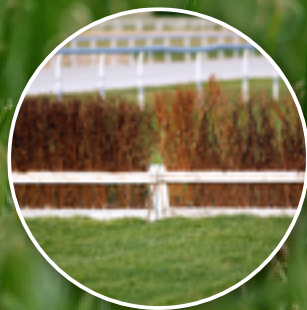


CropCare

PRODUCTS & SERVICES



Supplying **excellence** to the **fine turf** and **sports field** industry

www.cropcare.ie



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Agronomy Services

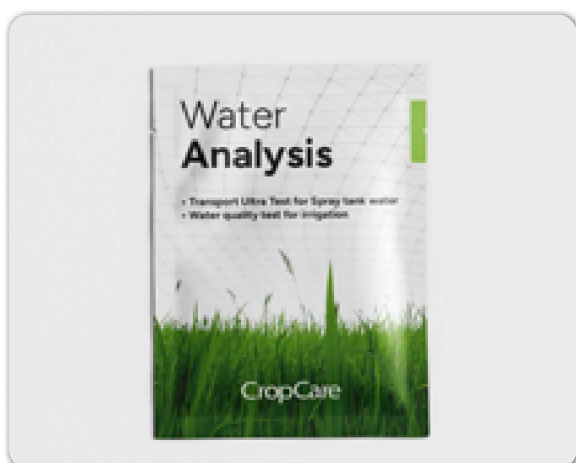


Soil Analysis

Optimise turf performance and take the guesswork out of turf management with a comprehensive soil analysis. Testing provides a reliable foundation for informed decision-making by identifying precise levels of key macro and micronutrients, organic matter content, and overall pH balance. This data supports effective fertiliser planning, improved nutrient efficiency, and long-term soil health, helping you maintain stronger, more resilient turf surfaces.

Plant Tissue Analysis

Tissue sampling provides a precise snapshot of turf nutrient status at a specific point in time. It helps confirm suspected deficiencies and track nutrient levels throughout the growing season, ensuring that soil fertility and fertiliser programmes are meeting the plant's needs. Tissue analysis also supports early detection of nutrient imbalances or stress factors, helping turf managers maintain optimal plant health and consistent surface quality.



Water Analysis

Water analysis helps ensure the quality of water used for both spray applications and irrigation. Assess factors that may affect chemical performance and plant safety. Irrigation water testing also identifies potential issues with salinity, pH, and mineral content, allowing you to protect your turf, optimise inputs, and maintain long-term soil health.



01 Plant Nutrition

Fertilisers: Fine Turf

For use in all fine turf, golf and bowling greens

Greentec Conventional

The Greentec fertiliser range offer a variety of nitrogen sources in a micro-granule formulation. Each analysis have been carefully formulated to produce a solution to match climatic conditions turf managers are facing.

For use in cooler temperatures, ammonium sulphate and potassium nitrate are incorporated into the formulation, whereas urea and methylene urea are selected for the products more suited to warmer conditions. The Greentec range offers a comprehensive choice when selecting a fertiliser for an application.

Greentec 6-5-18+MgO+4Fe

Ammonium & nitrate nitrogen for rapid response in cool temperatures. Iron & magnesium for enhanced colour. Supplies all primary & secondary nutrients – N, P, K, Ca, Mg & S Excellent for use as a spring starter.

Application rate: 25-35g/m²



20kg



20kg

Greentec 14-2-7 + 1.6MgO

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/m²



20kg

Greentec 13-3-13+MgO

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/m²



20kg

Greentec Mosskiller Pro 4-0-4 + 9Fe

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/m²



20kg

Cold Start 11-5-5+8 Fe+ 7CaO+0.8MgO

True cold starter containing three sources of nitrogen with a mineral compound mini granule.

Application rate: 25-35g/m²

C-Complex Organic Mineral Fertiliser

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



20kg

C - Complex 7-0-7

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/m²



20kg

C - Complex 5-2-10

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/m²



20kg

C - Complex 4-3-4

Ammonium nitrogen for low temperature release. 9% humic acid, 100% of potassium in organic slow release form.

Application rate: 35-50g/m²



Fertilisers: Outfield

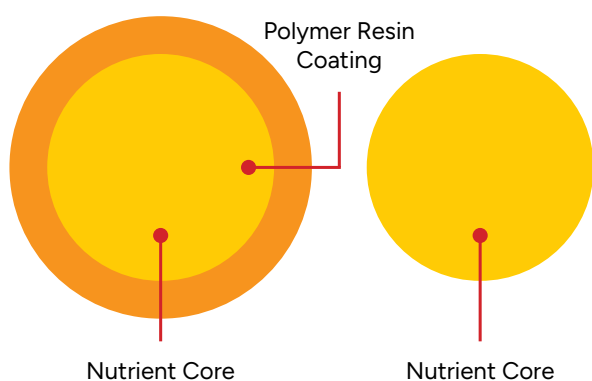
For use on golf courses, sports pitches, race courses and general amenity turf

Controlled Release

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.

Multigreen Granule Fast Start Granule



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.

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.



25kg

Multigreen 28-3-15 +2MgO

A well balanced 5-6 month fertiliser for use on all outfield areas cut above 10mm used as a Spring/Summer

Application rate: 25-35g/m²



25kg

Multigreen 28-0-0 +3MgO

5-6 month controlled release nitrogen fertiliser, containing sulphur, for use on all outfield areas cut above 10mm as a Spring/Summer.

Application rate: 25-35g/m²



25kg

Multigreen 15-5-12

A controlled release fertiliser released over 5-6 months. For use on all outfield areas mown above 10mm as an Autumn/Winter feed.

Application rate: 25-35g/m²



25kg

Multigreen 15-0-22

Controlled release potassium nitrate based fertiliser. Ideal for pitches, tees & fairways above 10mm cutting height. Longevity 5-6 months. Used in Autumn/Winter.

Application rate: 25-35g/m²

Protec Bio Range

Our Protec Bio range of Organo-mineral fertilisers have been developed specially for the lawn care industry with each granule containing plant-based material together with mineral NPK and micro-nutrients. These formulations provide a product with little or no odour (being plant based) and a granule with uniform, dust free characteristics.

(Granular Size: 1-3mm)



Protec Bio 16-3-7 + 2MgO + 0.5 Fe

(4.8% ammoniacal, 9.2% ureic & 2% organic (27% plant based organic))

20kg

Application rate: 25-35g/m²



Protec Bio 15-0-12 + 2MgO + Seaweed

2% ammoniacal, 11% ureic & 2% organic (29% plant based organic)

20kg

Application rate: 25-35g/m²



Protec Bio 7-2-10

(2% ammoniacal, 3% ureic & 2% organic (27% plant based organic))

20kg

Application rate: 25-35g/m²

Key Benefits & Product Details

- **Organic Base** Plant based organic nitrogen
- **Fast Response** Mineral component provides a quick turf response
- **Dust Free Formulation** Clean, dust free granulation
- **Uniform Granulation** Each granule is consistent in size and spherical
- **Effective Applications** Provides cost effective and efficient results

H-Cote

H-Cote is a range of mini-granular, SGN150 formulation (1.5mm) controlled release fertilisers formulated to release over a 3-4 month period, containing a balance of controlled and conventional release with a minimal risk of excess growth.

H-Cote will consistently release over a 3-4 month period and the granulation allows lower application rates of down to 20g/m². The release mechanism is triggered by temperature and can be used across multiple playing surfaces and amenity areas. Gentle, sustained release with minimal risk of flushing or excessive growth.

Areas of use: Tees, fairways, approaches, sports pitches, racecourses and amenity areas



22-3-8 + 0.7Fe + 0.8MgO

91% Coated N, 2% Ammoniacal, 20.5% Ureic

3-4 month release period

20kg

Application rate: 15-35g/m²



15-5-12 + 1Fe + 1MgO

81% Coated N, 2.7% Ammoniacal, 12.3% Ureic

3-4 month release period

20kg

Application rate: 15-35g/m²



10-5-14 + 1.2Fe + 1.2MgO

70% Coated N, 3% Ammoniacal, 7% Ureic

3-4 month release period

20kg

Application rate: 15-35g/m²



22-3-10 + 3.5CaO + 4MgO

66% Coated N, 5.3% Ammoniacal, 2.3% Ureic

2-3 month release period

20kg

Application rate: 15-35g/m²



16-4-13 + 4.5CaO + 1.8MgO

40% Coated N, 6.7% Ammoniacal, 2.9% Ureic

3-4 month release period

20kg

Application rate: 15-35g/m²

Xtend CRF

Xtend CRF is a unique fertiliser range that combines two advanced fertiliser technologies for a true controlled release of nutrients. This revolutionary range offers superior nutrient efficiency, enhanced environmental sustainability, and consistent turf performance across all seasons.

A temperature-released coating technology that reflects the plant's requirement for nitrogen. It differs from other products on the market as it is less affected by moisture-primed release, and its flexible structure offers a more consistent delivery of nitrogen and protects the nutrient core.

The Xtend CRF range includes four specialised formulations tailored for different turf requirements:



Xtend CRF 20-5-10

Quick turf response, steady, controlled nutrient release
Spring & Summer: promotes strong growth during peak season

20kg

Application rate: 25-35g/m²



Xtend CRF 12-20-12

Contains Crystal Green & Phosphoactive Enhanced phosphate availability for rooting seeding/ establishment for new or established turf needing root development

20kg

Application rate: 20-35g/m²



Xtend CRF 15-2-20

High potassium for stress tolerance while building density and resilience.
In autumn it strengthens turf for winter and supports early spring recovery

20kg

Application rate: 25-35g/m²



Xtend CRF 25-0-0

High-nitrogen, slow and safe release. Strong colour response even in stress periods such as summer stress periods. Boosts colour and growth without burn risk

20kg

Application rate: 25-35g/m²

Product	Pack Size	Granule Size	Nitrogen						Nutrient Breakdown					Nutrient Lvl's Applied			Bag Coverage	
			Tot. N	CRN %	N-N O3	N-N H4	N-U rea	Org- anic N	Tot. P	Tot. K	MgO	CaO	Fe	Applic. Rate	N	P		K
Xtend CRF 20-5-10	20kg	1-2mm	20	60	3	0.8	16.2		5	10	3	10		20g/m ²	40	10	20	1000m ²
														25g/m ²	50	12.5	25	800m ²
														30g/m ²	60	15	30	667m ²
														35g/m ²	70	17.5	35	571m ²
Xtend CRF 12-20-12	20kg	1-2mm	12	50		1.7	8.4	1.G	20	12	6	3		20g/m ²	24	40	24	1000m ²
														25g/m ²	30	50	30	800m ²
														30g/m ²	36	60	36	667m ²
														35g/m ²	42	70	42	571m ²
Xtend CRF 15-2-20	20kg	1-2mm	15	75		1.6	13.4		2	20	6	2	2	20g/m ²	30	4	40	1000m ²
														25g/m ²	37.5	5	50	800m ²
														30g/m ²	45	6	60	667m ²
														35g/m ²	52.5	7	70	571m ²
Xtend CRF 25-0-0	20kg	1-2mm	25	80			25							20g/m ²	50			1000m ²
														25g/m ²	62.5			800m ²
														30g/m ²	75			667m ²
														35g/m ²	87.5			571m ²

Slow Release



Xtend Fine 46-0-0

Slow Release N source for tees and fairways with cutting height above 10mm, lasting for 3 months. Can be spread as granular or applied as a liquid spray.

20kg/ 1t

Application rate: Granular 10-20g m² | Spray 20-40kg/ha



Xtend 24-4-4

A cost effective Spring/ Summer analysis lasting for 2-3 months, for use on all types of outfield turf

20kg

Application rate: 25-35g/m²



Xtend 15-2-20

Ideal for use as a Spring starter. Also suitable for establishment of sportsturf. 2-3 months longevity.

20kg

Application rate: 25-35g/m²



C-Complex Sport 14-2-5

A mineral-organic outfield fertiliser with a homogenous granule. 50% Organic w/ composted cow manure, humic acid, cold processed seaweed meal & slow release potassium.

20kg

Application rate: 25-40g/m²



Greenfert Fertiliser Range

Greenfert Slow Release

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 nitrogen for immediate response and sustained release.

28-6-10 + S + Mg + TE	Application rate: 25-35g/m ²	25kg Bag	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	Application rate: 25-35g/m ²	25kg Bag	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	Application rate: 25-35g/m ²	25kg Bag	Quick recovery particularly in early spring. Greater portion of quick release N.



Fertilisers: Speciality

Xtend 12-20-12 + 3CaO +	Application rate: 30-45g/m ²	20kg	Specialist controlled release fertiliser used as a pre-seeder or an establishment turf fertiliser. Phosphoactive technology improves phosphate availability in soil giving newly seeded areas the best chance to establish.
C-Complex 4-3-4 + 5CaO + 3MgO	Application rate: 40-50g/m ²	25kg	A mini granular seaweed, humic acid and micro nutrient soil amendment on a composted organic base.
Temag Elite Mg: Mn: B: Zn: Mb: Cu: Fe	Application rate: 6-12kg/ha	6kg	Water soluble chelated micronutrient mix containing the plant elicitor Harpin. Ideal tank mix partner to liquid fertiliser regime.
Renovator Pro Weed Feed & Moss Killer	Application rate: 35g/m ²	25kg	A combined weed, feed and moss killer. Ideal for lawns, amenity turf, fairways and sports pitches in Spring/Autumn when weeds and moss are active.
TourTurf Tag Granules 3-1-2 + 4MgO	Size: 1-2mm	20kg	A 100% organic NPK fertiliser. Contains Magnesium (4.2%) and natural wetting agents (15-20%) offering a good 'Green up' effect. Applied in Spring/Autumn
Apex Organo Mineral 4-6-4 + 7CaO + 0.7MgO + 11% Humic		20kg	An organic-based fertiliser used during turf renovations and newly seeded areas. Humic acid content improving soil structure, microbial life and nutrient holding capacity.
NVG	Application rate: 35-50g/m ²	25kg	Naturvigor is a fairway grade soil improver containing composted cow manure and humic acid in granule form.
Greengold		25kg	A clean pre blended mixture of profile porous ceramic, sports sand and compost
SandPro X 70:30 Sand : Profile		25kg	Best suited to sports turf and fine turf surfaces where consistent drainage, structural stability, and long-term rootzone performance are priorities. Used when aerating and topdressing.

