowing Rate:</b> 1g per sq. metre			



### Flowering Meadow & grasses

**An 80:20 mix of grasses and wildflowers**

Creates a meadow for most situations, combining wild flora species found in flowering meadow with 80% grasses to produce a grassland meadow mixture which is suitable for all soil types.

The mixture is balanced so that there is some floral interest

from April through to September. The inclusion of a good percentage of annuals assists in giving a first season display when the mixture is sown in March or April.

A great habitat for invertebrates which in turn provide food for birds and mammals. If possible, when cutting in late summer, an area of up to one third should be left uncut until the following Spring for overwintering invertebrates. This area should be alternated each year.

Contains			
Common Knapweed	Corn Chamomile	Corn Marigold	Corn Poppy
Corncockle	Cornflower	Crested Dogtail	Foxglove
Birdsfoot Trefoil	Meadow Buttercup	Ox Eye Daisy	Red Campion
Ribwort Campion	Salad Burnet	Self Heal	Sheeps Fescue
Slender Red Fescue	Sweet Vernal Grass	Smaller Cats Tail	Tall Oat Grass
<b>Sowing rate:</b> 5g per m <sup>2</sup>			

## Cornfield Annuals

Cornfield annuals, once a common feature of traditional farming areas, have largely disappeared from their former habitat.

This mixture can be used to recreate those areas and give an outstanding display of colour in its first year, either sown on its own or to supplement a mixture of perennial species which are slower to establish.

To produce a display of cornfield annual every year, a reseedling programme should be implemented to build up a seed bank. After several years there will be enough seed to be regenerated by soil disturbance.

If sown from late March to late May, then assuming adequate moisture and warmth, this mix should flower after 60-80 days. Supplementing many of our standard grass and wildflower mixtures with annuals is a good way of providing first season colour to wildflower sowings that have to be done in March - June.

When sowing flowering meadow and grasses in late May @ 5g/m<sup>2</sup> you could supplement with cornfield annuals @ 1g/m<sup>2</sup> to ensure a floral display in Mid- August - September, therefore providing some display where ordinarily the first notable flowering from the perennial species in flowering meadow and grasses would be the following year once the mixture had established.

Contains			
Common Knapweed	Corn Chamomile	Corn Marigold	Corn Poppy
Corncockle	Cornflower		
<b>Sowing Rate:</b> 1-2 g per m <sup>2</sup>			



## General Meadow

General Meadow wildflower seed mixture is specifically designed to produce a fast-establishing sward of wildflowers and meadow grasses.

General Meadow contains 18 wildflower species and six grasses which produce a disease and stress tolerant meadow habitat.

General Meadow contains a 90:10 ratio of grasses and wildflowers and can be sown at 15 g/m<sup>2</sup>, thereby enabling the

rapid establishment of a dense, attractive canopy.

This makes General Meadow perfect for landscaping schemes where an area has been designated as a wildflower meadow and a reliable off the shelf solution is required. It is particularly useful for late spring sowings (May-June) when a project sign-off is required in late summer or early autumn.

### Where to use this mixture

- Urban, semi-urban and business park environments
- Commercial landscaping projects
- To create a fast-establishing sward

Contains			
Birdsfoot Trefoil	Browntop Bent	Chewings Fescue	Common Knapweed
Common Vetch	Corn Marigold	Corn Poppy	Corncockle
Cornflower	Lady Bedstraw	Ox Eye Daisy	Red Campion
Ribwort Campion	Salad Burnet	Self Heal	White Campion
White Clover	Yarrow	Yellow Rattle	Sheeps Fescue
Slender Creeping Red Fescue	Smooth Stalked meadow grass	Strong Creeping Red Fescue	
<b>Sowing rate:</b> 10-15 g per m <sup>2</sup>			



