

PRODUCT GUIDE





Team

We continue to grow our team and now run with four area representatives allowing us to cover more of the country. With a combined total of over 100 years of both practical and technical experience we can work with clients to support them in achieving their objectives.



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Performance Tester / Advisor and Pre Tournament Support



Robert Patterson
Grassman Turf Solutions

We are delighted to work alongside Robert Patterson. Robert’s experience in greenkeeping management, turf performance monitoring and tournaments offers our customers the opportunity to tap into this wealth of knowledge. Robert will carry out the performance testing along with additional reports and support. We are also excited to add pre tournament support to his offering which he has vast experience of during his time at both Royal Dornoch Golf Club and Royal Aberdeen Golf Club.



Key Suppliers



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FERTILISER

- FINE TURF GRANULES
- OUTFIELD/LANDSCAPING GRANULES
- LIQUIDS
- GROWTH PRODUCTS
- SOLUBLES
- PLANT CONDITIONERS



Greenmaster Pro-Lite

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



AREAS FOR USE:

GREENS, TEES, FAIRWAYS & STADIA PITCHES

Greenmaster Pro-Lite is an outstanding conventional release, micro-granular homogeneous fertiliser range that delivers high quality nutrition for fine turf. The range contains various analyses designed to optimise turf health throughout the year.

Greenmaster Pro-Lite Benefits:

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

Product Information*

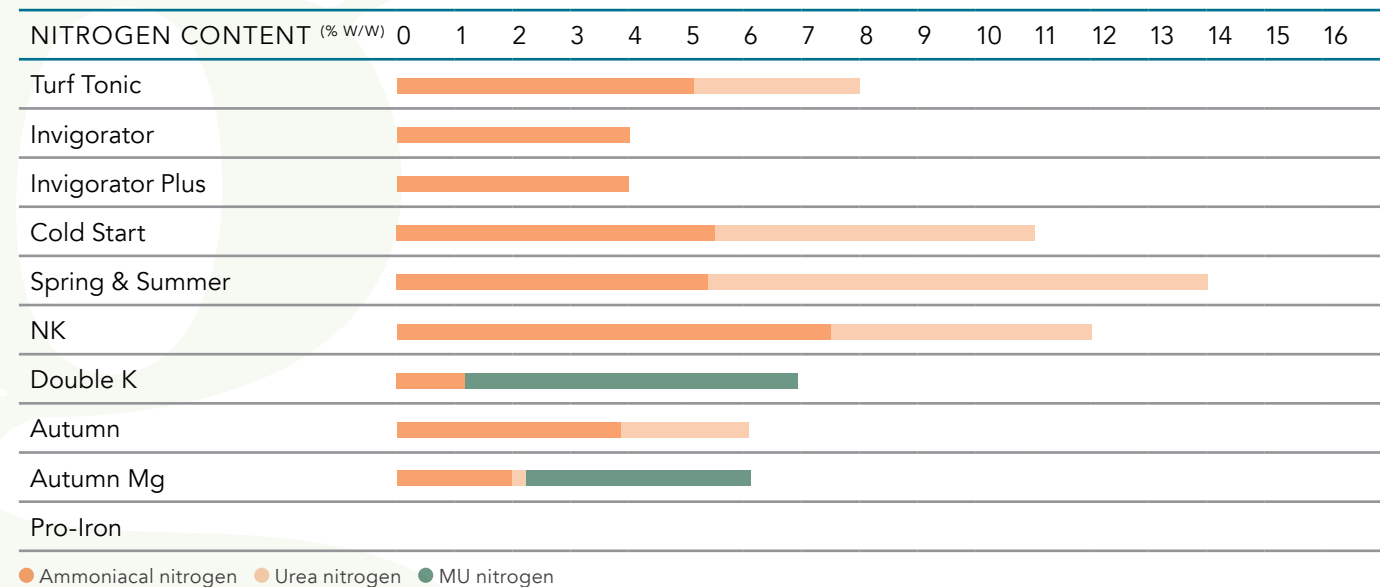
- Pack Size: 25kgs
- Granule Dispersal: 3-4 days
- Turf Response: within 7 days
- Longevity: 4-8 weeks

*depending on environmental factors

Application Rate: 25-35g/m²



PRODUCT NAME	PRODUCT ANALYSIS	Kgs N @ 30g
Turf Tonic	8-0-0 + 3MgO + 3Fe	24
Invigorator	4-0-8 + 3.3MgO + 4Fe	12
Invigorator Plus	4-0-14 + 2MgO + 8Fe	12
Cold Start	11-5-5 + 8Fe	33
Spring & Summer	14-5-10 + 2MgO	42
NK	12-0-12 + 3MgO + 2Fe	36
Double K CalMag	7-0-14 + 8CaO + 4MgO + 3Fe	21
Autumn	6-5-10 + 6Fe	18
Autumn Mg	6-5-11 + 3MgO + 0.5Fe	18
Pro-Iron	0-0-0 + 7Fe + 3MgO + Seaweed	-



Sierraform GT

High performance long-lasting micro-granular fertilisers

AREAS FOR USE:
GREENS, TEES, FAIRWAYS & STADIA PITCHES

Sierraform GT is a high performance range, designed for use on high quality, fine turf throughout the year. Each granule contains conventional and slow-release nutrient sources for consistent and sustained release patterns.

Sierraform GT Benefits:

- Slow release nitrogen and potassium for consistent and sustained results
- Even spread at ultra-low application rates
- Granules break down and disperse quickly
- Slow-release nitrogen and potassium benefits root development and stress tolerance

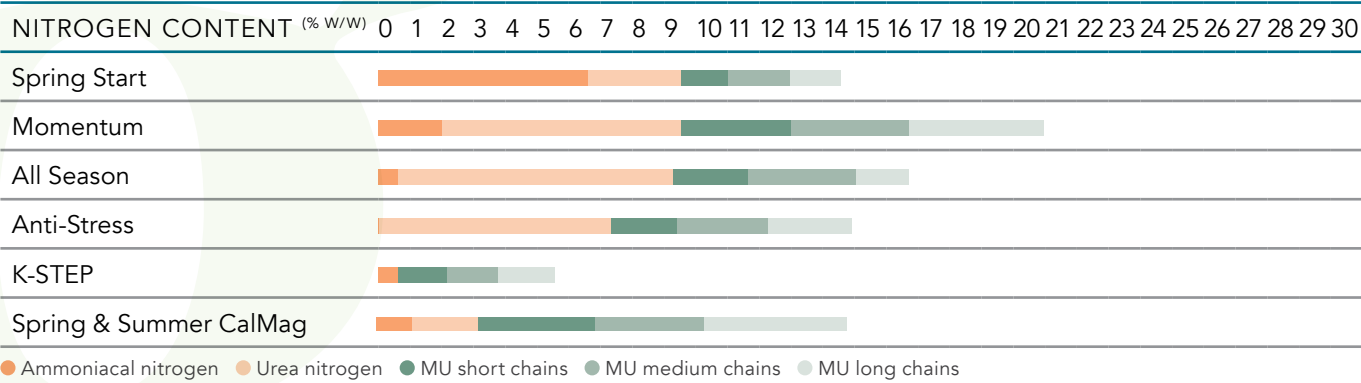
Product Information*

- Pack Size: 20kgs
- Granule Dispersal: 2-3 days
- Turf Response: 7 days
- Longevity: 6-8 weeks

* depending on environmental factors

Application Rate: 20-30g/m²

PRODUCT NAME	PRODUCT ANALYSIS	Kgs N @ 20g
Spring Start	16-0-16 + Fe + Mn	32
Momentum	22-5-11 + 2MgO + TE	44
All Season	18-6-18 + 2MgO + TE	36
Anti-Stress	15-0-26 + Fe	30
K-STEP	6-0-27 + 2MgO + TE	12
Spring & Summer CalMag	14-0-7 + 8CaO + 5MgO + TE	28
STEP Hi-Mag	19.8MgO + 0.5Cu + 8Fe + 3Mn + Zn	-



groGreen Fertiliser Range

Introducing groGreen’s specialised range of high quality homogenous mini and micro granular fertilisers, which have been tried and tested over the last few seasons.

groGreen GP Fertiliser Benefits:

- GP Micro Formulation Granules
- GP Mini Formulation Granules
- Homogenous granules for even distribution
- Tried, tested and approved analysis
- Micro-granule formulation
- Consistent distribution, even at low rates of application
- High quality ingredients provide reliable release patterns

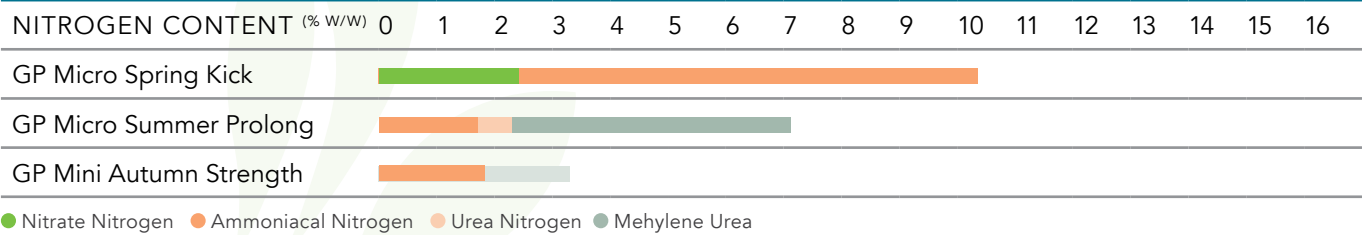
Product Information*

- Pack Size: 25kgs
- Granule Dispersal: 3-4 days
- Turf Response: within 7 days
- Longevity: 6-8 weeks

*depending on environmental factors



PRODUCT NAME	PRODUCT ANALYSIS	RATE OF APPLICATION	Kgs N @ 30g
GP Micro Spring Kick	10-4-4 + 4MgO + 3Fe + 8CaO + Seaweed	35-50 g/m ²	30
GP Micro Summer Prolong	7-0-7 + MgO + Fe + 2.5CaO	35-50 g/m ²	21
GP Mini Autumn Strength	3-0-22 + 4MgO + 3Fe + 6CaO + Seaweed	35-50 g/m ²	9
Lawn Sand	3-0-0 + 7Fe	40-70g/m ²	9
Lawn Sand - Autumn/Winter	0-0-8 + 6Fe + 1MgO	40-70g/m ²	-



GP MICRO SPRING KICK 10-4-4

“We have applied the 10-4-4 to greens, tees and approaches in spring for the last two seasons. The strong spring growth in the early part of the year allows us to reach our target with topdressing applications producing the desired playing surfaces quicker than when using other products.”

Shaun McNaughton,
Auchterarder Golf Club



Gronamic

High quality organo-mineral fertilisers designed for all types of turf

AREAS FOR USE:
GREENS, TEES, FAIRWAYS & STADIA PITCHES

Gronamic is a high quality organo-mineral fertiliser range designed for all types of turf to incorporate organic sources of nutrition into your programme without compromising quality or reliability.

