



Turf & Amenity

2015/16 Product Guide

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Innovative solutions to help turf be stronger, healthier and perform at the highest level.

ICL Turf & Amenity dedicates itself to providing you with outstanding products and solutions for all your needs.

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For further information contact your
Everris Technical Area Sales Manager
or visit www.everris.co.uk | www.everris.ie



As part of the ICL Group, we strive to bring you the most technically advanced products and solutions

We provide speciality fertilizers and nutrition programmes, turf seed, plant protection products and growing media to help you meet the demands of modern-day turf and amenity management.

We take great pride in the integrity and value of our dynamic world-class product portfolios and in the provision of dedicated technical support, available to you from the team at Everris.

Through our product technologies, our ongoing support of end-user education and through iTurf, our integrated turf management programme, we continue to advocate best practice in turf management and sound environmental stewardship.

With market-leading fertilizer brands – including SierrablenPlus, SierraformGT and Greenmaster – and a wealth of knowledge in both our Turf & Amenity technical teams and our network of distributors, we look forward to working with you and supporting you in all aspects of your work.



Driven by innovation

We continually invest in new products and have some of the most advanced Research and Development facilities in the world. We are also committed to sustainability, helping to maintain our environment in an efficient and responsible way.

From raw materials through to finished product, we are dedicated to producing the finest range of fertilizer, plant protection and grass seed technologies, all backed up by first-class customer service. Turf managers at many of the world's finest sporting venues trust our technologies to help them produce high-quality turf for sports and amenity use.



Inspired by nature

As well as fertilizer, plant protection products and grass seeds, Everris offers expertise and solutions to a range of turf problems, which we bring together in our unique programme of integrated turf practices and treatments.

Integrated turf management (ITM) focuses on using the best products in the most efficient and responsible way. Everris is championing ITM through iTurf in order to provide turf managers with an easy way of meeting their environmental responsibilities and complying with increasing rules and regulations regarding chemical application. It also helps them maintain healthy turf through long-term sustainable management.



For further information contact your
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Sign up to... **Turf** REWARDS

Turf Rewards is a loyalty scheme for golf, sports and amenity turf managers

With Turf Rewards we offer the chance to earn points from purchases and convert them into a range of valuable agronomic or educational items.

All you need to do is purchase qualifying products to earn your points, and claim your rewards using our online system.

Benefiting the turf manager, their team, their turf, and the organisation they work for, Turf Rewards offers the opportunity to gain essential agronomic and workplace tools, and learning opportunities for members of staff.

turfrewards.com

Turf Rewards Benefits

- Receive points every time you purchase selected products
- Redeem points for agronomic or educational items
- Improve your turf surfaces through measurement and understanding
- Help your team to gain further qualifications
- Receive exclusive benefits including seminars, workshops and networking events
- Maximise your budget with every purchase

Turf
REWARDS

PRODUCT
see pages 4-5

Watch out for this symbol on qualifying Everris products and benefit from better turf



Turf Rewards is as easy as

1



Sign up online

2



Purchase qualifying
products and
collect points

3

5
POINTS

10
POINTS

25
POINTS

Log the points
you've collected and
claim your reward

"We have greatly benefited from our involvement with Turf Rewards. The scheme has not only provided us with a range of quality products, but it has also enabled us to invest in educational schemes and courses for a number of our employees."

Mike Bush
St. Mellion GC/Crown Golf

turfrewards.com

Terms & Conditions apply.
See Turf Rewards brochure for full details.

An aerial photograph of a golf course, showing a green, a sand trap, and a water hazard. A large white diagonal shape is overlaid on the left side of the image, containing the text.

Fertilizers

Turf managers across the globe trust Evertis products to deliver outstanding results

Our comprehensive range of turf and amenity fertilizers provides the highest quality nutrition for turf that performs well, is healthy, resilient and looks good. Our unique, cutting edge, controlled release and slow release technologies deliver nutrients accurately and efficiently.



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Precision Nutrition

Everris fertilizer technologies deliver the optimum level of nutrient to support healthy turf

Conventional, controlled (coated) and slow-release technologies are all available to help you design your nutrition programmes to support the production of healthy and high quality turf.

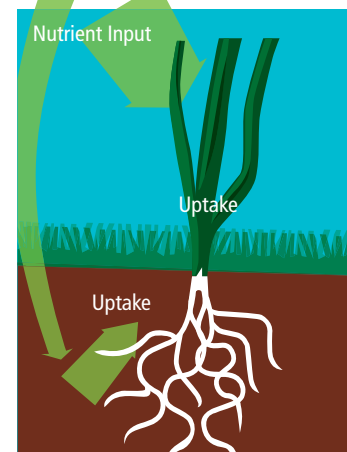
Extensive independent trial work has repeatedly confirmed the benefits of choosing premium formulations. If you are able to deliver nutrient in the correct form with an appropriate release pattern then you will improve the sward quality, increase root mass and radically reduce the level of disease activity.

Premium Conventional Sources

We only include premium quality ingredients in our formulations.

Everris only uses urea and ammoniacal nitrogen sources (primarily from ammonium sulphate) in the Greenmaster Pro-Lite range. We deliberately avoid the use of nitrate nitrogen, which can leach easily or increase the risk of damaging disease outbreaks. At Everris all our ingredients are considered to be crucial to achieving the best results.

Nutrient Input



The choice of nutrient source is essential for effective uptake and longevity.



Granulation



Coatings



Liquids

Fertilizer Technologies

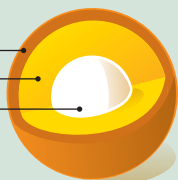
Our nutrition delivery technology is designed to help you maximise turf performance, minimise fertilizer inputs and eliminate waste.

Poly-S

Coated granule technology. Polymer and sulphur coating regulates nitrogen release to suit plant demand.

Poly-S technology:

Outer polymer coating
Inner sulphur coating
Urea nutrient core



Nitrogen granules are coated first with sulphur (a plant nutrient in itself) and then a unique polymer membrane, which is degradable. Once moisture permeates this outer polymer membrane and sulphur coating, nitrogen is released. Depending on the thickness of the coating, this release can last up to 6 months. Major increases in soil temperature and/or moisture do not create severe fluctuations in this release pattern, ensuring that Poly-S provides non-surge growth and a healthy, green turf even in warm, wet conditions. Because nutrient uptake is so efficient, the risk of leaching is reduced.

PACE

Resin coated technology. Resin coating of NPK and trace elements to provide tailored release patterns.

PACE technology:

Nutrient is combined within each granule.



PACE is a controlled release technology fertilizer containing more than one nutrient. Our unique vegetable-based resin membrane ensures the plant receives a steady dose of nitrogen, potassium and phosphorus. Depending on the thickness of the coating, nutrients are released over different lengths of time from 2 - 3 months up to 8 - 9 months. When applied, pressure starts to build up within the granule, forcing nutrients through the semi-permeable vegetable-based coating. The release is not influenced by soil moisture levels, pH or bacterial activity, so remains consistent over a wide range of environmental conditions.

MU₂

Extended nitrogen release in microfine granules. Slow release nitrogen that can be incorporated with a combination of quality nutrient sources.

MU₂ technology:

SierraformGT contains the correct and most effective combination of nutrients for the grass plant. Every granule has an identical composition. The result is even growth and colour all over the entire turf area.



MU₂ technology ensures the fertilizer distributes nutrients uniformly when applied, for even and slow growth across the whole grass area, creating a dense sward and a strong rooting system.

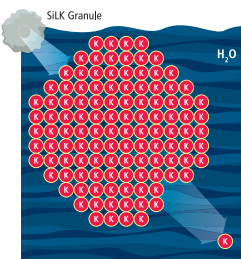
Fertilizers containing MU₂ technology are very safe to use. They have extremely low salt levels so the turf plant can't be burnt or damaged. The result is increased longevity of up to 8 weeks (depending on environmental conditions).

SiLK

Slow release potassium. A key ingredient of premium formulations to extend potassium and silica release and minimise leaching loss.

SiLK technology:

Slow release potassium in combination with silica has been shown in trials to improve drought tolerance.



Potassium is important for water regulation, protein synthesis, storage of starch and meristematic growth in plants as well as activating enzymes. With SiLK, a larger bank of potassium remains in the root zone available for plant uptake over a period of approximately 8 weeks.

Silica improves both the structure and strength of cells, helping to protect the plant from disease. Excessive soil moisture does not affect the release mechanism.

For further information contact your
Everris Technical Area Sales Manager
or visit www.everris.co.uk | www.everris.ie

Sierraform[®] GT

High performance long-lasting micro-granular fertilizers

SierraformGT 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.

SierraformGT 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 Performance*

Granule dispersal: 2 - 3 days
Turf response: 7 days
Longevity: 6 - 8 weeks

*depending on environmental factors

Turf
REWARDS

PRODUCT
see pages 4-5

Areas of Use

- ✓✓ Greens
- ✓ Tees
- ✓ Fairways
- ✓ Sportsfields



The Complete SierraformGT Range

Product Name Oxide Analysis (Elemental Analysis)	Product Notes	Nitrogen		
		Total N	N-NO ₃	
Spring Start 16-0-16 +Fe +Mn (16-0-13.3 +Fe +Mn)	Quick reaction in cooler conditions, ideal for spring application.	16		
Momentum 22-5-11 +2MgO +TE (22-2.2-9.1 +1.2Mg +TE)	For use in spring and summer, with magnesium and TE for turf colour.	22		
All Season 18-6-18 +2MgO +TE (18-2.6-14.9 +1.2Mg +TE)	Ideal for use after aeration to stimulate root growth.	18		
NK 19-0-19 +2MgO +TE (19-0-15.8 +1.2Mg +TE)	Balanced NK fertilizer for use from spring to autumn.	19		
Anti-Stress 15-0-26 +Fe (15-0-21.5 +Fe)	High potassium content to harden turf in stressful summer or autumn conditions.	15		
K-STEP 6-0-27 +2MgO +TE (6-0-22.4 +1.2Mg +TE)	High potassium content to harden turf in autumn and winter.	6		
Pre-Seeder 18-22-5 (18-9.6-4.1)	Ideal for use during over-seeding period or when laying turf.	18		



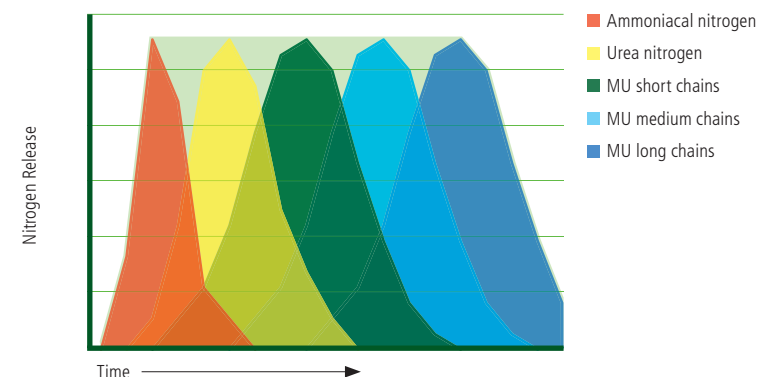
Nutrient Breakdown				Total P	Total K	MgO	Bag Sizes (kg)	Application Rate (g/m²)	Nutrient Levels Applied (kg/ha)			Bag Coverage per m²	Recommended Period of Use											
Nitrogen			N						P	K	20kg Bag		J	F	M	A	M	J	J	A	S	O	N	D
	N-NH₄	N-Urea																						
	7.9	2.4	5.7		16		20	20 25 30	32.0 40.0 48.0	0.0 0.0 0.0	32.0 40.0 48.0	1,000 800 667												
	3	7.5	11.5	5	11	2	20	20 25 30	44.0 55.0 66.0	10.0 13.0 15.0	22.0 28.0 33.0	1,000 800 667												
	1.3	8.2	8.5	6	18	2	20	20 25 30	36.0 45.0 54.0	12.0 15.0 18.0	36.0 45.0 54.0	1,000 800 667												
		9.9	9.1		19	2	20	20 25 30	38.0 48.0 57.0	0.0 0.0 0.0	38.0 48.0 57.0	1,000 800 667												
		7.2	7.8		26		20	20 25 30	30.0 38.0 45.0	0.0 0.0 0.0	52.0 65.0 78.0	1,000 800 667												
	0.7		5.3		27	2	20	20 25 30	12.0 15.0 18.0	0.0 0.0 0.0	54.0 68.0 81.0	1,000 800 667												
	6.4	2.7	8.9	22	5		20	20 25 30	36.0 45.0 54.0	44.0 55.0 66.0	10.0 12.5 15.0	1,000 800 667												

