



Vision
SPORTSTURF INNOVATION

Premium Range of Turf
Management Products



Introducing the Vision Range

Welcome to the Vision brochure; this range of unique fertilisers have been developed with sportsturf innovation at its heart. The range will be available exclusively through Aitkens and includes options for both fineturf and outfield situations.

The Vision range has been specifically developed to bring exceptional products to the sportsturf industry. Only the very best ingredients and formulations are used, ensuring that the products are of the highest quality to give unparalleled performance.

The range is ever evolving bringing the latest products to the industry as new technologies are developed.

All the fertilisers have undergone thorough research and development, with many being rejected along the way, as they did not reach the highest standards.

In addition to these unique and high-performance products, Aitkens offer exceptional service and customer support with experienced technical specialists, who can advise on all aspects of turf maintenance.

New liquid ranges now available





Ultimax S

An exceptional range of organic complex fertiliser carefully wrapped and infused with seaweed.

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Nutri-Smart

A range of advanced liquid fertiliser formulations designed for foliar uptake and root absorption

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HYDRO GUARD

A unique soil surfactant and root stimulant designed for fineturf

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HYDRO FUSION GRANULES

Curative & preventative granular surfactant

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Nutri-Smart

A cutting-edge range of complex high performance granular fineturf and outfield fertilisers with a multitude of benefits

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MixMe

Mix-Me Liquid Spray Enhancer is designed to ensure maximum leaf up take of liquid fertilizers, biostimulants and other turf management products.

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HYDRO SPORT

Premium fairway and sportsfield surfactant.

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Dewlift

A dew dispersant for use on all turf types

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POLYEDGE

A unique controlled release fertiliser, formulated for quality turf with the added benefit of SPARK and Polyhalite.

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Integral LIQUID TURF CONDITIONER

A range of specially formulated all-in-one turf conditioners and recovery agents designed to promote plant health.

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HYDRO SOLVE

Hydrosolve is a curative surfactant, which has a unique blend of surfactants and organic acids.

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CleanmaxPRO

A hard surface cleaner

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Ultimax SL

A new generation of highly concentrated bioactive seaweed liquids which help turf plants in a variety of ways.

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REFLEX DUAL SOURCE LIQUID IRON

Vision Reflex Iron and Reflex Iron+K are a unique mix of complex and chelated liquid iron to give immediate turf response whilst maintaining longevity.

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HYDRO SOLVE

Soil surfactant pellets
Hydrosolve Irrigation Tank Tablet
Hydrosolve Hose End Pellets

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MOSCURE

A liquid iron for use in the autumn and early spring for rapid greening up and hardening of turf with the added benefit of deterring moss.

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Organic complex fineturf fertilisers

Ultimax-S is a range of food organic complex fertiliser carefully wrapped and infused with seaweed.

Ultimax-S has been developed using the most highly efficient method of controlled composting, a process that fully bio-converts the organic matter with the minimum of inert fibre inclusion. The carefully selected food residues have been selected to carry all the constituents needed to maximize the production of amino acids, humate acids and plant growth regulators.

The composted material is then infused with a composted seaweed inclusion and wrapped with a liquid seaweed. Seaweed has a long history of helping to build and maintain soil fertility and plant health; many competent products contain seaweed or its derivatives. The seaweed will rehydrate on contact with soil moisture giving an initial liquid seaweed boost, followed by extended seaweed response from the composted seaweed inclusion in the granule.

The discovery that the skilful combining of Ascophyllum nodosum seaweed with food organic complex in a managed compost system, produces a multiplying of their individual capabilities. The plant benefits by surprising gains in grass vigour, colour and growth, bringing us to a new level of appreciation for these two ingredients.

Spreader settings:-

Spreader	Spread width (m)	Cone setting	Application rate (Full rate)			Application rate (Half rate)		
			25g/m ²	30g/m ²	35g/m ²	25g/m ²	30g/m ²	35g/m ²
Accupro 2000 / SR-2000	3	4	L	L 1/2	M	I 1/2	J 1/2	K
Ev-N-Spred Range	3	-	17	18	20	14	15	16

These settings are provided as a guide only and have been calibrated at a walking speed of 5 km/h. Regular calibration of the spreader should take place

Benefits:-

- Gives an exceptional colour response
- Extends nutrient release to avoid soft top growth
- Contains 4 nitrogen sources for an immediate response year round
- Quickens uptake of natural seaweed bio-stimulants
- Has high quality Ascophyllum nodosum seaweed, high in Bioactive compounds
- Enhances microbial activity
- Produces a denser, more resilient sward
- Supplies a balanced natural trace element package
- Enhances the plants metabolic use of N, P, K, Ca & Mg
- Contains Soya isolates to boost protein and enzymes available for root extension
- Builds amino chains that boost nutrient absorption
- Low sulphur levels compared to standard mineral fertilisers
- Resulting in an opportunity to apply less fertiliser at each application

Ultimax-S 14-1-6

+2%MgO+8%CaO

- A high nitrogen spring and summer fertiliser without soft top growth
- Contains natural amino and humic acids with trace elements
- A fertiliser ideally suited where low phosphate levels are required
- Contains trace elements within the organic complex

Nutrient applied at

25g/m ²	N - 35	P - 2.5	K - 15 Kg/Ha
30g/m ²	N - 42	P - 3	K - 18 Kg/Ha
35g/m ²	N - 49	P - 3.5	K - 21 Kg/Ha

Pack size 20Kg

Application rate 25 - 35 g/m²

Pack Coverage 571 - 800m²

Suggested period of use: Mar - Sep

Ultimax-S 10-0-10

+3%MgO+9%CaO

- Spring and summer formulation where no phosphate is required
- High levels of potash to boost soil reserves and promote hard wearing grass
- 3% magnesium for improved photosynthesis
- The biostimulants will help the plant during summer stress periods

Nutrient applied at

25g/m ²	N - 25	P - 0	K - 25 Kg/Ha
30g/m ²	N - 30	P - 0	K - 30 Kg/Ha
35g/m ²	N - 35	P - 0	K - 35 Kg/Ha

Pack size 20Kg

Application rate 25 - 35 g/m²

Pack Coverage 571 - 800m²

Suggested period of use: Mar - Oct

Ultimax-S 8-2-8

+3%MgO+2%Fe+9%CaO

- An analysis designed for use during the growing season
- Added iron will harden the plant while providing enhanced turf colour
- Rich in humic acid that offers enhanced disease resistance and stress tolerance
- Will help increase rootmass and provide slow sustained growth

Nutrient applied at

25g/m ²	N - 20	P - 5	K - 20 Kg/Ha
30g/m ²	N - 24	P - 6	K - 24 Kg/Ha
35g/m ²	N - 28	P - 7	K - 28 Kg/Ha

Pack size 20Kg

Application rate 25 - 35 g/m²

Pack Coverage 571 - 800m²

Suggested period of use: Feb - Nov



Ultimax-S 5-4-12

+1%MgO+8%CaO

- An ideal autumn or early season feed
- High levels of potassium to promote hardening of soft growth and improve wear tolerance
- Phosphate will encourage root development
- Enhanced sward density and colour without excessive growth

Nutrient applied at

25g/m ²	N - 12.5	P - 10	K - 30 Kg/Ha
30g/m ²	N - 15	P - 12	K - 36 Kg/Ha
35g/m ²	N - 17.5	P - 14	K - 42 Kg/Ha

Pack size 20Kg

Application rate 25 - 35 g/m²

Pack Coverage 571 - 800m²

Suggested period of use: Jan - Dec



Nutri-Smart

Fineturf fertilisers

Vision Nutri-Smart is a range of complex, high performance fineturf granular fertilisers. Nutri-Smart is a combination of conventional release fertiliser with the addition of lignite, trace elements, RSi humic and amino acids. These have been added to provide smart nutrition and a healthy plant with extra resilience during periods of stress. All these nutrients have been formulated into a homogenous 1-2mm micro granule, ensuring that every granule contains the same analysis and provides a uniform application and result.

Benefits:-

- Advanced longevity and colour up to eight weeks
- Increased nutrient performance
- Improved stress resistance and aids recovery
- Contains RSi to improve root and shoot mass
- Stimulates microbial activity and increases plant stress performance
- Boosts available CEC for enhanced longevity and improves nutrient uptake
- Contains the necessary trace elements for healthy turf
- Prevents trace element deficiency
- Increases chlorophyll concentration leading to improved photosynthesis
- Will not produce growth flushes when applied
- Dust-free micro granules for an accurate application

RSi (Root Stimulant and Improver)

A natural complex carbon organic chelator and microbial stimulator. RSi contains a high percentage of humic acid, which improves the plant's ability to take up vital nutrients. RSi will encourage deeper rooting and will stimulate microbial activity. It also contains a wide range of natural trace elements to help maintain levels in the rootzone.

Amino Acids

Amino acids are required to produce a healthy plant and encourage deeper rooting. During times of stress e.g. heavy rainfall, anaerobic soil conditions, compacted soil, high salinity, frost, cold, heat and drought, there is a greater demand for amino acids. The addition of supplemental amino acids (L-Form) to the Nutri-Smart range of fertilisers help alleviate turf stress and provide a healthier, stronger plant.