- Gronamic Benefits:**
- Range of nitrogen sources provide phased N release, allowing even growth
 - Consistent granulation to ensure reliable performance
 - Polyhalite mineral included to supply CaO, MgO & K for healthy growth
 - Organic and mineral nutrient sources
 - Low C:N ratio to ensure optimal nutrient availability

- Product Information***
- Pack Size: 25kgs (Golf Organic - 20kgs)
 - Granule Dispersal: Golf 1-2 days, Sport 2-4 days
 - Turf Response: 3-7 days
 - Longevity: 4-8 weeks

* depending on environmental factors

Application Rate: 25-40g/m²

PRODUCT NAME	PRODUCT ANALYSIS	SIZE	Kgs N @ 30g
Gronamic Golf	5-0-22 + 2MgO + 0.5 Fe	1-2 mm	15
	16-3-6 + 2MgO + 0.5 Fe	1-2 mm	48
Gronamic Golf - Organic	6-2-4	1-2.5 mm	18
Gronamic Sport	7-0-20 + 2MgO	2-4 mm	21
	16-3-6 + 2MgO + 0.5 Fe	2-4 mm	48
Gronamic All-round	10-4-5 + 2MgO + 0.5 Fe	2-4 mm	30



Sierrablen

Premium quality controlled release fertilisers for use on tees and outfields

AREAS FOR USE:
TEES, FAIRWAYS, SPORTSFIELDS, GREENS SURROUNDS & RACECOURSES

Sierrablen contains Poly-S and resin-coated controlled release fertiliser granules. The coating technology provides product longevity to suit individual requirements.

- Sierrablen Benefits:**
- Long-standing brand with proven performance in various climatic conditions
 - Coated granules provide extended longevity for up to 8-9 months
 - Provides a consistent nutrient release pattern that reduces leaching

- Product Information***
- Pack Size: 25kgs
 - Granule Dispersal: 10 days (visually dispersed from surface)
 - Turf Response: 10 days

*depending on environmental factors

Application Rate: 30-60g/m²



PRODUCT ANALYSIS	LONGEVITY	NOTES
38-0-0	4-5	20kg pack size
28-5-5 + Fe	5-6	
27-5-5 + Fe	8-9	



Sierrablen Plus

Premium technology controlled release mini-prill fertilisers

AREAS FOR USE:
TEES, FAIRWAYS, SPORTSFIELDS, STADIA PITCHES

Sierrablen Plus contains Poly-S and resin-coated PACE technology with conventional nitrogen sources to provide the best long-term nutrient release patterns.

- Sierrablen Plus Benefits:**
- The mini-granular formulation allows even coverage at low rates
 - 3+ months, 3-4 months and 5+ months longevities available
 - Extremely cost-effective at low application rates

- Product Information***
- Pack Size: 25kgs
 - Granule Dispersal: 7 days (visually dispersed from surface)
 - Turf Response: 7 days

**depending on environmental factors*

Application Rate: 15-45g/m²

PRODUCT NAME	PRODUCT ANALYSIS	LONGEVITY	NOTES
37-0-0	37-0-0	2-3	20kg pack size
Spring Starter	24-5-13	3	
Active	18-5-18 + 2MgO	4-5	
Spring & Summer CalMag	23-0-5 + 2CaO + 2MgO	4-5	Also available in 500kg bags
Spring & Summer	19-5-5 + 6Ca + 2MgO	4-5	
Spring Starter	24-5-8 + 2MgO	5+	Also available in 500kg bags
Stress Control	15-5-22 + 2MgO	5+	Also available in 500kg bags
Turf Starter Pearl	5-28-0 + 16MgO	3	



ProTurf

High impact fertilisers for tees, surrounds, fairways, sportsfields and lawns

AREAS FOR USE:
TEES, FAIRWAYS, SPORTSFIELDS, LAWNS & STADIA PITCHES

ProTurf is a range of high quality, blended fertilisers with controlled release technology. They are formulated to give a strong immediate response, combined with 2-3 months longevity.

- ProTurf Benefits:**
- Quick release portion gives immediate response
 - Controlled nutrient delivery sustains growth for 2-3 months
 - High quality blend in a cost-effective formulation
 - Contains polyhalite (with K, Mg and Ca)

- Product Information***
- Pack Size: 25kgs
 - Granule Dispersal: 8 days (visually dispersed from surface)
 - Turf Response: 7 days

**depending on environmental factors*

Application Rate: 20-35g/m²

PRODUCT ANALYSIS	LONGEVITY	NOTES
20-0-7 + 3CaO + 3MgO	2-3	Also available in 500kg bags
15-5-15 + 2CaO + 2MgO	2-3	Also available in 500kg bags
12-5-20 + 2CaO + 2MgO	2-3	Also available in 500kg bags



Sportsmaster

High quality mini-granular fertiliser range for sports and amenity turf

AREAS FOR USE:
TEES, FAIRWAYS, SPORTSFIELDS & STADIA PITCHES

Sportsmaster is the industry standard fertiliser for turf mown above 6mm, the various analyses are designed to maintain turf performance throughout the year.

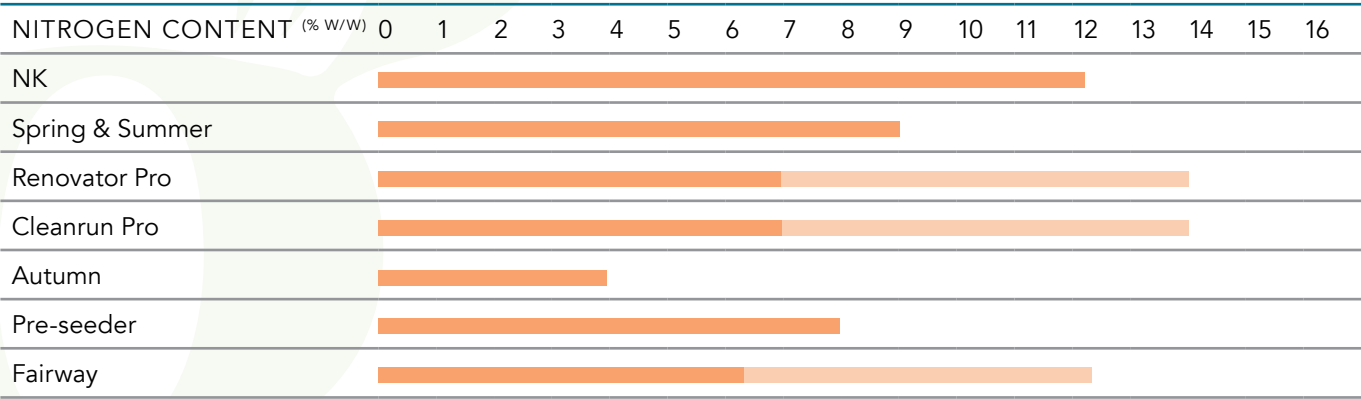
- Sportsmaster Benefits:**
- High quality ingredients within each granule
 - Uniformity of mini-granule allows even spreading at low rates
 - Quick breakdown of granule for fast response

- Product Performance***
- Pack Size: 25kgs
 - Granule Dispersal: 4-5 days
 - Turf Response: 7 days
 - Longevity: 6 weeks

*depending on environmental factors

Application Rate: 30-70g/m²

PRODUCT NAME	PRODUCT ANALYSIS	Kgs N @ 30g
NK	12-0-9 + Fe	36
Spring & Summer	9-7-7	27
Autumn	4-12-12	12
Pre-seeder	8-12-8 + 3MgO	24
Renovator Pro (MAPP) 16803	14-0-5 + Fe + MCPA + Mecoprop-P	42
Cleanrun Pro (MAPP) 15828	14-0-5 + MCPA + Mecoprop-P	42
Fairway	12-6-9 + 3MgO	36



Ammoniacal nitrogen Urea nitrogen

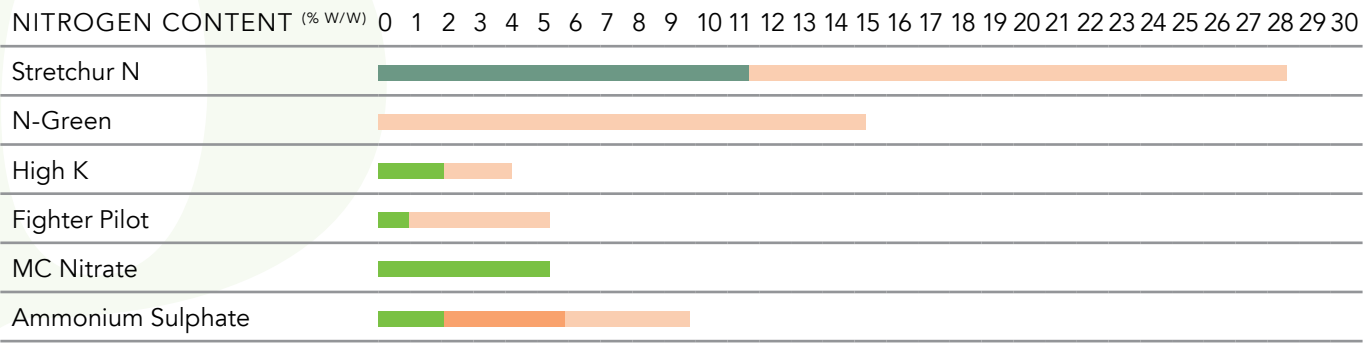
Turf
REWARDS



fielder
first for growth



PRODUCT NAME	PRODUCT ANALYSIS	PACK SIZE	N AT 10L/HA	APPLICATION RATE
Stretchur N	28-0-0	10ltr, 210ltr, IBC	2.8kg	20-40ltr/Ha
N-Green	15-0-0 + 4Fe + 1MgO	10ltr, 210ltr, IBC	1.5kg	20-40ltr/Ha
High K	5-4-20 + TE + Amino Acid	10ltr	0.5kg	10-20ltr/Ha
Fighter Commando	0-28-26 (Phosphite)	10ltr	-	5ltr/Ha
Fighter Pilot	5-18-0 + Ca + MgO (Phosphite)	10ltr	0.5kg	5ltr/Ha
MnM	6% Mn + 6%Mg	10ltr, 210ltr, IBC	-	5ltr/Ha
Mn350	35% Mn in Nitrate + Sulphate	10ltr	-	5ltr/Ha
Fielder Green	6% Fe + Seaweed + Humic	10ltr, 210ltr, IBC	-	20ltr/Ha
Complexed Iron	6% Fe + Fulvic Acid	IBC	-	20-40ltr/Ha
Copper 25	25% Cu	1ltr	-	250ml/Ha
MC Nitrate	5-0-0 + 2MgO + 5CaO	10ltr	0.5kg	10-40ltr/Ha
Ammonium Sulphate	17-0-0 + 10S	IBC	1.75kg	10-50ltr/Ha



Nitrate nitrogen Methylene urea Ammoniacal nitrogen Urea nitrogen

Sportsmaster Liquid 11-0-0+ 6% Fe

Cost-effective iron treatment for use on sportsfields and fairways

AREAS FOR USE:
SPORTSFIELDS, FAIRWAYS, OUTFIELDS

Sportsmaster Liquid Fe has been developed to provide a quick and long-lasting green-up to sportsfield and outfield turf. The product is an ideal tank-mix partner for Primo Maxx.