Spreader Settings

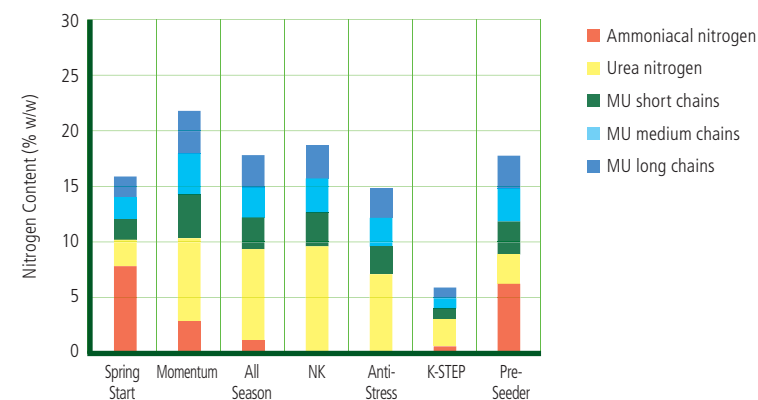
Rate (g/m ²)	Rotary Spreader (SR-2000 or AccuPro 2000)			
	Cone Setting	Spread Width	Single Pass @ Full Rate	Double Pass @ Half Rate
20	6	3.7m	L	I ½
25	6	3.7m	M	J ½
30	6	3.7m	M ½	K

The Delivery of Nitrogen for Sustained Release

Nitrogen Release in SierraformGT



Nitrogen Content in SierraformGT



For further information contact your
Everris Technical Area Sales Manager
or visit www.everris.co.uk | www.everris.ie

Greenmaster® Pro-Lite®

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

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

Greenmaster Pro-Lite Benefits

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

Product Performance*

Granule dispersal: 3 - 4 days
Turf response: within 7 days
Longevity: 6 weeks

*depending on environmental factors

Turf
REWARDS

PRODUCT
see pages 4-5

Areas of Use

- ✓✓ Greens
- ✓ Tees
- ✓ Fairways
- ✓ Sportsfields



The Complete Greenmaster Pro-Lite Range

Product Name Oxide Analysis (Elemental Analysis)	Product Notes	Nitrogen		
		Total N	N-NH ₄	
Turf Tonic 8-0-0 +3MgO +Fe (8-0-0 +1.8Mg +Fe)	Works well at low temperatures to boost early season growth.	8	4.5	
Invigorator 4-0-8 +2MgO +4Fe (4-0-6.6 +1.2Mg +4Fe)	Low nitrogen, high potassium with iron to help harden turf in spring and autumn.	4	4	
Cold Start 11-5-5 +8Fe (11-2.2-4.1 +8Fe)	Readily available nitrogen, phosphorus and potassium to kick-start spring recovery growth.	11	5.6	
Spring & Summer 14-5-10 +2MgO (14-2.2-8.3 +1.2Mg)	Maintains strong growth levels and enhances turf colour during the spring and summer.	14	5.1	
Zero Phosphate 14-0-10 +3MgO (14-0-8.3 +1.8Mg)	Maintains turf health during periods of growth. Magnesium content helps improve turf colour and stress tolerance.	14	7.8	
NK 12-0-12 +3MgO +2Fe (12-0-10.0 +1.8Mg +2Fe)	Ideal for use from spring through to late summer to maintain potassium levels.	12	4.1	
Double K 7-0-14 +4Fe (7-0-11.6 +4Fe)	Low nitrogen high potassium for turf strengthening throughout the year.	7	2.8	
Autumn 6-5-10 +6Fe (6-2.2-8.3 +6Fe) MAPP No 12196 / PCS No 92155	NPK analysis with high iron to balance turf health, harden the sward and provide moss control.	6	4.3	
Autumn Mg 6-5-11 +3MgO +0.5Fe (6-2.2-9.1 +1.8Mg +0.5Fe)	Low iron NPK analysis formulated with magnesium to enhance turf health and colour.	6	1.8	
Pro-Iron 0-0-0 +7Fe +3MgO +seaweed (0-0-0 +7%Fe +1.8Mg + seaweed)	Provides quick green-up with minimal growth, especially useful in autumn and winter.			
Moskiller 14-0-0 +8.9Fe MAPP No 12197 / PCS No 90716	Ideal for use as a spring fertilizer or in areas with moss infestation.	14	6	

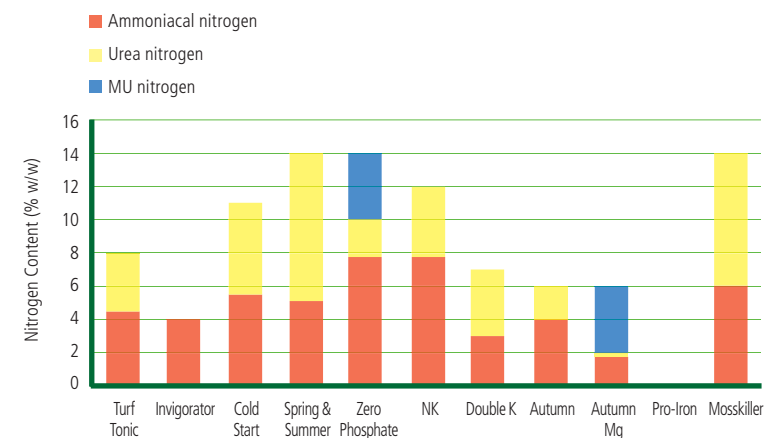


Nutrient Breakdown						Bag Sizes (kg)	Application Rate (g/m²)	Nutrient Levels Applied (kg/ha)			Bag Coverage per m²	Recommended Period of Use													
Nitrogen			Total P	Total K	MgO			Fe	N	P		K	25kg Bag	J	F	M	A	M	J	J	A	S	O	N	D
	N-Urea	N-MU₂																							
	3.5				3.3	3	25	30 35	24.0 28.0	0.0 0.0	0.0 0.0	833 714													
				8	3.3	4	25	30 35	12.0 14.0	0.0 0.0	24.0 28.0	833 714													
	5.4		5	5		8	25	30 35	33.0 38.5	15.0 17.5	15.0 17.5	833 714													
	8.9		5	10	2		25	30 35	42.0 49.0	15.0 17.5	30.0 35.0	833 714													
	2.2	4		10	3		25	30 35	42.0 49.0	0.0 0.0	30.0 35.0	833 714													
	7.9			12	3	2	25	30 35	36.0 42.0	0.0 0.0	36.0 42.0	833 714													
	4.2			14		4	25	30 35	21.0 24.5	0.0 0.0	42.0 49.0	833 714													
	1.7		5	10		6	25	30 35	18.0 21.0	15.0 17.5	30.0 35.0	833 714													
	0.2	4.0	5	11	3	0.5	25	30 35	18.0 21.0	15.0 17.5	33.0 38.5	833 714													
					3	7	25	30 35	0.0 0.0	0.0 0.0	0.0 0.0	833 714													
	8					8.9	25	35	0.0	0.0	0.0	714													

Spreader Settings

Rate (g/m ²)	Rotary Spreader (AccuPro 2000, SR-2000, SR-1, R8-A)			
	Cone Setting	Spread Width	Single Pass @ Full Rate	Double Pass @ Half Rate
30	6	3.7m	M	J ½
35	6	3.7m	N	K
Rate (g/m ²)	Drop Spreader (SS-1, SS-2)			
	Spread Width	Single Pass @ Full Rate	Double Pass @ Half Rate	
30	0.91m	5 ¼	4	
35	0.91m	5 ½	4 ¼	

Nitrogen Content



For further information contact your
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STEP[®] Hi-Mag

Unique granular trace
element supplement

Contains all the micro nutrients required for healthy turf growth. Especially useful for preventing deficiencies in sand-based constructions.

STEP Hi-Mag Benefits

- Helps prevent nutrient deficiencies in sand-based constructions
- Contains a high proportion of magnesium to enhance turf health and colour
- Proven benefits against the development of Take-all Patch disease
- Extremely low rate of application required

Product Performance*

Granule dispersal: 4 - 5 days
Turf response: 7 days
Longevity: 6 weeks

*depending on environmental factors

Areas of Use

- ✓✓ Greens
- ✓✓ Tees
- ✓ Fairways
- ✓✓ Sportsfields



STEP Hi-Mag

Product Name	Product Notes	Nutrient Breakdown		
		MgO	Cu	
STEP Hi-Mag	Prevents trace element deficiencies and contains magnesium for turf health and colour.	19.8	0.50	





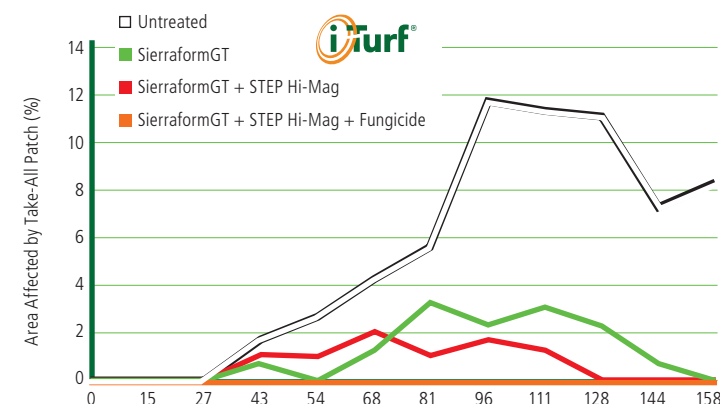
Nutrient Breakdown			Bag Sizes (kg)	Application Rate (g/m ²)	Nutrient Levels Applied (kg/ha)					Bag Coverage per m ²	Recommended Period of Use											
Fe	Mn	Zn			MgO	Cu	Fe	Mn	Zn		J	F	M	A	M	J	J	A	S	O	N	D
8.0	3.0	1.0	20	7 11	13.9 21.9	0.4 0.6	5.6 8.8	2.1 3.3	0.7 1.1	2,857 1,818												



Spreader Settings

Rate (g/m ²)	Rotary Spreader (AccuPro 2000, SR-2000, SR-1, R8-A)			
	Cone Setting	Spread Width	Single Pass @ Full Rate	Double Pass @ Half Rate
5	7	4.3m	H	G ½
10	7	4.3m	I ½	H
15	7	4.3m	K	I

Take-All Patch Trial



Trace Elements For Managing Disease More Effectively



STEP Hi-Mag is proven to reduce disease pressure in turf when used as part of an iTurf programme. Manganese plays an important role in managing Take-All Patch disease and, when used efficiently, helps to minimise its occurrence.

An STRI trial showed that by combining the high Manganese contained in STEP Hi-Mag with a slow release SierraformGT programme, Take-All Patch level is maintained at an acceptable level of under 2% cover.

For further information contact your
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or visit www.everris.co.uk | www.everris.ie

Sierrablen[®] Plus

Premium technology controlled release mini-prill fertilizers

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

SierrablenPlus Benefits

- The mini-granular formulation allows even coverage at low rates
- 3+ month, 3 - 4 month and 5+ month longevities available
- Extremely cost-effective at low application rates

Product Performance*

Granule dispersal: 7 days (visually dispersed from surface)
Turf response: 7 days
Longevity: 3+ months, 3 - 4 months and 5+ months

*depending on environmental factors

**Turf
REWARDS**
PRODUCT
see pages 4-5

Areas of Use

- ✓✓ Tees
- ✓✓ Fairways
- ✓✓ Sportsfields



The Complete SierrablenPlus Range

Product Name Oxide Analysis (Elemental Analysis)	Technology/Longevity	Product Notes
38-0-0 (3+ Months) (38-0-0)	 	Controlled release nitrogen matches plant requirements to give continuous growth for over 3 months.
Spring Starter (3+ Months) 24-5-13 (24-2.2-10.8)	   	Encourages healthy balanced growth at the start of the season.
Active (3+ Months) 19-5-18 +2MgO +TE (19-2.2-14.9 +1.2Mg)	 	Full trace element package to enhance turf health plus magnesium to improve turf colour.
Stress Control (3+ Months) 15-0-28 +2MgO (15-0-23.2 +1.2Mg)	 	High potassium content strengthens cell walls and aids water regulation in plant.
0-0-39 (3 - 4 Months) (0-0-32.4)	  	Ideal controlled release potassium fertilizer for hardening turf coming into winter.
Spring Starter (5+ Months) 24-5-8 +2MgO (24-2.2-6.6 +1.2Mg)	   	Spring Starter fertilizer with nutrients delivered for over 5 months to encourage healthy balanced turf growth.
Active (5+ Months) 18-5-18 +2MgO (18-2.2-14.9 +1.2Mg)	   	Balanced NK fertilizer with phosphorus for use from spring to autumn. Magnesium content helps to improve turf colour.
Stress Control (5+ Months) 15-5-22 +2MgO (15-2.2-18.3 +1.2Mg)	   	Classic turf hardener formulation, ideal for year-round use.