Spreader settings:-

Spreader	Spread width (m)	Cone setting	Application rate (Full rate)		Application rate (Half rate)	
			30g/m ²	35g/m ²	30g/m ²	35g/m ²
Accupro 2000 / SR-2000	3	4	L 1/2	M	J 1/2	K
Ev-N-Spred Range	3	-	19	20	15	15.5

These settings are provided as a guide only and have been calibrated at a walking speed of 5 km/h. Regular calibration of the spreader should take place



4-0-10

+11%Fe+4.7%CaO+RSi+Amino+Lig+Te

- Deters moss while strengthening the plant against disease
- Iron and Lignite will give improved colour over a longer period of time
- Designed to sustain turf health in the early and late season
- Amino acid will hasten turf response in cooler temperatures

Nutrient applied at
 30g/m² N - 12 P - 0 K - 30 Kg/Ha
 35g/m² N - 14 P - 0 K - 35 Kg/Ha
 N breakdown 75% Ammoniacal / 25% Ureic
 Pack size 20Kg
 Application rate 30 - 35 g/m²
 Pack Coverage 571 - 666m²
 Suggested period of use: Sep - Apr

8-0-12

+2%Fe+4%MgO+7.7%CaO+RSi+Amino+Lig+Te

- A NK formulation that will improve shoot and root density and increase root length
- Good levels of magnesium and iron will give good colour over a longer period
- Two sources of nitrogen will deter flushed growth
- The RSi stimulates microbial activity and will help increase the plants stress tolerance

Nutrient applied at
 30g/m² N - 24 P - 0 K - 36 Kg/Ha
 35g/m² N - 28 P - 0 K - 42 Kg/Ha
 N breakdown 81% Ammoniacal / 19% Ureic
 Pack size 20Kg
 Application rate 30 - 35 g/m²
 Pack Coverage 571 - 666m²
 Suggested period of use: Feb - Nov

6-6-10

+3%MgO+12.8%CaO+RSi+Amino+Lig+Te

- NPK ratio suited to late and early use
- Ideal for using as a pre-seeder on greens when over sowing sensitive fescues and bent, no ferrous sulphate is present
- 100% Ammoniacal nitrogen giving rapid results even in low soil temperatures
- Good levels of potassium provide a stronger plant during periods of stress

Nutrient applied at
 30g/m² N - 18 P - 18 K - 30 Kg/Ha
 35g/m² N - 21 P - 21 K - 35 Kg/Ha
 N breakdown 100% Ammoniacal
 Pack size 20Kg
 Application rate 30 - 35 g/m²
 Pack Coverage 571 - 666m²
 Suggested period of use: Jan - Dec

4-4-20

+3%Fe+3%MgO+7.1%CaO+Kali+RSi+Amino+Lig+Te

- A NPK analysis containing both standard and Kali slow release potassium for a consistent release pattern
- High potassium levels will act as a base feed while the iron will harden the turf
- Added iron and magnesium will enhance turf colour with increased longevity
- Uniform growth without growth flushes at disease critical times

Nutrient applied at
 30g/m² N - 12 P - 12 K - 60 Kg/Ha
 35g/m² N - 14 P - 14 K - 70 Kg/Ha
 N breakdown 50% Ammoniacal / 50% Ureic
 Pack size 20Kg
 Application rate 30 - 35 g/m²
 Pack Coverage 571 - 666m²
 Suggested period of use: Sep - Apr

11-0-11

+2Fe+3MgO+3.2%CaO+RSi+Amino+Lig+Te

- A 1:1 NK ratio for situations where no phosphate is required
- Advanced longevity due to CEC boost from the Lignite
- Amino acids increase the plants stress tolerance during the playing season
- Added trace elements ensure all minor nutrients are not deficient

Nutrient applied at
 30g/m² N - 33 P - 0 K - 33 Kg/Ha
 35g/m² N - 38.5 P - 0 K - 38.5 Kg/Ha
 N breakdown 82% Ammoniacal / 18% Ureic
 Pack size 20Kg
 Application rate 30 - 35 g/m²
 Pack Coverage 571 - 666m²
 Suggested period of use: Mar - Sep

14-2-10

+3MgO+3.4%CaO+RSi+Amino+Lig+Te

- High nitrogen NPK spring and summer fertiliser without excessive growth
- 3% magnesium for improved photosynthesis and turf colour
- RSi will help stimulate microbial activity and help increase the plants stress tolerance
- Phosphate and potassium promotes a strong healthy sward

Nutrient applied at
 30g/m² N - 42 P - 6 K - 30 Kg/Ha
 35g/m² N - 49 P - 7 K - 35 Kg/Ha
 N breakdown 68% Ammoniacal / 32% Ureic
 Pack size 20Kg
 Application rate 30 - 35 g/m²
 Pack Coverage 571 - 666m²
 Suggested period of use: Mar - Sep

Nutri-Smart

Outfield fertilisers

Vision Nutri-Smart Outfield comprises of three fertiliser analyses; a spring & summer, autumn & winter and a slow release option. All three products are available in a homogeneous 2.5-3.9mm granule for an easy, dust-free application. This granulation ensures that every granule contains the same analysis and will provide a uniform application and result. All three analyses are suited to any outfield situation.

- Benefits:-**
- All contain balanced NPK formulations
 - Two conventional release analyses
 - One slow release analysis
 - Reliable and uniform performance
 - Will produce a good colour with rapid nutrient uptake
 - Dust-free uniform granulation for an accurate application

Spreader settings:-

Spreader	Spread width (m)	Cone setting	Application rate (Full rate)	Application rate (Half rate)
			35g/m ²	35g/m ²
Accupro 2000 / SR-2000	3.5	4	P 1/2	M 1/2
Ev-N-Spred Range	3.5	-	24.5	21.5

These settings are provided as a guide only and have been calibrated at a walking speed of 5 km/h. Regular calibration of the spreader should take place



5-10-5

+19.1%CaO

- An ideal autumn & winter fertiliser to help turf cope with wear during the winter months
- An ideal pre-seeding fertiliser with high levels of phosphate to enhance seed establishment and promote good strong rooting
- Aids recovery during periods of heavy wear and colder temperatures
- Balanced NPK formulation

Nutrient applied at
35g/m² N - 17.5 P - 35 K - 17.5 Kg/Ha
N breakdown 100% Ammoniacal
Pack size 20Kg
Application rate 35 g/m²
Pack Coverage 571m²
Suggested period of use: Aug - May

9-5-6

+1%Fe+11%CaO

- Promotes good colour without excessive growth
- Contains iron for turf hardening and will enhance turf colour
- Balanced NPK formulation to aid recovery during the playing season
- Quality uniform granule will ensure a quick plant response without excess growth

Nutrient applied at
35g/m² N - 31.5 P - 17.5 K - 21 Kg/Ha
N breakdown 100% Ammoniacal
Pack size 20Kg
Application rate 35 g/m²
Pack Coverage 571m²
Suggested period of use: Mar - Sep

16-4-10

+2%Fe+3.1%CaO+MU

- A slow release fertiliser for sustained uniform growth without any growth flushes; provides an extended release of up to three months
- Added iron ensures optimal turf colour
- An economical balanced NPK slow release fertiliser

Nutrient applied at
35g/m² N - 56 P - 14 K - 35 Kg/Ha
N breakdown 68% Ammoniacal / 19% Ureic / 13% Methylene Urea
Pack size 20Kg
Application rate 35 g/m²
Pack Coverage 571m²
Suggested period of use: Mar - Sep



POLYEDGE

A unique controlled release outfield fertiliser

A unique controlled release fertiliser formulated for quality turf with the added benefit of SPARK and Polyhalite.

This range of 3-4 month and 4-5 month fertilisers have been developed to efficiently feed the plant over a prolonged period. It will also help the plant prevent and manage stress conditions associated with today's requirements for quality turf.

We use multiple controlled release technologies to ensure you get the control you require. Each technology allows the granule to breakdown due to the type and thickness of the coating along with soil temperature.

These technologies allow for an enhanced efficiency fertiliser that can reduce fertiliser requirements, which is more efficient and economical. Less N lock-off means more of the applied N is taken up and utilized by the plant when required.

The addition of SPARK and Polyhalite gives this range a unique performance that will provide an enhanced colour and a more stress resistant plant.

SPARK (Stimulate microbiology, Pre-stress, Amino acid, Root developer and K - Potassium)

Is an unique organic based plant extract biostimulant that provides nitrogen, potassium, trace elements and significant levels of amino acids. The amino acids will defend against stress and aid recovery from times of stress e.g. heavy rainfall, anaerobic soil conditions, compacted soil, high salinity, frost, cold, heat and drought; it will also promote beneficial bacteria and will enhance seed germination at times of overseeding or renovation. It will help develop a stronger root system providing a healthier plant.

Polyhalite

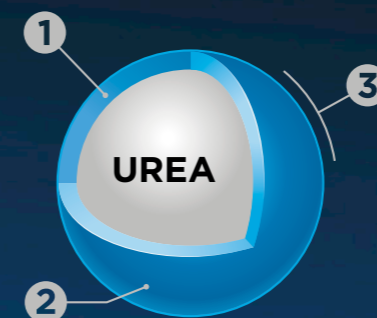
A naturally occurring mineral from the UK, which has a rich source of potassium, magnesium and calcium. The nature of Polyhalite ensures these elements will release slowly giving additional longevity. The addition will provide enhanced colour due to an increased chlorophyll production and an enhanced strengthening of the plant cell wall.

Benefits:-

- Unique, durable coating provides gradual consistent N release when needed to optimise nutrient uptake
- Two longevity ranges 3-4 month & 4-5 months
- Temperature-driven nutrient release, not driven by excess moisture or rainfall
- High level of coated N plus conventional release for a good initial response
- SPARK will enhance seed germination while providing stress resistance
- Polyhalite included for enhanced performance and colour
- Fewer applications save time and make it a long term economical option

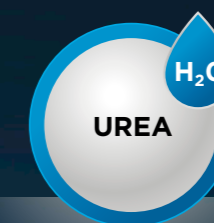
Polyedge coating technologies

PCU (Polymer-Coated Urea) Reactive layer coating



1. Ultra-thin, ultra-tough polyurethane coating
2. Unique coating process for consistent nitrogen (N) release
3. Specially selected granules are round, uniformly sized and dust-free to facilitate coating process

How it works



1. Within a week of application, soil moisture penetrates the polymer coating through osmosis.
2. Encapsulated nutrients are dissolved, but not released.



3. Over time the dissolved nutrients slowly release through diffusion, only when triggered by soil temperature.
4. After the complete release of nutrients, the polymer coating eventually decomposes by microbial activity into naturally occurring soil elements.

PCSCU (Polymer-Coated Sulphur-Coated Urea) advanced dual-coating technology

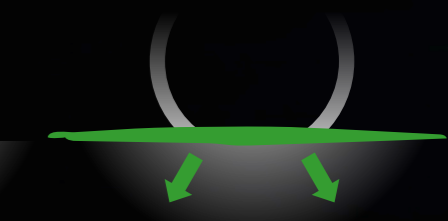


1. Less sulphur coating reduces N lock-off and delivers more N
2. Coating integrity is maintained during transport, blending, bagging and application
3. Outer layers consist of a thin coating of elemental sulphur and polymer wax, which work together to protect the inner polymer coating
4. Inner layer consists of a thin, cross-linked polymer film that encapsulates and protects the urea granule

How it works



1. Soil moisture penetrates the sulphur and polymer coatings.
2. Nitrogen (N) begins to dissolve creating pressure within the granule.