# HYDROSEEDING



Low organic matter area  
before seeding



ProGanics Application



Same area one month after seeding



Grass germinating in Flexterra

<b>Hydro Mulch 2000</b>	22.6kg	100% thermally refined high quality wood fibre. Absorbs water rapidly forming a homogenous slurry that ensures even distribution and is proven to control erosion.  Application rate: 2300kg-3400kg/Ha 1 x 22.6kg bale in 350 litres water covers 66-100 m <sup>2</sup>
<b>ProMatrix</b> Erosion Control Blanket Bonded Fibre Matrix	22.6kg	Promatrix Engineered Fibre Matrix (EFM) is an erosion control system where fibres are joined together by mineral and adhesive binders to create a continuous, 3-dimensional erosion control blanket, which grips to the soil surface. It delivers superior performance and sustainable results in an easy-to-apply and cost effective solution.  Application rate: 2800kg-4480kg/Ha 1 x 22.6kg bale in 320 litres water covers 50-80 m <sup>2</sup>
<b>Flexterra®</b> High Performance- Flexible Growth Medium™ (HP- FGM™)	22.6kg	Flexterra HP-FGM is a combination of Thermally Refined® wood fibres, crimped man-made fibres and performance-enhancing additives form a lofty, interlocking matrix that creates air space and water-absorbing cavities to accelerate germination, reduce the impact of raindrop energy and minimize soil loss.  Application rate: 2800kg-5000 kg/Ha 1 x 22.6kg bale in 320 litres water covers 45 - 80 m <sup>2</sup>
<b>ProGanics™</b> <b>Biotic Soil Media™ (BSM™)</b>	22.6kg	Designed as an alternative to topsoil on challenging and difficult to access sites. ProGanics will accelerate development of depleted soils/substrates with low organic matter, low nutrient levels and limited biological activity. This Engineered Soil Media™ (ESM™) helps build soils to their fullest potential for vegetative establishment and more effective erosion control.  Application rate: 3920kg-5600 kg/Ha 1 x 22.6kg bale in 380 litres water covers 40 - 60 m <sup>2</sup>
<b>ProGanics Dual</b> Biotic Soil Media plus erosion control in one application	22.6kg	ProGanics Dual is the Biotic Soil Media combined with the Erosion Control Mulch in one product.  Application rate: 4480kg-7290 kg/Ha 1 x 22.6kg bale in 380 litres water covers 30 - 50 m <sup>2</sup>
<b>Seed Aide®</b> <b>CoverGrow™</b>	18.14kg	An advanced technology granular mulch made from recycled wood and cellulose fibres. Once applied to a seeded area and activated by water, the granules quickly expand and disperse to provide outstanding protection and water-holding performance right where it's needed- whether you're spot treating smaller bare spots, or hydro spraying larger areas, CoverGrow is the easy and convenient way to establish vegetation.  Application rate: 250 - 300g / m <sup>2</sup> Approximately 1 bag per 80 m <sup>2</sup>
<b>FlocLoc</b> A Flocculating Soil Stabiliser	1.4kg	Designed to coagulate suspended soil particles, dropping them from runoff Reduces soil erosion Improves water infiltration into the seedbed Increases water-holding capacity of the hydroseeding slurry Improves machine performance; high viscosity slurry improves the shooting distance and suspension of seed and fertiliser FlocLoc can also be used for temporary erosion control and dust control  Application rate: 1 can covers 4000 m <sup>2</sup>

## SPRAY INDICATOR DYE

<b>Super Signal Blue</b>	9.46 & 0.946 litre	Super concentrated blue spray pattern indicator. Shows up uneven spray patterns, leaks and blocked jets. Reduces spray drift. Avoids costly overlapping, prevents waste of chemical and possible damage to sward. Disappears on exposure to sunlight or with rain.  Application rate: 2.5-5 ml / 1 L spray solution.
<b>Super Signal Green</b>	0.946 litre	Super concentrated green spray pattern indicator. Shows up uneven spray patterns, leaks and blocked jets. Reduces spray drift. Avoids costly overlapping, prevents waste of chemical and possible damage to sward. Disappears on exposure to sunlight or with rain.  Application rate: 2.5-5 ml / 1 L spray solution.
<b>Reduran</b>	Tube	Dye removing hand cleaner.

## TURF & DIVOT COLOURANTS

<b>Replace</b>	Sand Colourant  9.46 litre	A permanent colorant specifically formulated to impart a long-lasting green colour to sand during the mixing phase of divot mix preparation.  Application rate: 200mls per 15-20 litres of water.
<b>Regreen</b>	Permanent Turfgrass Colourant 9.46 litre	Non-phytotoxic colorant specifically formulated to impart a long-lasting, natural green colour when applied to dormant and non-dormant turfgrasses.  Application rate: 200-400mls per 50kg sand.

## PIGMENTS

<b>Envy</b>	Pigment  3.78 litre	A combination of pigments and spray adjuvants for application to turf, trees or shrubs. Envy may be used to improve colour, mask injury or discoloration and improve the coverage of spray droplets on the leaf blade. Natural green colour.  Application rate: 1.2 litres/ha in 400-500 litres of water.
<b>Ryder</b>	Pigment  1 litre	Ryder is a turf pigment technology that protects turf from harmful UV rays and excessive light, delivering a consistent natural green colour. Apply as a programme to build colour and prior to periods of stress to maintain appearance.  Application rate: 0.75 to 1.5 litres/ha in 250-500 litres of water.

## LAKE MANAGEMENT

<b>Jet Black</b>	Carton of 6 sachets 4 Cartons per case	Black lake and pond dye designed to limit sunlight penetration into water column. 1 water soluble pack treats 1200 cubic metres.
<b>Precise Pond</b>	Carton of 6 sachets 4 Cartons per case	A Concentrated Combination of enzymes and bacteria that pre-emptively digest phosphorus and nitrogen in the water column, while accelerating the breakdown of partially decomposed organic matter, waste and sludge accumulation on lake and pond.  Initial rate: 6 to 12 water soluble sachets per surface acre of water. Maintenance rate: 3 to 4 water soluble sachets per surface acre of water.



## MOSS AND ALGAE CONTROL

### Grass Surfaces

<b>Greentec Moss Killer Pro</b>	4:0:4+9Fe	A low nitrogen, high iron fine turf fertiliser, will help control moss. For use on sand and soil greens, tees and lawns as an Autumn/Winter or a Spring starter fertiliser.
	25kg	Application rate: 35-40g / m <sup>2</sup>
<b>Greenfert Granular Iron</b>	12%Fe + 5%MgO	A magnesium iron fertiliser giving rapid visual greening up of the sward as well as turf hardening benefits. High rate of application will also cause moss to blacken. For use on lawns, tees and golf greens.
	20kg	Application rate: 35-50g / m <sup>2</sup>

### Hard Surfaces

<b>New-Way Weedspray</b>	Acetic acid	Approved for moss control on hard surfaces and artificial sports surfaces. Will control grass & weeds (including liverwort) also. Fast acting contact action - moss & algae begin to die 1 to 2 days after treatment. Formulated from naturally occurring ingredients.
	5 litre	Application rate: 1 part to 3 parts water

### AlgoClear® Pro Softclean

- A non-aggressive, high purity biocide suitable for cleaning roofs and walls.
- Broad spectrum anti-bacterial disinfectant.
- Targets green/black mould, moss and algae on all exterior hard surfaces.
- It is also used for the maintenance of all ground surfaces, notably tarmac, MUGA, artificial grass and sports surfaces.