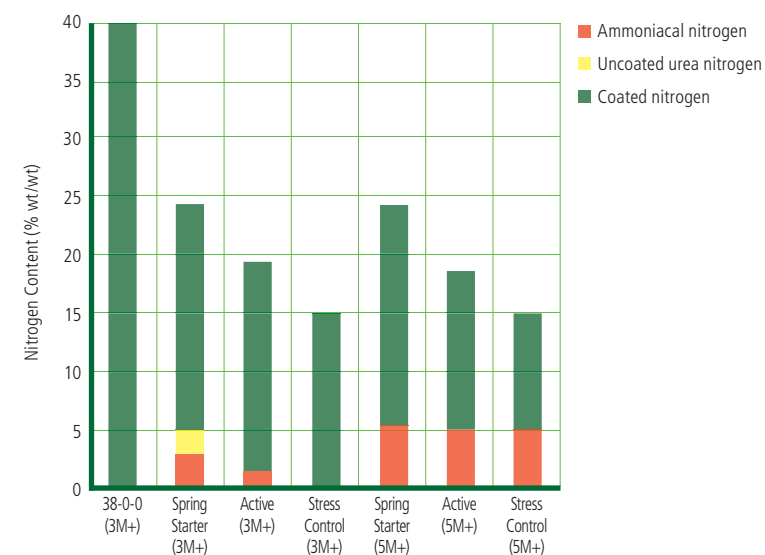


	Nutrient Breakdown							Bag Sizes (kg)	Application Rate (g/m²)	Nutrient Levels Applied (kg/ha)			Bag Coverage per m²	Recommended Period of Use																
	Nitrogen				Total P (% Coated)	Total K (% Coated)	MgO			N	P	K		25kg Bag	J	F	M	A	M	J	J	A	S	O	N	D				
	Total N (% Coated)	N-NO ₃	N-NH ₄	N-Urea																										
	38 (100%)			38				20	15 20	57.0 76.0	0.0 0.0	0.0 0.0	1,333 1,000																	
	24 (79%)	2	3	19	5	13 (27%)		25	25 30 35	60.0 72.0 84.0	12.5 15.0 17.5	32.5 39.0 45.5	1,000 833 714																	
	19 (95%)		1	18	5	18	2	25	25 30 35	47.5 57.0 66.5	12.5 15.0 17.5	45.0 54.0 63.0	1,000 833 714																	
	15 (100%)			15		28	2	25	25 30 35	37.5 45.0 52.5	0.0 0.0 0.0	70.0 84.0 98.0	1,000 833 714																	
						39 (100%)		25	20 25 30	0.0 0.0 0.0	0.0 0.0 0.0	78.0 97.5 117.0	1,250 1,000 833																	
	24 (80%)	6	7	11	5 (45%)	8 (65%)	2	25	30 35 40 45	72.0 84.0 96.0 108.0	15.0 17.5 20.0 22.5	24.0 28.0 32.0 36.0	833 714 625 556																	
	18 (74%)	4	5	9	5 (35%)	18 (17%)	2	25	30 35 40 45	54.0 63.0 72.0 81.0	15.0 17.5 20.0 22.5	54.0 63.0 72.0 81.0	833 714 625 556																	
	15 (69%)	3.5	4.5	7	5 (35%)	22 (12%)	2	25	30 35 40 45	45.0 52.5 60.0 67.5	15.0 17.5 20.0 22.5	66.0 77.0 88.0 99.0	833 714 625 556																	

Spreader Settings

Rate (g/m ²)	Rotary Spreader (AccuPro 2000, SR-2000, SR-1, R8-A)			
	Cone Setting	Spread Width	Single Pass @ Full Rate	Double Pass @ Half Rate
25	4	4.8m	O	L
30	4	4.8m	P	M
35	4	4.8m	R	M ½
40	4	4.8m	S	N
45	4	4.8m	T	N ½

Nitrogen Content in SierrablenPlus



For further information contact your
Everris Technical Area Sales Manager
or visit www.everris.co.uk | www.everris.ie

Sierrablen®

Premium quality controlled release fertilizers for use on tees and outfields

Contains Poly-S and resin-coated controlled release fertilizer 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 Performance*

Granule dispersal: 10 days (visually dispersed from surface)
Turf response: 10 days
Longevity: 4 - 5, 5 - 6 and 8 - 9 months

*depending on environmental factors

Turf
REWARDS












PRODUCT
see pages 4-5

Areas of Use

- ✓ Tees
- ✓✓ Fairways
- ✓✓ Sportsfields
- ✓✓ Greens
- Surrounds
- ✓✓ Wear Areas



The Complete Sierrablen Range

Product Name Oxide Analysis (Elemental Analysis)	Technology/Longevity	Product Notes
38-0-0 (38-0-0)	 	Controlled release nitrogen matches plant requirements to give continuous growth over 4 - 5 months.
28-5-5 +Fe (28-2.2-4.1 +Fe)	  	Contains controlled release NPK with readily available nitrogen for response at low temperatures.
15-0-22 +Fe (15-0-18.3 +Fe)	  	Ideal controlled release fertilizer for application during the second half of the growing season.
27-5-5 +Fe (27-2.2-4.1 +Fe)	  	A one application per season, NPK fertilizer.





	Nutrient Breakdown							Bag Sizes (kg)	Application Rate (g/m²)	Nutrient Levels Applied (kg/ha)			Bag Coverage per m²	Recommended Period of Use													
	Nitrogen					Total P (% Coated)	Total K (% Coated)			Fe	N	P		K	25kg Bag	J	F	M	A	M	J	J	A	S	O	N	D
	Total N (% Coated)	N-NO ₃	N-NH ₄	N-Urea	N-MU ₂																						
	38 (100%)			38					20	30 35 40 45	114.0 133.0 152.0 171.0	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	833 714 625 556													
	28 (98%)	3.9	4.9	19.2		5 (55%)	5 (100%)	0.5	25	35 45 55	98.0 126.0 154.0	17.5 22.5 27.5	17.5 22.5 27.5	714 556 455													
	15 (97%)	4.2	4.7	6.1			22 (80%)	1	25	35 45 55	52.5 67.0 82.5	0.0 0.0 0.0	77.0 99.0 121.0	714 556 455													
	27 (98%)	4	5	18		5 (55%)	5 (100%)	0.5	25	40 50 60	108.0 135.0 162.0	20.0 25.0 30.0	20.0 25.0 30.0	625 500 417													

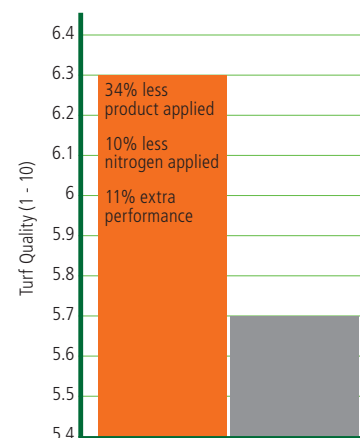


Spreader Settings

Rate (g/m ²)	Rotary Spreader (AccuPro 2000, SR-2000, SR-1, R8-A)			
	Cone Setting	Spread Width	Single Pass @ Full Rate	Double Pass @ Half Rate
30	4	4.7m	R ½	N
35	4	4.7m	T ½	O
40	4	4.7m	V	O ½
45	4	4.7m	X	P
50	4	4.7m	n/a	Q
55	4	4.7m	n/a	R
60	4	4.7m	n/a	R ½

Turf Quality, 5 Months After Application

- Sierrablen 38-0-0, 86kg N/ha
- Competitor 28-0-0, 96kg N/ha



Not all controlled release fertilizers are the same! The quality of the coating used and the percentage of nutrients that are coated all affect a fertilizer's reliability and performance. An STRI trial showed that Sierrablen 38-0-0 with 4 - 5 month longevity delivered superior turf quality with less nitrogen and at a lower application rate than a competitor 28-0-0, 5 months longevity product.

For further information contact your
 Everris Technical Area Sales Manager
 or visit www.everris.co.uk | www.everris.ie

ProTurf®

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

A range of high-quality, blended fertilizers with controlled release technology. They are formulated to give a strong immediate response, combined with 2 - 3 month 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, MgO and CaO)

Product Performance*

Granule dispersal: 8 days (visually dispersed from surface)
Turf response: 7 days
Longevity: 2 - 3 months

*depending on environmental factors

Turf
REWARDS



PRODUCT
see pages 4-5

Areas of Use

- ✓✓ Tees
- ✓✓ Fairways
- ✓✓ Sportsfields
- ✓✓ Amenity



The Complete ProTurf Range

Product Name Oxide Analysis (Elemental Analysis)	Technology/ Longevity	Product Notes
20-0-7 +3CaO +3MgO (20-0-5.8 +2.1CaO +1.8MgO)	 2-3	Strong initial boost coupled with longevity. Ideal for in-season applications.
12-5-20 +2CaO +2MgO (12-2.2-16.6 +1.4CaO +1.2MgO)	 2-3	Designed to sustain, strengthen and harden turf through the autumn and winter.



ICL Group Boulby Mine (Cleveland, UK), source of multi-nutrient compound



	Nutrient Breakdown								Bag Sizes (kg)	Application Rate (g/m²)	Nutrient Levels Applied (kg/ha)			Bag Coverage per m²	Recommended Period of Use														
	Nitrogen				Total P	Total K	CaO	MgO			N	P	K		25kg Bag	J	F	M	A	M	J	J	A	S	O	N	D		
	Total N (% Coated)	N-NO ₃	N-NH ₄	N-Urea																									
	20 (25%)			20		7	3	3	25 500	20 25 30 35	40.0 50.0 60.0 70.0	0.0 0.0 0.0 0.0	14.0 17.5 21.0 24.5	1,250 1,000 833 714															
	12 (25%)		1.3	10.7	5	20	2	2	25	20 25 30 35	24.0 30.0 36.0 42.0	10.0 12.5 15.0 17.5	40.0 50.0 60.0 70.0	1,250 1,000 833 714															



Spreader Settings

Rate (g/m ²)	Rotary Spreader (SR-2000 or AccuPro 2000)			
	Cone Setting	Spread Width	Single Pass @ Full Rate	Double Pass @ Half Rate
20	6	5.0m	N ½	K ½
25	6	5.0m	O ½	L
30	6	5.0m	P	M
35	6	5.0m	Q ½	N

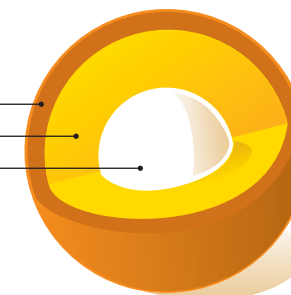
Poly-S

Poly-S is a controlled release nitrogen source that delivers nutrients gradually over the required longevity. Nutrient release is primed by moisture permeating through the outer polymer channels, through micro-channels in the sulphur layer and into the nutrient core where the urea is solubilised.

Once the urea is solubilised, it then travels back through the same pathways where it is released and made available for plant uptake.

Poly-S technology:

Outer polymer coating —
 Inner sulphur coating —
 Urea nutrient core —



For further information contact your
 Everris Technical Area Sales Manager
 or visit www.everris.co.uk | www.everris.ie

Sportsmaster®

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

The industry-standard fertilizer 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
- Organic option available

Product Performance*

Granule dispersal: 4 - 5 days
Turf response: 7 days
Longevity: 6 weeks

*depending on environmental factors

Areas of Use

- ✓✓ Tees
- ✓✓ Fairways
- ✓✓ Sportsfields
- ✓ Amenity



The Complete Sportsmaster Range

Product Name Oxide Analysis (Elemental Analysis)	Product Notes	
Fairway 12-6-9 +3MgO (12-2.6-7.5 +1.8Mg)	Ideal for use during spring and summer periods when grass is growing strongly.	
NK 12-0-9 +Fe (12-0-7.5 +Fe)	The NK analysis is ideal for spring and summer periods.	
Spring & Summer 9-7-7 (9-3.1-5.8)	All-rounder that breaks down quickly to give rapid uptake of nutrients.	
Renovator Pro 10-2-4 +Fe +Herbicide (10-0.9-3.3 +Fe +Herb) MAPP No 12204 / PCS No 02512	Weed, feed and mosskiller maintains growth and contains a selective herbicide for weed control plus iron for moss control.	
Cleanrun Pro 10-2-4 +Herbicide (10-0.9-3.3 +Fe) MAPP No 12083 / PCS No 92260	Weed and feed single application in spring or summer periods when broad-leaved weeds are present.	
Autumn 4-12-12 (4-5.2-10.0)	Ideally used to strengthen turf in autumn or when turf needs pre-stress conditioning.	
Pre-Seeder 8-12-8 +3MgO (8-5.2-6.6 +1.8Mg)	High phosphorus analysis to enhance seed establishment and to improve rooting.	
Sportsmaster Organic High N 13-5-10 (13-2.2-8.3)	High nitrogen levels allow for correct top growth and recovery during periods of heavy use.	