3. With previous-technology SCUs, this pressure cracked the coating, immediately releasing N (catastrophic release). The inner polymer coating of our PCSCU fertilizer results in a hybrid of diffusion-based release and catastrophic release, resulting in a more consistent release profile.
4. After N release, the sulphur eventually breaks down into the soil where it may be taken up by the plant

POLYEDGE

A unique controlled release outfield fertiliser

22-5-10

+3%MgO+1%CaO+SPARK+Polyhalite

- An ideal analysis for the start of the growing season to produce a healthy plant
- Balanced NPK formulation with SPARK to add pre-stress conditioning
- Gives an exceptional colour, which will last up to 5 months
- The longevity allows fewer applications saving time and staff costs

Nutrient applied at

25g/m ²	N - 55	P - 12.5	K - 25 Kg/Ha
30g/m ²	N - 66	P - 15	K - 30 Kg/Ha
35g/m ²	N - 77	P - 17.5	K - 35 Kg/Ha
Coated N %	65%		
Pack size	20Kg		
Application rate	25 - 35 g/m ²		
Pack Coverage	571 - 800m ²		
Suggested period of use: Mar - Jun			

13-5-20

+3%MgO+2.2%CaO+SPARK+Polyhalite

- A modern turf hardener ideal for use into the autumn / winter but can be used year round
- The high potassium and SPARK will harden the plant and strengthen cell walls, making the plant less susceptible to disease
- The technology used only releases in conditions favourable to turf grass growth
- Magnesium content will help improve turf colour

Nutrient applied at

25g/m ²	N - 32.5	P - 12.5	K - 50 Kg/Ha
30g/m ²	N - 39	P - 15	K - 60 Kg/Ha
35g/m ²	N - 45.5	P - 17.5	K - 70 Kg/Ha
Coated N %	65%		
Pack size	20Kg		
Application rate	25 - 35 g/m ²		
Pack Coverage	571 - 800m ²		
Suggested period of use: Jan - Dec			

Spreader settings:-

Spreader	Spread width (m)	Cone setting	Application rate (Full rate)			Application rate (Half rate)		
			25g/m ²	30g/m ²	35g/m ²	25g/m ²	30g/m ²	35g/m ²
Accupro 2000 / SR-2000	3.2	4	M 1/2	N 1/2	O 1/2	K 1/2	L	L 1/2
Ev-N-Spred Range	3.2	-	20	21	23	18	18.5	19

These settings are provided as a guide only and have been calibrated at a walking speed of 5 km/h. Regular calibration of the spreader should take place



21-3-14

+3%MgO+1.7%CaO+SPARK+Polyhalite

- Encourages healthy balanced growth during the main growing season
- Superior coating technology used compared to older technologies on the market
- High magnesium levels for good colour response
- Will provide an extended release of up to 4 months

Nutrient applied at

25g/m ²	N - 52.5	P - 7.5	K - 35 Kg/Ha
30g/m ²	N - 63	P - 9	K - 42 Kg/Ha
35g/m ²	N - 73.5	P - 10.5	K - 49 Kg/Ha
Coated N %	45%		
Pack size	20Kg		
Application rate	25 - 35 g/m ²		
Pack Coverage	571 - 800m ²		
Suggested period of use: Mar - Sep			

17-7-12

+1%Fe+3%MgO+0.7%CaO+SPARK+Polyhalite

- Ideal for anytime between spring and autumn
- Contains magnesium and iron, which improve turf health and colour
- SPARK will help prevent stress and provide trace elements
- Less product is lost to leaching and volatilization, reducing environmental impact

Nutrient applied at

25g/m ²	N - 42.5	P - 17.5	K - 40 Kg/Ha
30g/m ²	N - 51	P - 21	K - 48 Kg/Ha
35g/m ²	N - 59.5	P - 24.5	K - 56 Kg/Ha
Coated N %	45%		
Pack size	20Kg		
Application rate	25 - 35 g/m ²		
Pack Coverage	571 - 800m ²		
Suggested period of use: Mar - Oct			

15-15-5

+3%MgO+7.9%CaO+SPARK+Polyhalite

- Ideal during renovation time, over-seeding or laying new turf
- High phosphate and SPARK will promote strong root growth
- SPARK will also enhance seed germination and establishment
- Good level of slow release nitrogen for establishment

Nutrient applied at

25g/m ²	N - 37.5	P - 37.5	K - 12.5 Kg/Ha
30g/m ²	N - 45	P - 45	K - 15 Kg/Ha
35g/m ²	N - 52.5	P - 52.5	K - 17.5 Kg/Ha
Coated N %	45%		
Pack size	20Kg		
Application rate	25 - 35 g/m ²		
Pack Coverage	571 - 800m ²		
Suggested period of use: Mar - Oct			



11-4-22

+1%Fe+3%MgO+6.9%CaO+SPARK+Polyhalite

- Ideal to strengthen turf during autumn, winter and early spring
- This analysis will help the plant during periods of stress and can be used as a pre-stress conditioner
- High potassium, iron and calcium will harden the turf and strengthen plant cell walls
- Magnesium and iron will give enhanced colour

Nutrient applied at

25g/m ²	N - 27.5	P - 10	K - 55 Kg/Ha
30g/m ²	N - 33	P - 12	K - 66 Kg/Ha
35g/m ²	N - 38.5	P - 14	K - 77 Kg/Ha
Coated N %	45%		
Pack size	20Kg		
Application rate	25 - 35 g/m ²		
Pack Coverage	571 - 800m ²		
Suggested period of use: Jan - Dec			



Ultimax SL

Liquid seaweed extracts



A range of the highest quality seaweed extracts from *Ascophyllum Nodosum*, harvested from the pristine Atlantic Ocean just off South West Ireland. This seaweed is full of natural sustainable organic compounds, which help turf plants in a variety of ways.

This next generation of biostimulants are smarter, more efficient and bioactive; utilising the latest molecular tools and strategies, including DNA sequencing. This manufacturing process monitors plant-biostimulant interaction under normal and adverse growth conditions to deliver next generation performance. Put simply, our manufacturer has developed a technology akin to biological software that upgrades a plant's natural responses to specific climatic/growth challenges.

The Ultimax-SL Liquid uses a mild alkaline hydrolysis to release the most "bioactives", these bioactives are the result of long chain sugars (alginates) being transformed into shorter more active sugars / elicitors (Oligosaccharides). Academic and peer reviewed research points to these eliciting Oligosaccharides (short chain sugars) as being the true bioactives responsible for growth and stress tolerances, unlike cold extracts these bioactives are found in abundance in our proprietary extraction process.

Oligosaccharides act as a switch by turning on a turf grass's natural metabolic and defence process, producing a healthier turf enabling it to tolerate and recover from stresses such as drought, salinity, frost etc.

The extraction process turns inhibiting polyphenols, into beneficial humic acid biostimulants. Unlike the cold process seaweed extracts which can contain high levels of polyphenols which are not broken down and can inhibit germination and plant growth.

The main advantage in Ultimax-SL Liquids is that the extract is more soluble and are much higher concentration. The seaweed molecules are converted into much smaller highly soluble biomolecules (which do not block nozzles) when compared to other seaweed liquids on the market today. Having more of these more abundant biomolecules ensures that the product is much more concentrated and will provide more benefits from a smaller amount of product.

Benefits:-

- Premium 100% selected *Ascophyllum nodosum* extract
- The next generation of high concentration seaweed biostimulants
- High concentration of Bioactives, which provide all the benefits
- Increased Bioactives v competitor products
- Higher levels of Bioactives, humic acids and biostimulants than cold extraction seaweeds
- Oligosaccharides switch on the turf grass's natural metabolic and defence processes
- Stimulates healthy turf throughout the season
- Increases rooting and fertiliser uptake
- Promotes a healthier soil biology and aids a quicker break down of organic matter
- Increased turf colour without excess growth
- Natural gibberellins and auxins stimulate deep rooting and compact growth
- Will increase the plants metabolism and photosynthesis
- Betains thicken and strengthen cell walls increasing wear and drought tolerance
- Natural source of trace elements
- Improved turfgrass health, leading to increased disease resistance
- High concentrated seaweed extracts can help alleviate the symptoms of nematode damage

Pure Concentrate

- A 40% pure natural liquid seaweed concentrate
- High concentration of Bioactives
- Extremely high in trace elements, plant growth stimulants and amino acids
- Stimulates lateral tillering creating a thicker sward
- Increased microbial activity and improved rooting
- Improved stress tolerance
- 10Ltr treats 16,666m²

Active

- A 12-0-10+1%Fe ideal for use during active growth periods
- Zero phosphate analysis with added iron
- Improves tillering without growth flushes
- Stimulates healthy turf throughout the season
- Sustained colour response
- Contains Bioactives to help condition for in-season stress periods
- 10Ltr treats 2,222m²

Late & Early

- A 5-0-12+1%MgO ideal autumn or early spring tonic
- Will provide good levels of potassium when required
- Added magnesium enhances colour and growth
- Potassium for improved wear, drought, cold and disease tolerance
- Can be used throughout the year to provide healthy turf
- Contains Bioactives for improved growth and stress tolerance
- 10Ltr treats 2,222m²

Application

Area	Pure	Active	Late & Early	Tournament	Fortify
Golf Green 500m ²	0.3 Ltr	2.3 Ltr	2.3 Ltr	2.3 Ltr	2.3 Ltr
Bowling green 1475m ²	0.88 Ltr	6.6 Ltr	6.6 Ltr	6.6 Ltr	6.6 Ltr
One hectare 10,000m ²	6 Ltr	45 Ltr	45 Ltr	45 Ltr	45 Ltr
10Ltr Pack coverage	16,666 m ²	2222 m ²	2222 m ²	2222 m ²	2222 m ²
Water dilution rate	(500-1000 Ltr/Ha) / (50 - 100 Ltr / 1000 m ²)				

Time of application : Active for spring & summer use apply at six to eight week intervals throughout the growing season. Pure, Late & Early, Tournament and Fortify can be applied at any time of year, except during periods of frost.