#### SUMMER

Dilution rate	1 : 50
Diluted quantity	510 litres
Rough or porous surfaces	4 m <sup>2</sup> /litre = 2040 m <sup>2</sup>
Smooth or non-absorbent surfaces	5 m <sup>2</sup> /litre = 2550 m <sup>2</sup>



#### WINTER

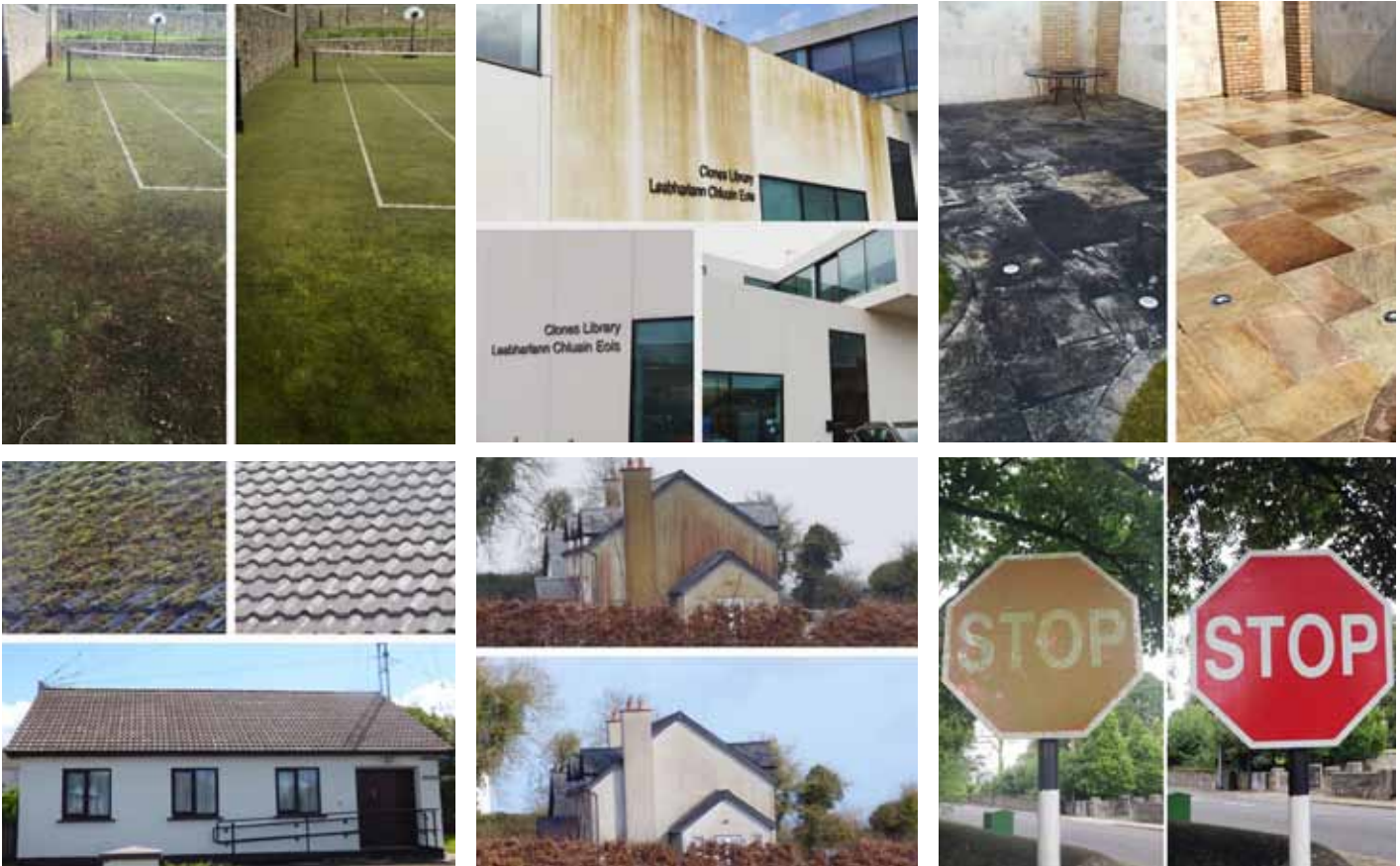
Dilution rate	1 : 40
Diluted quantity	410 litres
Rough or porous surfaces	4 m <sup>2</sup> /litre = 1640 m <sup>2</sup>
Smooth or non-absorbent surfaces	5 m <sup>2</sup> /litre = 2050 m <sup>2</sup>



#### KNAPSACK RATE Coverage area

1:40 Solution	250ml in 10L Water 40 - 50 m <sup>2</sup>
1:50 Solution	200ml in 10L Water 40 - 50 m <sup>2</sup>





<b>MetaClear</b>	5 litre	A non-penetrating gel formulated for removing black discolouration from render and masonry without impregnation. Brush on and rinse, the gel is fast acting and low odour.
<b>OxiClear</b>	5 litre	A non-penetrating brush applied gel for removing metal oxidation marks - iron, copper, lead etc. - roofing materials and porous surfaces. OxiClear will also work on non-porous surfaces such as GRP, UPVC glass.
<b>GraffitiClear</b>	5 litre	Removes all types of graffiti. This professional grade formulation can be used on porous and non-porous surfaces.
<b>HydroClear</b>	5 litre	A high performance, deep penetrating sealer for porous brick, stone, render and concrete surfaces. This unique formula gives long lasting protection against water penetration and damage combined with exceptional breathability. UV resistant.
<b>OleoClear</b>	5 litre	An ultra-effective degreaser, removing grease, grime and oil etc. from hard surfaces. A superb neutraliser and wash-down solution, its low hazard formulation makes it very safe to use.