6
Weeks



Fertilizers

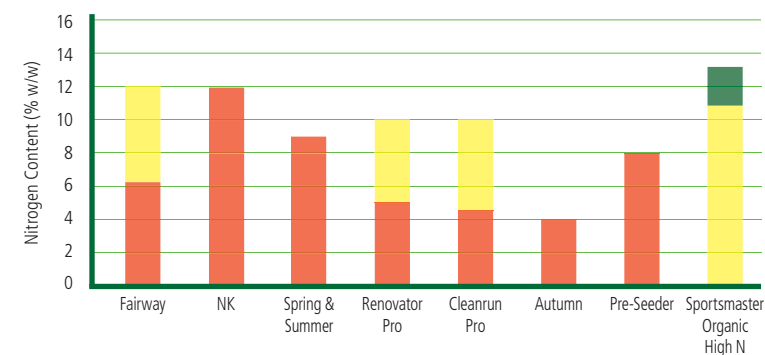
	Nutrient Breakdown								Bag Sizes (kg)	Application Rate (g/m²)	Nutrient Levels Applied (kg/ha)			Bag Coverage per m²	Recommended Period of Use															
	Nitrogen			Total P	Total K	MgO	Fe	N			P	K	25kg Bag		J	F	M	A	M	J	J	A	S	O	N	D				
	Total N	N-NH₄	N-Urea																								Organic			
	12	6.2	5.8		6	9	3		25	35 40 45 50	42.0 48.0 54.0 60.0	21.0 24.0 27.0 30.0	31.5 36.0 40.5 500	714 625 556 500																
	12	12				9		1	25	35 40 45 50	42.0 48.0 54.0 60.0	0.0 0.0 0.0 0.0	31.5 36.0 40.5 45.0	714 625 556 500																
	9	9			7	7			25	35 50 60 70	31.5 45.0 54.0 63.0	24.5 35.0 42.0 49.0	24.5 35.0 42.0 49.0	714 500 417 357																
	10	5	5		2	4		6	25	35	35.0	7.0	14.0	714																
	10	4.4	5.6		2	4			25	35	35.0	7.0	14.0	714																
	4	4			12	12			25	35 50 60 70	14.0 20.0 24.0 28.0	42.0 60.0 72.0 84.0	42.0 60.0 72.0 84.0	714 500 417 357																
	8	8			12	8	3		25	30 45 50	24.0 36.0 40.0	36.0 54.0 60.0	24.0 36.0 40.0	833 556 500																
	13		11	2	5	10			25	35 40 45	45.5 52.0 58.5	17.5 20.0 22.5	35.0 40.0 45.0	714 625 556																

Spreader Settings

Rate (g/m ²)	Rotary Spreader (AccuPro 2000, SR-2000, SR-1, R8-A)				Drop Spreader (SS-1, SS-2)		
	Cone Setting	Spread Width	Single Pass @ Full Rate	Double Pass @ Half Rate	Spread Width	Single Pass @ Full Rate	Double Pass @ Half Rate
Sportsmaster							
35	4	3.7m	P ½	L ½	0.91m	6	4 ½
40	4	3.7m	Q	M	0.91m	6 ¼	4 ¾
45	4	3.7m	R	M ½	0.91m	6 ¾	5
Sportsmaster Organic							
35	3	5.5m	V	P	0.91m	9	5 ½
40	3	5.5m	X	Q	0.91m	10	6
45	3	5.5m	n/a	R	0.91m	11	6 ½

Nitrogen Content

- Ammoniacal nitrogen
- Urea nitrogen
- Organic nitrogen



For further information contact your
Everris Technical Area Sales Manager
or visit www.everris.co.uk | www.everris.ie

Sportsmaster® CRF Mini

An advanced, controlled release
fertilizer that lasts 2 - 3 months

Combines Poly-S and conventional fertilizer technologies to provide consistent release patterns over 2 - 3 months. The mini-granular formulation allows even coverage at low application rates.

Sportsmaster CRF Mini Benefits

- Regular, consistent growth
- Mini-granule boosts plant density
- Fast and even green turf colour
- Even more cost-effective at lower application rates



Product Performance*

Granule dispersal: 6 days (visually dispersed from surface)
Turf response: 7 days
Longevity: 2 - 3 months

*depending on environmental factors

Turf
REWARDS

PRODUCT
see pages 4-5

Areas of Use

- ✓✓ Tees
- ✓✓ Fairways
- ✓✓ Sportsfields
- ✓✓ Amenity



The Complete Sportsmaster CRF Mini Range

Product Name Oxide Analysis (Elemental Analysis)	Technology/Longevity	Product Notes	
High N 24-5-11 (24-2.2-9.1)	2-3	Ideal first controlled release fertilizer application of the season. Quick reaction in cooler conditions.	
Permanent 17-7-16 +2MgO +Fe (17-3.1-13.3 +1.2Mg +Fe)	2-3	Ideal for use anytime between spring and autumn. Contains magnesium and iron which improve turf health, colour, and help alleviate symptoms of stress.	
Start 19-19-5 +2MgO +TE (19-8.3-4.1 +1.2Mg +TE)	2-3	Ideal for use when over-seeding or laying down new turf.	
High K 13-5-20 +2MgO +Fe (13-2.2-16.6 +1.2Mg +Fe)	2-3	Ideal for pre-stress conditioning.	





	Nutrient Breakdown							Bag Sizes (kg)	Application Rate (g/m²)	Nutrient Levels Applied (kg/ha)			Bag Coverage per m²	Recommended Period of Use													
	Total N (% Coated)	Nitrogen		Total P	Total K	MgO	Fe			N	P	K		25kg Bag	J	F	M	A	M	J	J	A	S	O	N	D	
		N-NH₄	N-Urea																								
	24 (37%)	2.5	21.5	5	11			25	20 25 30 35	48.0 60.0 72.0 84.0	10.0 12.5 15.0 17.5	22.0 27.5 33.0 38.5	714 - 1,250														
	17 (41%)	1.2	15.8	7	16			25	20 25 30 35	34.0 42.5 51.0 59.5	14.0 17.5 21.0 24.5	32.0 40.0 48.0 56.0	714 - 1,250														
	19 (48%)	3.5	15.5	19	5	2	0.5	25	20 25 30 35	38.0 47.5 57.0 66.5	38.0 47.5 57.0 66.5	10.0 12.5 15.0 17.5	714 - 1,250														
	13 (41%)	0.4	12.6	5	20	2	0.5	25	20 25 30 35	26.0 32.5 39.0 45.5	10.0 12.5 15.0 17.5	40.0 50.0 60.0 70.0	714 - 1,250														

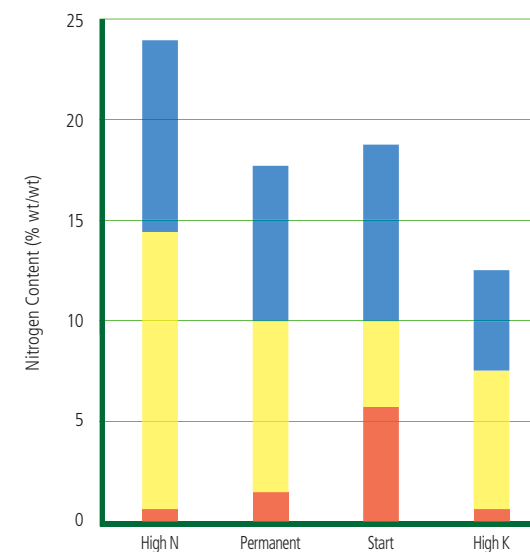


Spreader Settings

Rate (g/m ²)	Rotary Spreader (AccuPro 2000, SR-2000, SR-1, R8-A)			
	Cone Setting	Spread Width	Single Pass @ Full Rate	Double Pass @ Half Rate
20	4	4.8m	N	K ½
25	4	4.8m	O	L
30	4	4.8m	P	M
35	4	4.8m	R	M ½

Nitrogen Content in Sportsmaster CRF Mini

- Uncoated ammoniacal nitrogen
- Uncoated urea nitrogen
- Coated nitrogen



For further information contact your
Everris Technical Area Sales Manager
or visit www.everris.co.uk | www.everris.ie

Greenmaster[®] Liquid

Liquid fertilizers with foliar and root uptake

The TMax formulation allows quick foliar uptake and nutrient movement through the plant.

Greenmaster Liquid Benefits

- Foliar feeding is available at lower water rates
- Compatible with SeaMax, Vitalnova Blade bio-stimulant, H₂Pro wetting agents, Primo Maxx and many more Everris products
- Up to 6 weeks longevity

Product Performance*

Turf response: < 24 hours
Longevity: 2 - 6 weeks (depending on rate)

*depending on environmental factors

Turf
REWARDS








PRODUCT
see pages 4-5

Areas of Use

- ✓✓ Greens
- ✓✓ Tees
- ✓✓ Fairways
- ✓✓ Sportsfields
- ✓ Amenity



The Complete Greenmaster Liquid Range

Product Name Oxide Analysis (Elemental Analysis)	Technology/ Longevity	Product Notes	Nutrient Breakdown					
			Nitrogen				Total P	Total K
			Total N	N- NO ₃	N- NH ₄	N- Urea		
High N 25-0-0 +2MgO + TE (25-0-0 +1.2Mg + TE)		Mixed nitrogen sources to optimise plant uptake. Magnesium and trace elements to enhance turf health.	25	7.3	5.9	11.8		
Spring & Summer 12-4-6 +TE (12-1.7-5 +TE)		Complete NPK formula for main season feeding without excess growth.	12	0.8		11.2	4	6
NK 10-0-10 +TE (10-0-8.3 +TE)		The NK ratio balances growth and toughens the sward. Trace elements enhance turf health.	10	0.7	0.7	8.6		10
High K 3-3-10 +TE (3-1.3-8.3 +TE)		Designed to apply prior to stressful periods. Trace elements enhance turf health.	3	0.3	0.3	2.4	3	10
Ca-Booster 8-0-0 +9CaO (8-0-0 +6.4Ca)		Strengthens plant cell walls to toughen turf during stressful conditions.	8	7	1			
Effect Iron Fe 6.9Fe (6.9Fe)		For use throughout the growing season. Gives green-up within 3 hours.						
STEP Liquid Chelated Trace Elements		Contains chelated trace elements to maximise nutrient delivery and to prevent soil lock-up.						