Pack size 10Ltr / 200Ltr

Tournament

- A 7%Fe Ideal for pre-tournament preparation
- Green-up within 24 hours without soft growth
- Active during periods of low soil temperatures
- Conditions turf, helping to improve disease tolerance and encourage deeper rooting
- Source of trace elements and plant growth stimulants
- Ideal for use throughout the year
- 10Ltr treats 2,222m²

Fortify

- A 0-3-8 to fortify the plant against stress at key periods of the year
- Readily available source of Potassium Phosphite
- Phosphite is known to stimulate healthy growth and support the plant's natural defences
- Increased root and shoot growth from this available form of phosphate
- Contains 14-18% Bioactives
- Helps improve soil biology and stimulate microbial populations
- 10Ltr treats 2,222m²

Analysis

Product	Nutrient applied at recommended application rate (Kg/Ha)		
	N	P	K
Pure	0	0	0.4
Active	5.4	0	4.5
Late & Early	2.2	0	5.4
Tournament	0	0	0.1
Fortify	0	1.3	3.6



Nutri-Smart Liquid

Advanced liquid fertiliser

Nutri-Smart Liquid is a range of advanced fertiliser formulations designed for foliar uptake and root absorption.

The formulation includes a humectant package, complexing, chelating and compatibility agents. Nutrients are delivered to the plant by rapid foliar and root absorption. By applying in low water volumes the adjuvants and small molecular structure enables the nutrients to be taken up by the leaf. Applying in higher water volumes the nutrient is taken past the leaf to the rootzone where the nutrients can be taken up by the plants roots.

Benefits:-

- Rapid response with leaf and root uptake
- Optimal molecular size and structure allows more nutrients to be available longer
- Contains humectant to improve uptake in the summer months
- Increased chlorophyll concentration leading to improved photosynthesis
- Contains all necessary trace elements for healthy turf
- Encourages deeper, healthier rooting
- Will not produce flushed growth when applied
- Highly compatible with other turf management products

Humectant

Nutri-Smart Liquids have been designed with the inclusion of humectant technology. Unlike conventional foliar fertilisers, Nutri-Smart Liquids resist drying even after the aqueous spray solution has evaporated under high climatic conditions.

This is achieved as the humectant polymers are hygroscopic (water absorbing), which keeps nutrients in water soluble form by drawing enough air bound moisture to keep the nutrients available. This continues after the water within the applied foliar application has evaporated.

These nutrients are free to diffuse and penetrate leaves, which allows a stable and constant release of nutrient to the plant.

- Improves uptake under hot, dry conditions, or when the spray solution has dried
- A surface acting polymer which allows excellent spread ability on the leaf, which allows for complete coverage
- More effective than traditional foliar fertilizers
- Improves rain fastness



Biostimulant and Amino Acids Package

Nutri-Smart Liquids contain naturally derived simple carbohydrates. These short chain carbohydrates (glucose, sucrose, & fructose) are ideal for foliar feeding. When the plant is under considerable amounts of stress it cannot produce enough carbohydrates itself to meet demands. Nutri-Smart Liquids provide a source of carbohydrates to provide immediate energy source for the plant to relieve stress symptoms.

Trace Element Package (Te)

Trace elements provide the plant with a range of important micro nutrients which, help overcome any deficiencies found within the plant and increases the plants health e.g. root production and leaf strength.

The comprehensive EDTA trace element package within Nutri-Smart Liquids contains Boron, Copper, Iron, Manganese, Molybdenum and Zinc.

Complexing, Chelating and Compatibility Agents

Nutri-Smart Liquids contain organic facilitators, natural complexing and chelating agent, which ensures that nutrients are more available for uptake and translocation by the plant.

Nutri-Smart Liquids compatibility agent ensures efficient uptake and produces stable complexes over a wide pH range. This makes the Ideal tank mix partner with other turf management products.

	Nutrient applied at recommended application rate (Kg/Ha)											
	Nutri-Smart 12.0.12			Nutri-Smart 4.4.10			Nutri-Smart 25.0.0			Nutri-Smart 16.3.6		
	N	P	K	N	P	K	N	P	K	N	P	K
10 Lts Per Ha	1.45	0.00	1.45	0.48	0.48	1.21	3.03	0.00	0.00	1.94	0.36	0.73
20Lts Per Ha	2.90	0.00	2.90	0.97	0.97	2.42	6.05	0.00	0.00	3.87	0.73	1.45
30 Lts Per Ha	4.36	0.00	4.36	1.45	1.45	3.63	9.08	0.00	0.00	5.81	1.09	2.18
40 Lts Per Ha	5.81	0.00	5.81	1.94	1.94	4.84	12.10	0.00	0.00	7.74	1.45	2.90
50 Lts Per Ha	7.26	0.00	7.26	2.42	2.42	6.05	15.13	0.00	0.00	9.68	1.82	3.63
60 Lts Per Ha	8.71	0.00	8.71	2.90	2.90	7.26	18.15	0.00	0.00	11.62	2.18	4.36
70 Lts Per Ha	10.16	0.00	10.16	3.39	3.39	8.47	21.18	0.00	0.00	13.55	2.54	5.08
80 Lts Per Ha	11.62	0.00	11.62	3.87	3.87	9.68	24.20	0.00	0.00	15.49	2.90	5.81
90 Lts Per Ha	13.07	0.00	13.07	4.36	4.36	10.89	27.23	0.00	0.00	17.42	3.27	6.53
100 Lts Per Ha	14.52	0.00	14.52	4.84	4.84	12.10	30.25	0.00	0.00	19.36	3.63	7.26

Nutri-Smart Liquid 25-0-0+Te

- Provides a rapid green up
- Nitrogen only formulation, that can be tank mixed with other analysis
- Flexibility of application rates

Nutri-Smart Liquid 12-0-12+Te

- Increased absorption and transportation of nutrients within the plant
- Amino acids and biostimulant package provide immediate energy source for the plant to relieve stress symptoms
- Contains all necessary trace elements for healthy turf

Nutri-Smart Liquid 16-3-6+Te

- An ideal balanced NPK fertiliser for use during the growing season
- Added phosphate provides increased root growth and a stronger leaf ensuring healthier grass
- Improved uptake of the nutrients during hot and dry conditions

Nutri-Smart Liquid 4-4-10+Te

- Trace elements including manganese and copper will help strengthen the plant resistance to seasonal pressures
- Encourages seed germination and root growth
- High potassium will help harden the plant

Nozzle Guide

	Hypro Nozzle				Hardi Nozzle			
	Spray Quality	Type	Colour	Code	Spray Quality	Type	Colour	Code
Nutri-Smart Liquid								
Power Sprayer	Medium	Flat fan	White	F110-08	Medium	Flat fan	Brown	FF05 110
Knapsack (boom)	Coarse	Flat fan	Red	F80-04	Medium	Flat fan	Red	04 E80
Knapsack (single jet)	Medium / Coarse	Flood jet	White	DT 4.0	Coarse	Flood jet	Red	AN 2.4

This chart is produced as a guide only.

Application

Foliar Application Rate: 20-60Ltr per Ha in 300-500Ltr of water.

Pack size 10Ltr / 200Ltr / IBC
Pack coverage (10Ltr) Foliar uptake 1666 - 5000m²
Root uptake 1000 - 2500 m²

Root Drench Application Rate: 40-100Ltr per Ha in 600-900Ltr of water.

Applications frequency depending upon nutritional requirements; applications typically applied at 14-45 days intervals throughout the growing season.

Suitable for use in all types of sprayers capable of applying the appropriate volume of water. Apply as a fine to medium coarse spray. Water is not required after application.



Nutri-Smart Arrow

Promotes vertical leaf growth

A liquid containing both potassium and Arrow to promote vertical growth for a cleaner cut while increasing ball roll and green speed.

Arrow is a vital component in turf nutrient programmes. It accumulates in the leaf and will strengthen cell walls, toughen epidermal cells, regulate stomata function and boosts the plants natural disease defence. This will also lead to an increase in chlorophyll content and help improve the plant photosynthesis and colour.

The Arrow will also promote vertical growth and the leaf will stand up. This can be particularly useful when stalks and seed heads are present as it will allow them to be cut off easier giving a better appearance. When the blades are vertical this also allows for a more uniform surface and faster green speeds due to less leaf friction.

Benefits:-

- Increase ball roll and green speed
- Assists the removal of annual meadow heads and stalks
- Promotes vertical growth for improved cutting of uneven spring growth
- Stands the grass up, ideal for heavy wear areas and turning locations of mowers
- Height of cut can be raised due to increased ball speed during periods of stress
- Ideal for tournament preparation, spray two to four days before the start date for maximum results
- Reduces water loss during periods of dry weather
- Strengthens turf and resiliency - ideal for high wear areas
- Decreased susceptibility of plant to pests and disease
- Produces higher levels of chlorophyll in the leaf tissue - allowing the plant to utilize higher and lower light level



Application

Application rate: 10Ltr per hectare in 500Ltr water

0.5Ltr per 500 m2 in 25Ltr of water

Pack size 5Ltr

Pack coverage 5000 m2²

Nozzle Guide

	Hypro Nozzle				Hardi Nozzle			
	Spray Quality	Type	Colour	Code	Spray Quality	Type	Colour	Code
Nutri-Smart Arrow								
Power Sprayer	Medium	Flat fan	White	F110-08	Medium	Flat fan	Brown	FF05 110
Knapsack (boom)	Coarse	Flat fan	Red	F80-04	Medium	Flat fan	Red	O4 E80
Knapsack (single jet)	Medium / Coarse	Flood jet	White	DT 4.0	Coarse	Flood jet	Red	AN 2.4

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MixMe

Liquid spray enhancer

Mix-Me Liquid Spray Enhancer is designed to ensure maximum leaf up take of liquid fertilizers, biostimulants and other turf management products. The product can be used in many situations where fast and efficient uptake of foliar products is critical. Mix-Me contains compatibility agents and has excellent general tank mix properties and will tank mix with most liquid products in the Vision range.

Benefits:-

- Enhances leaf retention of turf management products
- Enhances leaf penetration and leaf coverage
- Improves rain fastness
- Highly compatible with other turf management products

Humectant

Mix-Me contains humectant, this allows turf management products to resist drying even after the aqueous spray solution has evaporated under high climatic conditions. These nutrients are free to diffuse and penetrate leaves and allows a stable and constant release of nutrients into the leaves.

- Improves uptake under hot, dry conditions, or when the spray solution has dried.
- A surface acting polymer, which allows excellent spread ability on the leaf, allowing for complete coverage.
- Improves rain fastness.

Spreading and Penetrant Polymers

Mix-Me contains a co-formulated blend of spreading and penetrant polymers, this ensures complete coverage of the leaf and aids the spray to penetrate through the plant cuticle. A larger surface area and an increased penetration, allows an efficient uptake by the plant and increased efficiency of the product.