### Equipment & Cleaning Guides

Visit: <http://softwashireland.ie/equipment.php>





## SAFETY & SPRAYING CLOTHING

<b>SPRAY SUITS</b>	CHEMTEX one-piece suit with hood and zip covered by double press stud flap.	size: M-XL
	TYVEK white Disposable one piece with hood.	size: M - XL
	FLEXOTHANE one-piece spraysuit. Light weight and comfortable to wear.	size: M - XL
<b>CHEMICAL GLOVES</b>	NITRILE gauntlets. Resistant to chemicals, oil, grease and solvents.	
	LATEX gloves disposable. 100 / box.	
<b>CHEMICAL GOGGLES</b>	Chemical resistant with indirect vents.	
<b>RESPIRATOR</b>	Silicone rubber mask with replacement cartridges. Complete with pre filter. Protects against organic vapours, dust and fumes.	
<b>BROW GUARD &amp; VISOR</b>	Provides eye protection while strimming or filling spray tanks. Available in clear polycarbonate & wire mesh replaceable visor.	
<b>GOGGLES</b>	Directly ventilated general purpose goggle.	
<b>GLASSES</b>	Clear polycarbonate with side protection.	
<b>DUST MASK</b>	3M nuisance dust mask. Disposable not suitable for spraying.	Box 20
<b>EAR PLUG</b>	Disposable foam ear plug.	Box 250
<b>EARMUFFS</b>	Peltor H7. Comfortable over long periods, provides excellent attenuation. Can be worn with or without safety helmet.	
<b>HELMET</b>	Moulded lightweight shell, adjustable headband. Accessories ear muffs & visor can be attached.	
<b>GLOVES</b>	Polyflex Plus lightweight work gloves. Leather freezer fleece lined work gloves.	
<b>FOOTWEAR</b>	Steel toe cap work boots. Heat, oil and acid resistant smooth sole that won't mark greens. Very comfortable.	size 6 - 12.
<b>WORKWEAR</b>	SNICKERS HIGH QUALITY WORKWEAR Ask for colour catalogue.	





# RAINWEAR

**FLEXOTHANE IS A SUPER NEW HIGH - TECH FABRIC WHICH WILL SATISFY THE PERFORMANCE DEMANDS OF THE MOST DISCERNING WEARER. FLEXOTHANE ENSURES YOUR PERSONAL COMFORT AND YOUR PROTECTION FROM SNOW, WIND AND RAIN.**

**FLEXOTHANE RAINWEAR** is 100% water-proof coupled with a degree of air permeability, any build up of condensation inside the garment is quickly dissipated by the unique knitted backing of the fabric. All garments are sealed by H.F. welding to ensure no water penetration.

## FLEXOTHANE

- is virtually noiseless in action and its built in stretch factor enables the garment to move with every demand of the wearer.
- is soft yet tough, its high-tech strength and performance ensure smooth action even in low temperatures.
- is oil resistant and is impregnated with a powerful deodorant to fight off any body odour built up or fungi growth in the fabric.
- retains its high-tech performance through repeated washings.

Available in sizes: M - XXL. Colour: Navy

## FLEXOTHANE LINED JACKET

Removable fleecy lining makes this jacket ideal for both winter and summer wear. Features a lined hood with draw string, strong zip and stud fastening. It also has 2 pockets.



## FLEXOTHANE QUILTED JACKET

Rainproof flexothane on the outside and a warm quilted lining makes this the ideal winter rainwear. Foldaway Hood plus two pockets, zip & stud fastening. Knitted cuffs.



## FLEXOTHANE TROUSERS

Elasticated waist and stud fastening at the leg ends.



## FLEXOTHANE QUILTED BOILERSUIT

This rainproof suit will keep you warm all over when working on machines on cold winter days. Zip and stud fastening.



## SEPP JACKET FLEECE AND OVER TROUSERS

### SEPP 3-in-1



A range of high spec raingear from the manufacturers of flexothane. Siopor material protected by Teflon to give extreme protection. Jacket has a foldaway hood. A fleece jacket can be attached inside for extra warmth in winter.



## SEPP TROUSERS

Rain Trousers are lined, with side pockets and Velcro fastening at the leg ends.



# SPRAYERS

## solo

**SOLO CLASSIC:** Powerful high pressure backpack sprayers ergonomically designed for comfort and to avoid back strain. Rugged construction and very simple maintenance mean a long, reliable life.

**475D - 15 litre Classic**



**473D - 10 litre Classic**



**SOLO COMFORT:** Key features of the SOLO Comfort backpack sprayers include adjustable pump levers, VITON® seals, a handle with integral spray wand retainer and wide shoulder straps.

**475 - 15 litre Comfort**



**435 - 20 litre Comfort**



**SOLO 425 - 15 litre Pro**



**SOLO PRO: The 425 PRO** is the highly professional tool within the category of backpack sprayers. It is stable, durable and low maintenance, even over long periods in use. It comes with highly resistant VITON® seals for applying aggressive substances.