- Sportsmaster Liquid Fe Benefits:**
- Instant colour response
 - Long-lasting results (up to 4 weeks)
 - Cost-effective formulation

- Product Information***
- Pack Size: 200L, 640L & 1,000L
 - Turf Response: within 24 hours
 - Longevity: Up to 4 weeks

*depending on environmental factors

Application rate: 20-40 L/ha
Water Volume: 500 L/ha

AVAILABLE AS PART OF ULTIMATE PRIMO MAXX II PACKAGES - SEE PAGE 29



Consolidate Turf

AREAS FOR USE:
GREENS, TEES, FAIRWAYS, SPORTSFIELD, STADIA PITCHES

The **Consolidate Turf** products provide a balanced liquid feed for fine turf. The nitrogen in the Consolidate mixes is stabilised and inhibited to prevent soft, excessive top growth, whilst providing more energy for root development. This also helps produce a greater level of tillering and thickening of the sward, which also leads to quicker recovery, increased wear tolerance and greater drought tolerance.

- Product Information***
- Application Rate: From 10-60Ltrs/ha
 - Water Volume: 300-800Ltrs/ha
 - Turf Response: <24 hours
 - Longevity: 3-4 weeks

*depending on environmental factors

PRODUCT NAME	PRODUCT ANALYSIS	N/10L
Consolidate Plus	15-0-0 + 11CaO + 2MgO + 0.75Fe + 0.05B + Seaweed + Sugars	1.95kgs
Consolidate Links	15-0-0 + 11CaO + 2MgO + 0.05B + Seaweed + Sugars	1.95kgs
Consolidate Extra	15-3-9 + 5CaO	1.95kgs
Consolidate Winter	6-0-0 + 4CaO + 1.2MgO + 2Fe + 0.1Mn + 0.1Zn + 0.1Cu + 0.05B + Seaweed + Sugars	0.78kgs
Turf Defence (*Plus)	2.4Fe + 1.4Cu + 1.4Mn + 1.4Zn	-

*Turf Defence Plus has 5% Phosphite added



Growth Products Liquid Range

AREAS FOR USE:
GREENS, TEES, FAIRWAYS, SPORTFIELDS, STADIA PITCHES

Growth Products Benefits:

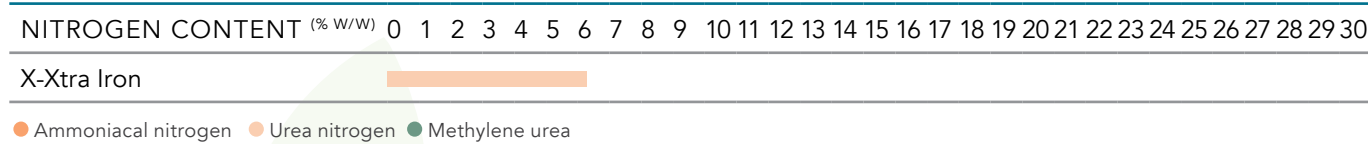
- Low application rate
- Low salt index range
- Contains smart nitrogen as slow release N to avoid growth flush
- Highly tacky/sticky to improve rainfastness
- Absorbed by both leaves and roots

Product Information*

- Pack Size: 10L & 200L (Residue - 450g)
- Turf Response: < 24 hours
- Longevity: 2-10 weeks

*depending on environmental factors

PRODUCT NAME	PRODUCT ANALYSIS	N AT 10L/HA	APPLICATION RATE
SAR Activator	10% Salicylic Acid	0	4-10L/HA
DR Residue Complete	Blended Micro Organisms	0	225g/HA
X-Xtra Iron	6-0-0 + 9Fe	0.6kgs/ha	10-30 L/HA



Essential Plus

100% Natural Organic Soil Amendment with 21 L-Amino Acids

Essential Plus Benefits:

- Rejuvenates soil structure
- Food source for microbial activity
- Contains 21 natural L-Amino Acids
- Root stimulator
- Reduces salts
- High fungal food content to favour perennial species

Pack Size: 10L

Application rate: 4-10 L/ha
Water Volume: 600 L/ha



GREAT TANK MIX PARTNERS!
IDEAL PRODUCTS TO APPLY ALONGSIDE WETTING AGENT.

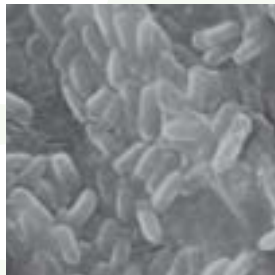
Companion

Companion Benefits:

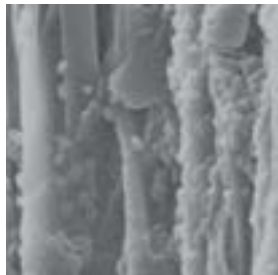
- Directly competes against soil-borne pathogens by quickly colonising a plant's root hairs with beneficial bacteria, creating a 'shield' to protect plants.
- Produces strong metabolites that make the root hair environment hostile to other bacteria and fungi.
- Creates a highly beneficial Induced Systemic Resistance (ISR) by stimulating the plant's phytohormones and natural immune system to better resist stress.
- Acts as a Plant Growth Promoting Rhizobacterium (PGPR) that stimulates rooting and better overall growth.
- Contains gram-positive (spore forming) bacteria which survive in even extreme environmental conditions including heat and drought, making it a durable and reliable product that turf managers can trust.
- Rich organic solution acts as a food source to help the Bacillus substilis multiply and establish colonies.

Pack Size: 4L

Application rate: 4L/ha
Water Volume: 300L/ha



Bacillus substilis GB03 from Companion® on Root Surface



Roots Colonized By Bacillus substilis GB03 from Companion®

Ryder

A turf pigment that provides an incredible visual effect

RYDER provides an incredible visual effect – producing a deep, desirable green colour – with a shade and intensity you can manage to suit your course and conditions. At the same time, RYDER enables you to manage light - to make it work more efficiently for your turf plants.

AREAS FOR USE:
GREENS, TEES, FAIRWAYS, SPORTFIELDS, BOWLING GREENS, CRICKET OUTFIELDS, CRICKET SQUARES

- Ryder Benefits:**
- Great lasting colour – that can be tailored to your turf demands
 - Protection from harmful UV radiation and high light intensities
 - Rainfast in 1 hour

- Product Information***
- Pack Size: 1L & 5L
 - Turf Response: Immediate
- *depending on environmental factors



GreenSpeed Si

A mixed micro-nutrient fertiliser with the highest available content of silicon (45%). Also contains Iron and Zinc.

AREAS FOR USE:
GREENS, TEES & FAIRWAYS

- Increased stress tolerance and resilience
- Improved ball roll
- Tank mixes well
- Low application rate

Pack Size: 1L

Application Rate: 0.5-1 L/ha



Soluble Fertilisers

The WSF Range of soluble fertilisers contains TMax to enhance nutrient uptake. The foliar and root uptake gives a rapid response that is then sustained for a number of weeks. The range of analysis is designed for use throughout the year.

Straight Soluble Fertiliser Range

PRODUCT NAME	ANALYSIS	PACK SIZE	Kgs N @ 10kg
Sportsmaster WSF High N	35-0-14 + Fe	15kgs	3.5
Sportsmaster WSF	28-5-19 + TE	15kgs	2.8
Sportsmaster WSF High K	15-0-43 + Fe	15kgs	1.5
Ammonium Sulphate	21-0-0	25kgs	2.1
C-Tech Urea	46-0-0	25kgs	4.6
Ferrous Sulphate - Iron	19.5% Fe	25kgs	-
Master Magnesium	7% MgO + S + TE	10kgs	-
Master Manganese	30% Mn + Cu + Mg + SO ₃	10kgs	-
EPSO Top Magnesium Sulphate	16% MgO + 32.5% SO ₃	25kgs	-
Potassium Sulphate	0-0-51 + 18S	25kgs	-
Calcium Nitrate	15.5% N + 26.3% CaO	25kgs	1.6



SEAWEED PRODUCTS

Sea Nymph has cemented itself as the number one choice with many of the flagship golf courses in the UK. The availability to the plant makes this an all year round product with exceptional turf responses being seen.



Super Concentrate

AREAS FOR USE:

GREENS, TEES & FAIRWAYS

- A 30% liquid seaweed extract for all year round use and can be tank mixed with a range of products. Rebuilds the natural suppression status of depleted soils and encourages strong root systems through plant metabolic and microbial activity. Ideal in stressful conditions.
- Instant availability
- All year round use
- Tank mixable with most liquids
- Effective during periods of stress

Pack Size: 10, 200 & 1,000L

Application Rate: 10-20 L/ha



SUPER CONCENTRATE

"I first used Super Concentrate Seaweed after tidal damage. The response was immediate and the turf health improved within a matter of days. This is now part of my regular applications and I always add Super Concentrate into both my wetting agent and foliar applications. Rootmass and plant health has certainly improved."

*Paul Armour,
Dunbar Golf Club*



"I moved onto Super Concentrate along with H2Pro Trismart wetting agent after suffering during a period of drought. I feel we now have full control of both moisture and plant health even during high pressure periods."

*Ali George,
Hawick Golf Club*



Asco-Phite 17% Phosphite

AREAS FOR USE:

GREENS, TEES & FAIRWAYS

- 30% Seaweed + 17% Phosphite.
- Monthly application through seasonal pressure periods is recommended.
- Also aids in nutritional uptake by the plant.
- Phosphite very mobile within the plant.
- Aids plants immune system.

Pack Size: 10, 200 & 1,000L

Application Rate: 10 L/ha



Competition 2.5-0-7 + 6%Fe + 9%Seaweed

AREAS FOR USE:
GREENS, TEES & FAIRWAYS

- Sea Nymph competition is a blend of N & K with a high concentrated complexed Iron mixed with seaweed.
- Can be used all year round and designed to give good colour, improves plant health and is aimed to tickle the plant along without extended growth.
- Does not blacken the sward due to fully complexed Fe.

Application Rate: 20-40 L/ha



COMPETITION

“Competition is our go to product in the growing season. We feel the colour is natural without blackening and the added benefit of seaweed being part of the formulation means it’s far more than just a fully complexed iron.”

Steven Wilson,
Trump International Golf Links Scotland



PLANT PROTECTION & WEED CONTROL

- FUNGICIDES
- SELECTIVE HERBICIDES
- GROWTH REGULATOR
- INSECTICIDE
- INDUSTRIAL
- HARD SURFACE



Instrata Elite MAPP 17976

(80.3g/L difenoconazole & 80.3g/L fludioxonil)

Outside In Protection. Contact and systemic action against Microdochium

AREAS FOR USE:

MANAGED AMENITY TURF

Instrata Elite Benefits:

- Contact and systemic active ingredients
- Broad Spectrum
- Acts on all stages of the disease cycle
- Protective and curative action
- Rainfast in 30 minutes
- Pack coverage: 1 hectare

Label Approved Diseases:

- Microdochium patch
- Anthracnose
- Dollar spot
- Brown patch

Pack Size: 1 & 3L

Maximum individual dose: 3 L/ha

Water volume: 125 - 500 L/ha

Maximum number of treatments: 2 per year



Medallion TL MAPP 15287

(125g/L fludioxonil)

A very effective cold season fungicide

AREAS FOR USE:

AMENITY TURF, AMENITY GRASSLAND

Medallion TL Benefits:

- Works on leaf thatch and soil
- Long lasting control in winter conditions
- Ideal as a preventative disease application

Label Approved Diseases:

- Microdochium patch
- Anthracnose
- Leaf spot

Pack Size: 1 & 3L

Maximum individual dose: 3L/ha

Water volume: 125 - 500 L/ha

Maximum number of treatments: 4 per year



Heritage Maxx MAPP 18246

(95g/L azoxystrobin)

Long-lasting systemic fungicide with root uptake

AREAS FOR USE:

MANAGED AMENITY TURF

Heritage Maxx Benefits:

- Quick and efficient uptake by leaf and root to move the active ingredient to the point of infection
- Seven turf and soil diseases on the label
- Active recycling prolongs the period of activity
- Pack coverage: 1.2 hectare

Label Approved Diseases:

- Microdochium patch
- Anthracnose
- Brown patch
- Leaf spot
- Rusts
- Take-all patch
- Type 2 Fairy ring

Pack Size: 3L

Maximum individual dose: 2.5 L/ha

Water volume: 125 - 1,000 L/ha

Maximum number of treatments: 4 per year



Plazma MAPP 19416

(250g/ltr azoxystrobin)

Long-lasting systemic fungicide with root uptake

AREAS FOR USE:

MANAGED AMENITY TURF

Heritage Benefits:

- Seven turf diseases on the label
- Derived from naturally occurring compounds
- The only strobilurin that can be used up to 4 times per year
- Pack coverage: 10,000m²

Label Approved Diseases:

- Microdochium patch
- Anthracnose
- Brown patch
- Leaf spot
- Rusts
- Take-all patch
- Type 2 Fairy ring

Pack Size: 1L

Maximum individual dose: 1L/ha

Water volume: 500 - 1,000 L/ha

Maximum number of treatments: 4 per year



Fortitude MAPP 19522

(200g/L Tebuconazole & 100g/L Trifloxystrobin)

Inter Tebloxy is a contact and systemic turf fungicide which both cures and prevents Fusarium, Dollar Spot, Anthracnose, Leaf Spot, Red Thread and Rust.