Complexing, Chelating and Compatibility Agents

Mix-Me contains a natural complexing and chelating agents, this ensures that nutrients and tank mixed turf management products are more available for uptake and translocation by the plant.

Mix-Me compatibility agent ensures efficient uptake and produces stable complexes over a wide pH range. This makes it the ideal tank mix partner with other turf management products.



Application

1 Ltr of Mix-Me Liquid Spray Enhancer (1% spray tank solution)

Half fill the sprayer with clean water, add the appropriate amount of Mix-Me Liquid Spray Enhancer and fill with the remaining water whilst agitating. Add the turf management product and agitate.

Application rate: 1Ltr per 100Ltr spray solution

Pack size 5Ltr

Pack coverage 500Ltr Spray Solution



LIQUID TURF CONDITIONER Integral



A range of specially formulated all-in-one turf conditioners and recovery agents designed to promote plant health, alleviate stress conditions and stimulate recovery of the plant.

This range of three liquids should be an integral part of any turf maintenance programme. The range contains a range of trace elements, surfactants, biostimulants and amino acids to provide a resilient healthy plant.

Integral will help thicken the turfgrass sward and the carbohydrates will encourage tillering rather than top growth. Iron and magnesium will ensure a strong colour response while the surfactants will aid leaf penetration and sticking allowing for low application rates.

The calcium, iron and trace elements will help strengthen and harden the plant including the cell wall making this range of products ideal for year round use as long as no snow or frost is present.

These products are ideal for use on greens, stadiums, fairways, sportsfields and lawns.

Stress relief biostimulants

Integral liquids contain naturally derived simple carbohydrates, which can be utilised directly by the plant or by the soil micro-organisms

These short chain carbohydrates (glucose, sucrose, & fructose) are ideal for foliar feeding. When the plant is under considerable amounts of stress it cannot produce enough carbohydrates itself to meet demands. Integral liquids contain a source of carbohydrates to provide an immediate energy source for the plant to relieve stress symptoms.

In addition, carbohydrates are an important carbon and energy source for soil microorganisms, this can stimulate microbial activities in the rhizosphere, which accelerates soil organic matter decomposition, leading to mobilization of nutrients quickly available to the plant.

Benefits:-

- Will promote plant health and alleviate turf stress
- Contains spreading and leaf penetrant agents which enhance leaf penetration and leaf coverage
- Trace elements added for improving turf colour and health and assists the plants physiological process
- Carbohydrates for an immediate source of energy to the plant and will encourage rooting
- Complexed iron to increase chlorophyll content
- Use as part of an Integral turf maintenance programme
- Will help thicken turf without excessive top growth
- Provides a healthy green colour response
- Ideal for use in areas of wear and tear
- Can be used year round

Integral Turf

- A 5% Nitrogen formulation for use throughout the year
- Contains Iron and trace elements to improve turf colour
- Trace elements and carbohydrates will produce healthier turf
- Ideal to help precondition turf going into winter or use year round

Integral Plus

- A 12% Nitrogen formulation for use during the growing season
- Ideal when the turf is actively growing and requires additional nitrogen between fertiliser applications
- Provides a healthy turf with quicker recovery from wear and tear
- Iron and magnesium will provide a healthy turf colour

Integral Max

- A 9% Nitrogen formulation for year round use
- Ideal for pitch or tournament presentation
- Will help thicken turf without excessive top growth
- This product is ideal for stadiums where maximum colour is required

Application

40Ltr per ha in 500Ltr of water
 2Ltr per 500 m2 in 25Ltr of water
 Pack size 10 / 200Ltr
 Pack coverage 10Ltr treats 2500 m²

	Nutrient applied at recommended application rate (Kg/Ha)		
	Integral Turf 5%N	Integral Plus 12%N	Integral Max 9%N
	N	N	N
10 Lts Per Ha	0.63	1.50	1.13
20Lts Per Ha	1.25	3.00	2.25
30 Lts Per Ha	1.88	4.50	3.38
40 Lts Per Ha	2.50	6.00	4.50

Nozzle Guide

	Hypro Nozzle				Hardi Nozzle			
	Spray Quality	Type	Colour	Code	Spray Quality	Type	Colour	Code
Integral Liquids								
Power Sprayer	Medium	Flat fan	Brown	F110-05	Medium	Flat fan	Brown	FF05 110
Knapsack (boom)	Coarse	Flat fan	Red	F80-04	Medium	Flat fan	Red	O4 E80
Knapsack (single jet)	Medium / Coarse	Flood jet	White	DT 4.0	Coarse	Flood jet	Red	AN 2.4

This chart is produced as a guide only.





REFLEX

DUAL SOURCE LIQUID IRON

Vision Reflex Iron and Reflex Iron+K are a unique mix of complex and chelated liquid iron to give immediate turf response whilst maintaining longevity of up to 6 weeks of turf colour and plant strength.

Dual Iron Source

Reflex Iron and Reflex Iron+K contain 8% complexed and chelated irons for immediate turf response and enhanced longevity. The complexed iron is quickly absorbed by the plant to give an immediate green up response, which can be seen within three hours. EDTA is a chelated iron, which prevents lock-up with other elements in soils and is quickly absorbed by translocation into the plant.

Spreaders and Penetrants

Reflex Iron & Reflex Iron+K contain a co-formulated blend of improved spreading and penetrant wetting agents to ensure complete coverage of the leaf. A larger surface area and increased penetration improves the uptake of Reflex Iron & Reflex Iron+K by the plant, increasing efficiency of the product. In addition, the spreading and penetrant wetting agents will give the added benefits of short-term dew dispersal and leaf dryness.

Trace Elements

Reflex Iron & Reflex Iron+K both contain an EDTA trace element package including magnesium and manganese. The micronutrients are designed to correct any micro-deficiencies within the plant, assisting in the plants physiological processes.

Acidifying agent

Reflex Iron & Reflex Iron+K can also be used as part of an integrated disease management approach for fusarium (snow mould). They act by acidifying the stem base, reducing surface moisture and naturally hardening the plant to resist attack by fusarium (Microdochium).

RSi

Reflex Iron & Reflex Iron+K contain a unique bio-stimulant RSi (Root Stimulant and Improver), which will promote root hair and rootmass.

Potassium

Reflex Iron+K contains 6% potassium, particularly important for disease & frost resistance as it strengthens cell walls giving maximum hardening of the turf and increasing resistance to low temperatures. Potassium is also important to increase drought tolerance as it regulates the opening and closing of the stomata, which is required for efficient water use.

Benefits:-

- Dual 8% Iron source with complexed and chelated iron for immediate turf response and enhanced longevity
- Contains spreading and leaf penetrant agents which enhances leaf penetration and leaf coverage
- Reflex Iron+K contains 6% potassium; particularly important for drought, disease & frost resistance
- Can also be used as a winter hardener to acidify (lower the pH) and to help prevent disease on all types of turf
- Surfactant / Iron combination for dew dispersal and hardening to discourage fusarium patch disease
- Contains RSi - a unique bio-stimulant which will promote root hair and rootmass
- Promotes excellent turf colour, increases chlorophyll content
- Highly compatible with other turf management products

Application

20Ltr per ha in 600-1000Ltr of water

1Ltr per 500 m² in 30-50Ltr of water

Pack size 5 / 200Ltr

Pack coverage 5Ltr treats 2500 m²

Nozzle Guide

	Hypro Nozzle				Hardi Nozzle			
	Spray Quality	Type	Colour	Code	Spray Quality	Type	Colour	Code
Reflex Liquids								
Power Sprayer	Medium	Flat fan	Brown	F110-05	Medium	Flat fan	Brown	FF05 110
Knapsack (boom)	Coarse	Flat fan	Red	F80-04	Medium	Flat fan	Red	O4 E80
Knapsack (single jet)	Medium / Coarse	Flood jet	White	DT 4.0	Coarse	Flood jet	Red	AN 2.4

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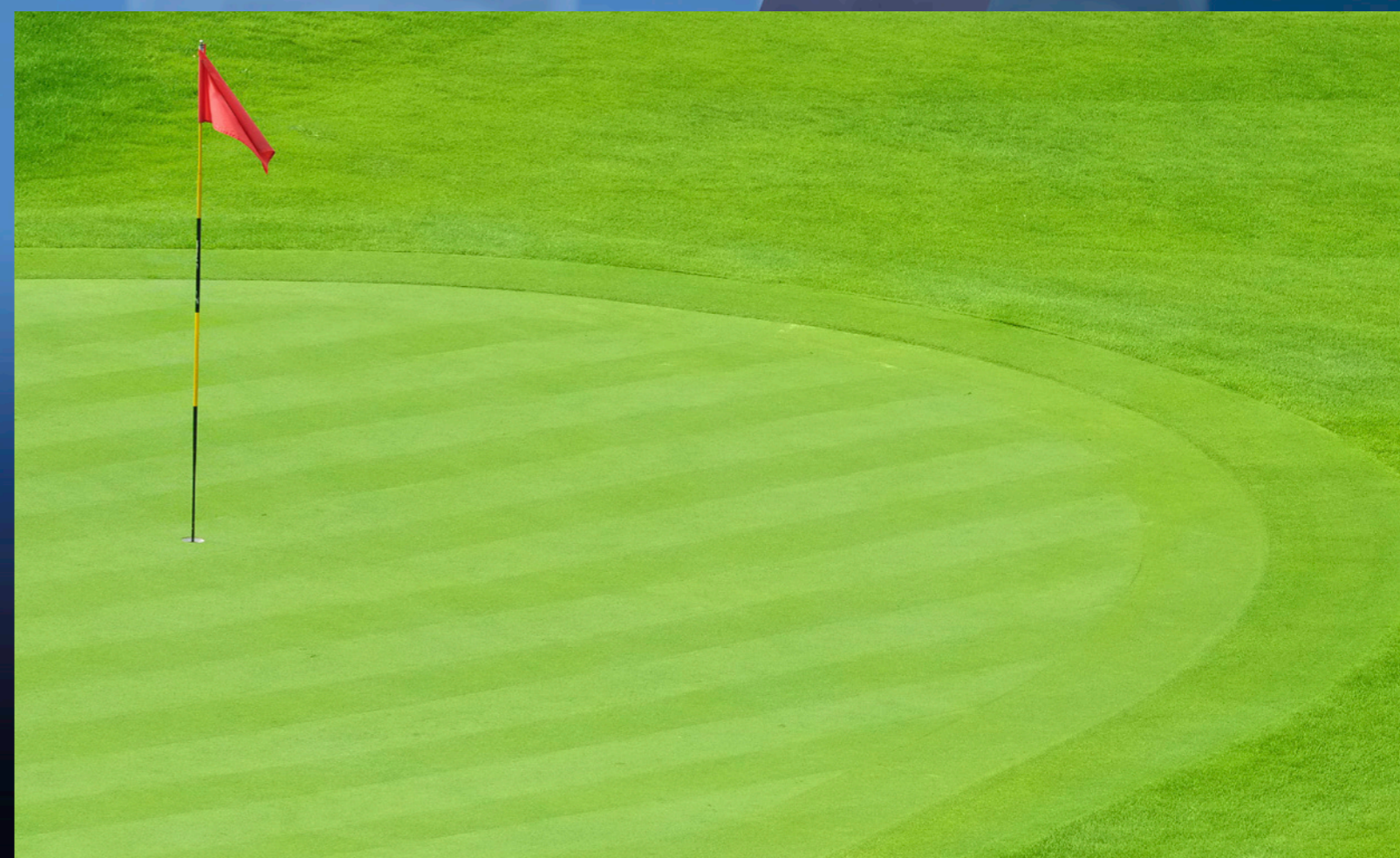
Iron