Fertilisers: Straight

Sulphate of Iron 19% Fe		20kg	An economical form of iron for moss control.
Sulphate of Ammonia 21-0-0		25kg	A fast acting nitrogen source.
Sulphate of Potash 0-0-50		25kg	A straight source of potassium and sulphur.

Triple Superphosphate 0 -16 - 0		25kg	A straight source of phosphorus. Also available as Triple superphosphate 0 : 46 : 0
Seaweed Meal		25kg	High quality greens grade seaweed meal.
Sulphur 800g/L	Nutrient: 10L/ha pH Adjustment: 70-140L/ha	10L	Liquid sulphur for use as a nutrient or pH adjustment.
Magnesium Sulphate 25% MgO		25kg	Kieserite in granular form for soil application.
Super Mg 80 80% Mg		10L	Liquid formulation of magnesium
Greenfert Granular Iron 12% Fe + 5% MgO	Application rate: 35-50g/m ²	25kg	A Mg + Fe fertiliser giving rapid visual greening up of the sward & turf hardening benefits. High rate of applic. will cause moss to blacken. For use on lawns, tees & greens.

A white golf ball is positioned on a green tee box. A semi-transparent green banner is overlaid across the middle of the image, containing the text '02 Plant Health'.

02 Plant Health

Enhanced Plant Health Products

20-20-30

The 20-20-30 Tankmix from Origin Amenity Solutions is a non-pesticidal strategy designed to prevent Microdochium Patch during the autumn disease window. It combines Turfite Elite, Liquid Turf Hardener, and Seamac Proturf Fe with Mantle and PPT114 in alteration to strengthen the plant and create a leaf surface environment that is less favourable for disease development.

This mix lowers leaf surface pH, reducing spore germination and adhesion, and reinforces the plant's natural defence mechanisms. It improves root and shoot development, strengthens cell walls, & supports chlorophyll production, helping turf enter winter in a hardened and resilient condition.

The Tankmix is most effective when used as part of an integrated disease management approach alongside cultural practices such as dew removal, improved airflow & drainage, balanced nutrition, and microbial soil support. Preventing Microdochium establishment is critical, as once the disease becomes active it is difficult to suppress and often results in prolonged scarring through winter.

The 20-20-30 Tankmix supports disease prevention, plant hardening, and health-driven recovery, helping turf maintain quality & resilience throughout the high risk autumn.



PPT114

Water-soluble micronutrient with Harpin Plant Elicitor. Stimulates plants natural defence mechanisms. Utilises 2 types of iron for improved winter colour. Researched ratio of Mn, Zn and Cu. Tank mixable with fungicides

10kg

Application rate:

Normal: 10kg/ha
Heavy: 20kg h/a



Liquid Turf Hardener

Contains Calcium, Magnesium and Nitrogen to strengthen turf and increase plants ability to withstand stress and improve disease resistance.

10L

Application rate: 20-40L/ha



Seamac Proturf

Liquid iron with micronutrients & seaweed extract.

10 & 200L

Application rate: 20-35L/ha



Turfite Elite 17-20-13

REACH compliant Potassium phosphite based formulation. Contains Salicylic acid plant elicitor. Research proven formulation.

10L

Application rate: 20-40L/ha



Mantle

A water-soluble micronutrient containing Mn, Zn, Mg and Harpin Plant Elicitor. Creates an environment on the plant leaf surface that discourages pathogen growth and stimulates better plant growth.

10kg

Application rate: 20kg/Ha

Fine Turf Liquid Fertilisers

Slow Release



Protec Plus 28-0-0

Liquid slow release nitrogen fertiliser containing 59% slow release nitrogen. Very low scorch risk.

10L & 200L

Application rate: 10-60L/ha



Protec Plus 16-4-8

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.

10L

Application rate: 10-60L/ha



Protec Plus 15-0-12

Provides a balanced supply of N, P & K over the summer months. Contains 4 types of nitrogen to provide consistent nutrient release w/ 28% slow release nitrogen.

10L

Application rate: 25-35g/m²



Xtend Liquid Hi-N 34-0-0

A cost effective slow release nitrogen fertiliser. 50% stabilized N, 50% NH₄⁺ & nitrate nitrogen. Tank mixable w/ selective herbicides for a weed & feed on outfield areas

200L & 1kL

Application rate: 20-40g/m²

Conventional



Protec 10-0-10

A cost effective nitrogen potassium fertiliser with 28% nitrate nitrogen derived from potassium nitrate for excellent low temperature response.

10L & 200L

Application rate: 10-100L/ha



Protec 0-0-25

A high potassium liquid feed used to harden & strengthen turf. Ideal for tank mixing.

10L & 200L

Application rate: 10-40L/ha



Protec 6-0-12

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.

10L & 200L

Application rate: 10-100L/ha



Elevate Fe

Non-staining, complex iron liquid for use on all close and coarse mown turf.

20, 200, 700 & 1kL

Application rate: 20-40L/ha



Why Aquaritin Nano Technology Works

Conventional fertilisers lose 40 -70% of their Nitrogen to the environment. Aquaritin uses nano-sized particles (1-30 nanometres), allowing nutrients to penetrate the leaf within minutes, ensuring superior uptake, less waste, and improved plant health. Most other products are up to 1,000 times larger. Nanotechnology improves the efficiency of inputs and minimizes losses. Nanomaterials offer a wider specific surface area to fertilisers. In addition, nanomaterials as unique carriers of agrochemicals facilitate the site-targeted controlled delivery of nutrients with increased crop protection.

Key Benefits

- Rapid uptake, zero surge growth - Immediate colour response without excessive top growth.
- Better nutrient utilisation - More Nitrogen stays in the plant, less lost to leaching or volatilisation.
- Improved soil health - Enhances moisture retention, CEC, pH balance, and microbial activity.

Why Silicon Matters

Silicon increases photosynthesis, cell wall strength, root mass, and water efficiency. It boosts stress resistance, reducing the need for fungicides and pesticides over time.

Aquaritin delivers bioavailable silicon in a micronised foliar spray and is used on multiple PGA Tour courses. Results include increased turf density, upright growth patterns, better green speeds, and maintained playability throughout the day without lowering the height of cut.

Proven Performance

- In trials, Aquaritin Defend increased green speed by 20.5% after just two fortnightly sprays.
- Strengthens leaf turgidity for a more upright blade, improving mowing quality and surface smoothness.

Cost & Efficiency

- Up to 60x more concentrated than traditional products.
- Enhances the performance of fertilisers, fungicides, and PGRs by up to 30%.
- Reduces overall product usage & handling, with fewer additional fairway applications needed.

Heat & Drought Protection

Silicon helps cool leaves, defends against UV-B, and maintains chlorophyll and light efficiency during drought and heat stress enhancing turf resilience during extreme conditions.



Aquaritin 19

Immediate and lasting color response with improved photosynthesis and plant & root health with just 400ml per hectare.

1 Litre

Application rate: 400ml/ha

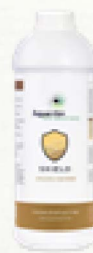


Aquaritin Defend

Aquaritin Defend uses breakthrough nanotechnology to deliver micronized silicon and 12 essential nutrients in a single formulation.

1 Litre

Application rate: 400ml/ha



Aquaritin Shield

Aquaritin Shield's nano-formulation breaks through the thatch layer to deliver nutrition and stimulate the plant's immune system to boost overall health.

1 Litre

Application rate: 400ml/ha



Aquaritin Sparc

With our proprietary nano-scale technology, expect firm playing surfaces, smoothness & trueness, less LDS and less irrigation.

1 Litre

Application rate: 400ml/ha

Fertilisers: Fine Turf Soluble

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 Origin 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.



20kg

NPK 14-5-28 + MgO + Te

This balanced NPK formulation was developed specifically with the needs of superfine bent grasses in mind. Ammonium nitrogen, urea, and nitrogen in nitrate form for optimum uptake.

Application rate: 20-60kg/ha



20kg

XTEND 46-0-0

Slow release N source. Micro-prilled formulation for rapid solubility. Low application rates from 20kg per hectare.

Application rate: 20-40kg/ha



20kg

Hi-K 13-0-45

High K analysis with nitrogen in nitrate form for good low temperature release. Sulphur-free formulation which is ideally suited for use in anaerobic rootzone situations.

Application rate: 20-60kg/ha



20kg

Hi-N 28-7-14 + MgO + Te

Spring & summer Bentgrass soluble fertiliser. Urea, ammonium nitrogen & nitrate nitrogen for low & high temp release. Fully chelated micronutrient package.

Application rate: 20-60kg/ha



20kg

NK 15 - 0 -25 + MgO

High K analysis utilising K-Leaf potassium sulphate and potassium nitrate. Ammonium, nitrate and urea nitrogen for optimum uptake. Acidifying formulation.

Application rate: 20-60kg/ha



20kg

Hi-P 13-40-13 + Te

High phosphate analysis ammonium nitrogen, nitrogen in nitrate form & urea for optimum uptake. Acidifying formulation. Acid buffering agent for enhanced tank-mix compatibility.

Application rate: 20-60kg/ha



20kg

Sulphate of Ammonia 21-0-0

Very soluble nitrogen source. Ammonium nitrogen for uptake at cooler times of the year. Acidifying formulation.

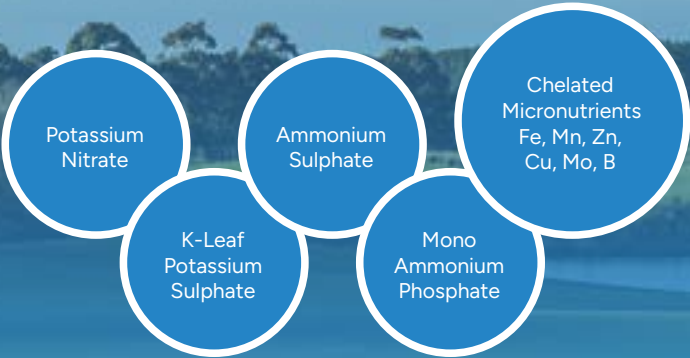
Application rate: 10-50kg/ha

How K-Leaf works in Solufeed® 15-0-25

K-LEAF™

02

K-Leaf is a fine milled, readily soluble potassium sulphate containing 52% K₂O 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.



Plant Health: Dew Control



DewCure

long-lasting, specifically formulated to reduce the accumulation of surface moisture on turf, including dew, guttation fluid & light frost.

10L

Application rate: 6L : 400L Water/ Ha (Always maintain this 1.5% dilution rate)

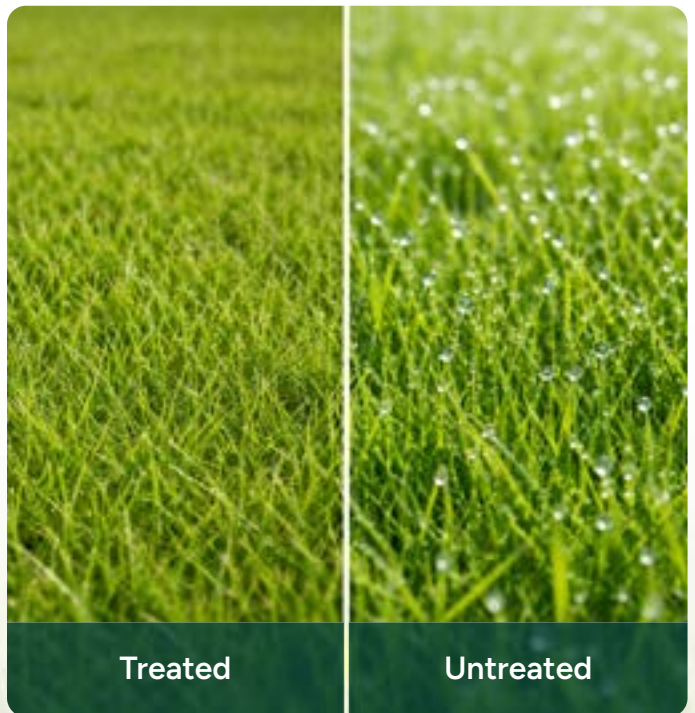


DewSmart

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.