### SOLO Hand held Sprayers:

**456 - 5 litre**



**457 - 7.5 litre**



**SOLO Battery Powered Sprayers:** Equipped with a comfortable padded backpack support frame with wide shoulder straps that are also padded. Once the battery has run out, the charger supplied takes just a few hours to recharge the unit.

**416- 20 litre**



### SOLO Optional extras

- Spray Boom - 3 nozzle.
- Lance Extension - 50 & 100 cm lengths.
- Pressure Gauge.
- Spray Guard.
- Flat fan & cone spray nozzles.

# BATTERY OPERATED SPRAYERS



## EvenSprey Club



- This is a battery powered, pedestrian operated spray machine with a 25L tank ideal for smaller greens.
- The storage clip folds away for easy transportation.
- 25 litre-tank with 20cm lid and filter.
- Anti-flip tank stops.
- 1500mm wide single independent spray boom.
- Storage clip for the spray boom.
- Rechargeable 9 amp/hr 12v battery.
- Ergonomically designed handlebars.
- Improved filter system.

## EvenSprey Pro



- This is a battery powered, pedestrian operated spray machine with a 50L tank ideal for larger or multiple greens. The spray boom can be folded in three so it can fit through a standard sized doorway and the spray head has individual isolation functionality so as not to waste any product on the smaller, narrower areas.
- The return to tank agitator ensures product is always mixed and does not settle at the bottom of the tank. NB: never use this function to mix the product –always pour pre-mixed product into the spray tank so as not to damage the sprayer.
- 2 metre spray-boom with a 2.5 metre spray width.
- 50 litre tank.
- 5 spray nozzles.
- 3 quick change nozzle heads.
- Spray head isolator function.
- Multi nozzle spray heads.
- Return to tank agitator.
- Folding boom.

## Spray Lance



- Ideal for spot treatment of weeds and/or disease in turf.
- Increases the versatility of your line marking machine.
- Easy to install.

## SPREADERS

### Earthway Ev-N-Spred 2600A Plus

10" pneumatic wheels. Super duty gear box. 15Kg hopper.



### Accupro 2000 Rotary Spreader

Rotary Spreader with fibreglass shell and pneumatic tyres. Exclusive helical cone provides balanced spread pattern with uniform distribution of product.

Spread width: 2 - 6 metres  
Hopper Capacity: 42 litres (25 kg)



### SS-2 Drop Spreader

36" drop seeder, best suited for high precision applications.

Spread width 0.91 metres  
Hopper capacity 46 litres



### Drop Spreader Gandy

GANDY- world-wide leader in precision spreading technology.

Precision drop spreader for seed and fertiliser. 13" pneumatic tyres. Calibration chart available for seed and fertiliser. Includes spread plate as standard which improves distribution and acts as a windshield during windy conditions.



## WHEELBARROWS



### TK100

5cu.ft. (100ltr) Barrow with pumped 16"x4" needle bearing wheel. Reinforced polypropylene tray. One piece, undrilled frame with tray brace, solid steel feet. Dark Green Polypropylene.



### RMB SITEBLAZER

Stainless steel frame for increased longevity. Reinforced Yellow Polypropylene tray. Pumped 16"x4" needle bearing wheel. 100ltr capacity.

## TOOLS

<b>BULLDOG , TRUE TEMPER &amp; FELCO TOOLS</b>	<b>Designed to withstand the rigours of everyday use and to give years of trouble free service. These robust, tried and tested ranges include:</b>
SPADES	Available in both open and solid socket, Long or T handle.
DIGGING FORKS	Fully forged solid sockets for extra strength, long or T handle.
SHOVELS	Open socket quality shovels, choice of 4', 4'6" or T handle. Pointed, Round mouth and square available.
MANURE FORKS	Long or T handle.
GRAIN SHOVELS	Long or T handle, Aluminium or non corrode Cicolac dish.
EDGING SHEARS	
HEDGE SHEARS	
LOPPERS	27" & 19" Wooden handle or 26" Aluminium handle.
BOW SAWS	21", 24", 30" Saws. Replacement blades available.
ALUMINIUM HOLLOW CORE SHOVELS	Flat shovel with stainless steel reinforced leading edge (45cm x 45cm) is ideal for clearing hollow cores from golf greens as well as general debris in landscaping. Long wooden handle.
HOES	
HAND FORKS	
BULB PLANTERS	
SECATEURS	Felco tools. Replacement blades & springs available.



## RAKES

Spring tine and Polypropylene leaf rakes.





### CHELWOOD

A range of specially designed rakes for landscaping, construction of greens and tees. Bunker, leaf and grass rakes are also included.

#### Polypropylene Rakes

<b>NO. 16 P</b> 	25" wide, 16 teeth.  Use on soil, gravel, grass and leaves. Also useful for bunkers.	<b>NO. 32 P</b> 	25" wide, 32 teeth.  Self cleaning leaf and grass rake with back supports to allow debris to build up on the rake.
<b>NO. 24 P</b> 	1 metre rake. 1/3 wider than 16 P	<b>NO. 48 P</b> 	1 metre rake. 1/3 wider than 32 P

#### Steel Rakes

<b>NO. 18 E</b> 	28" wide, 18 teeth. 1.5 " gap between teeth.  Backedge for grading and levelling.	<b>NO. 18 S</b> 	28" wide, 18 teeth. 1.5 " gap between teeth.  Ideal for hard packed soil.
<b>NO. 18 L</b> 	28" wide, 18 teeth. 1.5 " gap between teeth.  Long teeth for grass, leaves and loose earth. Ideal for cleaning up after pruning and tree surgery. Self-cleaning.	<b>NO. 18 K</b> 	22" wide, 18 teeth. 1" gap between teeth.  Suitable for all purposes. A short backward push cleans rake of wet leaves, grass, rubbish, etc.