- High 8% Iron content
- Contains RSi root stimulant
- Added magnesium for extra colour



Iron+K

- As Reflex Iron plus 6% potassium ideal for extra turf hardening
- Potassium will help increase drought tolerance
- Rapid action with excellent longevity



HYDRO GUARD

A unique soil surfactant and root stimulant

This proprietary blend of soil surfactant technology is designed to be used as a preventative. It will provide uniform re-wetting and the ideal water to air ratio in the rootzone to prevent dry patch and hydrophobic soils. The added Biostimulants will help the plant cope with increased stress resistance and root boosting stimulation.

Benefits:-

- More than just a soil surfactant; a comprehensive water and stress relief management tool
- Blend of soil surfactants chain lengths to increase the longevity and the cumulative treatment effect
- Uniform wetting of the rootzone to provide the perfect balance of water to air ratio
- Creates a firmer playing surface with less moisture held in the thatch layer
- Longer lasting effective treatment
- Triple action surfactant formulation, preventative, curative and water conservation properties
- Treatment of dry patch, water repellency and associated symptoms
- Contains L-form amino acids for increased stress resistance and improved seed germination
- Ideal for links courses as amino acids will help the plant cope with salinity problems
- Contains RSi (Root Stimulant and Improver) biostimulant to increase vigour, root depth and root length
- Increased rate of photosynthesis
- Safe and beneficial to soil microbes
- Penetrant technology keeps the upper playing surface firm, whilst maintaining uniform re-wetting of the rootzone
- Dew dispersal post application

Surfactant Technology

Vision Hydroguard surfactant formulation provides preventative, curative and water conservation properties in any rootzone type.

Vision Hydroguard contains a specific blend of wetting agent technologies, these include spreading and penetrating agents to allow water to evenly spread and treat the most hydrophobic rootzone, this action ensures the product is distributed uniformly within the soil profile and will provide the correct consistent moisture to air ratio in the rootzone.

The penetration ability of Hydroguard ensures the product enters the rootzone efficiently and does not bind itself strongly to the organic matter in the top of the thatch layer like other surfactant chemistries. This in turn creates a firmer playing surface with less moisture held in the thatch layer.

The blend of premium concentrated surfactants has been designed to be applied on a monthly basis; the chemistry forms strong lasting bonds with hydrophobic soil or sand particles ensuring the area remains receptive to water in the future.

The spreading and penetrant agents are combined with an innovative residual wetting agent, which corrects water management issues within the rootzone enabling a longer period of water conservation by retaining moisture through prolonged drought periods.

The three surfactants combined also achieve total water management by increasing water efficiency ensuring water is deeply penetrated into the rootzone, reducing surface run off and therefore less evaporation of applied water.

Hydroguard contains a range of high molecular mass chemistries that are resistant to being flushed out of the rootzone by irrigation water, which enables the chemistry to perform more consistently over a longer period. This ensures correct water management within the rootzone enabling a longer period of water conservation and stress reduction on the turfgrass.

Biostimulants (RSi)

RSi biostimulant contains L-Form amino acids, the addition of L amino acids allows the plant to save energy during periods of stress and can function as normal. Energy is not diverted to other areas ensuring a healthier plant. By applying early in the season, it is possible to precondition the plant prior to any stress and it will allow the plant to work more effectively at lower temperatures.

The amino acids help increase chlorophyll concentration in the plant leading to an increased level of photosynthesis; amino acids also help the leaf stomata function more efficiently reducing transpiration and plant water loss.

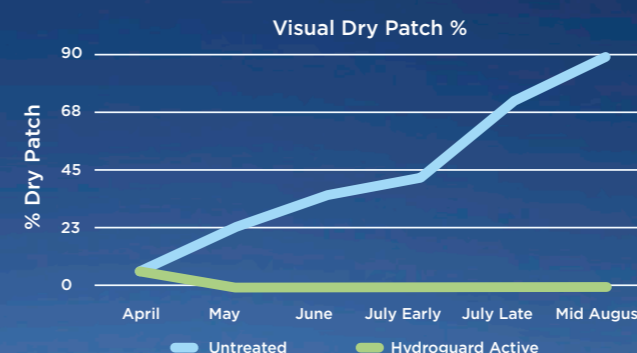
This makes Hydroguard Ideal for links courses, as the amino acids work within the plant to improve water and nutrient uptake by balancing osmotic potential, minimizing the impact of stress caused by high EC environments.

The unique biostimulant within Hydroguard also contains a systemic blend of simple carbohydrates and natural trace elements, this results in significant increase in root length and root hair development, which greatly increases the root mass. A greater root mass greatly increases the area available for absorption of water and other materials.

In addition, turf uses its roots as a reservoir to store water for its own use, if you can increase the plants rootmass (water reservoir) the plant has the ability to hold and store more water, which is vital during periods of drought. This leads to a more drought resilient plant, by increasing rootmass the plant is able to absorb greater quantities of nutrients and this leads to a stronger stress resistant plant.

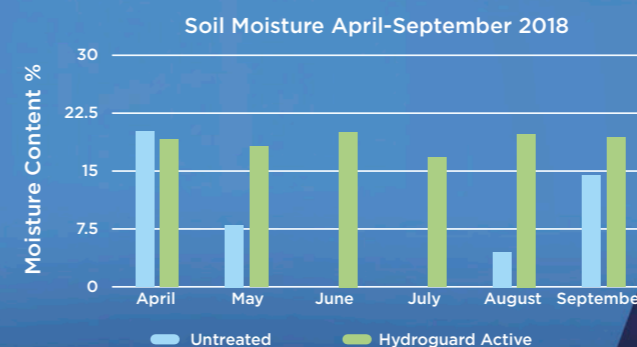
Trial Data

A randomized, replicated trial, was conducted within the UK between April and September 2018. The trials were undertaken on a Links course, which was naturally water repellent fine turf with significant fairy ring activity. Hydroguard was applied at 20Ltr per ha in 700Ltr water Ha with no watering in after application on a monthly basis.



Conclusion: Hydroguard reduced visual dry patch to 0% compared to the untreated area which increased throughout the summer period.

Soil Moisture Assessment



Conclusion: Hydroguard increased water holding capacity within the rootzone to retain a moisture content between 17-20% throughout the drought period. Whereas the soil moisture within the untreated plots reduced to zero, this

Nozzle Guide

	Hypro Nozzle				Hardi Nozzle			
	Spray Quality	Type	Colour	Code	Spray Quality	Type	Colour	Code
HydroGuard								
Power Sprayer	Coarse	Flat fan	White	F110-08	Coarse	Flat fan	White	FF08 110
Knapsack (boom)	Coarse	Flat fan	Brown	F80-05	Medium	Flat fan	Red	04 E80
Knapsack (single jet)	Coarse	Flood jet	White	DT 4.0	Coarse	Flood jet	Red	AN 2.4

This chart is produced as a guide only.



demonstrates the severe drought stress upon the trial plots.

Conclusion: Hydroguard dramatically reduced water infiltration time within the treated rootzone compared to untreated plots. M.E.D (Molar Ethanol Droplet) value of the treated soil was typically between 0 - 0.5, this highlights that there is no soil water repellency when using Hydroguard. Untreated plots had a M.E.D value of 3.5 - 4, which equates to a severely water repellent soil.

Application

20Ltr per hectare in 600-1000Ltr water

1Ltr per 500 m² in 30-50Ltr of water

Pack size 5 / 20 / 120 / 200Ltr / IBC

Pack Coverage 5Ltr treats 2500m², 20Ltr treats 1Ha, 120Ltr treats 6Ha, 200Ltr treats 10Ha



HYDRO SPORT

Premium fairway and sportsfield surfactant

Hydrosport Surfactant contains 3 different surfactants giving spreading, penetrating and rewetting.

The product has been formulated for the longer grass associated with fairways and outfield areas.

This product will outperform other fairway and sportsfield penetrant products which are designed only to flush water down through the profile quickly. These types of products will therefore not allow the rewetting or spreading of any available moisture in the rootzone for the plant to use.

Benefits:-

- Conserves water that is lost through surface evaporation while optimizing water performance from irrigation or rainfall.
- Reduces disease potential and cost associated with poor turf performance.
- Compatible in a tank mix with other Vision products (See tank mixing chart)
- Three modes of action - now available for a fairway and sportsfield product.
- Same technologies as used in greens grade wetting agents.
- Economical application with easy water volumes.

Application

10Ltr per hectare in 400-600Ltr water. Apply monthly or as needed

Pack size 120Ltr

Pack Coverage 120,000m²



HYDRO SOLVE

A curative surfactant

Hydrosolve is a curative surfactant, which has a unique blend of surfactants and organic acids.

These are specifically designed to remove the cause of water repellency issues in areas of localized dry patch and remove waxy mycelium deposits from fairy rings.

Water repellency is caused by the waxy lipids that coat sand and soil particles making them hydrophobic. Hydrosolve works directly on the buildup of these hydrophobic waxes and lipids coating the soil particles as it contains an organic acid. These acids act with a mild cleansing action on the hydrophobic coatings, increasing the number of sites available for re-hydrating.

Hydrosolve contains surfactants that keep these hydrophobic materials in solution, hence they cannot re-attach themselves back to the sand or soil particles and can then be flushed through the root zone; removing this build up and reinstating the soils natural water holding capacity. In addition the surfactants will also restore the rootzones optimal moisture levels.