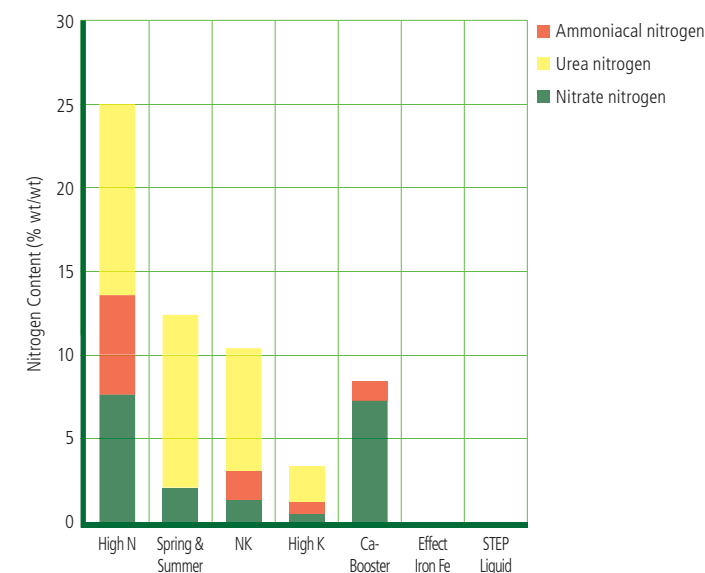
Nutrient Breakdown								Specific Gravity (kg/L)	Pack Sizes (L)	Application Rate (L/ha)	Water Volume (L/ha)	Nutrient Levels Applied (kg/ha)			Pack Coverage (m ² per 10L pack)	Recommended Period of Use											
CaO	MgO	B	Cu	Fe	Mn	Mo	Zn					N	P	K		J	F	M	A	M	J	J	A	S	O	N	D
	2	0.01	0.004		0.01	0.001	0.004	1.31	10	40	400 - 600 (Foliar)	13.1	0.0	0.0	2,500												
									200	80	600 - 1,000 (Root)	26.2	0.0	0.0	1,250												
										100		32.8	0.0	0.0	1,000												
										120		39.3	0.0	0.0	833												
										40	400 - 600 (Foliar)	5.7	1.9	2.8	2,500												
										80		11.3	3.8	5.7	1,250												
										100		14.2	4.7	7.1	1,000												
										120		17.0	5.7	8.5	833												
										40	400 - 600 (Foliar)	4.9	0.0	4.9	2,500												
										80		9.8	0.0	9.8	1,250												
										100		12.3	0.0	12.3	1,000												
										120		14.8	0.0	14.8	833												
										40	400 - 600 (Foliar)	1.4	1.4	4.7	2,500												
										80		2.8	2.8	9.4	1,250												
										100		3.5	3.5	11.8	1,000												
										120		4.2	4.2	14.2	833												
9		0.01	0.004		0.01	0.001	0.004	1.32	10	20	400 - 600 (Foliar)	2.1	0.0	0.0	5,000												
										40		4.2	0.0	0.0	2,500												
										60	600 - 1,000 (Root)	6.3	0.0	0.0	1,667												
										10		0.0	0.0	0.0	10,000												
										20	400 - 600 (Foliar)	0.0	0.0	0.0	5,000												
										30	600 - 1,000 (Root)	0.0	0.0	0.0	3,333												
										20	400 - 600 (Foliar)	0.0	0.0	0.0	5,000												
										40		0.0	0.0	0.0	2,500												
										60	600 - 1,000 (Root)	0.0	0.0	0.0	1,667												

Sprayer Information

Spray Quality	Retention on Leaf Surface	Potential Drift Hazard*	Foliar Applications	Root Applications
Very Fine	Good	High	✓✓	✗
Fine	Good		✓	✗
Medium	Good		✓	✓
Coarse	Moderate		✓	✓
Very Coarse	Poor	Very Low	✗	✓✓

*Spray drift can be minimised by using Turf Mark Extra.

Nitrogen Content in Greenmaster Liquid



For further information contact your
Everris Technical Area Sales Manager
or visit www.everris.co.uk | www.everris.ie

Sportsmaster® WSF

High performance ultra soluble fertilizers for treatment of large turf areas

Contains TMax to enhance foliar and root uptake.
The WSF range provides excellent value when treating
large areas such as golf fairways and sportsfields.

Sportsmaster WSF Benefits

- Cost-effective fertilizer treatment for large areas of turf
- TMax enhances nutrient uptake
- Low scorch risk
- Extremely pure and soluble
- Tank-mix compatible with Primo Maxx

Product Performance*

Granule dispersal: Immediate
Turf response: < 24 hours
Longevity: 2 - 4 weeks (depending on rate)

*depending on environmental factors

Turf
REWARDS




PRODUCT
see pages 4-5

Areas of Use

- ✓✓ Greens
- ✓✓ Tees
- ✓✓ Fairways
- ✓✓ Sportsfields
- ✓✓ Amenity



The Complete Sportsmaster WSF Range

Product Name Oxide Analysis (Elemental Analysis)	Technology	Product Notes
High N 35-0-14 +0.13Fe (35-0-11.6 +0.13Fe)		Nitrogen boost with potassium content provides balanced growth and stronger turf.
High K 15-0-43 +0.13Fe (15-0-35.7 +Fe)		The low nitrogen to high potassium ratio ensures maximum turf hardening and stress conditioning.
Sportsmaster WSF IRON 20%Fe		Produces a dark green sward and promotes disease tolerance.





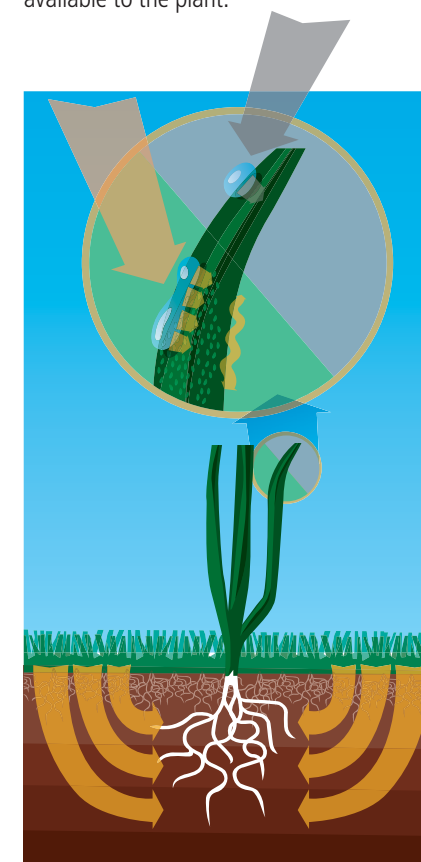
	Nutrient Breakdown						Bag Sizes (kg)	Application Rate (kg/ha)	Water Volume (L/ha)	Nutrient Levels Applied (kg/ha)			Bag Coverage per m²	<div><div></div> Recommended Period of Use</div>												
	Nitrogen				Total P	Total K				N	P	K		15kg Bag	J	F	M	A	M	J	J	A	S	O	N	D
	Total N	N-NO ₃	N-NH ₄	N-Urea																						
	35	4.3		30.7		14	15	15 30	300 - 600 (Foliar)	5.3 10.5	0.0 0.0	2.1 4.2	10,000 5,000													
								45 60	600 - 1,000 (Root)	15.8 21.0	0.0 0.0	6.3 8.4	3,333 2,500													
	15			2.3		43	15	15 30	300 - 600 (Foliar)	2.3 4.5	0.0 0.0	6.5 12.9	10,000 5,000													
								45 60	600 - 1,000 (Root)	6.8 9.0	0.0 0.0	19.4 25.8	3,333 2,500													
							15	10 15 20	900 (Foliar & Root)				15,000 10,000 7,500													



TMax Fertilizers: How they work

TMax ensures that the liquid application spreads out and sticks to the leaves to maximise the leaf area for nutrient uptake. Once in the leaf, nutrients can move more easily throughout the plant. Without TMax, liquid fertilizer droplets do not spread out and are more susceptible to run-off.

TMax enables nutrients to move through the soil profile to the sites of root nutrient uptake. Whilst in the soil, TMax makes previously locked-up nutrients available to the plant.



For further information contact your
Everris Technical Area Sales Manager
or visit www.everris.co.uk | www.everris.ie

SeaMax

Soluble seaweed concentrate
with proven benefits

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

SeaMax Benefits

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



Product Characteristics


- Must be mixed correctly
- Recommend repeated applications at an interval of 3 - 4 weeks

Areas of Use

- ✓✓ Greens
- ✓✓ Tees
- ✓✓ Fairways
- ✓✓ Sportsfields



NEW to the Sportsmaster WSF Range

Product Name Oxide Analysis (Elemental Analysis)	Technology/ Longevity	Product Notes	Nutrient Breakdown				
			Nitrogen			Total P	Total K
			Total N	N- NH ₄	N- MU ₂		
SeaMax 4-0-15 +TE (4-0-12.5 +TE)		Premium high density Atlantic <i>Ascophyllum nodosum</i> seaweed extract with proven plant benefits.	4	4	11.8		





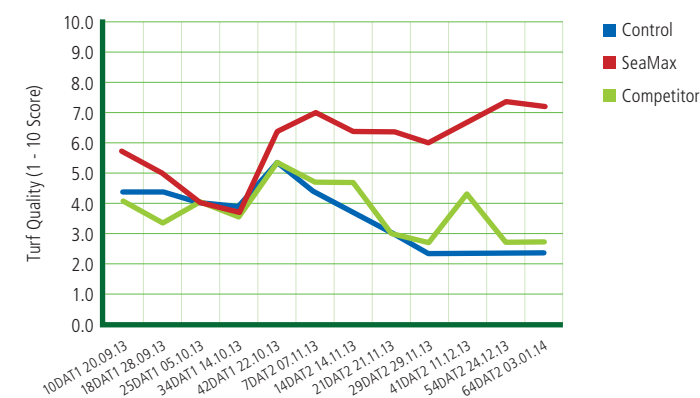
Nutrient Breakdown							Bag Sizes (kg)	Application Rate (kg/ha)	Water Volume (L/ha)	Nutrient Levels Applied (kg/ha)			Bag Coverage (m ² per 1kg bag)	Recommended Period of Use											
CaO	MgO	B	Cu	Fe	Mn	Zn				N	P	K		J	F	M	A	M	J	J	A	S	O	N	D
0.2 - 0.5	0.1 - 0.4	60 - 140 ppm	1 - 4 ppm	60 - 200 ppm	4 - 15 ppm	20 - 40 ppm	1	1	600 - 1,000	0.4		1.5	10000												



Independent Trial

Significant improvements in turf quality and turf colour occurred after only two treatments compared to another industry standard as well as an untreated control.

Results – Turf Quality



Tank-Mixing

1. Three quarter fill your spray tank with water
2. Turn on agitation
3. Add appropriate tank-mix partner (see compatibility table on pages 112 - 113)
4. Gradually sprinkle required quantity of SeaMax directly into spray tank to allow solubilisation
5. Fill spray tank to required volume with agitation
6. Spray

For further information contact your
Everris Technical Area Sales Manager
or visit www.everris.co.uk | www.everris.ie

Vitalnova[®] Blade

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

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

Vitalnova Blade Benefits

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

Product Performance*

Turf response: < 24 hours
Longevity: 2 - 6 weeks (depending on rate)

*depending on environmental factors

Turf
REWARDS

PRODUCT
see pages 4-5

Areas of Use

- ✓✓ Greens
- ✓✓ Tees
- ✓✓ Fairways
- ✓✓ Sportsfields
- ✓ Amenity



Vitalnova Blade

Product Name Oxide Analysis (Elemental Analysis)	Product Notes
Vitalnova Blade 5-6.5-3.5 +Carbohydrates +Seaweed +TE (5-2.8-2.9 +Carbohydrates +Seaweed +TE)	Tank-mix with Greenmaster Liquid or Sportsmaster WSF to stimulate soil activity as well as promoting turf health.





Fertilizers

Nutrient Breakdown			Application Rate (L/ha)	Pack Sizes (litre)	Recommended Period of Use											
Total N	Total P	Total K			J	F	M	A	M	J	J	A	S	O	N	D
5	6.5	3.5	20 - 50	10 200												

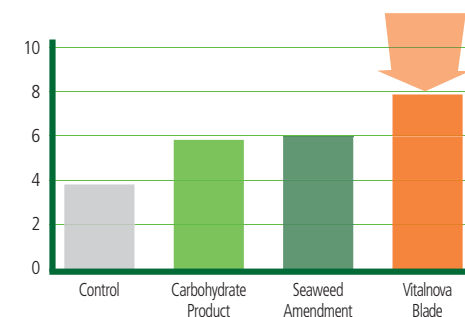


Tank-Mix Table (see pages 112 - 113 for full Tank-Mix Table)

Greenmaster Liquid							Sportsmaster WSF			
High N	Spring & Summer	NK	High K	STEP Liquid	Effect Iron Fe	Ca-Booster	High N	High P	High K	Sierrasol Iron
✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓

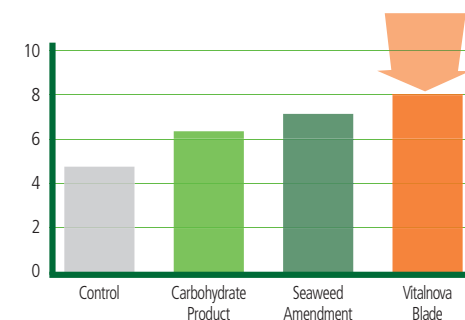
Wetting Agents			PGR	Herbicides				Fungicides				
H ₂ Pro Conserve	H ₂ Pro Maximise	Qualibra	Primo Maxx	Re-Act Ultra	Praxys	Jewel	Rescue	Heritage Maxx	Medallion TL	Banner Maxx	Headway	Instrata
✓	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓

% Mycorrhiza



Vitalnova Blade demonstrated up to twofold increase in indigenous mycorrhiza levels.

Root Biomass g/dw



Vitalnova Blade demonstrated up to 40% increase in root mass.