AREAS FOR USE:
MANAGED AMENITY TURF

Inter Tebloxy Benefits:

- Contact and systemic turf fungicide
- Rapid, long lasting and rainfast in 1 hour
- Controls Leaf Spot and Anthracnose
- Maximum of 2 applications per year
- Pack Coverage: 10,000sqm

Pack Size: 1L

Maximum individual dose: 1 L/ha
Water volume: 400-500 L/ha
Maximum number of treatments: 2 per year



Ruby

(827g/l rapeseed fatty acid esters & 44.5g/l trisiloxane organosilicone copolymers)

Ruby is a brand new fungicide adjuvant system which can also be used in mixtures with herbicides, insecticides, moss killers & micro-nutrients. Ruby works by enhancing the way that spray droplets can penetrate the leaf surface & will also act as a spreader across the leaf surface. Getting excellent coverage is vital when treating diseases, applying Ruby will also stop droplets bouncing or running off the leaf tissue, as they will stick to the surface & then start to spread out - covering the whole leaf.

Ruby can improve control by over 20% when compared to just using a fungicide on its own. This is done by drawing the chemical into the plant using a unique uptake agent.

- Ruby Benefits:**
- Optimises external foliage coverage
 - Maximises internal uptake of active ingredients

Pack Size: 1L

Knapsack sprayer rate: 0.1-0.2% of spray solution
Boom sprayer rate: 100ml per 100L of water



Adjuvants also enhance the performance of herbicides

Praxys MAPP 13912

(144g/L fluroxypyr-meptyl, 80g/L clopyralid and 2.5g/L florasulam)

High performance, highly concentrated systemic selective weedkiller

AREAS FOR USE:
MANAGED AMENITY TURF, AMENITY GRASSLAND, LAWN

Praxys Benefits:

- Systemic uptake right down to the roots, with no regrowth
- Rapid entry and rainfast within one hour
- Lowest dosage rates and water volume of any selective herbicide available
- Pack coverage: variable

Weeds Treated by Praxys Herbicide:

- Black Medick
- Creeping Buttercup
- Common Mouse Ear
- Daisy
- Dandelion
- Ribwort Plantain
- Self Heal
- Spear Thistle
- White Clover

Pack Size: 2L

Maximum individual dose: 2L/ha
Water volume: 200 L/ha



PRAXYS

"I used to mix older actives together to create a broad spectrum herbicide, however, it wasn't always effective. Praxys has outperformed anything I used to use and saves on purchasing and mixing several different products. We've found an Autumn application at 2 litres per hectare has really helped control our daisy population."

Charlie Macdonald,
Crieff Golf Club



	Rate of Praxys	Water volume	Area Treated
Power Sprayer	1 Litre	200 Litres	1ha
	Controls birdsfoot trefoil, black medick, bristly oxtongue, common cat's-ear, creeping cinquefoil, sorrel, white clover		
	1.5 Litres	200 Litre	1ha
	Above plus common daisy, common dandelion, greater plantain, common mouse-ear		
Knapsack Sprayer	2.0 Litres	200 Litres	1ha
	Above plus ribwort plantain, self heal, creeping buttercup, spear thistle		
	10ml 15ml 20ml	2 Litres	100m ²

Depitox MAPP 13258

(500 g/l (42% w/w) 2,4-D)

For the selective control of the annual and perennial broadleaved weeds in amenity grassland and managed amenity turf.

- Depitox Benefits:**
- Tank mixable with a range of products.
 - Controls many key weeds in grassland
 - Tank mix recommendation for Ragwort control

Pack Size: 10L

Application rate: 2.8 - 3.3 L/ha
Water volume: 110 - 400 L/ha



Compitox Plus MAPP 14390

(600 g/l mecoprop-P (48.2% w/w))

A herbicide for the control of a wide range of broadleaved weeds, including Cleavers and Common chickweed, in amenity grassland.

- Compitox Plus Benefits:**
- Controls many important weeds
 - Works in cooler conditions
 - Flexible tank mix product
 - Amenity grassland recommendation

Pack Size: 10L

Application rate: 2.4 L/ha
Water volume: 185-400 L/ha



Relay Turf Elite MAPP 17192

(19.5g/l dicamba, 245g/l MCPA & 43.3g/l mecoprop-P)

Relay Turf Elite is a market leading, broad spectrum, selective herbicide for turf and professional lawn care.

- Relay Turf Elite Benefits:**
- Broad spectrum selective weed control
 - Mecoprop-p content for clover control
 - Low application rate

Pack Size: 5L

Application rate: 5 L/ha
Water volume: 200 L/ha



PrimoMaxx II MAPP 17509

(116.4 g/L trinexapac-ethyl)

The ultimate growth regulator for the improvement of turf performance

- PrimoMaxx II Benefits:**
- Enhances turf health and playing surface consistency
 - Delivers improved playability by increasing turf density
 - Improved turf quality and wear tolerance
 - Promotes healthy plants that are better able to resist the effects of stress and disease

Pack Size: 5, 10 & 20L

Application Rate: 0.2 - 1.6 L/ha
Water volume: 250 - 400 L/ha
Maximum number of treatments: 16L per year



Ultimate Offers

Ultimate Offer Greenmaster

- 1 x 5L Primo Maxx II
- 1 x 200L Greenmaster Liquid
- 13 x Syngenta XC 04 nozzles
- ICL Application Booklet



Ultimate Offer WSF/18

- 1 x 20L Primo Maxx II
- 18 x 15kg Sportsmaster WSF High N
- 13 x Syngenta XC 04 nozzles
- ICL Application Booklet



Ultimate Offer Iron

- 1 x 10L Primo Maxx II
- 1 x 200L Sportsmaster Liquid Fe
- 13 x Syngenta XC 04 nozzles
- ICL Application Booklet



Greens Application

	Application 1 May	Application 2 June	Application 3 July	Application 4 August	Application 5 September
PrimoMaxx II	0.4L/ha	0.4L/ha	0.4L/ha	0.4L/ha	0.4L/ha
Greenmaster Liquid	40L/ha	40L/ha	40L/ha	40L/ha	40L/ha
Application Volume	400L/ha	400L/ha	400L/ha	400L/ha	400L/ha

Pitch Application

	Application 1 May	Application 2 June	Application 3 July	Application 4 August	Application 5 September
PrimoMaxx II	1L/ha	1L/ha	1L/ha	1L/ha	1L/ha
Greenmaster Liquid	40L/ha	40L/ha	40L/ha	40L/ha	40L/ha
Application Volume	400L/ha	400L/ha	400L/ha	400L/ha	400L/ha

Using Ultimate Offer WSF/18, the following programme can be applied to an average of 6 hectares of turf:

	Application 1 May	Application 2 June	Application 3 July
PrimoMaxx II	0.8-1L/ha	0.8-1L/ha	0.8-1L/ha
Sportsmaster WSF	15kg/ha	15kg/ha	15kg/ha
Application Volume	250-400L/ha	250-400L/ha	250-400L/ha

Using Ultimate Offer Iron the following programme can be applied to an average of 6 hectares of turf:

	Application 1 Greens Pitches		Application 2 Greens Pitches		Application 3 Greens Pitches	
PrimoMaxx II	0.4L/ha	1L/ha	0.4L/ha	1L/ha	0.4L/ha	1L/ha
Sportsmaster Liquid	30L/ha	30L/ha	30L/ha	30L/ha	30L/ha	30L/ha
Application Volume	400L/ha	400L/ha	400L/ha	400L/ha	400L/ha	400L/ha

Gallup Biograde 360 MAPP 17612

(360g/L glyphosate)

Highly active roundup formulation for use in a wide range of areas

AREAS FOR USE:

INDUSTRIAL, AMENITY, FORESTRY, AQUATIC

Gallup Biograde Benefits:

- Rainfast in 1 hour
- Quick and long-lasting control of difficult perennial weeds
- Concentrated formulation for low application rate

Pack Size: 5L

Application Rate: 5 L/ha

Water volume: 200 L/ha



Gallup Hi-Aktiv MAPP 17681

(490g/L glyphosate)

High load, clean label premium glyphosate

AREAS FOR USE:

INDUSTRIAL, AMENITY, FORESTRY, AQUATIC

Gallup Hi-Aktiv Benefits:

- Rainfast in 1 hour.
- Controls Japanese knotweed via foliar or stem injection.
- High glyphosate concentration lowers application rate.

Pack Size: 5L

Application Rate: 4 L/ha

Water Volume: 200 L/ha



Paradise MAPP 14504

(Flazasulfuron 25% w/w)

Long-lasting residual weed killer

AREAS FOR USE:

NATURAL SURFACES NOT INTENDED TO BEAR VEGETATION

Paradise is a long-lasting total weed killer, which, when used at the correct rate will control most annual and perennial weeds for up to 6 months.

Paradise Benefits:

- Easily dissolved in water. This product should be mixed with glyphosate for maximum effect.
- Keeps weeds away for up to 6 months.
- Pack Coverage: up to 0.7 hectare

Pack Size: 50g

Application Rate: 150g/ha

Water Volume: 15g per 15 litres of water (covers 1000m²)



Diamond MAPP 19846

(160g/ltr of 2,4-D + 240g/ltr glyphosate)

AREAS FOR USE:

ARTIFICIAL SURFACES, HARD SURFACES

Diamond offers excellent results on many tough annual and perennial weeds including horsetail. It is a soluble concentrate containing 160g/L 2,4-D + 240g/L glyphosate. As well as treating weeds such as bindweed and ragwort, Diamond is one of the few products on the market that will successfully control horsetail. Previous products containing glufosinate-ammonium used to control this difficult weed are no longer permitted for sale in the UK making Diamond the go to product following its launch in spring 2019.