Benefits:-

- A rapid long lasting, effective curative treatment
- Acts directly on the cause of dry patch
- Reduces grass wilt and aids recovery of stressed turf
- Use as part of a dry patch management program with Hydroguard wetting agent
- Extremely safe to all types of turfgrass
- Safe to soil microbes
- Ideal for hydrophobic environments caused by fairy rings.

Drypatch

Hydrosolve can be applied at any time of the year. For best results use in early spring before starting with a wetting agent programme with Hydroguard and apply in autumn after final wetting agent treatment. Application rate 20Ltr per Ha in 600-1000Ltr of water; ensure sufficient irrigation is applied to assist the flushing process.



Nozzle Guide

	Hypro Nozzle				Hardi Nozzle			
	Spray Quality	Type	Colour	Code	Spray Quality	Type	Colour	Code
Hydrosolve								
Power Sprayer	Coarse	Flat fan	White	F110-08	Coarse	Flat fan	White	FF08 110
Knapsack (boom)	Coarse	Flat fan	Brown	F80-05	Medium	Flat fan	Red	04 E80
Knapsack (single jet)	Coarse	Flood jet	White	DT 4.0	Coarse	Flood jet	Red	AN 2.4

This chart is produced as a guide only.

Fairy Rings

For Fairy Rings spike the rings to a depth of the mycelium in the soil plus 2cm. The holes should be very close together and should be made 10cm either side of the ring, as well as in the green ring itself.

Irrigate the turf for 5 minutes, apply Hydrosolve at 20Ltr per Ha rate and leave to stand for 1 hour. Repeat this process to ensure the ring has had a thorough soaking with Hydrosolve. Finally irrigate/drench using a hosepipe until water floods on the surface, then leave to soak in.

This process helps to break the water repellency of the fairy ring mycelium.

Application

20Ltr per hectare in 600-1000Ltr water

1Ltr per 500 m² in 30-50Ltr of water

Pack size 5Ltr

Pack Coverage 2500m²

Nozzle Guide

	Hypro Nozzle				Hardi Nozzle			
	Spray Quality	Type	Colour	Code	Spray Quality	Type	Colour	Code
Hydrosport								
Power Sprayer	Coarse	Flat fan	White	F110-08	Coarse	Flat fan	White	FF08 110
Knapsack (boom)	Coarse	Flat fan	Brown	F80-05	Medium	Flat fan	Red	04 E80
Knapsack (single jet)	Coarse	Flood jet	White	DT 4.0	Coarse	Flood jet	Red	AN 2.4

This chart is produced as a guide only.



HYDRO SOLVE

Soil surfactant pellets



Hose Pellet Guns Available



Dewlift

Dew dispersant

Hydrosolve Irrigation Tank Tablet

A curative surfactant pellet formulated for use through irrigation tanks. Use a 3Kg tablet per 2500Ltr irrigation tank to treat approximately one hectare. Re-apply every two to three weeks during summer. Coverage is only a guide and is affected by water temperature, flow rates and tank size.

Pack size 3Kg tablet



Hydrosolve Hose End Pellets

A curative surfactant pellet formulated for use through hose end pellet applicators. These are ideal for hand watering high spots or other areas prone to extreme stress.

Pack size 6 x 250g tablets

Pack coverage - Preventative - 1 tablet on average will treat 3000m² at 5-10 minutes per green.

Curative - 1 tablet on average will treat 1500m² at 10-20 minutes per green.



HYDRO FUSION

GRANULES

Curative & preventative granular surfactant

A hybrid dual action granular surfactant that has been designed to provide rapid long lasting effective curative treatment for dry patch. The preventative surfactant will allow you to use the product in a programmed approach for maximum protection. The curative surfactant will promote rapid recovery and restore stressed turf.

Ideal to use on greens and tees, spot treating hollows, humps and banks. Apply using a conventional spreader, by hand or a shaker pack. Spiking of the turf prior to application will enhance performance. Water after application to wash into the soil.

Benefits:-

- Dual action granular surfactant
- Preventative surfactants for maximum protection ideal to use in a programme
- Curative surfactants to promote rapid recovery of dry patch and stressed turf
- Can be used in all turf situations



A dew dispersant for use on all turf types

A concentrated formulation of specially selected polymeric surfactants. The two surfactants have a twin mode of action; firstly they are very effective at reducing the surface tension of water molecules thus preventing dew formation; secondly they have a very strong binding capacity, which enables them to attach to the surface of the leaf giving superior longevity to other dew control products.

Dewlift is most effective when applied to a dry turfgrass surface. Typically Dewlift will disperse dew for 7-14 days after application. This may vary due to many factors such as dampness of grass at the time of application, temperature severity of dew, mowing frequency and type of turfgrass treated.

Benefits:-

- Will disperse dew for 7-14 days
- Reduces the need for switching dew from greens early in the morning
- Use as part of a program to help minimize the risk of disease
- Two way mode of action

Application

10Ltr per hectare in 400Ltr water
 0.5Ltr per 500 m² in 20Ltr of water
 Pack size 5Ltr
 Pack coverage 5000 m²



Application

	Use	Grams per m ²	Kgs per ha	1 pack (15Kg) treats
Curative	Severe dry patch, curative action required Bunker edges / hot spots etc	20 - 30g m ²	200 - 300 kgs	500 - 750m ²
Preventative	Used in conjunction with a liquid wetting agent programme	10 - 20g m ²	100 - 200 kgs	750 - 1500m ²

Pack size 15Kg

Pack Coverage 500-1500m²

Nozzle Guide

	Hypro Nozzle				Hardi Nozzle			
	Spray Quality	Type	Colour	Code	Spray Quality	Type	Colour	Code
DewLift								
Power Sprayer	Coarse	Flat fan	White	F110-08	Coarse	Flat fan	White	FF08 110
Knapsack (boom)	Coarse	Flat fan	Brown	F80-05	Medium	Flat fan	Red	04 E80
Knapsack (single jet)	Coarse	Flood jet	White	DT 4.0	Coarse	Flood jet	Red	AN 2.4

This chart is produced as a guide only.



CleanmaxPRO

Hard surface cleaner

Hard surfaces and artificial pitches can become colonised with algae, slimes, lichen, liverworts and moss, especially in shaded situations. These areas can become a safety hazard due to the slippery surface, making them dangerous especially for sports activity.

Cleanmax Pro is a blend of organic acids and surfactants that loosen deposits acting as a safe cleaner for all types of hard surfaces. Apply using spraying equipment when no rain is expected and should be allowed to dry thoroughly. If there is a significant infestation, the area may need to be brushed, hosed or pressure washed to remove dead vegetative matter after a couple of days.

Hard surfaces can become covered in algae, slime or lichen especially in shaded damp conditions resulting in slippery surfaces. Paths can particularly become very dangerous for pedestrian traffic as do artificial sports surfaces such as tennis courts and astroturf games pitches.

Benefits:-

- Deters moss
- Cleans and removes algae
- Slimes and lichens removed
- Liverworts deterred
- Brightens up concrete surfaces
- Reduces the risk of slippery surfaces
- Better health and safety with reducing risk of accidents
- Low application rates
- Economical to use

Surfaces suitable to be treated with Cleanmax Pro hard surface cleaner:

- Concrete
- Asphalt
- Tarmac
- Block paving
- Artificial sports surfaces

Do not apply to marble or decorative limestone

Nozzle Guide

Any course nozzle for a knapsack or power spray can be used



Application

50Ltr per ha in 500Ltr of water

2.5Ltr per 500 m² in 25Ltr of water

Where there is thick build-up of vegetative matter ensure that the areas are well soaked to achieve complete penetration.

Keep pets and unprotected personnel off the treated areas until thoroughly dry, usually after 3 - 5 hours.

Pack size 5Ltr

Pack coverage 1000 m²



MOSCURE

Harden turf and deter moss

A liquid iron for use in the autumn and early spring for rapid greening up and hardening of turf with the added benefit of deterring moss.

Iron sulphate has for many years been a useful tool for managing turf, it brings rapid colour, hardening turf and helping to lessen the impact of disease. High concentrations of iron sulphate can reduce the severity of moss in turf. With the loss of worm suppressants there is increased problems from worm casts on turf. The acidification of the upper root zone can reduce the activity of casting worms. Moscure will lower surface pH and can be a useful part of an integrated pest management programme.

Moscure is a complex of iron sulphate with unique surfactants that allows the iron to enter the plants rapidly but without blackening the turf. Where moss is present it will discolour over a period of a few days. If there is significant moss in the sward it is advisable to scarify or rake out the debris to allow the sward to knit back and fill the gaps. The application of an autumn and winter fertiliser will further enhance recovery of the grasses.

Moscure contains a small amount of nitrogen to help the grass recolonize areas affected by moss invasion.

Benefits:-

- Gives rapid green up
- Nitrogen aids turf recovery
- Hardens turf increasing tolerance to disease and cold stress
- Deters moss
- Corrects iron deficiencies
- Reduces the surface pH helping to suppress casting worm activity
- Low application rates
- Economical to use

Nozzle Guide

	Hypro Nozzle				Hardi Nozzle			
	Spray Quality	Type	Colour	Code	Spray Quality	Type	Colour	Code
Moscure								
Power Sprayer	Medium	Flat fan	White	F110-08	Medium	Flat fan	Brown	FF05 110
Knapsack (boom)	Coarse	Flat fan	Red	F80-04	Medium	Flat fan	Red	04 E80
Knapsack (single jet)	Medium / Coarse	Flood jet	White	DT 4.0	Coarse	Flood jet	Red	AN 2.4

This chart is produced as a guide only.