For further information contact your
Everris Technical Area Sales Manager
or visit www.everris.co.uk | www.everris.ie



Wetting Agents

Water is a precious resource that is essential for premium quality turf

Our unique and flexible range of wetting agents are designed to optimise water management and to help prevent Dry Patch.

In liquid, granular and tablet form, these wetting and water conservation products have been developed to fit into your existing water management strategy. Using patented technology, the range offers preventative and curative products suitable for wet and dry conditions, with the flexibility for application at any time of year.

A close-up photograph of green leaves with several large, clear water droplets resting on their surfaces. The background is a soft, out-of-focus green. A diagonal blue line runs from the top right towards the bottom left, separating the image from the text area.

Wetting Agents Contents

H ₂ Pro Conserve Liquid	page 36
H ₂ Pro Conserve Tablet	page 38
H ₂ Pro Conserve Granule	page 39
H ₂ Pro Maximise	page 40
Qualibra	page 42

H₂Pro[®]
Conserve Liquid

A high quality wetting and water conservation agent

H₂Pro Conserve Liquid uses multi-matrix surfactants for deep rootzone water management and dry patch control.

H₂Pro Conserve Liquid Benefits

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

Product Characteristics

Liquid
Pack size: 5 litres & 200 litres
Packs per outer: 4 x 5 litres
Pack coverage: 5 litres: 1,000 - 5,000m²

Application Rate

Monthly: 10 L/ha in 600 - 900 litres of water
Bi-monthly: 25 L/ha in 600 - 900 litres of water
Annual: 50 L/ha in 2,000 litres of water

Areas of Use

- ✓✓ Golf Greens
- ✓✓ Bowling Greens
- ✓✓ Tees
- ✓✓ Bunker Tops
- ✓✓ Green Surrounds
- ✓✓ Fairways
- ✓✓ Sports Pitches





Water Conservation

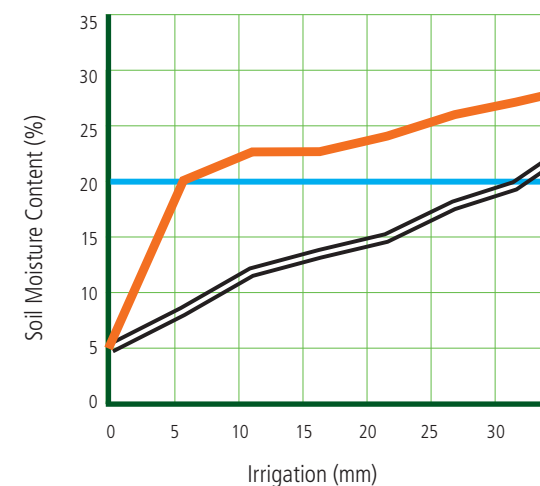
Independent trial work shows that the amount of irrigation required to achieve the optimum soil moisture content is radically reduced with the use of H₂Pro Conserve Liquid.

At a Glance Comparison

Natural soil: 31mm of irrigation required to reach optimum moisture content.

Natural soil with H₂Pro Conserve Liquid: only 7mm of irrigation required.

□ Untreated
 ■ H₂Pro Conserve 28 day interval
 ■ Optimum moisture content



Recommended Period of Use

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

For further information contact your
 Everris Technical Area Sales Manager
 or visit www.everris.co.uk | www.everris.ie



H₂Pro[®]
Conserve Tablet

Conserve Tablet is a hose-end applied wetting agent for effective hand watering

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

H₂Pro Conserve Tablet Benefits

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

Product Characteristics

Pack size: 6 x 250g tablets
Pack coverage: 6 x 500m²

Areas of Use

- ✓✓ Golf Greens
- ✓✓ Bowling Greens
- ✓✓ Tees
- ✓✓ Bunker Tops
- ✓✓ Green Surrounds
- ✓✓ Fairways
- ✓✓ Sports Pitches



H₂Pro Conserve Tablet

Applicator	Product	Spray Time (minutes)	Area Treated (m ²)
H ₂ Pro Pellet Pro Gun	1 x 250g Tablet	5 - 10	250 - 500

Recommended Period of Use

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

For further information contact your Everris Technical Area Sales Manager or visit www.everris.co.uk | www.everris.ie



H₂Pro[®]
Conserve Granule

A granular wetting agent, ideal for spot treatments and use on bowling greens

H₂Pro Conserve's granular formulation is easy to apply across wide or localised areas to improve water management and for the treatment of localised dry patch.

H₂Pro Conserve Granule Benefits

- Easy to apply by hand or spreader
- Unique curative and preventative action against Dry Patch/localised Dry Spot
- Can be used at any time during the growing season
- Wash in immediately to move wetting agent into the soil

Product Characteristics

Pack size: 10kg
Pack coverage: 500m²

Application Rate

20g/m²

Areas of Use

- ✓ Golf Greens
- ✓ Bowling Greens
- ✓ Tees
- ✓ Bunker Tops
- ✓ Green Surrounds
- ✓ Managed Turf



H₂Pro Conserve Granule

Spreader Type	Cone Setting	Spreader Width (m)	Application Setting (20g/m ²)	
			1x Pass	2x Pass
Rotary Spreader Accupro 2000	5	4.0	M	J
Drop Spreader SS-2	n/a	0.91	4 ¾	3 ¾
Classic Drop Spreader	n/a	0.55	6 ½	—

Recommended Period of Use

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

For further information contact your
Everris Technical Area Sales Manager
or visit www.everris.co.uk | www.everris.ie

H₂Pro[®]

Maximise

A penetrant wetting agent formulated to remove surface water

Specifically formulated to remove surface water, encourage deep rooting and flush excess salts through the soil profile.

H₂Pro Maximise Benefits

- Helps surface water penetrate quickly
- Flushes salts and carbonates from soil
- Maximises the effectiveness of irrigation treatments
- Helps maintain year-round playability
- For use at any time of the year

Objective	Application	Application Rate (L/ha)	Water Volume (L/ha)
Surface Water Removal	Monthly	40	250 - 500
Promote Deep Rooting	Monthly	40	250 - 500
Reduce Salt Levels	Monthly	40	250 - 500

Areas of Use

- ✓✓ Golf Greens
- ✓✓ Bowling Greens
- ✓✓ Tees
- ✓✓ Bunker Tops
- ✓✓ Green Surrounds
- ✓ Fairways
- ✓ Sports Pitches



Product Characteristics

Pack size: 10 litres (200 & 1,000 litres also available)
Packs per outer: 4 x 5 litres
Pack coverage: 2,500m²

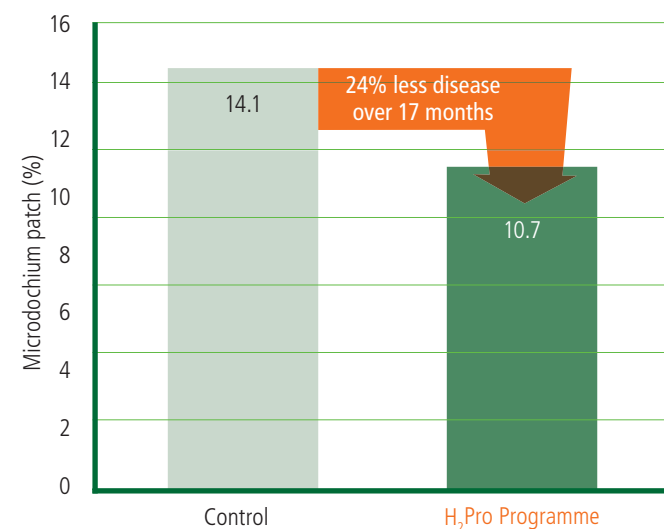




H₂Pro Programme For Disease Reduction

Disease Management

Soil moisture management can play a pivotal role in disease management. By drying out the soil surface but maintaining moisture in the rootzone for healthy plant growth, conditions are less conducive to disease and the plant is more resilient to environmental stresses, including disease attack.



Data presented as average Microdochium patch across trial plots from November 2007 – March 2009.



A trial at the STRI over a 17-month period showed that a H₂Pro Conserve/H₂Pro Maximise wetting agent programme reduced disease pressure by 24%.

Recommended Period of Use

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

For further information contact your
Everris Technical Area Sales Manager
or visit www.everris.co.uk | www.everris.ie



Qualibra is a premier wetting and water conservation agent

Qualibra combines a unique and dynamic penetrant with a powerful polymer to optimise water penetration and conservation within the rootzone.

Qualibra Benefits

- Optimises water penetration
- Prevents damaging Dry Patch
- Makes better use of irrigation resources

Product Characteristics

Pack size: 10 litres & 200 litres
Packs per outer: 10 litres
Pack coverage: 5,000m²

Application Rate

Maximum individual dose: 20 L/ha
Water volume: 500 - 1,000 L/ha

Areas of Use

- ✓✓ Golf Greens
- ✓✓ Bowling Greens
- ✓✓ Tees
- ✓✓ Bunker Tops
- ✓✓ Green Surrounds
- ✓✓ Fairways
- ✓✓ Sports Pitches

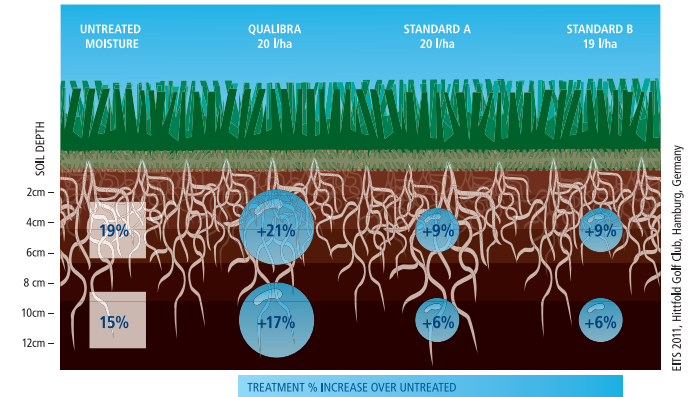
Turf
REWARDS

PRODUCT
see pages 4-5





Qualibra Moves and Retains Moisture Deeper



Directions For Use

1. Apply Qualibra at approximately monthly intervals in a preventative programme to prevent the development of localised Dry Spot and aid water management.
2. Typically applied from early spring to autumn, but can be applied throughout the year if required.

Recommended Period of Use

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

For further information contact your
Everris Technical Area Sales Manager
or visit www.everris.co.uk | www.everris.ie

Plant Protection & Control

When it comes to protecting turf and managing amenity areas, Everris' range of plant protection and control products provides the majority of the tools you'll need in your armoury

Powerful, fast-acting herbicides teamed with proven, effective solutions for turfgrass pests and the leading range of fungicides providing preventative, curative and eradicant action, all ensure you stay in control.



Plant Protection Contents

Primo Maxx	page 46
Instrata	page 48
Headway	page 50
Banner Maxx	page 52
Heritage Maxx	page 54
Medallion TL	page 56
Heritage	page 58
Nemasys	page 60
Praxys	page 62
Jewel	page 64
Rescue	page 66
Roundup ProBio	page 68
Roundup Pro Vantage	page 70
Monsanto Amenity Glyphosate	page 72
Hammer	page 73
Icade	page 74
Proshield	page 76
Ecoplug Max	page 78



The ultimate growth regulator for the improvement of turf performance

Primo Maxx Benefits

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

Turf
REWARDS
PRODUCT
see pages 4-5

Areas of Use

- ✓ Fine Turf
- ✓ Sports Pitches
- ✓ Outfields
- ✓ With Line Marking Paint



Product Characteristics

Pack size: 5 & 10 litre bottles
Packs per outer: 4 x 5 litre and 2 x 10 litre
Contains 121g/L trinexapac-ethyl
MAPP No. 14780 PCS No. 03879

Application Rate

Maximum individual dose: 3.2 L/ha
Water volume: 300 - 1,000 L/ha
Maximum total dose: 16 L/ha per year

Superior Rooting and Drought Resistance

Bent grass, drought stressed, USGA rootzone

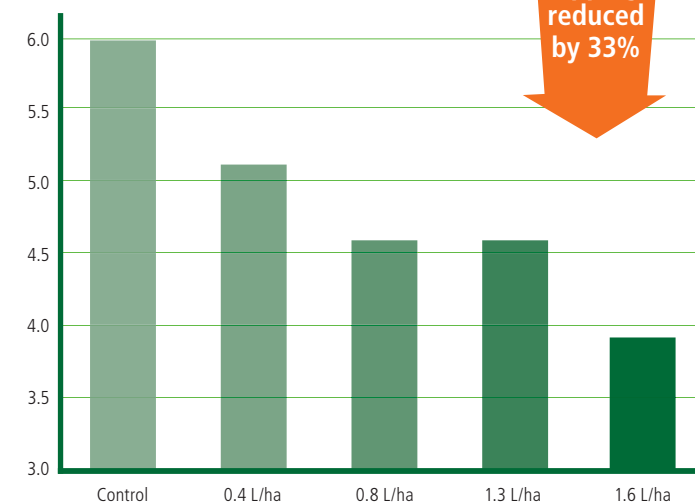


Primo Maxx



Control

Turfgrass Clippings (gDM/m²/day)



Source: Bioforsk, Lepaa, Finland. 2008.
All data mean of 10 observations. LSD 5% = 0.45



Directions For Use

1. To optimise best results, applications can start when consistent grass growth commences or when soil and air temperatures average 8 - 10°C or above for more than 5 days consecutively. For weather and temperature guidance go to www.greencast.co.uk.
2. Various application rates are recommended depending on intended area of use.
3. For best results apply with Liquid N (minimum 2.5kg N/ha).
4. Avoid applications during frosty or drought conditions.
5. Can be tank-mixed with H₂Pro Conserve and H₂Pro Maximise wetting agents, Greenmaster Liquids and Sportsmaster WSF water-soluble fertilizers. Advice should always be sought from your Everris Technical Area Sales Manager before any tank-mix is applied.
6. Mix with Turf Mark Extra spray pattern indicator to aid spraying, to condition water and to minimise spray drift.
7. FOR USE ONLY AS A HORTICULTURAL PLANT GROWTH REGULATOR.