10L

Application rate: 10 litre/ha in 300-400L of water



Liquid Fertilisers: Outfield

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

<p>Xtend Liquid Hi-N 34-0-0</p>	<p>Application rate: 20-60L/ha</p>	<p>200L & 1kL</p>	<p>A cost effective slow release nitrogen fertiliser. 50% stabilized nitrogen, 50% ammonium & nitrate nitrogen. Tank mixable with selective herbicides for a weed and feed.</p>
<p>Elevate Fe</p>	<p>Application rate: 20-40L/ha</p>	<p>20L 200L 700L & 1kL</p>	<p>Non-staining complexed iron formulation. Clean, ready to use liquid. No blackening or wheel marks. Mixes easily with Primo Maxx II and liquid fertilisers.</p>
<p>Greenfert Liquid 30-0-0</p>	<p>Application rate: Normal: 30L/ha High: 40L/ha in 300-450L water</p>	<p>20L 200L 800L & 1kL</p>	<p>A slow release Nitrogen fertiliser lasting up to 6 weeks. Suitable for use on outfield turf during the active growing season, once soil temperatures rise above 10°C.</p>
<p>Greenfert Liquid Iron 6%</p>	<p>Application rate: Normal: 20L/ha High: 40L/ha in 300-600L water</p>	<p>20L 200L 800L & 1kL</p>	<p>Liquid Iron formulation for outfield turf . For use as a fertiliser on all turf areas including racecourses, sportsfields and general amenity areas.</p>
<p>GreenFert Calcium 10-0-0 + Ca + Mg</p>	<p>Application rate: Normal: 20L/ha High: 30L/ha in 300-450L water</p>	<p>20L 200L 800L & 1kL</p>	<p>Suitable for use on outfield turf during the active growing season, once soil temperatures rise above 6°C.</p>
<p>GreenFert 20-0-0+ 2Fe</p>	<p>Application rate: Normal: 30L/ha High: 40L/ha in 300-450L water</p>	<p>20L 200L 800L & 1kL</p>	<p>A slow release liquid fertiliser lasting for up to 6 weeks. For use on outfield turf during the active growing season.</p>
<p>GreenFert 10-0-0 + 4Fe</p>	<p>Application rate: Normal: 30L/ha High: 40L/ha in 300-450L water</p>	<p>20L 200L 800L & 1kL</p>	<p>A slow release nitrogen liquid fertiliser for use on all outfield turf. Used as an Autumn or Early Spring starter feed.</p>
<p>Bespoke Liquid Mix on Request</p>		<p>20L 200L 800L & 1kL</p>	<p>Cropcare are able to supply bespoke liquid fertiliser mixtures on request.</p>



Elevate Fe:

Non Staining Complex Liquid Iron

For use on all coarse & close-mown areas including racecourses, sports pitches, golf tees, approaches, fairways & semi-rough

Non-reactivity in the spray tank

Elevate Fe does not exhibit the usual type of reactivity normally associated with iron when used as a tank-mix component (see Fig. 1). The iron in Elevate Fe is bound in a nitrogen complex preventing adverse reaction with other tank-mix components. This means it is suitable for mixing with water-soluble, liquid fertilisers and plant-growth regulators.

Elevate Fe is a cost-effective, liquid formulation of iron for use on outfield turf. Unlike most iron plus nitrogen formulations, the iron in Elevate Fe is chemically-bonded to the nitrogen and this imparts some unique characteristics when applied to turf.

Non-staining, safe formulation

Most iron formulations leave a black residue on the leaf evident after application, particularly on high traffic areas, wheel marks and where the spray boom has travelled closer to the turf.

Application of Elevate Fe does not result in staining to the turf, allowing applications to be made right up to key events. In addition, this allows for safe applications with less plant stress through desiccation and no leaf tip scorch.

Rapid plant uptake

The nitrogen-iron complex facilitates fast uptake into the plant for a rapid green-up after application and longlasting results. Application of Elevate Fe at 20 litres per hectare applies just over 1.5kg N/hectare.

Key points

- Non-staining complexed iron formulation
- Clean, ready to use liquid
- No blackening or wheel marks
- Mixes easily with Primo Max II and liquid fertilisers



Fertilisers: Outfield Soluble

Solufeed Hi-K 13-0-45	Application rate: 20-60kg/ha	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.
Sulphate of Ammonia 21-0-0	Application rate: 5-20kg/ha	25kg	Very soluble nitrogen source. Ammonium nitrogen for uptake at cooler times of the year. Acidifying formulation.
Sulphate of Potash 0-0-50	Application rate: 5-20kg/ha	25kg	A straight source of potassium and sulphur. Soluble.
Magnesium Sulphate 16% MgO	Application rate: 5-20kg/ha	25kg	Magnesium Sulphate (Epsom Salts) in crystal form for soluble application.
Origin Soluble Iron 19% Fe	Application rate: 5-20kg/ha	25kg	A highly soluble Iron for use a turf hardener and colour enhancer.
Soluble Urea 46-0-0	Application rate: 5-20kg/ha	25kg	A highly soluble nitrogen source for rapid turf response and growth.
Greenfert Urea SSR 45-0-0	Application rate: 5-20kg/ha	20kg	A soluble slow-release urea providing efficient, sustained nitrogen supply.
Greenfert Magnesium Nitrate 11-0-0 + 15 Mg	Application rate: 5-20kg/ha	25kg	A soluble magnesium and nitrogen fertiliser to improve colour and photosynthesis.
Greenfert Calcium Nitrate 15.5-0-0 + 19Ca	Application rate: 5-20kg/ha	25kg	A highly soluble calcium and nitrogen source to strengthen turf and promote healthy growth.

“From development and innovation to sustainable turf care.”

Innovative Care That Makes a Difference

TourTurf® is built on a foundation of sustainability, innovation, and environmental responsibility. The products they offer redefine how green areas are maintained. By combining cutting-edge technology with sustainable, circular ingredients, we deliver results that enhance turf quality while being gentle on the environment.

Empowering your mission:

We understand the importance of your role in maintaining high-performing, healthy turf areas. TourTurf® helps you achieve this through products that not only improve turf quality, but also promote efficiency and environmental stewardship. Whether on golf courses, sports pitch facilities or other landscapes, the solutions support superior results with reduced environmental impact helping you meet the demands of modern turf management.



10L

FDC 6-0-0 + 3%Fe

Liquid N fertiliser that prepares turf for the winter period by providing macro & micro-nutrients, surfactants, amino acids, plant extracts and Triacantanol. Recovery from Microdochium Patch even in low temperatures



10L

PHB - Plant Health Booster 3-0-0 + 11% AA

Organic liquid fertiliser used during periods of abiotic stress. Contains a mixture of 16 L-amino acids, peptides and immediately available nitrogen.



5L

TSA - Turf Surface Accelerator

Innovative penetrant and spreader used to boost the performance of TSC in tough growing conditions where moss or silver thread moss is prominent. Use to improve soil and tissue penetration.



10L

STA - Sports Turf Acidifier 5-0-0 + 4%Fe

Improved colour and recovery from secondary damages caused by insects, birds, Fusarium and Dollar Spot. Designed to improve health and colour on greens, tees, fairways and sports fields



10L

HPE - Herbal Plant Extract Garlic

Organic liquid fertiliser contains high contents of sulphur & amino acids helping to reduce abiotic plant stresses & increase resilience. Strengthens, feeds & revitalises turf.



10L

TSC - Turf Surface Conditioner 0-0-7 + 7Fe

Liquid iron fertiliser with sulphur and aromatic plant extracts for the strengthening of turf all year around Hardens turf and stops moss and algae invasion.



Enhanced Plant Health Products

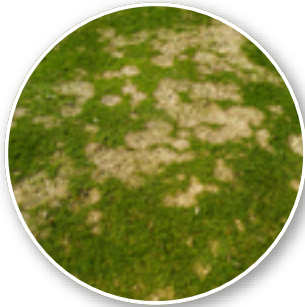
Temag Elite		6kg	Water soluble chelated micronutrient mix containing the plant elicitor Harpin. Ideal tank mix partner to liquid fertiliser regime. Mg: Mn: B: Zn: Mb: Cu: Fe
Turfcomplex	Application rate: 20-40L/ha	10L	A new generation liquid biostimulant containing Seaweed extract, activated Humic and Fulvic acids, Mg, chelated Iron and manganese, and a complete micronutrient package. Apply monthly during the growing season.
Ascoflex Plus	Application rate: 10-20L/ha	10L & 100L	Organic seaweed extract with 30% seaweed content plus Amino acids. Formulated with proactin express technology.
Ascoflex 15	Application rate: 5L/ha	100L	Pure seaweed extract. Suitable for application with liquid fertiliser & wetting agents.

Alga-Boost	Application rate: 5-20L/ha	10L & 200L	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.
Attain	Application rate: 10L/ha	10L	A highly refined proprietary bionutritional formulation containing both compost and kelp solution bio-extracts. 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 & sustainable root growth
Maxstim Sport	Application rate: 20L/ha	10L	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.



03 Amenity Chemicals

Fungicides



Microdochium



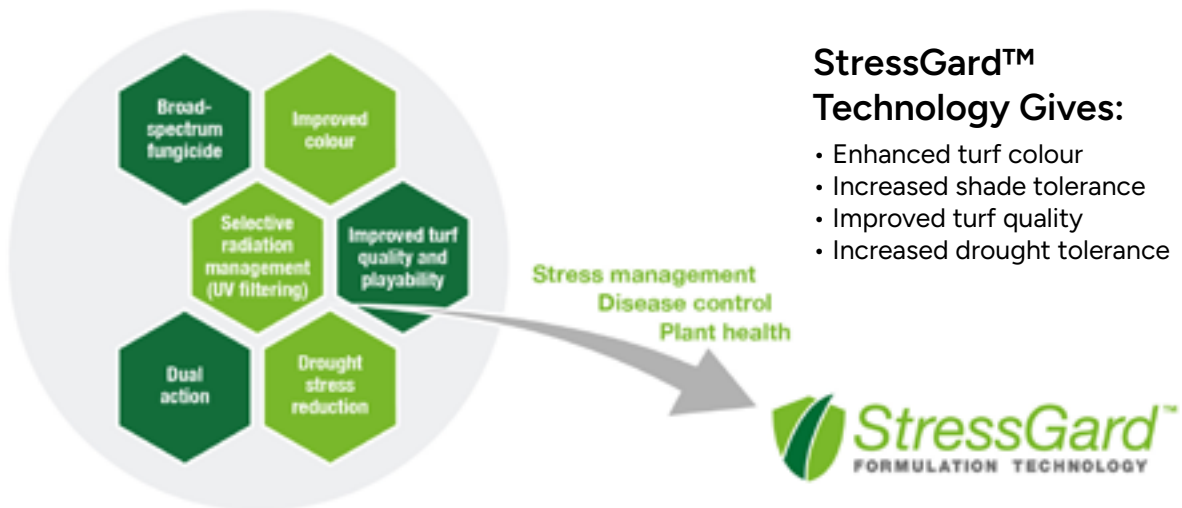
Red Thread



Dollar Spot



Anthracnose



StressGard™ Technology Gives:

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

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.



Signature XTRA StressGard (FRAC code P 07)

Fully systemic fungicide to treat turf disease including Microdochium Patch & Anthracnose. Preventative & early curative disease control. Contains StressGard formulation technology.

Fosetyl Aluminium

5kg

Application rate: 20kg/ha



Exteris StressGard (FRAC code 7 & 11)

SDHI chemistry treats diseases including Microdochium Patch and Dollar Spot. Preventative disease control. Contains StressGard formulation.

Fluopyram & Trifloxystrobin

5L

Application rate: 10L/ha

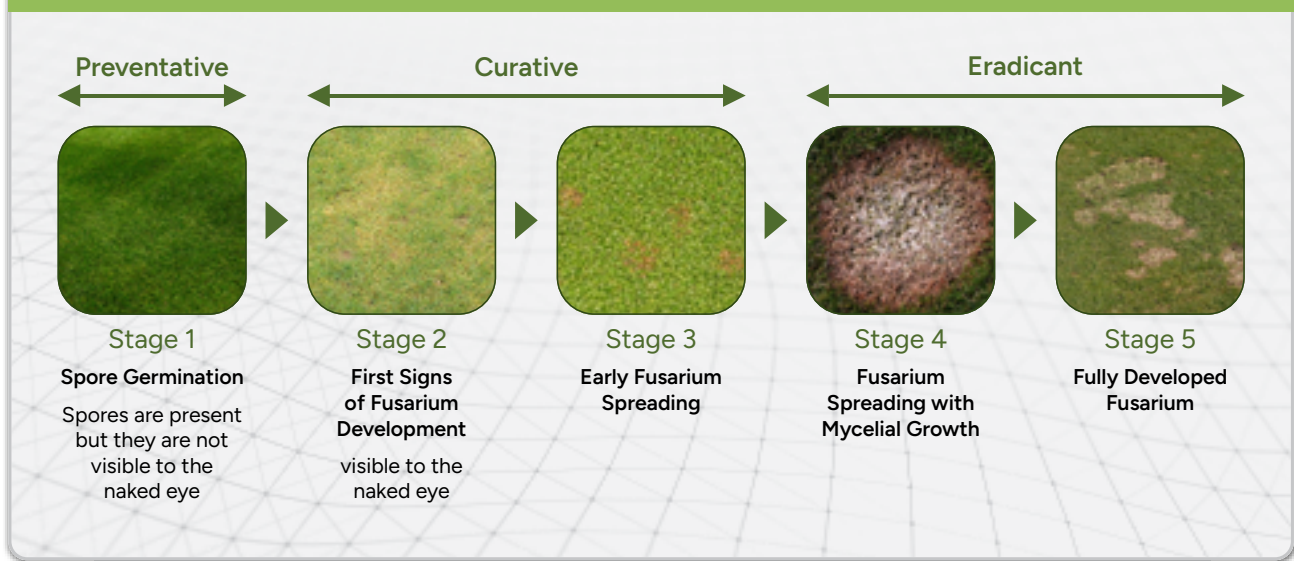
There are currently five fungicide groups available to greenkeepers in Ireland, and each active ingredient belongs to one of these.

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
Phenylpyrrole	Fludioxonil	12	Contact: inhibits spore germination
Quinone Outside Inhibitor (QOI)	Azoxystrobin, Pyraclostrobin, Trifloxystrobin	11	Acropetal penetrant Local penetrant Mesostemic
Demethylati on Inhibitors (DMI)	Tebuconazole, Difenconazole	3	Acropetal penetrant
Succinate DeHydrogenase Inhibitor (SDHI)	Fluopyram	7	Acropetal penetrant
Phosphonates	Fosetyl-Aluminum	P07	Fully Syseric



Disease Life Cycle



Fludioxonil
3L

Medallion (FRAC code 12)

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 November - March

Application rate: 3L/ha



Benzovindiflupyr & Difenconazole
3L

Ascernity (FRAC code 3 & 7)

A broad spectrum foliar fungicide with both contact and systemic properties for the control of Fusarium, Dollar spot and Anthracnose on golf greens and tees. Recommended to apply as a preventative or at first sign.

Application rate: 3L/ha



Fludioxonil & Difenconazole
3L

Instrata Elite (FRAC code 12 & 3)

The combination of curative, contact and systemic modes of action provides comprehensive disease control at both the foliar surfaces and within plant tissues. This also allows for flexible application timing, ensuring consistent and reliable performance. Approved for the control of Microdochium Patch.