Diamond Benefits:

- Faster acting than glyphosate alone.
- Controls tough weeds such as nettle, ragwort, horsetail and many other broadleaved weeds which are difficult to kill with straight glyphosate.
- Grassland destruction recommendation giving improved and quicker control of weeds such as docks.
- Fast action- one application for target weeds.
- Extended weed spectrum to manage tough to control weeds like thistles, oilseed rape and grasses.
- Use less glyphosate per hectare- you can reduce by half the amount of glyphosate per hectare with the same result.
- Safe formulation for trees in orchards.

Pack Size: 5L



Finalsan MAPP 13102

(186.7g pelargonic acid vinegar)

AREAS FOR USE:

ARTIFICIAL SURFACES, HARD SURFACES, HORTICULTURE, TREES & ORNAMENTAL

Finalsan is a powerful contact herbicide for the total weed control of moss, algae and many common broadleaved weeds on areas such as paths, vineyards and orchard crops. Finalsan is a total weed killer that DOES NOT contain glyphosate, instead its active ingredient is 186.7g/l pelargonic acid. Rapid desiccation is caused by the active ingredient penetrating the waxy layers of the leaf cuticle and destroying the cell membranes of the plant's epidermal cells.

Finalsan Benefits:

- Contact herbicide for total weed control on areas such as paths, vineyards, orchard crops and lawns.
- Fast acting on actively growing, young weeds.
- Shows some effectiveness against horsetail.
- Controls annual and perennial weeds as well as algae and moss.
- Does not contain glyphosate- uses pelargonic acid (fatty acids) instead!
- Suitable for knapsack and boom spray use.
- Has desiccant properties.
- Fully biodegradable in plants and in soil.

Pack Size: 10L

Application Rate: 1.7L per 10L of water covers 100m²



MMC Pro Moss Killer

Easiest and most effective way to treat and prevent mould, algae and grime

AREAS FOR USE:

ARTIFICIAL SURFACES & HARD SURFACES

MMC Pro is the easiest and most effective way to treat and prevent mould, algae and grime on all hard surfaces. There is no need to scrub or pressure wash, just dilute and apply. This product typically works in 2-4 days (depending on weather).

MMC Pro Moss Killer Benefits:

- 100% non-abrasive
- Easy & quick application - no scrubbing, no mess.
- Biodegradable
- High m² coverage

Product Information:

- Pack coverage: 175 - 350m²

Pack Size: 5L

Application Rate: 35 - 70ltr per m²

Water Volume: 4 - 9 litres of water per litre of product



MOISTURE MANAGEMENT

Moisture Management has become increasingly important with shifting weather patterns over the last few years. We have the strongest portfolio of wetting agents in the section to cover all scenarios.



TriSmart

A high quality wetting and water conservation agent. Best selling wetting agent.

AREAS FOR USE:
GREENS, TEES, BUNKER TOPS, STADIA PITCHES & LAWNS

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

- H2Pro TriSmart Benefits:**
- Offers preventative and curative action against Dry Patch
 - Evenly distributes moisture through the upper soil profile
 - Significantly reduces irrigation requirements

Product Characteristics:
Type: Penetrant, spreading, holding

Pack Size: 5L, 120L, 500L, 1000L

Full programme: 10 L/ha monthly
Late-start programme: 25L/ha then 10 L/ha monthly
Water volume: 600 - 1,000 L/ha



TriSmart (plus dye) showing great water penetration into and even spread through a hydrophobic rootzone.
Water (plus dye) is sitting on the surface or running off the front of the core.



AquaSmart

A high quality wetting and water conservation agent

AREAS FOR USE:
FINE TURF, FAIRWAYS, SPORTSFIELDS, OUTFIELDS & RACECOURSES

AquaSmart is a wetting agent designed for low application rates and offers a cost effective programme. The special blend of surfactants in AquaSmart formulated for all soil types can help maintain turf quality through periods of dry weather by maximising the effectiveness of irrigation or rainfall.

Essentially it provides greater water-use efficiency by preventing drying and allowing quick rewetting of the soil, so maintaining a healthy plant and a quality turf surface.

- H2Pro AquaSmart Benefits:**
- Improves water use efficiency for outfield areas
 - Reduces incidence of dry patch formation
 - Flexible application rates
 - Protects turf quality through periods of dry conditions.

Product Characteristics:
Type: Penetrant/water retention

Pack Size: 5L, 120L, 500L

Full programme: 5-10 L/ha
Water volume: 400 - 800 L/ha



Firmway

Improve distribution and infiltration

AREAS FOR USE:
FINE TURF, FAIRWAYS, SPORTSFIELDS, OUTFIELDS & RACECOURSES

By quickly lowering surface tension, **Firmway** delivers a more consistent playing surface. The specially selected surfactant is the key to Firmway's success. Being a concentrated product, turf managers benefit from lower application rates.

- Firmway Benefits:**
- Flexible application rate, making Firmway fit to address water penetration issues on general turf areas. Reduces incidence of dry patch formation
 - Improves the distribution and infiltration of irrigation water and rainfall
 - Safe to use on all turf varieties and areas, including golf course greens, tees, fairways, athletic fields, and residential lawns

Product Characteristics:
Type: Penetrant/water retention

Pack Size: 10L

Full programme: 4-6 L/ha
Water volume: 500 - 800 L/ha



DewSmart

A newly formulated dew dispersant product for turf grass areas

AREAS FOR USE:

GREENS, SPORTSFIELDS, STADIA PITCHES

DewSmart is designed to prevent or reduce the formulation of dew on the grass leaf. This is ideal for use as part of an ITM approach to help minimise the risk of disease outbreaks and improve surface quality.

H2Pro DewSmart Benefits:

- Under optimum conditions 3-4 weeks control of dew can be achieved.
- Reduces the need for early morning switching of dew from greens.
- Greens can be clear of dew for cleaner cut and for the early morning golfers.
- Simple to apply with standard boom sprayer.

Product Characteristics:

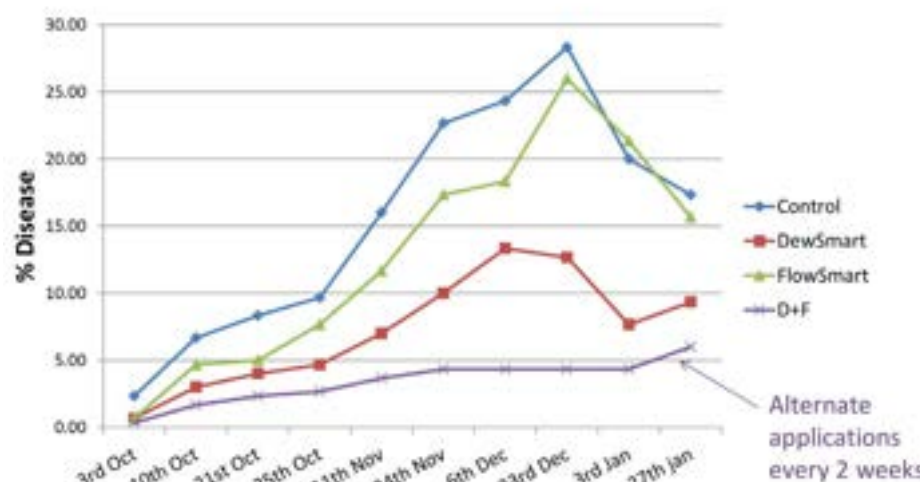
Type: Dew Dispersant

Pack Coverage: 10,000m²

Pack Size: 10L, 120L

Application Rate: 10 L/ha

Water Volume: 300 - 400 L/ha



FlowSmart

A high quality penetrant wetting agent

AREAS FOR USE:

GOLF GREENS, BOWLING GREENS, TEES, BUNKER TOPS, GREEN SURROUNDS, FAIRWAYS, SPORTSFIELDS

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

H2Pro FlowSmart Benefits:

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

Product Characteristics:

Type: Penetrant

Pack Size: 10L, 120L, 500L

Application Rate: 10 L/ha

Water Volume: 250 - 600 L/ha



AquaRapido

A powerful penetrant wetting agent developed for use on amenity grass

AREAS FOR USE:

ALL TURF TYPES

AquaRapido provides effective wetting within the rootzone and can reduce water run-off. AquaRapido is highly effective at getting water through thatch layers. Great for residual and dew dispersant effect, usually you can see the benefits on your turfgrass for 10-14 days after application. Cost effective for use on fairways, landing areas as well as collars, greens and tees. Apply monthly from October onwards or when the weather demands it.

AquaRapido Benefits:

- Cost effective
- Reduces standing water
- Increases water penetration
- Compatible with most tank spray products
- Less runoff on sloped areas
- Increased fertiliser efficiency
- Acts as dew dispersant for a minimum of 10-14 days
- Biodegradable after 30 days
- Course remains open throughout wettest part of year

Pack Size: 20L

Directions for use:

Prior to application, evaluate the tank mix for compatibility and apply to a small area to determine the effect on turf quality.

Ideally, AquaRapido should be watered in within 6-12 hours or applied during a rain storm.



Aqueduct Flex

Flexible options for dealing with stressful conditions

AREAS FOR USE:
ALL TURF TYPES

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

Aqueduct Flex Benefits:

- Provides rapid recovery of 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, athletic fields and residential lawns
- Safe to use on ornamental gardens, landscapes, trees and shrubs

Pack Size: 20kgs

Application Rate:

- For Treatment: 1.25kgs/100m²
- For Prevention: 0.5kgs/100m²



groGreen Wetting Agent Tablets

A surfactant and seaweed for use through hose end pellet applicators

AREAS FOR USE:
GREENS, BUNKER TOPS, GREEN SURROUNDS & TEES

groGreen Wetting Agent Tablets are especially effective for the treatment of localised dry spot and for helping to reduce overall irrigation requirement.

groGreen Wetting Agent Tablets Benefits:

- Effective rewetting through the rootzone
- Excellent water spreading and penetration characteristics
- Spot treating problem areas

Pack size: 6 x 250g tablets

Pack coverage: 1 pellet will typically treat 1500m² at 10-20 minutes per green

Applicator also available.



APPLICATION EQUIPMENT

Applications of Granulars or Liquids are only as good as the method and equipment used to apply them. This section covers a range of options within our spreaders and sprayers.

- ACCUPRO SR-2000 SPREADER
- ACCUPRO 2000 SPREADER
- HANDY PROFESSIONAL EXTRA LARGE SPREADER
- BERTHOUD VERMOREL 2000
- SPEAR & JACKSON 5L PUMP UP
- TEAM CUB PEDESTRIAN SPRAYER



AccuPro SR-2000 Spreader

A rotary spreader featuring a stainless steel frame that can be relied upon for years of application.

PRODUCT USAGE:

CONVENTIONAL FERTILISERS, COATED FERTILISERS, GRANULAR WETTING AGENTS, TOP DRESSINGS

AccuPro SR-2000 Key Points:

- Large diameter, more durable stainless steel frame
- Positive on/off side deflector provides effective product delivery control
- Standard port shut-off control for greater application efficiency.
- Hopper capacity: 42kgs



AccuPro 2000 Spreader

A broadcast, rotary spreader that accurately delivers seed / fertilisers

PRODUCT USAGE:

CONVENTIONAL FERTILISERS, COATED FERTILISERS, GRANULAR WETTING AGENTS, TOP DRESSINGS, SEED

AccuPro 2000 Key Points:

- Large 136 Turf Saver 2 pneumatic tyres
- Durable large diameter frame
- Patented Helical Cone for a uniform, consistent spread pattern
- Extended handle with tuff-foam grips for added comfort
- Rain cover and hopper grate
- All spare parts stocked
- Hopper capacity: 42kgs



Handy Professional Extra Large Spreader

This push along spreader covers a large area in a short amount of time

PRODUCT USAGE:

SEED (GRASS & PLANT), SEED, FERTILISERS, WEED & FEED

Handy Professional Extra Large Key Points:

- A huge 57kg capacity
- Robust metal gears
- Comfortable handle
- Wide profile tyres
- Push along
- Can be used with refined ice melting salt (not Rock Salt)
- Hopper capacity: 57kgs



Berthoud Vermorel 2000

The market leader when it comes to knapsack sprayers.