## LINE MARKING EQUIPMENT



**TXE 353 / 606**  
Battery Powered  
Line marking  
Machine

The 25L 'tip to empty' tank can be easily drained and cleaned.

TXE 606, equipped with an 18 amp/hr battery  
(5 hours on one charge, enough for up to 15 football pitches)

TXE 353, equipped with a 7 amp/hr battery  
(2 hours on one charge, enough for up to 6 football pitches)

25 litre tank (enough for up to 3 football pitches) Line widths from 1" to 5" (2.5 cm to 13 cm)

No noise or pollution

Easy to use handlebar-mounted controls

Fold-over handlebars for easy transport and storage

The unit is easy to push over rough ground. Unparalleled performance and ease of operation.



## LINE MARKING EQUIPMENT

**TXE 353/606 Pro**  
Battery Powered  
Line marking Machine



In addition to the above, the Pro has an enhanced design for improved performance and greater control. These models come complete with a factory fitted flush tank and back-to-tank facility. 2.5 litre flush tank uses clean water to flush liquid, pump, spray lines and spray head.

No need to empty tank between jobs or sites.

Prevents build-up of residues to help prolong the working life of the machine.

Back-to-tank system enables pressure at spray nozzle to be adjusted to suit conditions.

Back-to-tank system also agitates liquid in the main tank to help deliver consistent line colour.

**TXE 25**  
(Tank free system)



The Supaturf line marking machine is robust, efficient and effortless to operate.

It comes complete with 2 x 12.5 litre drums. The first, equipped with dilution marking guides, is for marking liquid, while the second one is for clean water to flush the system once you have finished marking.

The simple to use marker guides at the front of the machine can be easily adjusted from 50mm to 120mm.

- Ideal for use with Supaturf Ready-to-Use and Supaturf Artificial surface line marking paints
- Robust, perfectly balanced and effortless to operate
- Easy to use marking guides
- Easy-flush system makes cleaning and maintenance simple

Contractors and Councils will warm to the convenience of the TFS system, which is built on Vitax Supaturf's tried and trusted components and the designs of previous machines.

**BRITELINER 400**



The original Box Marker, tried and trusted by groundsmen, the Supaturf Briteliner 400 box marker is still available to those who prefer traditional line marking methods.

Simple but effective line marking.

Hollow transfer wheel allows user to increase or decrease weight to preference.

Liquid tank built from rugged steel plate.

Equipped with large pneumatic tyres for extra stability and ease of use.

Height adjustable handle in tubular steel.

Choice of marking wheel widths (3", 4" and 5")

In-built facility to aid accurate circle marking.

**BRITELINER ARROW**



The Briteliner Arrow, a revolutionary transfer-wheel marking machine, features a series of design enhancements which improve performance and usability.

Developed as the successor to the original box markers, the Briteliner Arrow is lighter, tougher, easier to clean and more accurate. Once set, the Arrow will produce the same quality of line time after time. It is the ideal choice of machine when budgets are restricted, but is also the perfect tool for creating stand-out lines for big games at major venues.

Longer wheel base and better weight distribution for consistent and accurate straight line marking.

Adjustable transfer wheel to achieve required line definition.

In-built facility to ensure easy and accurate circle marking.

On-board brush for penalty and centre circle spot marking.

Streamlined tank moulded from ultra-strong plastic holds enough liquid to mark out three football pitches.

Tip-tank feature makes after-use cleaning easy and allows unused marking liquid to be saved.

Tank is easily removed for thorough cleaning.

Triple coated steel tube frame.

Light weight means it can be easily operated and lifted by one person.

Range of wheel width options available (3", 4" and 5")

### SUPA STADIA WHITE LINEMARKING PAINT

SupaStadia delivers superior performance for professional users.

- It produces excellent whiteness and has the stamina to outperform alternative products.
- Superb results for professional venues.
- Outstanding whiteness and longevity.
- Good shelf-life stability.

Dilute @ up to 1:8 with water.

Available in White



12.5L drum.

### BRITELINE PAINT

Specially formulated for use with transfer wheel (box type) marking machines such as the Supaturf Briteliner 400.

Formulated with special binders that ensure it adheres to the grass leaf to provide superior performance over conventional whitening powders. Use neat for best effect, but can be diluted at 1:3.

12.5L drum.



### STADIA PAINT

Available in Red, Yellow, Blue, Green, Black. Apply with TXE spray marker or brush or roller.

Dilution rates: General usage - 1:4

Heavy coverage - 1:1

Stencil coverage - 1:2

12.5L drum.



### SINGLE WHEEL AEROSOL APPLICATOR

Also available in double wheel version.



### AEROSOL SPRAY PAINT

Line marking spray paint, available white, blue, red and yellow. Safe to use on grass.

750ml cans

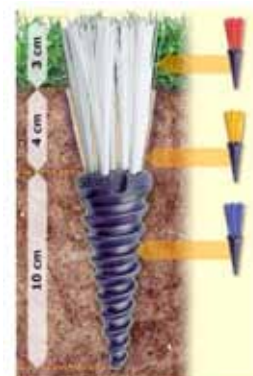


PLiFix synthetic grass tuft implants are a safe and permanent ground line making system.