Application rate: 3L/ha



Azoxystrobin
500g

Heritage (FRAC code 11)

Systemic fungicide w/ preventive & curative properties for control of Microdochium patch, Take-all patch, Anthracnose, brown patch, leaf spot, rust & type 2 fairy rings. This unique strobilurin is absorbed into leaves & sheaths when applied & also moves from the soil into the roots. From there, it translocates up throughout the entire blade, providing control of turf diseases for up to 28 days.

Application rate: 500g/ha



Selective Herbicides

03

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

Use pesticides safely - always read the label - rates below for guidance only



2L

Highload Mircam (Fluroxypyr + MCPA + Dicamba)

Selective turf herbicide for the control of a wide range of broadleaf weeds in amenity and sports turf. Providing strong post-emergent weed control. Its high-load formulation allows effective results at low application rates while maintaining turf safety. A soluble concentrate containing 600 g/l mecoprop-P and 80 g/l dicamba.

Application rate: 1.25L/ha



1L, 5L

Dicophar (2,4-D + MCPA + Mecoprop-P + Dicamba)

Selective, systemic, contact herbicide used across lawns, sports pitches, and amenity turf. It offers reliable control of clover, daisies, plantain, and other common broadleaf weeds. Dicophar delivers consistent performance when applied during active growth, helping maintain dense, weed-free turf.

Application rate: 7.5L/ha 75 ml in 10L water/100 m²



2L, 5L

Priest (Fluroxypyr + Clopyralid + MCPA)

Selective systemic post emergence herbicide for all amenity grassland. Enabling both foliar and systemic weed control.

Application rate: 2L/ha



Compact (Fluroxypyr + Florasulam)

Post - emergence herbicide for annual and perennial broadleaf weeds for use on managed turf. Controlling many broadleaf weeds such as daisy, dandelion, clover, buttercup, ribwort plantain. Long lasting control helping to maintain a clean healthy surface.

5L | Application rate: 2L/ha



D50 (2, 4 D Amine)

D50 is a selective turf herbicide for effective control of common broadleaf weeds in established turf. It provides reliable, cost-effective weed control while maintaining turf density and quality. Suited for use as part of a planned seasonal weed management programme.

10L | Application rate: 2-3.3L/ha

Plant Growth Regulator



Primo Maxx II (Trinexapac-Ethyl)

Turfgrass growth regulator that reduces growth without sacrificing sward vigour and appearance.

5, 10 & 20L | Application rate: Various



Attraxor (Prohexadione)

A turf grown regulator designed to reduce mowing frequency and clipping volumes by controlling longitudinal turf growth. It effectively limits the spread of annual meadow grass (poa annua) by supressing seed-head production and weakening its physiology.

1.5kg | Application rate: 1.5kg/ha



Redox Si (10% Calcium & 22% Silicon Dioxide)

Specially formulated Calcium and Silicon supplement which increases antioxidant production. Improves cell wall strength by calcium and silicon as added nutrients. Aids removal of poa seeds and increases speed in golf greens

2.5-15L | Application rate: 2.4-4.7L/ha

Leatherjackets & Chafer Grubs

Acelepryn (Chlorantraniliprole)

For control of chafer grubs and leatherjackets in airfields, golf courses, sports pitches and racecourses. and surfactants.

600ml

Application rate: 6L/ha



Total Herbicides

Sustainable Use of Pesticides Directive (SUD)

03

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

Use pesticides safely - always read the label - rates below for guidance only

Roundup Glyphosate	Application rate: 4-5L/ha	5 & 20L	Total systemic herbicide used for the control of a large variety of weeds including the Japanese knotweed. Can be used in both knapsack and boom sprayers.
Rosate Glyphosate	Application rate: 3-5L/ha	5 & 20L	Total systemic herbicide. For control of annual and perennial weeds.
Valdor Flex Diflufenican & iodosulfuronimethyl - sodium, asulfonylurea	Application rate: 0.5kg/ha	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.
New-Way Weedspray Acetic acid	Application rate: 1 part to 3 parts water	5L	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.
Chikara Flazosulfuron	Application rate: 150g/ha	150g	Pre-emergence residual for tank mixing with glyphosate.







Brushwood / Invasive Weed Herbicides



<p>Garlon Ultra Triclopyr Aminopyralid</p>	<p>Application rate: 2-4L/ha (150-200ml in 10L of water)</p>	<p>1L</p>	<p>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.</p>
<p>Grazon Chlopyralid, Triclopyr</p>	<p>Application rate: 60ml in 10L of Water</p>	<p>1L</p>	<p>For difficult weeds such as nettles, docks and thistles. Can be used on all established amenity grassland. Controls woody weeds.</p>
<p>Nomix Dual Glyphosate Sulfosulfuron</p>	<p>Application rate: 9L/ha</p>	<p>5L</p>	<p>Total herbicide with residual action. For use on pathways, around trees and car parks.</p>
<p>Nomix Hilite Glyphosate</p>	<p>Application rate: 7.5 - 10L/ha</p>	<p>5L</p>	<p>Total herbicide. For use on pathways, around trees and car parks.</p>
<p>Nomix TDC Universal Cleaner</p>	<p>Application rate: 20L/ha</p>	<p>5L</p>	<p>Essential for cleaning and maintenance of sprayer.</p>

04 Moisture Management

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.

 REVOLUTION	10L 208L	<p>Revolution 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. Rate: 19L/ha</p>
 DISPATCH[®] SPRAYABLE	10L	<p>Dispatch 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 Rate: 1-2L/ha monthly</p>
 AQUEDUCT[®]	10L	<p>Aqueduct 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! Rate: 20L/ha</p>
 AQUEDUCT FLEX[®] GRANULAR	20kg	<p>Aqueduct Flex Granular 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. Rate: 0.5 - 1.25 kg/100 m²</p>
 PRIMER[®] <i>Select</i>	10L	<p>Primer Select enhances turfgrass uniformity by establishing matrix flow in the rootzone, thus increasing water use efficiency in treated areas of highly managed turf. Rate: 15L/ha initially, then 10L/ha monthly</p>
 FIRMWAY RELIABLE VERSATILITY	10L	<p>Firmway improves distribution and infiltration of irrigation water and rainfall. By quickly lowering surface tension, Firmway delivers a more consistent playing surface. Rate: 2 - 6L/ha monthly</p>

	<p>Box of 6</p>	<p>Advantage Plus Pellets Advantage Plus is a complete and balanced system for delivering improved performance during syringing and hand watering.</p>
<p>PELLET APPLICATOR</p>		<p>Hose end applicator for wetting agent pellets.</p>
	<p>10L 100L</p>	<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.</p> <p>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. Application rate: 10-20L/ha</p>

Moisture Readings



Spectrum FieldScout TDR 150 Soil Moisture Meter

The Spectrum TDR 150 portable soil moisture meter allows users to obtain readings on the go at the press of a button. Variable rod length options provide soil moisture measurements at your ideal root zone. With new enhancements, the TDR 150 provides significant improvements in performance and measurement accuracy for optimal turf and soil environments.

Spectrum FieldScout TDR 350 Soil Moisture Meter

The TDR 350 accurately measures soil moisture across the full range of soil conditions, using proven time-domain measurement technology. TDR Soil Moisture Meters are the industry standard for site-specific soil moisture measurements. Comes with Bluetooth & GPS Connectivity.





Fast Acting Dual-action Granular that Treats & Prevents Localised Dry Spot

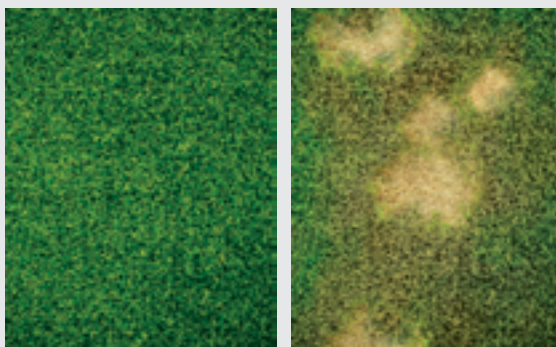
Aqueduct Flex is a granular surfactant which effectively treats and prevents drought stress symptoms across all turf varieties. Its fast-acting, dual-action, easy spread formula delivers superior performance, offering turf care professionals flexible solutions for managing drought stress, including localised dry spot.

At the treatment rate, Aqueduct Flex provides rapid turf recovery, delivering visible results in as little as 3 days. When applied monthly at the lower preventative rate, it offers up to 30 days of protection against localised dry spot.



Key Benefits:

- Provides rapid recovery of drought stressed turf with visible results in as little as 3 DAYS when used at the treatment rate
- Provides up to 30-DAY PROTECTION against the development of localised dry spot when applied on a monthly basis at the preventative rate
- Safe to use on all turf varieties and areas, including golf course greens, tees, fairways, sports fields, and residential lawns
- Safe to use on ornamental gardens, landscapes, trees, and shrubs



Rapid recovery in as little as 3 Days

TREATMENT RATE:

1.25 Kg/100m² weekly

PREVENTION RATE:








0.5 Kg/100m² monthly

Application Recommendations:

04

- For treatment of drought stress or localised dry spot apply at 1.25 Kg/100 m². Reapply at 1.25 Kg/100 m² on a weekly basis until full recovery is achieved.
- For preventative treatment of drought stress apply at 0.5 Kg/100 m². Reapply monthly for up to 30-day protection against symptoms of drought stress.
- Aqueduct Flex does not need to be watered in following application. Irrigate before next mowing or leave boxes off.

Aqueduct Flex ProFacts

WHAT IT DOES:	Treats and prevents symptoms of drought stress for all turf varieties.
WHEN TO APPLY:	Whenever symptoms of drought stress initially appear, or on a monthly basis to prevent the onset of symptoms.
COVERAGE:	<p>Treatment: Covers 1,600m² at 1.25 kg/100m²</p> <p>Preventative: Covers 4,000m² at 0.5 kg/100m²</p> <p>Spreader setting guidelines provided on the bag, however it is recommended to calibrate your spreader before application to ensure accurate coverage.</p>
WHERE TO USE:	<p>Safe to use on all turf types, ornamental gardens, shrubs, and trees.</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> GOLF</div> <div style="text-align: center;"> SOD</div> <div style="text-align: center;"> HOME</div> <div style="text-align: center;"> SPORTS FIELDS</div> <div style="text-align: center;"> MUNICIPAL & SCHOOLS</div> <div style="text-align: center;"> TREES & SHRUBS</div> <div style="text-align: center;"> ORNAMEN TAL</div> </div>

A person wearing a green protective suit and a yellow apron is using a blue spray wand to apply a substance to a green lawn. The background shows a garden with red flowers and a tree, with the sun setting in the distance, creating a warm, golden glow. The spray wand is held at an angle, and a fine mist of liquid is being emitted from the nozzle. The overall scene is peaceful and focused on agricultural or horticultural maintenance.

05 Adjuvants & Spray Aids

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.

<p>Tangent SDR Sticker & Spreader</p>		2.5L	Natural spreader and sticker obtained from pine resin. Improves droplet retention & resistance to wash off. Anti-drift.
<p>Headland Intake Penetrant & Acidifer</p>		2.5L	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.
<p>Knockdown Anti & Defoamer</p>	<p>Application rate: Antifoam 30-190ml in 500L of water De-foamer 60-250ml in 500L of water.</p>	946ml	Anti-foaming agent that prevents foam or suppresses it swiftly.
<p>Runway Bout Marker</p>		946ml	Simple, effective, low-cost bout marking. Suits most bout marking systems.
<p>Transport Ultra Anti & Defoamer</p>	<p>Application rate: 1-2L / 400L of water</p>	9.46L	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.

Tank Cleaner



All Clear Extra

A balanced liquid formulation tank cleaner for spray equipment containing sequestrants and surfactants.

Application rate: 2.5L in 500L of Water

5L



Erase

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 & plumbing.

1L

Cleaner



Reduran (Tube)

Quickly and easily removes dyes and inks. Simply rub into skin and rinse. It's a formulation of non-aggressive, waterless, skin conditioning reducing agent that effectively remove dyes.



Spray Indicator Dye



Super Signal Green

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.

946ml

Application rate: 2.5-5ml/1L Spray Solution



Super Signal Blue

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.

9.46L & 946ml

Application rate: 2.5-5ml/1L Spray Solution



Envy

Envy is a unique combination of pigments and adjuvants. Its stable formulation is designed to enhance aesthetics, improve spray coverage and act as a spray indicator when applied to turf, trees and shrubs

3.78L

Application rate:
Turf: 1-2L/ha in 400-500L of water



Ryder

Ryder's turf pigment technology that protects turf from harmful UV rays and excessive light, delivering a consistent natural green colour. Ideal tank-mix partner for liquid fertilisers, surfactants and plant growth regulators.

1L

Application rate:
Over 12mm 1-2L/ha
Under 12mm 0.5-1.5L/ha

Turf & Divot Colourants

Replace

Sand Colourant	9.46L
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A permanent colorant specifically formulated to impart a long-lasting green colour to sand during the mixing phase of divot mix preparation.

Application rate: 200ml per 15-20L of water

Regreen

Permanent Grass & Turf Colourant	9.46L
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Non-phytotoxic colorant specifically formulated to impart a long-lasting, natural green colour when applied to dormant and non-dormant turfgrasses.

Application rate: 200-400ml per 50kg sand

Lake Management

Jet Black

Black lake and pond dye designed to limit sunlight penetration into water column. 1 water soluble pack treats 1200 cubic metres.

Carton of 6 sachets, 4 Cartons per case

Aquaritin Pond

1L

Improves water quality, clarity and eliminates foul odours using nanotechnology.

Encourages beneficial diatom growth in water bodies and effectively naturally reduces nutrient availability for nuisance organisms.

Application rate: 1 litre per 14 million litres of water depending on the problem.

Precise Pond

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.