Application

40Ltr per ha in 500-700Ltr of water

2Ltr per 500 m² in 25-35Ltr of water

Pack size 5Ltr

Pack coverage 1250 m²



Nozzle Guide Chart

	Hypo Nozzle				Hardi Nozzle			
	Spray Quality	Type	Colour	Code	Spray Quality	Type	Colour	Code
Nutri-Smart 12.0.12								
Power Sprayer	Medium	Flat fan	White	F110-08	Flat fan	Medium	Brown	FF05 110
Knapsack (boom)	Coarse	Flat fan	Red	F80-04	Flat fan	Medium	Red	04 E80
Knapsack (single jet)	Medium / Coarse	Flood jet	White	DT 4.0	Flood jet	Coarse	Red	AN 2.4
Nutri-Smart 4.4.10								
Power Sprayer	Medium	Flat fan	White	F110-08	Flat fan	Medium	Brown	FF05 110
Knapsack (boom)	Coarse	Flat fan	Red	F80-04	Flat fan	Medium	Red	04 E80
Knapsack (single jet)	Medium / Coarse	Flood jet	White	DT 4.0	Flood jet	Coarse	Red	AN 2.4
Nutri-Smart 16-3-6								
Power Sprayer	Medium	Flat fan	White	F110-08	Flat fan	Medium	Brown	FF05 110
Knapsack (boom)	Coarse	Flat fan	Red	F80-04	Flat fan	Medium	Red	04 E80
Knapsack (single jet)	Medium / Coarse	Flood jet	White	DT 4.0	Flood jet	Coarse	Red	AN 2.4
Nutri-Smart 25-0-0								
Power Sprayer	Medium	Flat fan	White	F110-08	Flat fan	Medium	Brown	FF05 110
Knapsack (boom)	Coarse	Flat fan	Red	F80-04	Flat fan	Medium	Red	04 E80
Knapsack (single jet)	Medium / Coarse	Flood jet	White	DT 4.0	Flood jet	Coarse	Red	AN 2.4
Aitkens Sulphate of Ammonia Liquid								
Power Sprayer	Medium	Flat fan	White	F110-08	Flat fan	Medium	Brown	FF05 110
Knapsack (boom)	Coarse	Flat fan	Red	F80-04	Flat fan	Medium	Red	04 E80
Knapsack (single jet)	Medium / Coarse	Flood jet	White	DT 4.0	Flood jet	Coarse	Red	AN 2.4
Nutri-Smart Arrow								
Power Sprayer	Medium	Flat fan	White	F110-08	Flat fan	Medium	Brown	FF05 110
Knapsack (boom)	Coarse	Flat fan	Red	F80-04	Flat fan	Medium	Red	04 E80
Knapsack (single jet)	Medium / Coarse	Flood jet	White	DT 4.0	Flood jet	Coarse	Red	AN 2.4
Hydroguard Liquid								
Power Sprayer	Coarse	Flat fan	White	F110-08	Coarse	Flat Fan	White	FF08 110
Knapsack (boom)	Coarse	Flat fan	Brown	F80-05	Flat fan	Medium	Red	04 E80
Knapsack (single jet)	Coarse	Flood jet	White	DT 4.0	Flood jet	Coarse	Red	AN 2.4
HydroSport Liquid								
Power Sprayer	Coarse	Flat fan	White	F110-08	Coarse	Flat Fan	White	FF08 110
Knapsack (boom)	Coarse	Flat fan	Brown	F80-05	Flat fan	Medium	Red	04 E80
Knapsack (single jet)	Coarse	Flood jet	White	DT 4.0	Flood jet	Coarse	Red	AN 2.4
HydroSolve Liquid								
Power Sprayer	Coarse	Flat fan	White	F110-08	Coarse	Flat Fan	White	FF08 110
Knapsack (boom)	Coarse	Flat fan	Brown	F80-05	Flat fan	Medium	Red	04 E80
Knapsack (single jet)	Coarse	Flood jet	White	DT 4.0	Flood jet	Coarse	Red	AN 2.4
Dew Lift								
Power Sprayer	Coarse	Flat fan	White	F110-08	Coarse	Flat Fan	White	FF08 110
Knapsack (boom)	Coarse	Flat fan	Brown	F80-05	Flat fan	Medium	Red	04 E80
Knapsack (single jet)	Coarse	Flood jet	White	DT 4.0	Flood jet	Coarse	Red	AN 2.4

Hypo Nozzle				Hardi Nozzle			
Spray Quality	Type	Colour	Code	Spray Quality	Type	Colour	Code

Ultimax-SL Active								
Power Sprayer	Medium	Flat fan	White	F110-08	Flat fan	Medium	Brown	FF05 110
Knapsack (boom)	Coarse	Flat fan	Red	F80-04	Flat fan	Medium	Red	04 E80
Knapsack (single jet)	Medium / Coarse	Flood jet	White	DT 4.0	Flood jet	Coarse	Red	AN 2.4

Ultimax-SL Pure Concentrate 40% Seaweed								
Power Sprayer	Medium	Flat fan	White	F110-08	Flat fan	Medium	Brown	FF05 110
Knapsack (boom)	Coarse	Flat fan	Red	F80-04	Flat fan	Medium	Red	04 E80
Knapsack (single jet)	Medium / Coarse	Flood jet	White	DT 4.0	Flood jet	Coarse	Red	AN 2.4

Ultimax-SL Fortify								
Power Sprayer	Medium	Flat fan	White	F110-08	Flat fan	Medium	Brown	FF05 110
Knapsack (boom)	Coarse	Flat fan	Red	F80-04	Flat fan	Medium	Red	04 E80
Knapsack (single jet)	Medium / Coarse	Flood jet	White	DT 4.0	Flood jet	Coarse	Red	AN 2.4

Ultimax-SL Late & Early								
Power Sprayer	Medium	Flat fan	White	F110-08	Flat fan	Medium	Brown	FF05 110
Knapsack (boom)	Coarse	Flat fan	Red	F80-04	Flat fan	Medium	Red	04 E80
Knapsack (single jet)	Medium / Coarse	Flood jet	White	DT 4.0	Flood jet	Coarse	Red	AN 2.4

Ultimax-SL Tournament								
Power Sprayer	Medium	Flat fan	White	F110-08	Flat fan	Medium	Brown	FF05 110
Knapsack (boom)	Coarse	Flat fan	Red	F80-04	Flat fan	Medium	Red	04 E80
Knapsack (single jet)	Medium / Coarse	Flood jet	White	DT 4.0	Flood jet	Coarse	Red	AN 2.4

Reflex Iron								
Power Sprayer	Medium	Flat Fan	Brown	F110-05	Medium	Flat Fan	Brown	FF05 110
Knapsack (boom)	Coarse	Flat Fan	Red	F80-04	Medium	Flat Fan	Red	04 E80
Knapsack (single jet)	Medium / Coarse	Flood jet	White	DT 4.0	Coarse	Flood jet	Red	AN 2.4

Reflex Iron + K								
Power Sprayer	Medium	Flat Fan	Brown	F110-05	Medium	Flat Fan	Brown	FF05 110
Knapsack (boom)	Coarse	Flat Fan	Red	F80-04	Medium	Flat Fan	Red	04 E80
Knapsack (single jet)	Medium / Coarse	Flood jet	White	DT 4.0	Coarse	Flood jet	Red	AN 2.4

Moscur								
Power Sprayer	Medium	Flat fan	White	F110-08	Flat fan	Medium	Brown	FF05 110
Knapsack (boom)	Coarse	Flat fan	Red	F80-04	Flat fan	Medium	Red	04 E80
Knapsack (single jet)	Medium / Coarse	Flood jet	White	DT 4.0	Flood jet	Coarse	Red	AN 2.4

Aitkens Sulphate of Iron Liquid								
Power Sprayer	Medium	Flat fan	White	F110-08	Flat fan	Medium	Brown	FF05 110
Knapsack (boom)	Coarse	Flat fan	Red	F80-04	Flat fan	Medium	Red	04 E80
Knapsack (single jet)	Medium / Coarse	Flood jet	White	DT 4.0	Flood jet	Coarse	Red	AN 2.4

Integral Turf								
Power Sprayer	Medium	Flat Fan	Brown	F110-05	Medium	Flat Fan	Brown	FF05 110
Knapsack (boom)	Coarse	Flat Fan	Red	F80-04	Medium	Flat Fan	Red	04 E80
Knapsack (single jet)	Medium / Coarse	Flood jet	White	DT 4.0	Coarse	Flood jet	Red	AN 2.4

Integral Plus								
Power Sprayer	Medium	Flat Fan	Brown	F110-05	Medium	Flat Fan	Brown	FF05 110
Knapsack (boom)	Coarse	Flat Fan	Red	F80-04	Medium	Flat Fan	Red	04 E80
Knapsack (single jet)	Medium / Coarse	Flood jet	White	DT 4.0	Coarse	Flood jet	Red	AN 2.4

Integral Max								
Power Sprayer	Medium	Flat Fan	Brown	F110-05	Medium	Flat Fan	Brown	FF05 110
Knapsack (boom)	Coarse	Flat Fan	Red	F80-04	Medium	Flat Fan	Red	04 E80
Knapsack (single jet)	Medium / Coarse	Flood jet	White	DT 4.0	Coarse	Flood jet	Red	AN 2.4

This chart is produced as a guide only and calibration should take place before each use.



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Tank Mix Chart

	Nutri-Smart 12.0.12	Nutri-Smart 4.4.10	Nutri-Smart 25.0.0	Nutri-Smart 16.3.6	Aitkens Sulphate of Ammonia	Nutri-Smart Arrow	Hydroguard Active	Hydroguard Sport	Hydrosolve Curative	Dew Lift	Mix Me Liquid Enhancer	Ultimax-SL Active	Ultimax-SL Tournament	Ultimax-SL Pure Concentrate	Ultimax-SL Fortify	Ultimax-SL Late & Early	Reflex Fe	Reflex Fe + K	Aitkens Sulphate of Iron	Moscure	Integral Turf	Integral Plus	Integral Max
Nutri-Smart 12.0.12	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
Nutri-Smart 4.4.10	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
Nutri-Smart 25.0.0	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
Nutri-Smart 16.3.6	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
Aitkens Sulphate of Ammonia	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
Nutri-Smart Arrow	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
Hydroguard Active	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
Hydroguard Sport	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
Hydrosolve Curative	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
Dew Lift	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
Mix Me Liquid Enhancer	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
Ultimax-SL Active	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
Ultimax-SL Tournament	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
Ultimax-SL Pure Concentrate	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
Ultimax-SL Fortify	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
Ultimax-SL Late & Early	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
Reflex Fe	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
Reflex Fe + K	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
Aitkens Sulphate of Iron	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
Moscure	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
Integral Turf	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
Integral Plus	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
Integral Max	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green

- Key**
- Physically compatible. No compatibility issues noted.
 - Mix with caution. High iron content within tank mix / Wetting agent & liquid iron tank mix / Foliar & root absorbed tank mix
 - Physical tank mix incompatibility. Do not tank mix

This chart is produced as a guide only, It is recommended a "Jar Test" is undertaken to ensure tank mix compatibility on site.