They are used to mark out playing fields, ensure the exactness of dimensions and facilitate the marking of lines.

PLiFix markers transform the chore of marking out into a simple and quick operation. No more need to run from one end of the pitch to the other. Just stretch the twine between PLiFix Permanent markers.

Available in white, red, yellow and blue.







## HOSES & SPRINKLERS

<b>TRICOFLEX YELLOW HOSE</b>	Professional quality hose. Extra tough, yet extra supple. High burst pressure rating. Flexible, even in winter use. 1/2 " x 25 m 1/2 " x 50 m 3/4 " x 25 m 3/4 " x 50 m
<b>GEKA BRASS CONNECTORS</b>	1/2 ", 3/4 ", and 1" fittings.
<b>SPRINKLERS</b>	3600 Wheeled Tripod.

## TREE & SHRUB PROTECTION

<b>Spiral Tree Guards</b>	Protects young trees against rodents sheep and deer. Available in 45cm, 60 cm and 75cm.
<b>Tree Shelters</b>	Polypropylene shelters for enhanced tree protection. Various sizes available.
<b>Plastic Mesh Tree Guards</b>	High quality tree protection against vermin. Also suitable for shrubs and large plants.
<b>Tree Stakes</b>	Available in various sizes to suit all tree guard types.
<b>Bamboo Canes</b>	Available to suit spiral tree and mesh guards.
<b>Tree Straps</b>	Reinforced tree strapping available in 50 m rolls 38 & 50 mm wide. Regular and block spacers to suit.
<b>Buckle ties</b>	Black heavy duty PVC tree tie with buckle and spacer. Available in 15", 18" & 24" lengths.
<b>Super Soft Tree Ties</b>	Soft rubber moulded tree strap that stretches as the tree grows. Available in 30 & 30 cm lengths.

## GROUND COVER / WINDBREAK / CROP PROTECTION

<b>Grass Germination Sheet</b>	10.5 m x 250 m	Heavy duty germination sheet. Protects from wind, birds, frost and scorching. Helps retain good ground moisture.
<b>Croptex Ground cover</b>	1 m x 50 m/100m 2 m x 50 m/100m 3.25 m x 50 m 4 m x 100 m 5 m x 100 m	Heavy duty woven UV stabilised ground cover used to suppress weed germination.
<b>Weed Guard</b>	2.25 m x 50 m	Heavy duty landscape fabric. Very handy for use on shrub beds. Cuts neatly.
<b>Fleece</b>	2 m x 50 m 2 m x 250 m	Fleece cover gives protection against frost, cold wind and vermin on newly sown areas. Speeds up germination as well as protecting delicate seedlings.
<b>Wind Break</b>	1 m x 50 m 1.2 m x 50 m 2 m x 50 m	A range of heavy duty monofilament windbreak netting.
<b>Pegs</b>	Box of 1000	To fix sheeting and sods.

# BUNKER REPAIR AND CONSTRUCTION

## Capillary Concrete can reduce your golf course maintenance costs



Capillary Concrete is the only liner base that moves water in 2 directions.

Through capillary action, water can be drained through a bunker, or pushed up through the ground allowing for the perfect sand conditions year round.

It drains perfectly and maintains the bunker sand at an ideal moisture level.

Eliminates wash outs, flooding, soil contamination, plugged ball lies and other bunker maintenance & playability problems.

### Cropcare offers two options for installation of Capillary Concrete®

#### In-House construction:

The patented Ad-mix is supplied in 25kg bags, to mix onsite with approved 10mm aggregate.

#### Outside Contractor:

Our fully trained contractors can quote to do a complete job. This gives a **Certified and Insured Installation with a performance guarantee.**



Clean-out Bunker



Verify Drainage



Spread Capillary Concrete at 2 inches (50mm) uniform thickness



Optional forming of Capillary Bunker Edge



Allow to cure for six hours



Optional installation of Capillary Bunker Edge



Optional drip-line irrigation installation on steep, dry faces. Drip-line irrigation is a US Patent a No. 13/822,799



Install sand and get back to play





# SNOW AND ICE MANAGEMENT

## Eco Ice Melt



15kg bag

### Pallet sizes:

80 x 15kg; 50 x 15kg; 40 x 15kg

Biodegradable natural de-icer containing premium marine grade salt, liquid de-icer & corrosion inhibitor.

- Effective
- Spreadable
- Environmentally safe
- Minimal residue

Increased performance, works down to -20°C, so use less, save more.

Up to 80% less corrosion than salt.

Apply up to 40% less product than salt.

More spreadable than salt 30-40% improved spread rates.

### To remove ice:

Spread sparingly over area.

### To prevent ice forming:

Apply before the onset of ice or snow.

### To remove light snow:

Brush away excess snow before spreading.

Application rate: from 15g/m<sup>2</sup>

Learn more at [www.icemelt.ie](http://www.icemelt.ie)

## Eco Ice Melt Liquid



20 & 200litre

Melts ice and snow on car parks, driveways, pathways, steps, gangways and environmentally sensitive areas.

- More effective than salt.
- Longer lasting, lasts up to 3 days.
- Up to 80% less corrosive than salt.
- No residue - reduces footfall damage to interiors.

### To remove ice:

Spray over ice cover @ 20ml/m<sup>2</sup>\*

### To remove snow:

Spray over snow cover @ 30ml/m<sup>2</sup>

### To prevent ice forming:

Spray over area @ 20ml/m<sup>2</sup>\*

### To prevent snow settling:

Spray over area @ 10ml/m<sup>2</sup>

Re-apply when new accumulation shows first tendency to bond.