05



Moss & Algae Control



Hard Surfaces

AlgoClear is a highly effective biocide and surface cleaner designed to remove algae, moss, lichen, mould, biofilm and organic discolouration from a wide range of hard surfaces. It works on artificial sports surfaces, patios, driveways, paving, decking, roof tiles, render and artificial grass, and is ideal for both domestic and professional applications.

Unlike harsh cleaners that rely on ammonia or bleach, AlgoClear's quaternary ammonium microbiocidal action delivers fast-acting results without damaging substrates, and remains effective even in hard water conditions. Once applied, AlgoClear begins breaking down algal and microbial growth quickly — visible removal often occurs within 24 hours, and regular annual applications help prevent re-growth and maintain surface performance.

Typical uses

- Artificial sports turf & play surfaces - keeps fibres clear of algae and moss that impede drainage and wear characteristics.
- Patios, paving & driveways - restores original colour and reduces slippery biofilms.
- Decking & timber surfaces - safe, effective cleaning without aggressive power washing.
- Roofs and walls - controls moss, red algae and lichen on building exteriors.

How it works

AlgoClear is supplied as a concentrate that is diluted with water and applied using a low-pressure sprayer, knapsack, or watering can with a fine rose. It acts by killing the biological growth at source, allowing the dead material to be washed away naturally or with light rinsing — no pressure washing needed.

Key Benefits

- Fast, visible results - kills algae and microbial growth quickly
- Versatile application across hard surface types
- No bleach or ammonia - gentler on substrates and more environmentally acceptable
- Reduces slip risk and improves surface aesthetics
- Effective in hard water - retains potency where other cleaners fail

Useful for golf clubs, councils, sports facilities and landscape managers, AlgoClear helps protect and prolong the life of outdoor surfaces while keeping them safe, clean and visually appealing.

AlgoClear Pro

10 Litre

Knapsack Rate:	1 : 40	250ml in 10L Water
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Area per litre of Algoclear Pro concentrate	Roof Cleaning	Render Cleaning	Timber	Artificial Grass	Ground Surfaces
Dilution rate	1 to 18	1 to 20	1 to 20	1 to 40	1 to 40



05

MetaClear	5L	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.
OxiClear	5L	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.
GraffiClear	5L	Removes all types of graffiti. This professional grade formulation can be used on porous and non-porous surfaces.
OleoClear	5L	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.

An aerial photograph of a field with a central strip of soil amendments. The field is divided into two main sections by a metal track. The top section shows a dense green crop. The bottom section shows a similar crop. The central strip contains several distinct layers of soil amendments, including dark brown soil, light brown soil, and a layer of small, light-colored granules. The text '06 Soil Amendments' is overlaid in white on a semi-transparent green background in the center of the image.

06 Soil Amendments



Solutions for your Environment™

Profile Porous Ceramic

is a permanent inorganic soil amendment widely used in high-performance turf construction and renovation to improve root zone structure. Blended into sand-based mixes or topdressing, PPC increases air and water porosity, enhances oxygen levels and nutrient exchange at the root zone, and helps prevent compaction and localised dry spots while improving drainage and moisture retention.

Unlike organic amendments that break down over time, PPC's ceramic particles remain stable. High Structural strength - less than 3% degradation over 20 years (Substantially better than all other processed soil amendments)

Supporting healthier roots and reducing the frequency of irrigation and some maintenance inputs valued by Irish golf courses, sports turf managers, and landscape professionals alike. Its use in greens, tees and fairways supports consistent playing surfaces and long-term turf resilience.

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 (similar to kiln dried sand) is required.

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



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

Typically moist sand is around 1.7 tonnes per cu mt.

06



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

	Sand (100%)	Profile Porous Ceramic Blend with Sand		
Testing Parameters		15%	30%	50%
Infiltration: (Saturated Hydraulic Conductivity) (in/hr)	3.8	4.6	7.1	12.2
Percentage Improvement		21%	30%	50%
Air Porosity: (%)	12.8	15.3	18.6	22.8
Percentage Improvement		21%	30%	50%
Water Porosity: (%)	28	30.2	32	34.2
Percentage Improvement		8%	14%	22%
Water Retention: (%) at field capacity)	18.1	21.4	25.2	37.1
Percentage Improvement		8%	14%	22%



07 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)

- 20% Barquess - Slender Creeping Red Fescue
- 30% Barnoustie - Slender Creeping Red Fescue
- 20% Nightclub - Chewings Fescue
- 30% Dancing - Chewings Fescue

Barenbrugs most popular blend of red fescue cultivars ideally suited to free draining, sandy soil.

- Sowing rate: 25-35g per m²
- Overseeding rate: 15-25g per m²
- Sowing depth: 8-12mm below thatch
- Mowing height: Down to 4mm

SGT All Hard (20kg)

- 20% Beacon - Hard Fescue
- 10% Barlegant - Hard Fescue
- 50% Hardtop - Hard Fescue
- 20% Mentor - Hard Fescue

All Hard Fescue blend, utilising Barenbrug's sustainable grass technology (SGT), with varieties bred to deliver reduced water, fertiliser and chemical inputs.

- Sowing rate: 25-35g per m²
- Overseeding rate: 15-25g per m²
- Sowing depth: 8-12mm below thatch
- Mowing height: Down to 4mm

SGT Fine Fescue (20kg)

- 20% Hardtop - Hard Fescue
- 30% Barlegant - Hard Fescue
- 10% Barlineus - Slender Creeping Red Fescue
- 20% Barisse - Strong Creeping Red Fescue
- 20% Barnoustie - Slender Creeping Red Fescue

Pure fine fescue blend, utilising Barenbrug's sustainable grass technology (SGT), with varieties bred to deliver reduced water, fertiliser and chemical inputs.

- Sowing rate: 25-35g per m²





CropCare

RPR (20kg)

30% **Barzico** - Dwarf perennial ryegrass
30% **Barcristalla** - Dwarf perennial ryegrass
20% **Barlibro** - Dwarf perennial ryegrass
20% **Barpropel** - Dwarf perennial ryegrass

Using RPR (Regenerating Perennial Ryegrass) technology for fast establishment & unparalleled capacity for recovery from wear due to the self regenerating growth habit. Overseeding, divoting & construction of golf turf with intensive wear.

Sowing rate: 25-50g per m²
Overseeding rate: 15-30g per m²
Sowing depth: 10-15mm below thatch
Mowing height: Down to 4mm

Elite Sport (20kg)

30% **Barbasten** - Dwarf perennial rye grass
40% **Barzico** - Dwarf perennial rye grass
15% **Barkamp** - Dwarf perennial rye grass
15% **Baradonna** - Dwarf perennial rye grass

Designed for elite winter sport stadiums and pitches, Elite Sport focuses on the key characteristics of wear tolerance, recovery, camera-friendly grass colour and disease resistance. Elite Sport is changing the game for the renovation and construction of stadium and other high-quality pitches. Mixture score of 7.98

Sowing rate: 30-50g per m²
Overseeding rate: 15-30g per m²

SOS (20kg)

50% **Barterra** - Annual perennial ryegrass
50% **Baradona** - Dwarf perennial ryegrass

SOS gives fast germination to repair worn or damaged surfaces in the coldest months. Overseeding & patching blend of ryegrass species that germinate & grow vigorously at very low temperatures.

Sowing rate: 30-40g per m²
Overseeding rate: 30-40g per m²
Sowing depth: 4-8mm below thatch
Mowing height: Down to 20mm

Multisport (20kg)

25% **Barolando** - Dwarf perennial ryegrass
35% **Barzico** - Dwarf perennial ryegrass
25% **Barcristalla** - Dwarf perennial ryegrass
15% **Baradona** - Dwarf perennial ryegrass

Our all purpose sports field mixture. When your fields are mixed use, we don't think you should have to compromise on seed mix quality. The ultimate all - rounder, ideally suited for multi-use sports pitches such as winter sports pitches that are then used through the summer, sports fields, grounds and pitches.

Sowing rate: 30-50g per m²
Overseeding rate: 15-30g per m²
Sowing depth: 10-15mm below thatch
Mowing height: Down to 10mm

E7 (20kg)

40% **Fandango** - Perennial ryegrass
30% **Barorlando** - Perennial ryegrass
30% **Baromario** - Perennial ryegrass

Designed for establishing and renovating winter sports surfaces. Features perennial ryegrass varieties that have been tested by the STRI for use on winter sports turf surfaces such as football and rugby pitches

Sowing rate: 30-35g per m²
Overseeding rate: 15-20g per m²

RPR Sprint (20kg)

40% **Barlibro** - RPR Dwarf perennial ryegrass
25% **Barorlando** - Dwarf perennial ryegrass
20% **Barcristalla** - Dwarf perennial ryegrass
15% **Strangford** - Perennial ryegrass

A blend of fast growing perennial ryegrass, formulated specifically for the demands of racecourses. Designed to give you the wear tolerance and recovery needed either for the flat or national hunt racecourses.

Sowing rate: 25-35g per m²
Overseeding rate: 15-25g per m²
Sowing depth: 10-15mm below thatch
Mowing height: Down to 60mm

Premium All Rye (20kg)

35% Barcristalla-Dwarf perennial ryegrass
30% Barprrium-Dwarf perennial ryegrass
35% Baradona-Dwarf perennial ryegrass

100% dwarf perennial ryegrass mix designed for maximum durability and rapid recovery under intense wear. It delivers outstanding density, fast establishment, and reliable year-round playing quality on sports pitches and training areas. Designed for all turf overseeding.

Sowing rate: 30-50g per m²

Overseeding rate: 15-20g per m²

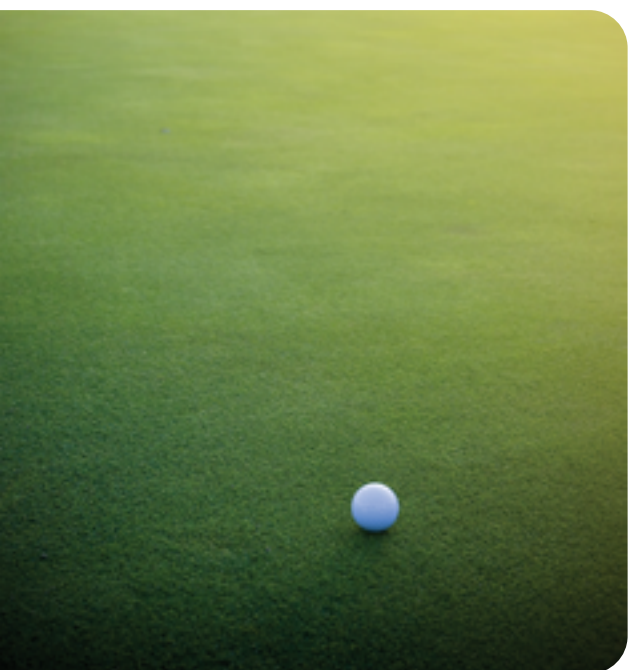
Premium Ryegrass Fescue Sport (20kg)

35% Barorlando-Dwarf perennial ryegrass
35% Barprrium-Dwarf perennial ryegrass
20% Barrisse-Strong Creeping Red Fescue
10% Bodega - Chewings fescue

High-quality turf blend combining elite dwarf perennial ryegrasses with fine fescues for excellent density and resilience. It delivers strong wear tolerance, reliable, recovery and consistent year-round performance across a wide range of sporting and landscape applications.

Sowing rate: 30-50g per m²

Overseeding rate: 15-20g per m²



CropCare

Sports Range

Our Sports field range has been carefully chosen and 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.

Verde Premium Rye / Fescue

20% Vermillion - Dwarf perennial ryegrass
25% Greenway - Dwarf perennial ryegrass
25% Adagio - Dwarf perennial ryegrass
20% Maxima - Strong Creeping Red Fescue
10% Capriccio - Chewings Fescue

High-quality turf blend combining elite dwarf perennial ryegrasses with fine fescues for excellent density and resilience. It delivers strong wear tolerance, reliable recovery, and consistent year-round performance across a wide range of sporting and landscape applications.

Sowing Rate: 30-35g per m²

Overseeding Rate: 15-20g per m²

20kg

All Rye Tetra Mix

40% Greenway - Dwarf Perennial Ryegrass
40% Adagio - Dwarf Perennial Ryegrass
20% Double - Tetraploid Perennial Ryegrass

Hardwearing 100% dwarf perennial ryegrass blend that includes tetraploid technology. A mix designed for maximum durability and rapid recovery under intense wear. It delivers density, fast establishment, and reliable year-round playing quality turf on sports pitches.

Sowing Rate: 30-50g per m²

Overseeding Rate: 15-20g per m²

20kg

Amenity Rye Fescue

30% Greenway - Dwarf perennial ryegrass
30% Adagio - Dwarf perennial ryegrass
40% Maxima - Strong Creeping Red Fescue

Sowing Rate: 30-35g per m²

Overseeding Rate: 15-20g per m²

10 & 20kg

07

Fine 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.

Oakley Creeping Bentgrass

100% Oakley - Creeping Bentgrass

Excellent disease resistance ranked highly for performance combining strong disease resistance with consistent seasoned density.

Sowing Rate: 8g per m ² Overseeding Rate: 2-4g per m ²	11.35kg
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Shark Creeping Bentgrass

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 ² Overseeding Rate: 2-4g per m ²	11.35kg
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Traditional Highland Greens

40% Dancing - Chewings Fescue
40% Barcrown - 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

Sowing Rate: 8g per m ² Overseeding Rate: 2-4g per m ²	10kg
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007 Creeping Bentgrass

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 ² Overseeding Rate: 2-4g per m ²	11.35kg
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Our Landscape range has been selected for lawns & amenity landscape areas where reliability & appearance are essential. Suitable for high-quality lawns, municipal spaces & low-maintenance environments, the mixtures all offer excellent establishment, attractive colour and the option of a strong shade tolerance mix while requiring minimal inputs.