PRODUCT USAGE:

GENERAL PURPOSE, CLEANING, FERTILISER, WEED & FEED, FUNGICIDE, HERBICIDE, PESTICIDE

Berthoud Vermorel 2000 Key Points:

- 16 litre capacity with visible liquid level.
- Designed with the operator in mind.
- Ergonomic back frame.
- Adjustable padded double shoulder straps with waist strap.
- Reversible left/right pump lever with 2 positions: storage (vertical position) and in operation (inclined position).
- High-performance diaphragm pump with curved piston (ease of handling and low pumping rate).
- Professional type lance handle.
- 60 - 100cm telescopic composite lance with high mechanical and chemical resistance.
- Multi-purpose adjustable nozzle holder.

Spear & Jackson 5L Pump Up

PRODUCT USAGE:

FERTILISER, WEED & FEED, FUNGICIDES, HERBICIDES & PESTICIDES

Spear & Jackson 5L Pump Up Key Points:

- Use with water & non viscous water based products
- 5 litre capacity
- Easy pump action
- Built in pressure gauge & release valve
- Brass wand & nozzle
- Adjustable angled head



Team Cub



The Team Cub sprayer has been designed for the greenkeeper/groundsman who requires a simple, efficient and reliable pedestrian sprayer. Supplied as standard with an adjustable pressure control system ensuring constant, accurate liquid application and two pneumatic tyres.

The Team Cub Key Points:

- 2M 4 nozzle folding boom
- 12V diaphragm pump
- Adjustable pressure control
- 12V quick charge battery and charger
- Tank Capacity: 30L



We offer the full range of Team sprayers and accessories.

GRASS SEED & WILDFLOWER MIXTURES

- SPORTS TURF
- LANDSCAPING
- WILDFLOWERS



Due to occasional shortages, some varieties may have to be substituted, we will however, ensure that we only use the best alternative varieties available.

Fescue

Barenbrug's most popular blend of red fescue cultivars ideally suited to free-draining, sandy soil.

PRODUCT USAGE:

Construction & overseeding of free-draining fine-turf areas

SUITABLE FOR:

GREENS, TEES, FAIRWAYS

Barpearl	Slender Creeping Red Fescue	20%
Barcrown	Slender Creeping Red Fescue	20%
Viktorka	Slender Creeping Red Fescue	20%
Barlineus	Chewings Fescue	25%
Bodega	Chewings Fescue	15%



Benefits:

- Excellent year round performance.
- Chewings Fescue offers good spring activity.
- SCRF kicks in early summer.

Sowing Rate	25-35g/m ²
Oversowing Rate	15-25g/m ²
Cutting Height	Down to 4mm
Sowing Depth	8-12mm below thatch
Bag Size	20kgs

All Bent

A 100% browntop bentgrass blend designed for overseeding and species exchange in golf and bowling greens.

PRODUCT USAGE:

Designed for overseeding golf & bowling greens

SUITABLE FOR:

GREENS

BarKing	Browntop Bentgrass	75%
Charles	Browntop Bentgrass	25%



Benefits:

- Includes #1 Variety Charles.
- Excellent shoot density.
- Excellent disease tolerance.
- Superior winter colour.

Sowing Rate	8-10g/m ²
Oversowing Rate	4-6g/m ²
Cutting Height	Down to 3mm
Sowing Depth	Rootzone depth
Bag Size	20kgs

Barenbrug's Sport & Essential product guides available



Classic 80:20

The traditional 80:20 mix of red fescue and browntop bentgrass, for a consistent and balanced fine-turf sward when sowing out greens.

PRODUCT USAGE:
Construction of free-draining fine-turf areas

SUITABLE FOR:
TEES, FAIRWAYS, ROUGHS

Viktorka	Slender Creeping Red Fescue	20%
Barcrown	Slender Creeping Red Fescue	20%
Bodega	Chewings Red Fescue	20%
Barlineus	Chewings Red Fescue	20%
BarKing	Browntop Bentgrass	10%
Charles	Browntop Bentgrass	10%

- Benefits:**
- The preferred choice for seeding out new greens.
 - Excellent sward density.
 - All year round performance.
 - Only the best cultivars used.



Sowing Rate	20-30g/m²
Oversowing Rate	10-20g/m²
Cutting Height	Down to 4mm
Sowing Depth	Rootzone depth
Bag Size	20kgs

Fairway

A balanced blend of hard, slender creeping, strong creeping and chewings fescues designed for free-draining and coastal areas.

PRODUCT USAGE:
Overseeding, divoting & construction of free-drainging turf areas

SUITABLE FOR:
TEES, FAIRWAYS, COASTAL, ROUGHS

Barrisse	Strong Creeping Red Fescue	20%
Sergie	Strong Creeping Red Fescue	30%
Bodega	Chewings Red Fescue	10%
Barpearl	Slender Creeping Red Fescue	35%
Hardtop	Hard Fescue	5%

- Benefits:**
- 100% Fescue including Hard Fescue.
 - Hard Fescue offers superior drought tolerance.
 - Barrisse offers excellent red thread resistance.
 - High quality red fescues.



Sowing Rate	25-35g/m²
Oversowing Rate	15-25g/m²
Cutting Height	Down to 7mm
Sowing Depth	8-12mm below thatch
Bag Size	20kgs

Shoreline

An innovative 100% blend of slender creeping red fescues for areas exposed to high salinity, such as links and other coastal courses.

PRODUCT USAGE:
Overseeding & construction of free-draining medium-fine turf areas exposed to saline conditions.

SUITABLE FOR:
COASTAL

Barpearl	Slender Creeping Red Fescue	50%
Barcrown	Slender Creeping Red Fescue	25%
Viktorka	Slender Creeping Red Fescue	25%

- Benefits:**
- 100% Slender Creeping Red Fescue.
 - Germination and survival in salt areas.
 - Using tried and tested varieties.



Sowing Rate	35-45g/m²
Oversowing Rate	20-30g/m²
Cutting Height	Down to 4mm
Sowing Depth	8-12mm below thatch
Bag Size	20kgs

SGT Fine Fescue

Pure fine fescue blend, utilising our sustainable grass technology (SGT), with varieties bred to require reduced water, fertiliser and chemical inputs.

PRODUCT USAGE:
Overseeding, divoting & construction for medium-fine turf on sites with particular drought stress.

SUITABLE FOR:
TEES, FAIRWAYS, ROUGHS

Hardtop	Hard Fescue	30%
Barpearl	Slender creeping Red Fecue	30%
Beacon	Hard Fescue	20%
Barjessica	Strong Creeping Red Fescue	20%

- Benefits:**
- Contains sustainable grass technology.
 - Performs with less water, nutrient and chemical inputs.
 - 50% Hard Fescue for increased drought tolerance.
 - High seed count per kg of seed.



Sowing Rate	25-35g/m²
Oversowing Rate	15-25g/m²
Cutting Height	Down to 7mm
Sowing Depth	5-10mm below thatch
Bag Size	20kgs

SGT Rye Fairway

Utilising our sustainable grass technology (SGT) delivering grass requiring reduced water, fertiliser and chemical inputs.

PRODUCT USAGE:
Overseeding, divoting & construction of medium-fine turf areas across a range of soil types

SUITABLE FOR:
TEES, FAIRWAYS, ROUGHS

Barprrium	Perennial Ryegrass	30%
Barpearl	Slender Creeping Red Fescue	35%
Hardtop	Hard Fescue	20%
Barjesscia	Strong Creeping Red Fesuce	15%



- Benefits:**
- Contains sustainable grass technology.
 - Performs with less water, nutrient and chemical inputs.
 - Innovative 4 species mixture.
 - Barprrium fine leaved ryegrass with excellent summer colour.

Sowing Rate	25-35g/m²
Oversowing Rate	15-25g/m²
Cutting Height	Down to 7mm
Sowing Depth	8-12mm below thatch
Bag Size	20kgs

Rye Fairway

A reliable and balanced mixture of ryegrass and fescue for medium-fine turf with moderate wear and great all-round performance.

PRODUCT USAGE:
Overseeding, divoting & construction of medium-fine turf with moderate wear

SUITABLE FOR:
TEES, FAIRWAYS

Barcristalla	Perennial Ryegrass	50%
Barrisse	Strong Creeping Red Fescue	35%
Barpearl	Slender Creeping Red fescue	15%



- Benefits:**
- Superior colour during playing season.
 - High turf density.
 - Excellent wear tolerance and colour.
 - Contains the #1 Strong Creeping Red Fescue Barrisse.

Sowing Rate	25-35g/m²
Oversowing Rate	10-25g/m²
Cutting Height	Down to 10mm
Sowing Depth	5-10mm below thatch
Bag Size	20kgs

Ultrafine 30

A 30% perennial ryegrass and red fescue blend for fine turf

PRODUCT USAGE:
Overseeding & construction of fine turf with moderate wear

SUITABLE FOR:
GREENS, TEES, FAIRWAYS

Barolympic	Perennial Ryegrass	30%
Viktorka	Slender Creeping Red Fescue	25%
Barpearl	Slender Creeping Red Fescue	25%
Bodega	Chewings Fescue	20%



- Benefits:**
- Contains 30% Barolympic which has an outstanding mean score of 8.6
 - Excellent combination of three fine fescue varieties.
 - Barolympic is ranked #1 for pale colour and #2 for fineness of leaf. This makes it exceptionally easy to blend in with other grass species, such as red fescue
 - The red fescue cultivars Bodega, Viktorka and Barrisse are exceptional performers

Sowing Rate	25-35g/m²
Oversowing Rate	15-25g/m²
Cutting Height	Down to 4mm
Sowing Depth	8-12mm below thatch
Bag Size	20kgs

Ultrafine 60

A 60% blend of fine turf perennial ryegrass and red fescue.

PRODUCT USAGE:
Designed for the construction or overseeding of medium-fine and fine turf under high wear pressure

SUITABLE FOR:
GREENS, TEES, FAIRWAYS, CRICKET, TENNIS

Barolympic	Perennial Ryegrass	30%
Barprrium	Perennial Ryegrass	30%
Barisse	Strong Creeping Red Fescue	15%
Barpearl	Slender Creeping Red Fescue	25%



- Benefits:**
- 60% ultrafine perennial ryegrasses combined with 40% fine red fescues
 - Barolympic the stand-out cultivar ryegrass for summer sports use.
 - Barolympic is ranked #1 for pale colour and #2 for fineness of leaf. This makes it exceptionally easy to blend in with other grass species, such as red fescue

Sowing Rate	25-35g/m²
Oversowing Rate	15-25g/m²
Cutting Height	Down to 5mm
Sowing Depth	8-12mm below thatch
Bag Size	20kgs

Ultrafine 100

A 100% blend of fine turf perennial ryegrasses, simply offering the best fine ryegrass on the market.