\* In extreme temperatures (lower than -50°C) higher rates may be necessary.

## Surefoot Liquid

20 & 1000litre

Potassium Acetate liquid based de-icer and anti-icer offering very low levels of corrosion. Completely chloride free, it is particularly suited to anti icing applications in sensitive areas. Available as a ready to use liquid.

### To prevent ice forming:

Spray over area @ 10-20ml/m<sup>2</sup>

## CMA Granule

25kg

High quality de-icer without the risk of negative environmental impact or infrastructure damage associated with chlorides and urea. For use on artificial pitches, bridges platforms and car parks.

Application rate: 15-30g/m<sup>2</sup>

## De-icing Salt

25kg

Premium grade Snow White de-icing salt.

High quality, free flowing, white de-icing salt.

Complies with BS3247:2011 specification for salt spreading for winter maintenance.

Contains anti-caking agent.

Lower moisture content will make spreading easier and effective application rates lower.





## Salt and Ice Melt Spreaders



### MONT BLANC

Mont Blanc Spreader's professional construction treats up to 1,000 m<sup>2</sup> with a full hopper. The spread width is up to 4.5 m and the hopper capacity is 40 kg. This manually pushed spreader is suitable for roads, larger business premises and supermarket parking lots.

Wheel driven spreading mechanism with a metal oil-filled gearbox.

Recommendation: towns and business premises over 2,000 m<sup>2</sup>



### MATTERHORN

The manually pushed Matterhorn spreader manages to treat up to 625 m<sup>2</sup> with full hopper. The spread width is approx. 3 m. Wheel driven spreading mechanism with a simple mechanical transmission made of stainless steel.

Recommendation: households, petrol stations and business premises to 2,000 m<sup>2</sup>



### OLYMPUS

Olympus Spreader is a drop spreader with robust professional construction for spreading at exactly 70 cm width.

Recommendation: municipalities, professional use.



### Everest Spreader

The spreader is equipped with a 150 kg capacity hopper. The weight of an empty spreader is 65 kg.

With full hopper, it is capable of treating 6,000 m<sup>2</sup>.

Recommendation: medium-size business premises and parking lot treatment.



### Fuji Spreader

The Fuji spreader is supplied with the addition of reflective plates and other safety elements which enables the spreaders operation on public roads.

The spreader has a very high performance and is provided with technical certification.

With full hopper, it treats up to 10,000 m<sup>2</sup>.

The electrical installation is connected into the vehicle socket.

Recommendation: medium-size business premises, parking lot treatment and public roads.

## Snow Shovels

Aluminium



BustR  
Polypropylene

Aluminium Snow Shovel with stainless steel reinforced leading edge (45cm x 45cm) is ideal for clearing heavy snow off paths, playgrounds, fields and more. Wooden handle, long.

18" wide heavy-duty poly blade with extra-large wear strip.  
55" overall length.

Steel handle with cushion grip and ergonomic D grip.

## WASTE WATER TREATMENT

Wash-down Water Recycling System from Clear water installed at your wash pad. Underground tanks and silent operation make this system suitable for almost any location. Conforms to EU regulations on waste water discharge.

For more info see: <http://cropcare.ie/wash-bays/>



## FERTIMIXER

**Petrol driven mixer for mixing and storing soluble fertilisers**



### Easier solution for mixing solubles.

1350 litre capacity.  
Mix rate of 600 litre/minute.  
Will mix large quantity of soluble fertiliser at one time.  
Can be used as a store for mixes rather than leaving in sprayer overnight.

Pump can also be used to pump out any flooded areas on golf course.

All connections on quick release cam lock system.  
Can be stationary or mobile on a trailer.  
Health and safety compliant.  
Developed due to demand from greenkeepers to find an easier solution to mix solubles.

Huge time and labour saving which is all important when there are weather or traffic time constraints.

Will allow more specific fertiliser mixes.  
Will save money versus buying low concentrate liquid fertilisers.

Saves on transport and packaging.  
Available with a Koshin Agromate thermoplastic petrol pump or a Pedrollo electric pump.

## AGRONOMY SERVICES

Soil Analysis	Tissue Analysis	Water Analysis
<ul style="list-style-type: none"> <li>Nutrient, CEC &amp; pH</li> <li>Organic Matter</li> </ul>	<ul style="list-style-type: none"> <li>N P K + Trace elements in leaf</li> </ul>	<ul style="list-style-type: none"> <li>Transport Ultra Test for Spray tank water.</li> <li>Water quality test for irrigation</li> </ul>
Nutrient Programmes	Grass seed selection	Water management advice
Weed Control- Herbicide recommendations	Goalmouth repair	Line marking training

## MISCELLANEOUS

<b>Pesticide Application Log book</b>	Keep records of all operations involving the use of pesticides.
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WE SUPPLY A RANGE OF COURSE ACCESSORIES WITH BOTH  
UK AND USA FLAGPOLES



Please ask for a brochure



## SUPPLY PARTNERS



## PARTNERSHIP WITH PROFESSIONAL BODIES



GCSAI EDUCATION PARTNER

CropCare





# CropCare

Cropcare is a leading supplier to the amenity and landscape industry. It provides a range of specialist fertilizers, grass seed, chemicals, protective workwear, line-marking equipment, coupled with a consultative backup.

Cropcare prides itself on its comprehensive product range, excellent service and technical backup.

Cropcare's philosophy is to prosper from helping our customers achieve their full potential.



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