Amenity Rye Fescue	
25% Barpearl - Slender Creeping Red Fescue 25% Barrisse - Strong Creeping Red Fescue 25% Bodega - Chewings Fescue 25% Mentor - Hard Fescue	
Sowing Rate: 30-35g per m ² Overseeding Rate: 15-20g per m ²	20kg

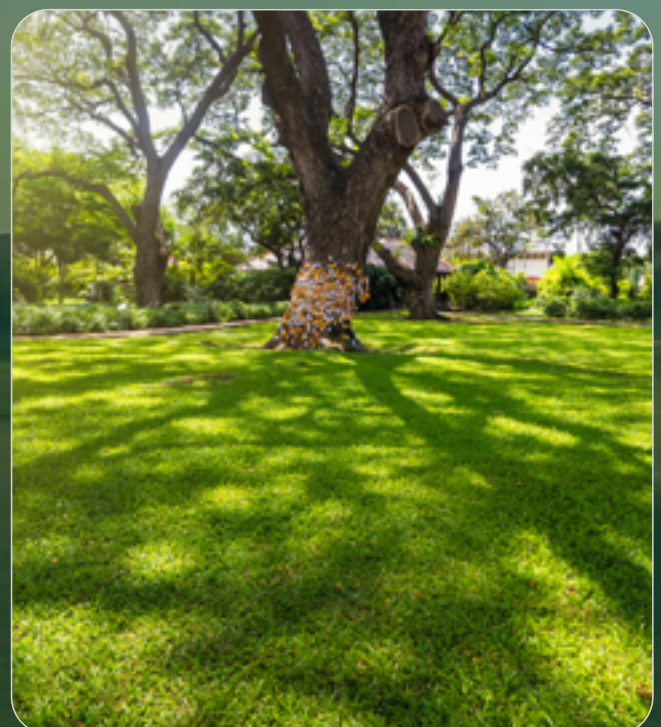
CropCare Low Maintenance Mix	
30% Adagio - Dwarf perennial ryegrass 30% Kent - Strong Creeping Red Fescue 20% Borluna- Slender Creeping Red Fescue 20% Capriccio - Chewings Fescue	
Great quality hard wearing mixture for all landscape turf uses. Very cost effective, low maintenance slow growing mixture.	
Sowing Rate: 30-35g per m ² Overseeding Rate: 15-20g per m ²	20kg

Shade Mix	
20% Baromario - Dwarf perennial ryegrass 20% Hardtop - Sheeps Hard Fescue 20% Dancing - Chewings Fescue 20% Barjessica - Strong Creeping Red Fescue 20% Bariris - Smooth Stalked meadow grass	
Designed for deep shade and low light conditions, delivering strong establishment and year-round colour. It's variety of fescues, ryegrass and smooth stalk meadow grass provide excellent wear tolerance and recovery where standard turf fails.	
Sowing Rate: 30-35g per m ² Overseeding Rate: 15-20g per m ²	10kg

Shade Extreme	
100% Poa Supina	5kg
One of the most shade tolerant grass species widely used in extreme shade turf situations where most other grasses struggle to survive. It is particularly valued in high-end turf management and where specialist seed choices are designed for the most shaded environments, performing well with very limited sunlight.	

4 way Fescue	
25% Barpearl - Slender Creeping Red Fescue 25% Barrisse - Strong Creeping Red Fescue 25% Bodega - Chewings Fescue 25% Mentor - Hard Fescue	
Sowing Rate: 30-35g per m ² Overseeding Rate: 15-20g per m ²	20kg

07





**Perennial
Ryegrass**

Lolium perenne



**Smooth-Stalked
Meadowgrass**

Poa pratensis



**Slender Creeping
Red Fescue**

Festuca rubra litoralis



**Strong Creeping
Red Fescue**

Festuca rubra rubra



**Chewings Red
Fescue**

Festuca rubra commutata



Browntop Bent

Agrostis capillaris



Creeping Bent

Agrostis stolonifera



Hard Fescue

Festuca brevipila



**Annual
Meadowgrass**

Poa annua



Tufted Hairgrass

Deschampsia caespitosa



Crested Hairgrass

Koeleria macrantha



Browntop Bent

Festuca arundinacea

Guide to Species Characteristics

Species	Soil Conditioning					Maintenance					
	Seeds per gram (g)	Optimal pH Range	Humidity	Salt Tolerance	Maintenance Level	Fast Est.	Rhizomes/Stolens/Tufted	Shade Tolerance	Nitrogen Require.	Water Require.	Thatch Build-up
<i>Agrostis capillaris</i> Browntop bent	14,000	5.6 -7.0	Medium	Moderate	Medium	Poor	R	Good	Medium	Medium	High
<i>Agrostis stolonifera</i> Creeping bent	16,000	5.6 -7.0	High	Good	Intensive	Poor	S	Average	Very high	High	Very high
<i>Festuca rubra rubra</i> Strong creeping red fescue	1,000	5.5 -6.8	Low	Weak	Low	Average	R	Very good	Low	Low	Medium
<i>Festuca rubra commutata</i> Chewings red fescue	1,000	5.5 -6.8	Low	Weak	Low	Average	T	Good	Low	Low/medium	High
<i>Festuca rubra litoralis</i> Slender creeping red fescue	1,000	5.5 -6.8	Low	Good	Low	Average	R	Good	Low	Low	High
<i>Festuca ovina</i> Sheep fescue	1,600	4.5 -5.8	Very low	Weak	Very low	Average	T	Good	Very low	Low/very low	Low
<i>Festuca brevipila</i> Hard fescue	1,300	4.5 -7.5	Very low	Good	Very low	Average	T	Very good	Very low	Low/very low	Low
Rhizomatous Tall Fescue (RTF)	400	5.5 -7.0	High	Good	Medium	Average	R	Very good	Medium	Very low	Low
<i>Festuca arundinacea</i> Tall fescue	450	5.5 -7.0	High	Good	Medium	Average	T	Very good	Medium	Very low	Low
<i>Lolium perenne</i> Perennial ryegrass	700	5.8 -7.4	Medium	Medium	Medium	Good	T	Poor	High	Medium	Low
<i>Poa pratensis</i> Smooth-stalked meadowgrass	3,300	5.8 -7.5	Medium	Weak	Medium	Poor	R	Poor	High	Medium	Medium
<i>Poa trivialis</i> Rough-stalked meadowgrass	5,500	5.8 -7.2	High	Weak	Medium	Average	S	Good	High	High	Medium
<i>Poa annua</i> Annual meadowgrass	6,500	5.5 -7.5	High	Weak	Intensive	Average	T	Very good	High	High	Medium
<i>Koeleria macrantha</i> Crested hairgrass	3,000	5.5 -8.0	Low	Good	Very low	Average	R	Good	Very low	Low/very low	Very low
<i>Deschampsia caespitosa</i> Tufted hairgrass	3,800	5.5 -6.5	High	Medium	Low	Good	T	Excellent	Medium	High	High

Sowing & Seeding Rates

Sowing Rates - Kilograms (kg) Required

Standard Areas		5g/m ²	20g/m ²	35g/m ²
Soccer (Football)	7,500m ²	-	150	262
Rugby	10,000m ²	-	200	350
Tennis	262m ²	-	5.5	10
Cricket	520m ²	-	10.5	18
Bowls	1,600m ²	8	32	56
Golf	500m ²	2.5	10	17.5
GAA	13,000m ²	-	260	455

Maintenance

Seed Rates (per 20kg bag)	Coverage
10g/m ²	2,000m ²
15g/m ²	1,333m ²
20g/m ²	1,000m ²
25g/m ²	800m ²
30g/m ²	666m ²
35g/m ²	571m ²

Grass seed can be mixed to your own specifications

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.

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.

Flowering Meadow 100% wildflower

Birds foot Trefoil Bluebell Common Knapweed Corn Poppy Hawkbit Kidney Vetch Lady Bedstraw Red Campion Ribwort Plantain Birdsfoot Trefoil Sainfoin White Campion	Meadow Buttercup Wild Carrott Common Vetch Corncockle Meadowsweet Violet Ox Eye Daisy Salad Burnet Yellow Rattle Cowslip Flax White Clover	Vipers Bugloss Common Sorrell Corn Marigold Cornflower Foxglove Forget me not Yarrow Self Heal Field Scabious Ragged Robin Phacelia Red Clover
Sowing Rate: 1-2g per m²		

Wildflower Meadow

An 50:50 mix of grasses and wildflowers

07

Wildflower seed mixture is specifically designed to produce a fast-establishing sward of wildflowers and meadow grasses. Wildflower Meadow contains 50% wildflower species and 50% grasses which produce a pleasant meadow habitat. We find this blend with slow growing fescues works well and creates a nice blend.

Wildflowers		
Birds foot Trefoil Bluebell Common Knapweed Corn Poppy Hawkbit Kidney Vetch Lady Bedstraw Red Campion Ribwort Plantain Birdsfoot Trefoil Sainfoin White Campion	Meadow Buttercup Wild Carrott Common Vetch Corncockle Meadowsweet Violet Ox Eye Daisy Salad Burnet Yellow Rattle Cowslip Flax White Clover	Vipers Bugloss Common Sorrell Corn Marigold Cornflower Foxglove Forget me not Yarrow Self Heal Field Scabious Ragged Robin Phacelia Red Clover
Grasses		
Bentgrass Cocksfoot Strong Creeping Red Fescue	Chewings Fescue Slender Creeping	Sheep's Fescue Red Fescue
Sowing Rate: 4-5g per m²		

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 reseeding 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/m² you could supplement with cornfield annuals @ 1g/m² 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		
Sowing Rate: 1-2g per m²			



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 or 80:20 ratio of grasses and wildflowers and can be sown at 15g/m², 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

07

Contains			
Birdsfoot Trefoil	Corn Chamomile	Corn Marigold	Corn Poppy
Common Vetch	Cornflower	Doves-foot Cranesbill	Foxglove
Cornflower	Meadow Buttercup	Ox Eye Daisy	Red Champion
Ribwort Champion	Salad Burnet	Self Heal	White Champion
White Clover	Sweet Vernal Grass	Smaller Cats Tail	Tall Oat Grass
Slender Creeping Red Fescue	Smooth Stalked Meadow Grass	Strong Creeping Red Fescue	
Sowing Rate: 10-15g per m²			





08 Goalmouths

Hybrid Turf Goalmouth System

Xtragrass Hybrid turf system unites the positive properties of natural turf with the strength & durability of artificial turf, providing an elite playing surface with added reinforcement.

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. Providing further anchoring for the roots.

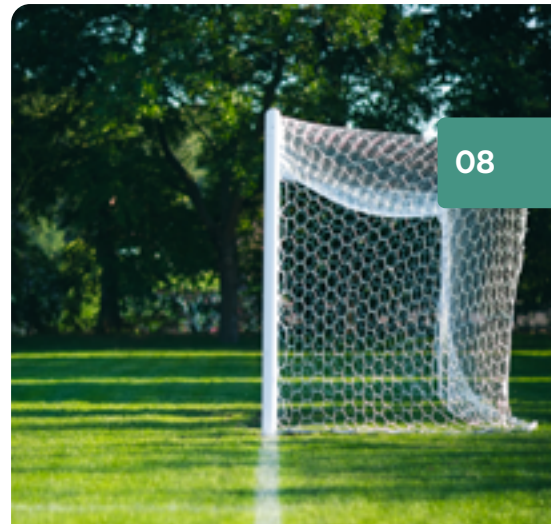
The carpet can be installed at construction or retrofitted in heavy wear areas such as goal mouths and technical areas.

Following ground preparation, the hybrid carpet is laid and filled with a proprietary sandbased rootzone containing Profile porous ceramic. Profile porous ceramic is a kiln fired inorganic soil amendment which resists compaction, promotes drainage, and facilitates healthy root systems.

The rootzone is then seeded and fertilised with a hard wearing grass seed mixture & controlled release fertiliser ensuring rapid establishments, long term stability and improved pitch durability under intensive use.

Hybrid Turf Benefits

- ✓ 100% natural grass playing surface
- ✓ Increased surface stability and root enforcement
- ✓ Reduce surface related injuries
- ✓ Play 365 days a year - Reliable
- ✓ All weather surface
- ✓ Increased wear tolerance compared to conventional natural grass
- ✓ Decreased divoting, shearing and surface displacement damage
- ✓ Suitable for heavy wear technical areas across multiple sports.
- ✓ Suitable for golf course paths & par 3 tees.



Artificial Turf Goalmouth System

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 chosen size of artificial turf on a well constructed base including a shockpad which will provide safety in firmness for play & avoid affecting ball bounce in a key play area. Other areas of use for an alternative solution would be dugouts, technical areas, warm up areas under shaded stadiums environments.

Construction

- ✓ Install a well drained soil 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.





09 Hydroseeding

09

Hydroseeding

Hydroseeding is a highly effective method of establishing grass and vegetation by applying a slurry of seed, mulch, fertiliser, soil conditioners, and tackifiers using specialist spray equipment. It has become increasingly popular across Ireland due to its ability to deliver rapid, uniform establishment in challenging environments where traditional seeding methods are less effective.

In recent years, there has been a significant increase in demand for hydroseeding from golf courses, local authorities, and civil contractors. Irish golf courses are increasingly using hydroseeding for course construction, renovation works, bunker surrounds, embankments, out-of-play areas where fast establishment and erosion control are critical. Councils and infrastructure projects rely heavily on hydroseeding for roadside slopes, housing developments, parks, flood alleviation schemes, and public green spaces, particularly on steep or inaccessible ground.

Ireland's climate is characterised by high rainfall, mild temperatures, and periods of intense weather makes erosion control and moisture retention essential during establishment. Hydroseeding provides excellent seed-to-soil contact, while the mulch layer protects against washout, wind erosion, and surface crusting. This results in faster germination, more even coverage, and higher establishment success compared to conventional broadcast seeding.

We supply a full range of professional hydroseeding materials, including Flexterra®, ProGanics® and ProGanics Dual®. These products are engineered to deliver reliable establishment and effective erosion control across a wide range of site conditions. Flexterra® offers premium performance on steep slopes and high-risk erosion areas, while ProGanics® and ProGanics Dual® combine engineered wood fibre with recycled organic matter to enhance soil biology and support long-term vegetation health.