Recommended Period of Use

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

Application Rate

Area of Use	Greens	Tees	Fairways and Amenity	Rough and Semi-rough	Winter Sports
First application	April*	April*	April	April	April
Application frequency	Every 2 - 4 weeks	Every 3 - 5 weeks	Every 4 - 6 weeks	Every 5 - 8 weeks	Every 4 - 6 weeks
Height of cut	< 7mm	10 - 18mm	<18mm	>18mm	>10mm
Dose rate	0.2 - 0.4 L/ha	0.8 - 1.6 L/ha	0.8 - 1.6 L/ha	Up to 2.4 L/ha	0.8 - 1.6 L/ha
Notes	Application window depends on growth	Tees containing perennial ryegrass will require increased frequency of application	Fairways mown at <12mm will require more frequent, lower rate applications	Dose rate and frequency will depend on species composition	Use lower rates and frequencies for turf mown below 18mm

*Apply when consistent grass growth commences or when soil and air temperatures average 8 - 10°C or above for more than five days consecutively.

For further information contact your
Everris Technical Area Sales Manager
or visit www.everris.co.uk | www.everris.ie



Unrivalled disease control from
this three-way formulation

Instrata Benefits

- Contact and systemic active ingredients for year-round use
- Protective, curative and eradicant action for effective control
- Quick-acting and long-lasting control

Product Characteristics

Pack size: 3 litre S-Pac bottle
Packs per outer: 4 x 3 litres
Pack coverage: 3,333m²
Contains 362g/L chlorothalonil,
56.9g/L propiconazole, 14.5g/L fludioxonil
MAPP No. 16458 PCS No. 05186

Application Rate

Maximum individual dose: 9 L/ha
Water volume: 500 - 1,000 L/ha
Maximum number of treatments: 1 per year per area

Areas of Use

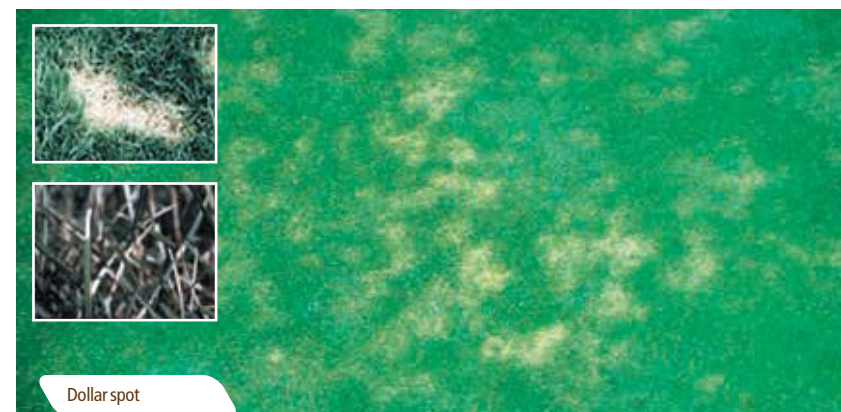
- ✓ Golf Greens
- ✓ Tees
- ✓ Fairways
- ✓ Bowling Greens

Label Approved Diseases

- ✓ Microdochium patch
- ✓ Anthracnose
- ✓ Dollar spot
- ✓ Brown patch

Turf
REWARDS

PRODUCT
see pages 4-5





Directions For Use

1. To optimise results use preventatively or during early stages of disease establishment.
2. Go to www.greencast.co.uk for weather and temperature guidance and disease prediction service.
3. Avoid applications during frosty or drought conditions.
4. Maximum one treatment per year.
5. Instrata is tank-mixable with other products within the Everris range. Advice should always be sought from your Everris Technical Area Sales Manager before any tank-mix is applied.
6. Mix with Turf Mark Extra spray pattern indicator to aid spraying, to condition water and to minimise spray drift.
7. For use on golf courses and bowling greens.
8. Do not apply using a knapsack sprayer.
9. FOR USE ONLY AS A HORTICULTURAL FUNGICIDE.

Recommended Period of Use

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

Tank-Mix Table (see pages 112 - 113 for full Tank-Mix Table)

Greenmaster Liquid							Sportsmaster WSF					Biostimulants
High N	Spring & Summer	NK	High K	STEP Liquid	Effect Iron Fe	Ca-Booster	High N	High P	High K	Iron	Seamax	Vitalnova Blade
✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✗	✓

Wetting Agents		PGR	Herbicides				Fungicides				
H ₂ Pro Conserve	H ₂ Pro Maximise	Primo Maxx	Re-Act Ultra	Praxys	Jewel	Rescue	Headway	Heritage Maxx	Heritage	Medallion TL	Banner Maxx
✓	✓	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗

For further information contact your
Everris Technical Area Sales Manager
or visit www.everris.co.uk | www.everris.ie



A dual action broad spectrum systemic fungicide

Headway Benefits

- Preventative, curative and eradicant action
- Rapid uptake and movement within the plant
- Long-lasting protection

Product Characteristics

Pack size: 3 litre S-Pac bottle
 Packs per outer: 4 x 3 litre
 Pack coverage: 1 hectare
 Contains 62.5g/L azoxystrobin,
 104g/L propiconazole
 MAPP No. 14396 PCS No. 03557

Application Rate

Maximum individual dose: 3 L/ha
 Water volume: 250 - 1,000 L/ha
 Maximum number of treatments: 4 per year

Areas of Use

- ✓ Amenity Turf (golf greens, tees, fairways, bowling greens and sportsfields)

Label Approved Diseases

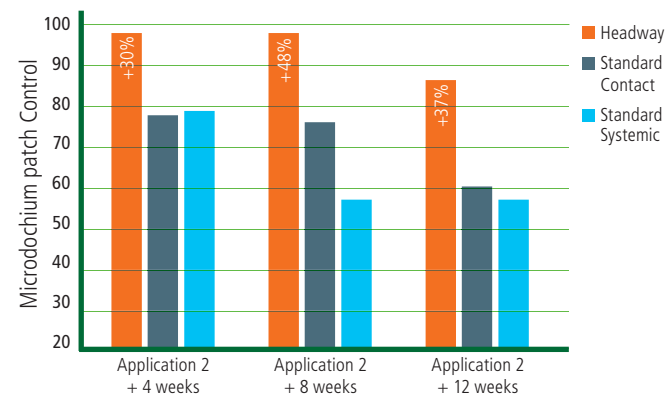
- ✓ Microdochium patch
- ✓ Dollar spot
- ✓ Leaf spot
- ✓ Take-all patch
- ✓ Anthracnose



Proven Performance

STRI trials at Bingley in Yorkshire showed Headway to be an outstandingly effective treatment for Microdochium patch, with incredibly persistent results, weeks after application. Headway delivered significantly greater levels of disease control, which lasted far longer than other fungicides.

Headway Treatment of Microdochium patch



Headway has performed outstandingly in trials, with up to 48% better disease control than the average of these comparative fungicides.

Headway achieved virtually 100% control over four weeks after application, and was still achieving over 80% control more than twelve weeks after application.



Recommended Period of Use

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

Directions For Use

1. To optimise results, use as a protectant treatment or, when a predictive assessment indicates a high risk of disease development, go to www.greencast.co.uk.
2. Avoid applications during frosty or drought conditions.
3. Do not make more than 2 consecutive applications.
4. Headway is tank-mixable with other products within the Everris range, with the exception of any silicone-based wetting agents. Advice should always be sought from your Everris Technical Area Sales Manager before any tank-mix is applied.
5. Application to young grass: can be applied after the 2nd leaf stage.
6. Mix with Turf Mark Extra spray pattern indicator to aid spraying, to condition water and to minimise spray drift.
7. FOR USE ONLY AS A HORTICULTURAL FUNGICIDE.

Tank-Mix Table (see pages 112 - 113 for full Tank-Mix Table)

Greenmaster Liquid							Sportsmaster WSF					Biostimulants	
High N	Spring & Summer	NK	High K	STEP Liquid	Effect Iron Fe	Ca-Booster	High N	High P	High K	WSF Iron	Iron	Seamax	Vitalnova Blade
✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✗	✗	✗	✓

Wetting Agents			PGR	Herbicides			Fungicides			
H ₂ Pro Conserve	H ₂ Pro Maximise	Qualibra	Primo Maxx	Praxys	Jewel	Rescue	Heritage Maxx	Medallion TL	Banner Maxx	Instrata
✓	✓	✓	✓	✗	✗	✗	✗	✗	✗	✗

For further information contact your
Everris Technical Area Sales Manager
or visit www.everris.co.uk | www.everris.ie



Fast-acting cool weather systemic fungicide that protects turf as it grows

Banner Maxx Benefits

- Fast uptake and movement
- Protective, curative and eradicant activity
- Works well at lower temperatures (above 6°C soil temperature)

Product Characteristics

Pack size: 3 litre S-Pac bottle
Packs per outer: 4 x 3 litres
Pack coverage: 1 hectare
Contains 156g/L propiconazole
MAPP No. 13167 PCS No. 02715

Application Rate

Maximum individual dose: 3 L/ha
Water volume: 400 - 1,000 L/ha
Maximum number of treatments: 4 per year

Areas of Use

- ✓ Amenity Turf (golf greens, tees, fairways, bowling greens and sportsfields)

Label Approved Diseases

- ✓ Microdochium patch
- ✓ Anthracnose
- ✓ Dollar spot
- ✓ Brown patch



Turf
REWARDS
PRODUCT
see pages 4-5





Recommended Period of Use

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

Directions For Use

1. For best results use as a preventative or during early stages of disease establishment or, when a predictive assessment indicates a risk of disease development, go to www.greencast.co.uk.
2. Approved for application using a knapsack sprayer.
3. Avoid applications during frosty or drought conditions.
4. Banner Maxx is tank-mixable with other products within the Everris range. Advice should always be sought via your Everris Technical Representative before any tank-mix is applied.
5. Maximum 4 treatments per year.
6. Minimum 14-day interval between treatments.
7. Mix with Turf Mark Extra spray pattern indicator to aid spraying, to condition water and to minimise spray drift.
8. For use on managed amenity turf and amenity grassland.
9. FOR USE ONLY AS A HORTICULTURAL FUNGICIDE.