PRODUCT USAGE:
Overseeding and construction of fine turf with intense wear that demands tolerance to close-mowing. Golf green surrounds, pinch-points & walk-offs are perfect examples of where this product comes into its own

SUITABLE FOR:
GREENS, TEES, FAIRWAYS, CRICKET, TENNIS

Barolympic	Perennial Ryegrass	40%
Barprrium	Perennial Ryegrass	40%
Barsignum	Perennial Ryegrass	20%



- Benefits:**
- Exceptional fineness of leaf
 - Barolympic is the stand-out cultivar ryegrass for summer sports use
 - Contains sustainable grass technology.
 - Excellent wear tolerance.

Sowing Rate	25-50g/m²
Oversowing Rate	20-30g/m²
Cutting Height	Down to 4mm
Sowing Depth	10-15mm below thatch
Bag Size	20kgs

Extreme

Barenbrug's most popular blend of perennial ryegrasses, for all-purpose use in areas requiring medium-fine turf, closemowing and high wear.

PRODUCT USAGE:
Overseeding, divoting & construction of medium-fine turf with intense wear

SUITABLE FOR:
WALKWAYS, TEES, FAIRWAYS, CRICKET, TENNIS

Barprrium	Perennial Ryegrass	40%
Baradona	Perennial Ryegrass	25%
Baromario	Perennial Ryegrass	25%
Barzico	Perennial Ryegrass	10%



- Benefits:**
- Barenbrug's most supplied product in 2021.
 - Barolympic is the stand-out cultivar ryegrass for summer sports use. It is ranked with a score of 8.6, the highest Mean score in the entire publication.
 - Barsignum is an elite variety for fineness of leaf and visual merit
 - Baradona offers outstanding all-round wear tolerance, shoot density, and aesthetics.

Sowing Rate	25-50g/m²
Oversowing Rate	20-30g/m²
Cutting Height	Down to 5mm
Sowing Depth	10-15mm below thatch
Bag Size	20kgs

RPR Golf

Using Barenbrug's RPR (Regenerating Perennial Ryegrass) technology for fast establishment and unparalleled capacity for recovery from wear due to the self-regenerating growth habit.

PRODUCT USAGE:
Overseeding, divoting and construction of golf turf with intense wear

SUITABLE FOR:
TESS, FAIRWAYS, WALKWAYS, ROUGHS

Barlibro	Perennial Ryegrass	50%
Barcristalla	Perennial Ryegrass	30%
Barprrium	Perennial Ryegrass	20%



- Benefits:**
- Barenbrug-bred regenerating ryegrass technology (RPR)
 - Exceptional wear tolerance
 - Fast recovery
 - Good aesthetics
 - 100% Barenbrug perennial ryegrass

Sowing Rate	25-50g/m²
Oversowing Rate	20-30g/m²
Cutting Height	Down to 12mm
Sowing Depth	10-15mm below thatch
Bag Size	20kgs

Elite Sport

The NEW market leading grass seed product, for premium sport stadiums and pitches, with the top performing grass varieties on the market.

PRODUCT USAGE:
Designed for elite winter sport stadiums and pitches, it 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.

SUITABLE FOR:
FOOTBALL, RUGBY

Barzico	Perennial Ryegrass	35%
Barbasten	Perennial Ryegrass	25%
Barcristalla	Perennial Ryegrass	25%
Barpersie	Perennial Ryegrass	15%



- Benefits:**
- The UK's no. #1 rated mixture with a mixture score of 7.8*
 - The only mixture on the market containing both Barzico #1 and Barbasten #2 ranked cultivars
 - High wear tolerance and recovery

Sowing Rate	30-50g/m²
Oversowing Rate	15-30g/m²
Cutting Height	Down to 18mm
Sowing Depth	10-15mm below thatch
Bag Size	20kgs

RPR Sport

Recovery time is the real measure of fitness. This mix regenerates to keep your pitch looking its best all season long.

PRODUCT USAGE:

Wear is inevitable, and for some that means a complete annual renovation, but if that is not possible or undesirable, RPR SPORT can help. Its unique blend of regenerating perennial ryegrasses copes with high use to maintain the playing surface throughout the year

SUITABLE FOR:
FOOTBALL, RUGBY

Barlibro	RPR Perennial Ryegrass	50%
Barcristalla	Perennial Ryegrass	35%
Barorlando	Perennial Ryegrass	15%



- Benefits:**
- Barenbrug bred RPR technology for fast establishment and unparalleled capacity for recovery from wear
 - 100% perennial ryegrass for areas of intensive traffic
 - Produces stolons offering exceptional ground cover and recovery.
 - Includes Barzico, the #1 performing ryegrass

Sowing Rate	30-50g/m²
Oversowing Rate	15-30g/m²
Cutting Height	Down to 18mm
Sowing Depth	10-15mm below thatch
Bag Size	20kgs

Multi Sport

Barenbrug’s all-purpose sport field mixture. When your fields are mixed use, we don’t think you should have to compromise on seed mix quality

PRODUCT USAGE:

The ultimate all-rounder, ideally suited for multi-use sports pitches such as winter sports pitches that are then used for cricket outfield through the summer, sport fields, grounds and pitches.

SUITABLE FOR:
FOOTBALL, RUGBY

Barbasten	Perennial Ryegrass	35%
Barcristalla	Perennial Ryegrass	30%
Barorlando	Perennial Ryegrass	25%
Baradona	Perennial Ryegrass	10%



- Benefits:**
- Includes Barbasten, the new #2 rated ryegrass
 - Excellent speed of establishment and recovery from winter wear
 - The ultimate all-rounder
 - 100% Barenbrug bred cultivars from their European breeding programmes

Sowing Rate	30-50g/m²
Oversowing Rate	15-30g/m²
Cutting Height	Down to 10mm
Sowing Depth	10-15mm below thatch
Bag Size	20kgs

SOS

The ground team’s emergency service. SOS gives fast germination to repair worn or damaged surfaces in the coldest months.

PRODUCT USAGE:

Designed for emergency mid-season turf repair, aiming for the fastest possible germination, establishment and growth in cool temperatures

SUITABLE FOR:
FOOTBALL, RUGBY, RACING, EQUESTRIAN

Bardorado	Perennial Ryegrass	30%
Barolympic	Perennial Ryegrass	30%
Barterra	Annual Ryegrass	40%



- Benefits:**
- Purpose bred varieties, designed for emergency repair of winter sports pitches
 - Fast germination, establishment and growth
 - Overseeding and patching blend of ryegrass species that germinate and grow vigorously at very low temperatures.
 - Barterra - annual ryegrasses that will germinate as low as 3.5°

Sowing Rate	30-50g/m²
Oversowing Rate	20-40g/m²
Cutting Height	Down to 20mm
Sowing Depth	4-8mm below thatch
Bag Size	20kgs

E4

Fine turf. Classic 100% fescue mix.

PRODUCT USAGE:

A 100% red fescue mixture for high quality formal lawns and low maintenance landscapes. Suitable for golf course tees and fairways where perennial ryegrass is not required

- Ryegrass-free mixture
- Low maintenance lawns, landscapes, golf course tees and fairways
- 100% fescue blend for a traditional fine turf
- Excellent appearance
- Very tolerant of drought conditions

Sergei	Strong Creepring Red Fescue	40%
Barpearl	Slender Creepring Red Fescue	40%
Musica	Chewings Fescue	30%

Sowing Rate	25-35g/m²
Cutting Height	Down to 8mm
Bag Size	20kgs

E5

Extra fine turf & bowling green. Traditional blend of fescues and bent for greens and lawns.

PRODUCT USAGE:

A blend of fine fescue and bent, suitable for creating exceptionally fine lawns. Perfect as an affordable option for overseeding golf and bowling greens.

- Affordable option for overseeding or establishing golf and bowling greens
- Tolerant of close mowing down to 5mm
- When mown short, forms an exceptionally tight, dense surface

Barpearl	Slender Creeping Red Fescue	50%
Musica	Chewings Fescue	40%
Heriot	Browntop Bent	10%

Sowing Rate	25-35g/m ²
Overseeding Rate	15-25g/m ²
Cutting Height	Down to 5mm
Bag Size	20kgs

E6

100% bent grass. Overseed and renovate golf and bowling greens.

PRODUCT USAGE:

Browntop bentgrass blend, ideal for renovating golf and bowling greens.

- Produces a fine, dense turf
- Gives superb summer and winter colour for golf greens
- Can tolerate mowing heights down to 4mm
- Excellent autumn overseeding mixture

Heriot	Browntop Bent	60%
Barking	Browntop Bent	40%

Sowing Rate	10g/m ²
Overseeding Rate	5g/m ²
Cutting Height	Down to 4mm
Bag Size	10kgs

E7

Sports ryegrass.

PRODUCT USAGE:

Great for sport, your cost-effective option

- 100% perennial ryegrass mixture for exceptional durability
- Good levels of recovery from wear
- A cost effective option for high-wear sports surfaces

Barorlando	Perennial Ryegrass	40%
Fancy	Perennial Ryegrass	35%
Fandango	Perennial Ryegrass	25%

Sowing Rate	30-50g/m ²
Overseeding Rate	15-30g/m ²
Cutting Height	Down to 20mm
Bag Size	20kgs

GG1 Universal Landscape

One of our most popular mixtures for general landscaping, lawns, parkland, housing and industrial estates

Fancy	Perennial Ryegrass	45%
Raisa	Chewings Fescue	10%
Maxima	Strong Creeping Red Fescue	40%
Highland	Browntop Bent	5%

Benefits:

- Heavy wear tolerance
- Low maintenance
- Rapid establishment
- Good ground cover

Sowing Rate:20-35g/m²

Cutting Height: Down to 15mm



GG2 Fine Universal Landscape

A finer, non – ryegrass version of our popular Universal Landscape for more ornamental uses

Raisa	Chewings Fescue	20%
Maxima	Strong Creeping Red Fescue	50%
Lambada	Strong Creeping Red Fescue	25%
Highland	Browntop Bent	5%

Benefits:

- Fine appearance
- Good ground cover
- Low maintenance
- Tolerates closer mowing

Sowing Rate:20-35g/m²

Cutting Height: Down to 8mm



GG3 Low Mow

Specialised mixture for low maintenance situations where low mowing regimes are necessary.

Fancy	Perennial Ryegrass	45%
Resistus	Perennial Ryegrass	15%
Samanta	Slender Creeping Red Fescue	20%
Bornito	Hard Fescue	15%
Highland	Browntop Bent	5%

Benefits:

- Very low maintenance
- Strong weed competition
- Rapid establishment
- Good ground cover

Sowing Rate:20-35g/m²

Cutting Height: Down to 15mm



GG90 Heritage

Our most popular wildflower mixture

Containing species that are most commonly found in Scotland and Northern England. It is a general purpose mixture for landscaping on a variety of soil types. It can take a few years for our perennial wildflowers to establish and give a full display, therefore, we add 2% of cornfield annuals and this gives colour from the first year, if sown in the early part of the year.