Key benefits include:

- Rapid, uniform grass and vegetation establishment
- Excellent erosion control on slopes and exposed soils
- Improved moisture retention in variable weather conditions
- Reduced seed loss from heavy rainfall and wind
- Ideal for large areas and difficult-to-access sites
- Supports sustainable and environmentally responsible projects

Hydroseeding is a proven, versatile solution that aligns with modern requirements for sustainability, speed, and surface stability, making it an essential tool for golf course managers, local authorities, and contractors alike.



CropCare

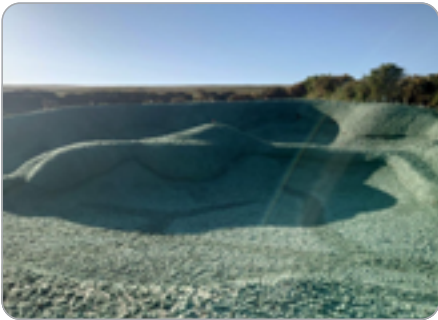
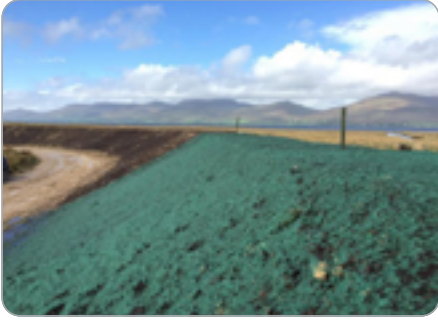
Wood with Tack	22.6kg	<p>100% thermally refined high quality wood fibre. Absorbs water rapidly forming a homogenous slurry that ensures even distribution and is proven to control erosion.</p> <p>Application rate: 2300kg-3400kg/Ha 1 x 22.6kg bale in 350 litres water covers 66-100m²</p>
ProMatrix Erosion Control Blanket Bonded Fibre Matrix	22.6kg	<p>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.</p> <p>Application rate: 2800kg-4480kg/Ha 1 x 22.6kg bale in 320 litres water covers 50-80m²</p>
Flexterra® High Performance- Flexible Growth Medium™ (HPFGM™)	22.6kg	<p>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.</p> <p>Application rate: 2800kg-5000 kg/Ha 1 x 22.6kg bale in 320 litres water covers 45 - 80m²</p>
ProGanics™ Biotic Soil Media™ (BSM™)	22.6kg	<p>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.</p> <p>Application rate: 3920kg-5600 kg/Ha 1 x 22.6kg bale in 380 litres water covers 40 - 60m²</p>
ProGanics Dual Biotic Soil Media plus erosion control in one application	22.6kg	<p>ProGanics Dual is the Biotic Soil Media combined with the Erosion Control Mulch in one product.</p> <p>Application rate: 4480kg-7290 kg/Ha 1 x 22.6kg bale in 380 litres water covers 30 - 50m²</p>
Seed Aide® CoverGrow™	18.14kg	<p>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.</p> <p>Application rate: 250-300g/m² Approximately 1 bag per 80m²</p>

FlocLoc
A Flocculating
Soil Stabiliser

1.4kg

Designed to coagulate suspended soil particles, dropping them from runoff. Reduces soil erosion and improves water infiltration into the seedbed. Increases water-holding capacity of the hydroseeding slurry and 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 m²



CropCare



10 Bunker Repair & Construction

10



CapillaryFlow

Capillary Concrete can reduce your golf course maintenance costs

Capillary concrete is a highly porous, free-draining concrete specifically engineered to allow rapid vertical water movement while retaining structural strength. Unlike traditional concrete, it contains no fine aggregates, creating interconnected voids that enable water to pass through efficiently. This makes it ideal for sports and equestrian surfaces where drainage, stability, and durability are critical.

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.

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

For golf course bunkers, capillary concrete is widely used as a bunker liner. Installed beneath the sand layer, it prevents contamination from the underlying soil, dramatically improves drainage after heavy rainfall, and reduces washouts, bunker flooding, and maintenance costs. The result is a more consistent bunker profile with ideal moisture retention and improved playability throughout the year, particularly in wet Irish conditions.

In horse arenas, capillary concrete is used as a stable, free-draining base layer beneath riding surfaces. It provides excellent load-bearing capacity while allowing water to drain quickly, helping to maintain a consistent, safe surface and reducing the risk of standing water, frost damage, and surface movement under hoof traffic.

Key Advantages

- ✓ Exceptional drainage performance
- ✓ Long-term structural stability
- ✓ Reduced maintenance and surface disruption
- ✓ Proven performance in wet climates



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 & Insured Installation with a performance guarantee.



11 Landscaping

11

Landscaping: Tools

Bulldog, True Temper & Felco Tools	Designed to withstand the rigours of everyday use and to give years of trouble free service. These robust, tried and tested ranges include:
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 Cycolac 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 (45cm x 45cm) with a stainless steel reinforced edge, ideal for clearing hollow cores from golf greens and landscaping debris.
Hoes	
Hand Forks	
Bulb Planters	
Secateurs	Felco tools. Replacement blades & springs available.

Rakes

Polypropylene Rakes

Spring time & Polypropylene leaf rakes.



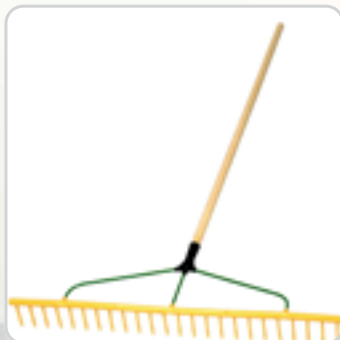
No. 16P. 25" wide, 16 teeth

Use on soil, gravel, grass and leaves. Also useful for bunkers.



No. 32P. 25" wide, 32 teeth

Self cleaning leaf and grass rake with back supports to allow debris to build up on the rake.



No. 24P. 39" wide, 24 teeth

1 metre rake. 1/3 wider than 16P

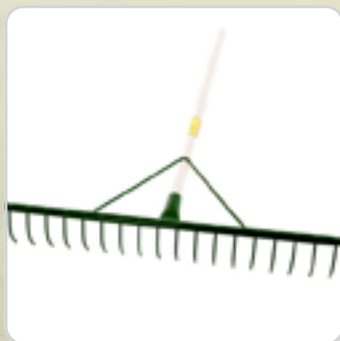


No. 48P. 39" wide, 48 teeth

1 metre rake. 1/3 wider than 32P

Steel Rakes

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



No. 18E. 28" wide, 18 teeth 1.5" gap between teeth

Backedge for grading and levelling.



No. 18S. 28" wide, 18 teeth 1.5" gap between teeth.

Ideal for hard packed soil.



No. 18L. 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.



No. 18K 22" wide, 18 teeth 1" gap between teeth.

Suitable for all purposes. A short backward push cleans rake of wet leaves, grass, rubbish, etc.

Landscaping: 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.

Tree & Shrub Protection

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

Ground Cover / Windbreak / Crop Protection

Grass Germination Sheet 30g Strength	10.5 m x 250 m	Heavy duty germination sheet. Protects from wind, birds, frost & scorching. Helps retain good ground moisture.
Croptex Ground cover	1 m x 50 m 2 m x 50 m 3.25 m x 50 m	Heavy duty woven UV stabilised ground cover used to suppress weed germination.
Weed Guard	2.25 m x 50 m	Heavy duty landscape fabric. Very handy for use on shrub beds. Cuts neatly.
Wind Break	1 m x 50 m 1.2 m x 50 m 2 m x 50 m	A range of heavy duty monofilament windbreak netting.
Pegs	Box of 1000	To fix sheeting and sods.



Landscaping: Sprayers

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.



Solo Classic:
473D - 10 litre



Solo Classic:
475D - 15 litre



Solo Classic:
456 - 5 litre

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.



Solo Comfort:
475 - 15 litre



Solo Comfort:
435 - 20 litre



Solo Comfort:
457 - 7.5 litre

solo[®]



Solo Pro: 425 15L

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.



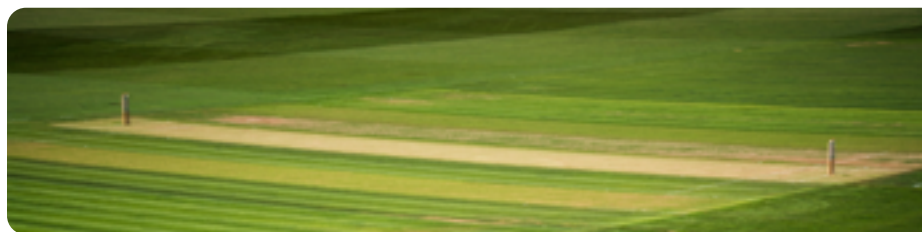
Solo Battery Operated: 442 16L

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.

Solo Extras:

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

Pedestrian Sprayers



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.



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.





Team Sprayers has been manufacturing agricultural, groundcare and horticultural sprayers since 1981. Their custom built British sprayers are all designed to be robust and simple to use whilst providing efficient application.

Team Cub Sprayer - 25L

Featuring a 25 litre removable tank, the Cub sprayer is compact and easy to operate, featuring two pneumatic wheels and an adjustable pressure control system as standard, ensuring constant, accurate liquid application. Adjustable pressure control system and two pneumatic wheels ensuring constant, accurate liquid application.



Specifications

25L tank (removable)
2M 4 nozzle folding boom
12V diaphragm pump
Adjustable pressure control
12V quick charge battery and charger



Team Scout Sprayer - 60L

Efficient and reliable groundcare sprayer which hosts a range of features, but is simple to operate and maintain. It features an adjustable pressure control system as standard, which ensures constant, accurate liquid application. The Scout sprayer also features two pneumatic wheels with the option of adding a third 'jockey type' wheel which increases sprayer manoeuvrability and handling.



Specifications

60L tank
2M 4 nozzle folding boom
12V diaphragm pump
Adjustable pressure control
12V quick charge battery and charger
Optional 2 wheel version



Team Ely Sprayer

The Team Ely sprayer is one of our larger pedestrian groundcare sprayers, making it a superb sprayer for golf clubs. It features either a 90 litre or 120 litre tank and comes with an adjustable pressure control system as standard, to ensure accurate application of product. The Team Ely sprayer also comes with the option of a third wheel for enhanced manoeuvrability.



Specifications

90 or 120L tank
2M 4 nozzle folding boom
12V diaphragm pump
Adjustable pressure control
12V quick charge battery and charger
Optional 3 wheel version



Extras

- 120L Tank (Ely Only)
- 1M Driftmaster covered boom system
- Upgraded 14Lpm
- Engine driven diaphragm pump (Ely only)
- 7M hand lance kit
- Tow Bar (Scout only)
- 3M 6 nozzle folding manual spray booms
- 5L Bout / foam marker kit
- 12V diaphragm pump
- Triple Nozzle assemblies
- Hose reel and hand lance kit
- Boom isolation valves (2 off)

Spreaders



Appli-Tec 2000 Spreader

The Appli-Tec 2000 Spreader is a high-performance rotary spreader designed for greenkeeping, sports pitch maintenance, and professional grounds management. Built for accuracy, consistency, and durability, this spreader ensures precise application of fertiliser and lawn feed across all turf surfaces. The Appli-Tec 2000 uses a patented helical cone system to provide turf managers with an accurate, consistent, and even distribution of granules across all turf areas.

Hopper capacity: 25kg
Spread: 2m-6m



Appli-Tec Dual Spreader

Appli-Tec Dual Spreader is a practical and budget-friendly solution for greenkeepers, grounds managers, and sports pitch maintenance professionals. Designed as a cost-effective alternative to the Appli-Tec SR2000, this rotary spreader delivers consistent, efficient fertiliser application - ensuring even turf coverage and optimal results without the premium price tag. Dual Agitator Pins – Ensures consistent material flow for smooth application.

Hopper capacity: 25kg
Spread: 3-4m



ICL AccuPro 360ST

The AccuPro 360ST is a professional rotary spreader with SmartSpread™ technology for precise fertiliser application. Features a robust stainless-steel frame, maintenance-free gearbox, and a 30kg capacity hopper. Additional features include pneumatic tyres, an ergonomic handle, and a removable rain cover.

Holding capacity: 30kg
Spread Width: 4m



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ICL Accupro Drop Spreader

The Accupro Drop Spreader is a precision turf and landscape spreader. Its drop-style design ensures uniform distribution of fertilisers, seed, and soil amendments right where they are needed, reducing waste and minimising edge overlap. Built for durability and ease of use, the Accupro Drop delivers professional results across beds, borders, sports turf, and amenity spaces.

Hopper capacity: 46L
Spread: 61cm



Gandy Drop Spreader

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.

Hopper capacity: 102kg
Spread: 91cm



A person is operating a white line marking machine on a green lawn. The machine has a tank, a pump, and a spray nozzle. The person's hand is visible on the handle. The machine is moving across the lawn, leaving a white line behind it. The background is a large, well-maintained green lawn.

12 Line Marking

12

Line Marking

Pitch perfect line marking solutions

Our extensive product range suits all ranges of budget and needs to create the perfect results for all sports line marking needs. As part of the CropCare line marking range we now provide GPS robotic line marking with the distribution of TinyMobileRobots in Ireland. Our WhiteLine paint range is part of a multi-award winning pitch paint delivering unbeatable bright, crisp lines.



WhiteLine Complete Transfer Wheel Marking Paint

A ready-to-use marking compound providing bright, durable white lines on grass surfaces. Designed for use with transfer wheel line marking machines.

Directions:

- Ready to use - do not dilute
- Ensure the machine tank is clean before use
- Pour directly into the line marking machine



WhiteLine Extra

A highly concentrated line marking compound designed to produce bright white lines on grass surfaces. Suitable for use with spray or transfer wheel line marking machines.