- Contains:**
Ox-eye Daisy
Self Heal
Black Knapweed
Corn Cockle
Field Poppy
Chewings Fescue
SS Meadow Grass
- Lady's Bedstraw
Yarrow
Birdsfoot Trefoil
Corn Chamomile
Cornflower
Crested Dogtail
Sweet Vernal Grass
- Red Campion
Meadow Buttercup
Devilsbit Scabious
Corn Marigold
Sheeps Fescue
Browntop Bent
Wavy Hair Grass



Sowing Rate: 5g/m²

GG91 Heavy Soils

For use on heavier wetter, clay soil types

For general landscaping use on heavier, wetter, clay soil types. This mixture contains wildflowers of Scottish and British provenance.

- Contains:**
Chewings Fescue
SS Meadow Grass
Wavy Hair Grass
Lady's Bedstraw
Yellow Rattle
Birdsfoot Trefoil
- Crested Dogtail
Meadow Foxtail
Small Leaved Timothy
Red Campion
Meadow Buttercup
Meadowsweet
- Browntop Bent
Sweet Vernal Grass
Ox-eye Daisy
Self Heal
Black Knapweed
Cats Ear



Sowing Rate: 5g/m²

GG92 Light Soils

For use on free-draining sandy soil types

A mixture of wildflowers of Scottish and British provenance for use in free-draining and sandy soils. The mixture is designed for landscaping use and to thrive in drier conditions.

- Contains:**
Sheeps Fescue
SS Meadow Grass
Ox-eye Daisy
White Campion
Vipers Bugloss
Birdsfoot Trefoil
- Chewings Fescue
Browntop Bent
Yarrow
Lady's Bedstraw
Self Heal
Wild Pansy
- Crested Dogtail
Crested Hair Grass
St Johns Wort
Yellow Rattle
Sheeps Sorrel
Field Scabious



Sowing Rate: 5g/m²

GG93 Wetlands

For use on wet areas

A mixture of wildflowers of Scottish and British provenance for use in wet areas surrounding ponds, rivers and streams. Species have been selected for their tolerance of these conditions and to replicate the naturally occurring species found here.

- Contains:**
Strong Creeping Red Fescue
Yorkshire Fog
Tufted Hair Grass
Meadow Buttercup
Yellow Flag Iris
Self Heal
- Rough Stalked Meadow Grass
Creeping Bentgrass
Wood Barley
Ribwort Plantain
Wild Carrot
Greater Birdsfoot Trefoil
- Meadow Fescue
Meadow Foxtail
Red Campion
Meadow Sweet
Black Knapweed
Devils Bit Scabious



Sowing Rate: 5g/m²

GG94 Woodlands

For areas with very low light levels

A mixture of Scottish and British provenance wildflowers, this mix is for areas with very low light levels. This mix contains shade tolerant species that can be found in this natural habitat type.

- Contains:**
Giant Bellflower
Bluebell
Red Campion
Bush Vetch
Crested Dogtail
- Foxglove
St John's Wort
Hedge Woundwort
Common Bent
Slender Creeping Red Fescue
- Herb Bennet
Ragged Robin
Upright Hedge Parsley
Meadow Foxtail
Chewings Fescue



Sowing Rate: 5-10g/m²

GG95 Corn Annuals

To provide good colour in the first year of establishment

A mixture of wildflowers of Scottish and British provenance. This mixture is easily established and colours up very quickly in the first year of establishment. Corn annuals may be added to other wildflower mixtures to provide good colour in the first year of establishment. Contains 100% wildflowers.

- Contains:**
Corn Cockle
Field poppy
- Corn Chamomile
Cornflower
- Corn Marigold



Sowing Rate: 2g/m²

FC80 Meadow Annuals

Rapid and continuous colour month after month

A 100% annual flower mixture to give rapid and continuous colour month after month until Autumn. Low to medium height flowers give a natural looking, low maintenance option. Ideal for local authority use.

- Contains:**
Alyssum Violet
Godetia
Marigold
- Cornflower
Flowering Flax
Pot Marigold
- Poppy
Love in the mist
Thlapsi



Sowing Rate: 2-5g/m²



PERFORMANCE TESTING / MISCELLANEOUS

- INTURF
- PINSEEKER
- MATS
- AEROSOLS



Inturf

Turf of the highest quality, grown on light and virtually stone free sandy soils, providing some of the best material on the market. Turf harvested with precision machinery for accuracy and efficiency.

Turf available:

- Classic Turf - An extremely fine leaved Rye/Fescue blend creating a superb and versatile surface for most turfgrass applications.
- Masters Turf - A fine leaved Fescue mix creating a superb and versatile surface for golf, bowling greens and ornamental landscapes.





PERFORMANCE TESTING

Data Driven Decisions

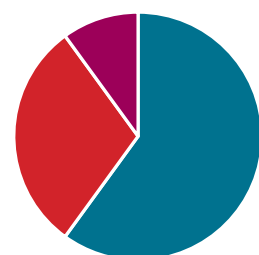
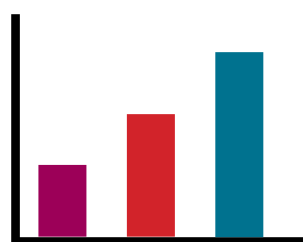
We are delighted to offer an in depth data capturing service. The modern Course Manager/ Head Greenkeeper is constantly having to make decisions in order to produce the highest quality playing surfaces year round. Gathering readings and pulling these together into one easy to understand report can help identify areas to focus on and create specific achievable targets for the improvement of playing surfaces. Data also helps to justify certain operations to the ever more demanding golfer.



Robert Patterson
Grassman Turf Solutions
Performance Tester / Advisor and Pre Tournament Support

Testing includes:

- Firmness
- Moisture
- Infiltration
- Sward Density
- Mass Root Depth
- Thatch Depth



Hybrid Grass

We offer two grades of hybrid grass. The use of hybrid grass on paths and wear areas has proven to be very successful in offering wear tolerance with the most natural appearance from any artificial surface.

Size : 2m x up to 20m



Aerosols

- Excellent adhesion to many different types of surface (even wet): concrete, asphalt, sand, wood, grass, etc.
- A particularly robust safety cap (a full aerosol dropped from a height of 1.50m will remain intact)
- Rapid drying: approximately 10 min.
- High resistance to weathering and UV rays
- Temperature range: -20°C to 50°C
- Wide range of colours.



Aerosol Applicator

The new SOPPEC One-wheel applicator responds to the needs of the most demanding professionals looking for efficient line marking.



WORKWEAR

We offer a large range of workwear and PPE. Our new workwear product catalogue will be ready in April.

REGATTA
PROFESSIONAL

CRAGHOPPERS

HH
HELLY HANSEN

CLICK
TRADERS

3M

DEWALT

Himalayan

AMBLERS
SAFETY

SHOWA
Always Innovating. Never Imitating.

PORTWEST

We can provide quality embroidery for all your needs.



Spreader Settings

To help with the accurate application of your fertiliser dressings

	Cone Setting	Effective Width	Amount of Product Applied (g/m²) After One Pass													
			5	10	15	20	25	30	35	40	45	50	55	60	65	70
SierraformGT																
All Analyses	6	3.7		1½	K	L	M	M½								
STEP																
STEP Hi-Mag	7	4.3	H	1½	K½											
Greenmaster Pro-Lite																
All Analyses	6	3.7						M	N							
Sportsmaster																
All Analyses	4	3.7			L	M	N	O½	P½	Q	R	S	T	U	V	W
ProTurf																
All Analyses	6	5.0				N½	O½	P	Q½							
SierrablenPlus																
All Analyses	4	4.8			M	N	O	P	R	S	T					
Sierrablen																
All Analyses	4	4.7					Q	R½	T½	V	X	Q(x2)	R(x2)	R½(x2)		
H2Pro																
H2Pro Granules	5	4.0		J	K½	M										

Rotary spreader settings for AccuPro 2000, SR-2000, SR-1, R8-A
Single Pass at FULL RATE

	Cone Setting	Effective Width	Amount of Product Applied (g/m²) After Two Passes													
			5	10	15	20	25	30	35	40	45	50	55	60	65	70
SierraformGT																
All Analyses	6	3.7			H	I½	J½	K								
STEP																
STEP Hi-Mag	7	4.3	G½	H	I											
Greenmaster Pro-Lite																
All Analyses	6	3.7						J½	K							
Sportsmaster																
All Analyses	4	3.7					L	L½	M	M½	N	O	O½	P	P½	
ProTurf																
All Analyses	6	5.0				K½	L	M	N							
SierrablenPlus																
All Analyses	4	4.8			K	K½	L	M	M½	N	N½	O				
Sierrablen																
All Analyses	4	4.7					M	N	O	O½	P	Q	R	R½		
H2Pro																
H2Pro Granules	5	4.0		H½	I	J										

Rotary spreader settings for AccuPro 2000, SR-2000, SR-1, R8-A
Double Pass at HALF RATE

Fertiliser

Planning your NPK nutrient input

To accurately plan turf fertiliser input it is important to know how much actual nutrient is being applied in any given treatment and over the course of a season, this can be calculated in the following ways.

GRANULAR FERTILISER

Fertiliser analyses and inputs are expressed in elemental form for nitrogen (N), but in oxide form (P2O5 & K2O) for phosphorus and potassium.

To calculate actual elemental input; To convert P2O5 to elemental P - Multiply by 0.44.

To convert K2O to elemental K - Multiply by 0.83.

This can be useful when considering other constituents of fertilisers. For example, many granular fertilisers contain high levels of sulphur (S) expressed in the oxide form (SO3).

To convert SO3 to elemental S, multiply by 0.4.

WATER SOLUBLE FERTILISERS

Water soluble fertilisers are treated as granular fertilisers. However, where application rates are in kg / ha, use the following formula.

GRANULAR FERTILISER - FORMULA

To calculate the kg of nutrient applied per hectare, use;

Application rate (in g/m2) x % nutrient content / 10

Example:

An application of Greenmaster 6-5-10 applied at 25g/m2

25 x 6/10 = 15kg N per hectare
25 x 5/10 = 12.5kg P2O5 per hectare
25 x 11/10 = 25kg K2O per hectare

WATER- SOLUBLE FERTILISER - FORMULA

Application rate (in kg/ha) x % nutrient content / 100

Example:

An application of High N 35-0-14 water-soluble fertiliser applied at 40kg/ha

40 x 35/100 = 14kg N per hectare
40 x 14/100 = 5.6kg K2O per hectare

LIQUID FERTILISERS

Liquid fertilisers present a different challenge because their analysis can be declared in two separate ways- weight/weight (w/w) or weight/volume (w/v). The difference between the nutrient content expressed in w/w and w/v is actually the specific gravity of the product.

To calculate the kg per hectare of nutrient applied by a liquid fertiliser where the analysis is declared as weight/weight, you use the calculation shown in the box on the right. It is necessary to know the specific gravity of the product as it forms part of the calculation.

To calculate the kg per hectare of nutrient applied in liquid fertiliser where the analysis is declared as weight/volume, you simply multiply the % nutrient content by the application rate (in l/ha) and divide by 100.

So for example a 15% nitrogen liquid fertiliser (w/v) and applied at 40 litres per hectare would be;

15 x 40 / 100 = 6kg per hectare of nitrogen applied.

LIQUID FERTILISER - W/W FORMULA

Application rate (in litres per hectare) x Specific Gravity of the liquid = W and then W x % nutrient content/100

Example:

An application of 10-0-10 liquid applied at 50 litres per hectare. (S.G. = 1.23)

50 x 1.23 (specific Gravity) = 61.5
61.5 x 10/100 = 6.15kg N per hectare
61.5 x 10/100 = 6.15kg K2O per hectare



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