Application Rates:

- **Initial Marking:** 1 part paint : 4 parts water
- **Overmarking:** 1 part paint : 8 parts water

Dilution rates may vary depending on ground & weather conditions.



WhiteLine Advance

A ready-to-use advanced marking compound providing bright white lines on natural grass surfaces. Designed for use with modern line marking machines in the best sporting environments.

Directions:

- Shake well before use
- Use neat - do not dilute
- Pour directly into the line marking machine



WhiteLine Advance IT

A high performing ready-to-use marking compound designed to produce bright, durable white lines on natural grass surfaces. Suitable for use with modern spray line marking machines.

Directions:

- Shake well before use
- Use neat - do not dilute
- Pour directly into the line marking machine

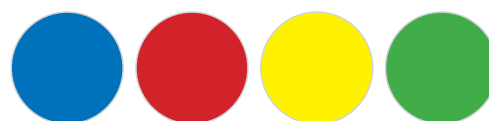
Why choose WhiteLine Paints?

- **Ready-to-use:** No measuring, no mixing, no mess
- **Time saving:** Quick start, fewer re-fills, faster finish
- **Cost savings per pitch:** Less paint, no added water, reduced labour
- **Great visuals:** Crisp lines, bright white or vibrant colours
- **Fast drying:** Rainfast in as little as 20 minutes
- **Long lasting:** Highly rain resistant once dry, no 'ghosting'
- **Flowability:** High atomisation through unique nozzles
- **Flexibility:** All surfaces – natural grass, hard and synthetic surfaces*
- **Bespoke colours:** Colour matching available on request

ColourLine Marking Paint

Available in blue, red, yellow & green

- WhiteLine Concentrate Colour Range
- Spray Markers
- Transfer Wheels



Pedestrian Line Marker Machines



iGo Premier

- Clear forward slight of line to aid precision marking
- Circulatory paint system for constant flow and easier cleaning
- Ergonomic design with a choice of handle bars
- Optional solenoid – solenoid valve provides instant paint cut-off
- Pre-drilled line widths from 2" (5.08cm) to 4.7" (12cm)
- Pneumatic tyres provide excellent stability and manoeuvrability
- Designed for Impact Match ready-to-use paint and cone nozzle technology.



iGo Mini

- New twin probe, circulating system for internal paint distribution
- Six hours constant spraying time from powerful 20 amp power unit
- Pre-drilled disc spacers for quick and easy line width changes
- Fully adjustable handle- bar height to suit operator preferences
- Pneumatic tyres for excellent surface stability and manoeuvrability
- Robust, high-gloss warm touch powder coated framework
- Compact, easily portable and highly manoeuvrable.



Dimple

- Interchangeable 5cm and 8cm marking wheels
- Available also as a 10cm model
- Choice of standard rubber pneumatic-tyre wheels
- Tank capacity of 16 litres
- Marks out approximately two football pitches with one filling



Linesman

- Ideal for use on smaller grounds and tennis courts
- Interchangeable 5 and 8cm marking wheels
- Choice of tank capacity 9 and 14 litres
- Available with a 10 cm marking wheel on the 3 gallon model.
- Optional pneumatic-tyres

TinyMobileRobots®

High-precision, reliable outdoor robots that perform precision marking & stake out. Sports line marking has never been easier.

Why choose robotic line marking?

- No more strings and measuring by hand: Initial markings are just like remarkings
- 100% autonomous GPS line marking robot to free up time for grounds staff
- Fast, accurate and repeatable line markings every time
- 200+ pitch templates which can be scaled/ modified
- Works day and night, even in rough weather
- Payback often within year one of operation
- High accuracy and quality
- TinyLineMarker Pro X

The TinyLineMarker App

Pitches

- Drag, resize, copy, customise and save
- Place your pitches directly on background map
- Cloud storage for safety, sharing and log history of your fields
- All your pitch layouts are stored online, ready to be repainted next season

Software features

- Select multiple pitches at once
- Get a notification on your tablet when your line marker is no longer applying paint
- Paint a large-scale custom logo on your turf - simply copy your logo to the tablet and press start
- Control every single line of your pitch and the robot's driving path directly from the tablet, with advanced edit mode

Controlling the Robot

- Adjust pitch settings and robot settings directly from tablet for best results
- Run test drives before painting your pitches
- Manual and automatic mode

Initial Pitch Marking Times

Rugby Union: 30 minutes | Football: 20 minutes | GAA: 40 minutes





Specifications





TinyLineMarker Pro X

A versatile, GPS-guided, line marking robot, ideal for councils, contractors and larger universities

The TinyLineMarker Pro X offers the most advanced robotic technologies for precision line marking. 100% autonomous, it produces fast, accurate and repeatable line markings every time, freeing up valuable time for grounds staff.

With its powerful performance, robust design and large, high-traction wheels, the TinyLineMarker Pro X can tackle any size pitch, or multiple pitches, with ease.

The TinyLineMarker Pro X is powered by a brushless electric motor, with low energy consumption and zero emissions, making it an eco-friendly choice, especially when used with Impact ready-to-use paint.

When you choose a TinyMobileRobot, you will receive comprehensive training and full after-sales support from our experienced team. We also offer a choice of payment and ownership options.



Specifications

Weight: 35kg

Dimensions (H x L x W): 720mm x 920mm x 740mm (28" x 36" x 29")

Wheels: Large Pro X wheels for high traction on any surface

Line Widths: 5-10mm (2"-4")

Movement Sensors: -

Battery Type: Lithium-ion 640wh (UK charger included)

Spraying Times: 5 hours from a single charge

Paint Capacity: 10 litres (Impact Ready-to-use)

Marking Speed: 4 kph (1.1mt/s)

Delivery: Shipped directly within two weeks

Pitch Templates: All pitch templates included

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.



PLiFix Synthetic Grass Tuft Implants

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.



12

Specialist Nozzles for Line Marking

New Stainless Steel Nozzles

Our brand new Stainless Steel Nozzles are reusable and easy to clean. These nozzles are long lasting and reduce the amount of plastic that would be used to make cone nozzles.

Product	Flow Rate @ 5.5 Bar / 80 PSI
Red Stainless Steel Nozzle	1.5 litres in 10 minutes (0.15 litres/minute)
Amber Stainless Steel Nozzle	1.9 litres in 10 minutes (0.19 litres/minute)
Green Stainless Steel Nozzle	3 litres in 10 minutes (0.3 litres/minute)

Cone Nozzles

Product	Flow Rate @ 5.5 Bar / 80 PSI
Gold Cone Nozzle	1.1 litres in 10 minutes (0.11 litres/minute)
Blue Cone Nozzle	3 litres in 10 minutes (0.3 litres/minute)
Red Cone Nozzle	1.5 litres in 10 minutes (0.15 litres/minute)
Amber Cone Nozzle	1.9 litres in 10 minutes (0.19 litres/minute)
Green Cone Nozzle	3 litres in 10 minutes (0.3 litres/minute)

Flat Fan Nozzles

Product	Flow Rate @ 3 Bar / 43.5 PSI
Green Flat Fan Nozzle	1.1 litres in 10 minutes (0.11 litres/minute)
Yellow Flat Fan Nozzle	8 litres in 10 minutes (0.8 litres/minute)
Blue Flat Fan Nozzle	12 litres in 10 minutes (1.2 litres/minute)



13 Snow & Ice Management

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ICE MELT

PREMIUM DE-ICER

<p>Eco Ice Melt 15kg Bag</p>	<p>Biodegradable natural de-icer containing premium marine grade salt, liquid de-icer & corrosion inhibitor.</p> <ul style="list-style-type: none"> • Effective • Spreadable • Environmentally safe • Minimal residue <p>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.</p> <p>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.</p> <p>Application rate: 15g/m²</p>
<p>Eco Ice Melt Liquid 20L & 200L</p>	<p>Melts ice and snow on car parks, driveways, pathways, steps, gangways and environmentally sensitive areas.</p> <ul style="list-style-type: none"> • 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. <p>To remove ice: Spray over ice cover @ 20ml /m²* To remove snow: Spray over snow cover @ 30ml /m² To prevent ice forming: Spray over area @ 20ml /m² * To prevent snow settling: Spray over area @ 10ml /m²</p> <p>Re-apply when new accumulation shows first tendency to bond. * In extreme temperatures (lower than -50°C) higher rates may be necessary.</p>
<p>Provifrost KA 1000L</p>	<p>An environmentally-friendly de-icing fluid for airport runways, taxiways & aprons. It is a 50% aqueous Potassium Acetate solution containing corrosion inhibitors. Provifrost KA is phosphate, chloride, nitrate, & nitrite-free and does not contain azole type molecules.</p> <p>To prevent ice forming: Spray over area @10-20ml/m²</p>
<p>Provifrost NF 25kg</p>	<p>A high performance solid de-icer for airport runways, taxiways and aprons. It is a minimum 97% sodium formate with corrosion inhibitors. Provifrost NF contains no chlorides, has excellent melting properties and is active at low temperatures (-18°C).</p> <p>Application rate: 10-30g/m²</p>
<p>De-icing Salt 25kg</p>	<p>Premium grade Snow White de-icing salt. High quality, free flowing, white de-icing salt. Complies with BS3247:2011 specification for salt spreading. Contains anti-caking agent. Lower moisture content will make spreading easier and effective application rates</p> <p>Application rate: 20-30g/m²</p>

Salt & Ice Melt Spreaders

Mont Blanc

Mont Blanc Spreader's professional construction treats up to 1,000m² 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 550m²



Matterhorn

The manually pushed Matterhorn spreader manages to treat up to 625m² 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 2,000m²



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 6,000m².

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 m². The electrical installation is connected into the vehicle socket.

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



Aluminium Snow Shovel

Aluminium Snow Shovel with stainless steel reinforced leading edge (45cm x 45cm) is 18" wide heavy-duty poly blade with extra-large wear strip. 55" overall length.



14 Irrigation

Hoses & Sprinklers

Tricoflex Yellow Hose	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
Perrot Rollcart Travelling Sprinkler	The Rollcart / Tracker travelling sprinkler moves and irrigates independently. Used mainly for large sized green areas, sport fields, nurseries and gardens.
Porous Piping - Drip Hose	Gives a gentle drip feed of water, porous pipe can be buried or laid on the ground and allows the water to seep out gradually – ideal for trees, shrubs and borders.
Geka Brass Connectors	1/2 ", 3/4 ", and 1" fittings
Sprinklers	3600 Wheeled Tripod.



An aerial photograph of a person wearing a red and black safety harness and helmet, standing on a green field with white lines. The person is positioned in the center of the frame, looking down. The background is a vast, green field with white lines, suggesting a sports field or a large agricultural area.

15 Work Wear

Rainwear

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 Quilted 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 Lined 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 Boiler Suit

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



Sepp 3-in-1 Jacket, Fleece & Over Trousers

Elasticated waist and stud fastening at the leg ends.



Safety & Spraying Clothing

Spray Suits	CHEMTEX one-piece suit with hood and zip covered by double press stud flap. TYVEK white Disposable one piece with hood. FLEXOTHANE one-piece spraysuit. Light weight and comfortable to wear. Size: M-XL
Chemical Gloves	NITRILE gauntlets. Resistant to chemicals, oil, grease and solvents. LATEX gloves disposable. Quantity: 100x per box
Brow Guard & Visor	Provides eye protection while strimming or filling spray tanks. Available in clear polycarbonate & wire mesh replaceable visor.
Glasses	Provides eye protection while strimming or filling spray tanks. Available in clear polycarbonate & wire mesh replaceable visor.
Earmuffs	Peltor H7. Comfortable over long periods, provides excellent attenuation. Can be worn with or without safety helmet.
Helmet	Moulded lightweight shell, adjustable headband. Accessories, ear muffs, & visor can be attached.
Footwear	Steel toe cap work boots. Heat, oil and acid resistant smooth sole that won't mark greens. Very comfortable.
Chemical Goggles	Chemical resistant with indirect vents.
Goggles	Directly ventilated general purpose goggle.
Dust Mask	3M nuisance dust mask. Disposable not suitable for spraying. Quantity: 20x per box
Ear Plugs	Disposable foam ear plugs. Quantity: 250x per box
Gloves	Polyflex Plus lightweight work gloves. Leather freezer fleece lined work gloves.
Workwear	Snickers high quality workwear. Ask for colour catalogue





16 Miscellaneous

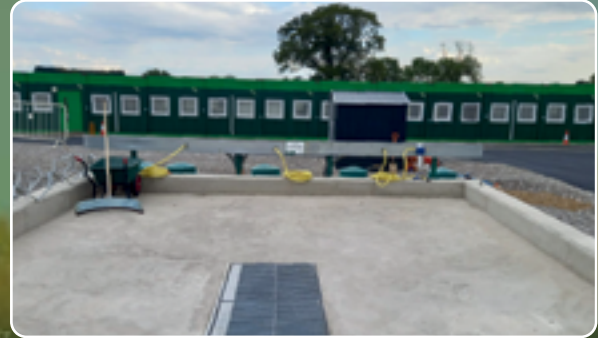
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Waste Water Treatment

ClearWater
Water Recycling Systems
A division of Acumen Waste Services



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



Easier solution for mixing solubles

1350 litre capacity. Mix rate of 600 litre/minute.

This system offers significant time and labour savings, which is especially important when working within weather or course traffic constraints. It enables the use of more precise, customised fertiliser mixers, improving efficiency and results. Additionally, it reduces costs compared to purchasing low concentration liquid fertilisers while cutting back on packaging and transportation.

Unit is available with either a Koshin Agromate Thermoplastic Petrol pump or a Pedrello Electric Pump, providing flexibility to suit differently operational needs.



We supply a range of **course accessories** with both UK and USA Flagpoles

ACP  **AlgoClear**
Cleaning Process


Aquaritin
TURF SOLUTIONS

 **Aquatrols**[®]

 **ATPI**

 **BARENBRUG**

 **CapillaryFlow**

envu[™]

 **ICE MELT**
PREMIUM DE-ICER

 **ICL**


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