Tank-Mix Table (see pages 112 - 113 for full Tank-Mix Table)

Greenmaster Liquid							Sportsmaster WSF					Biostimulants
High N	Spring & Summer	NK	High K	STEP Liquid	Effect Iron Fe	Ca-Booster	High N	High P	High K	Iron	Seamax	Vitalnova Blade
✓	✓	✓	✓	✓	✓	X	✓	✓	✓	✓	X	✓

Wetting Agents		PGR	Herbicides				Fungicides				
H ₂ Pro Conserve	H ₂ Pro Maximise	Primo Maxx	Re-Act Ultra	Praxys	Jewel	Rescue	Headway	Heritage Maxx	Heritage	Medallion TL	Instrata
✓	✓	✓	X	X	X	X	X	✓	✓	✓	X

For further information contact your
Everris Technical Area Sales Manager
or visit www.everris.co.uk | www.everris.ie



Long-lasting systemic fungicide with root uptake

Heritage Maxx Benefits

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

Product Characteristics

Pack size: 3 litres S-Pac bottle
Packs per outer: 4 x 3 litres
Pack coverage: 1.2 hectare
Contains 95g/L azoxystrobin
MAPP No. 14787 PCS No. 03978

Application Rate

Maximum individual dose: 2.5 L/ha
Water volume: 125 - 1,000 L/ha
Maximum number of treatments: 4 per year

Areas of Use

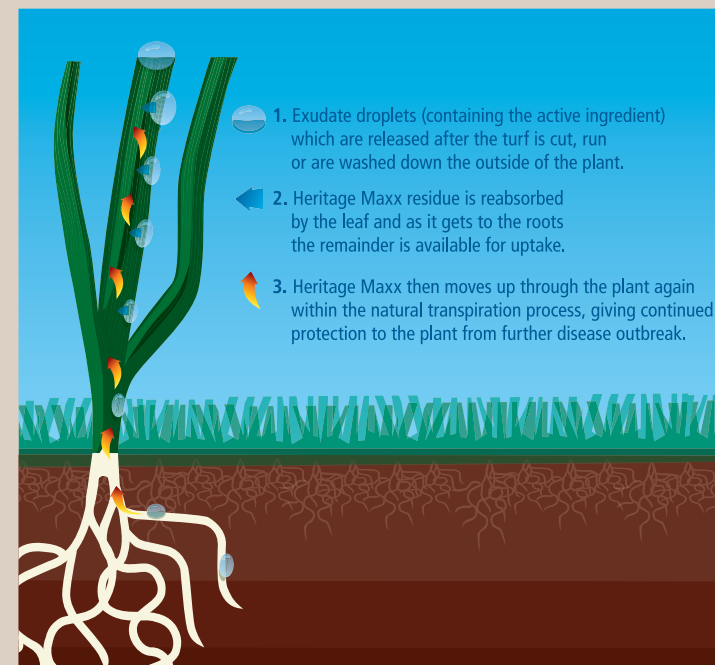
- ✓ Amenity Turf (golf greens, tees, fairways, bowling greens and sportsfields)

Label Approved Diseases

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



Active recycling, cut, after cut, after cut



The Maxx formulation moves faster for quicker activity

The unique Maxx formulation has been specifically designed for turf applications. Its advantages include:

- Outstanding turf safety
- Increased and enhanced product uptake for faster effect
- Very stable in the sprayer tank
- Easy-to-use liquid formulation
- Compatible and easy-to-mix with other products

Label Approved Diseases

	Heritage Maxx	Pyraclostrobin	Trifloxystrobin	Iprodione
Microdochium patch	✓	✓	✓	✓
Anthracnose	✓	✗	✗	✓
Brown patch	✓	✗	✗	✗
Leaf spot / Melting out	✓	✗	✗	✓
Rusts	✓	✗	✗	✓
Take-all patch	✓	✗	✗	✗
Type 2 Fairy ring	✓	✗	✗	✗
LERAP	No LERAP	Category B restriction	Category B restriction	Category B restriction

Recommended Period of Use

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

Tank-Mix Table (see pages 112 - 113 for full Tank-Mix Table)

Greenmaster Liquid							Sportsmaster WSF					Biostimulants
High N	Spring & Summer	NK	High K	STEP Liquid	Effect Iron Fe	Ca-Booster	High N	High P	High K	Iron	Seamax	Vitalnova Blade
✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✗	✓

Wetting Agents		PGR	Herbicides				Fungicides		
H ₂ Pro Conserve	H ₂ Pro Maximise	Primo Maxx	Re-Act Ultra	Praxys	Jewel	Rescue	Medallion TL	Banner Maxx	Instrata
✓	✓	✓	✗	✗	✗	✗	✓	✓	✗

Directions For Use

1. To optimise best results use as preventative or during early stages of disease establishment or, when a predictive assessment indicates a risk of disease development, go to www.greencast.co.uk.
2. Avoid applications during frosty or drought conditions.
3. Heritage Maxx is tank-mixable with other products within the Everris range. Advice should always be sought via your Everris Technical Representative before any tank-mix is applied.
4. Mix with Turf Mark Extra spray pattern indicator to aid spraying, to condition water and to minimise spray drift.
5. For use on managed amenity turf, including fine turf and amenity grassland.
6. FOR USE ONLY AS A HORTICULTURAL FUNGICIDE.

For further information contact your
Everris Technical Area Sales Manager
or visit www.everris.co.uk | www.everris.ie



Contact+ fungicide designed for use in the winter

Medallion TL Benefits

- Fast-acting knockdown of Microdochium patch spores on leaf, thatch and spores
- Gives long-lasting control in winter conditions
- Ideal as a preventative disease application

Product Characteristics

Pack size: 1 & 3 litre S-Pac bottle
Packs per outer: 12 x 1 litre, 4 x 3 litre
Pack coverage: 3,333m², 1 hectare
Contains 125g/L fludioxonil
MAPP No. 15287 PCS No. 04188

Application Rate

Maximum individual dose: 3 L/ha
Water volume: 125 - 500 L/ha
Maximum number of treatments: 4 per year

Areas of Use

- ✓ Amenity Turf
- ✓ Amenity Grassland

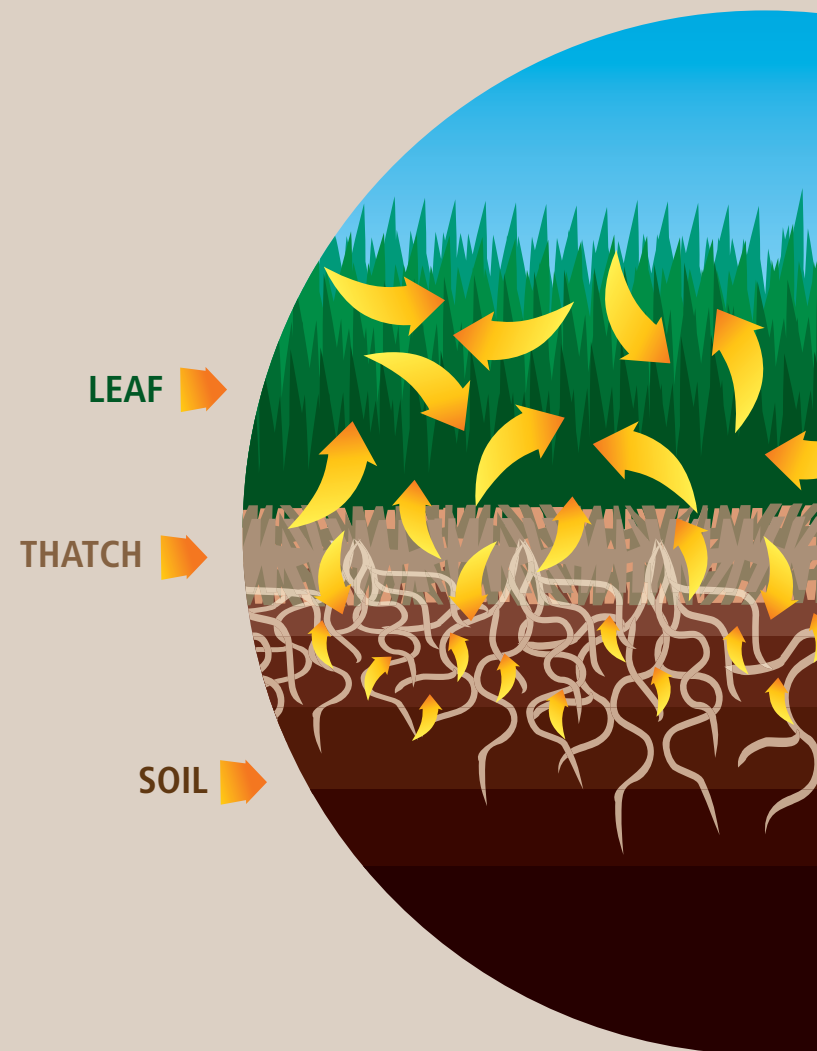
Label Approved Diseases

- ✓ Microdochium patch
- ✓ Anthracnose
- ✓ Leaf spot



Tackling Pathogen

Medallion TL tackles pathogen on the leaf, thatch and soil





Recommended Period of Use (weather permitting)

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

Directions For Use

1. Begin applications when conditions are favourable for disease infection or at the very beginning of disease symptom expression.
2. Avoid applications during frosty or drought conditions.
3. Apply when soil temperature is below 7°C and when clipping yields are low.
4. Maximum number of 4 sprays per year.
5. A minimum interval of 14 days should be observed between applications.
6. Do not leave the spray liquid in the sprayer for long periods (such as during meal breaks or overnight).
7. Only make up the amount of spray required for immediate use.

Tank-Mix Table (see pages 112 - 113 for full Tank-Mix Table)

Greenmaster Liquid							Sportsmaster WSF						Biostimulant
High N	Spring & Summer	NK	High K	STEP Liquid	Effect Iron Fe	Ca-Booster	High N	High P	High K	Sierrasol Iron	Iron	Seamax	Vitalnova Blade
✓	✓	✓	✓	✓	✗	✗	✓	✓	✗	✗	✗	✗	✓

Wetting Agents			PGR	Herbicides				Fungicides				
H ₂ Pro Conserve	H ₂ Pro Maximise	Qualibra	Primo Maxx	Re-Act Ultra	Praxys	Jewel	Rescue	Heritage Maxx	Heritage	Banner Maxx	Headway	Instrata
✗	✓	✓	✓	✗	✗	✗	✗	✓	✓	✗	✗	✗

For further information contact your
Everris Technical Area Sales Manager
or visit www.everris.co.uk | www.everris.ie



High performance systemic strobilurin fungicide

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

Product Characteristics

Pack size: 100g & 500g
Pack coverage: 2,000 & 10,000m²
Contains 500g/kg azoxystrobin
MAPP No. 13536 PCS No. 02092

Application Rate

Maximum individual dose: 0.5 kg/ha
Water volume: 125 - 1,000 L/ha
Maximum number of treatments: 4 per year

Areas of Use

- ✓ Amenity Turf (golf greens, tees, fairways, bowling greens and sportsfields)

Label Approved Diseases

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





Recommended Period of Use (weather permitting)

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

Tank-Mix Table (see pages 112 - 113 for full Tank-Mix Table)

Greenmaster Liquid							Sportsmaster WSF					Biostimulants
High N	Spring & Summer	NK	High K	STEP Liquid	Effect Iron Fe	Ca-Booster	High N	High P	High K	WSF Iron	Seamax	Vitalnova Blade
✓	✓	✓	✓	✓	✓	X	✓	✓	✓	✓	X	✓

Wetting Agents			PGR	Herbicides				Fungicides			
H ₂ Pro Conserve	H ₂ Pro Maximise	Qualibra	Primo Maxx	Re-Act Ultra	Praxys	Jewel	Rescue	Medallion TL	Banner Maxx	Headway	Instrata
✓	✓	✓	✓	X	X	X	X	✓	✓	X	X

Directions For Use

1. For best results use as protectant or during early stages of disease establishment or, when a predictive assessment indicates a risk of disease development, go to www.greencast.co.uk.
2. Apply preventatively as a drench (1,000 L/ha of water) for control of Take-all patch disease and make 2 applications 14 days apart.
3. Avoid applications during frosty or drought conditions.
4. Heritage is tank-mixable with other products within the Everris range. Advice should always be sought via your Everris Technical Representative before any tank-mix is applied.
5. Mix with Turf Mark Extra spray pattern indicator to aid spraying, to condition water and to minimise spray drift.
6. FOR USE ONLY AS A HORTICULTURAL FUNGICIDE.

For further information contact your
Everris Technical Area Sales Manager
or visit www.everris.co.uk | www.everris.ie

Nemasys®

Biological control of Chafer grubs and Leatherjackets in amenity turf

Nemasys Benefits

- Safe for turf and wildlife
- Kills larvae within 10 - 14 days
- One tray treats 500m²
- Nemasys G controls Chafer grubs
- Nemasys J controls Leatherjackets

Product Characteristics

Pack size: tray (250 million nematodes)
Pack coverage: 500m²
Analysis: contains insect parasitic nematodes

Application Rate

Dose rate: 1 tray per 500m²
Water volume: 50L per 500m²
Maximum number of treatments: 1 per year



Areas of Use

- ✓ Amenity Turf
- ✓ Amenity Grassland

Nemasys J Controls Leatherjackets



Leatherjackets



Eggs are laid in late August and hatch within two weeks. The young start feeding immediately. Nemasys J should be applied and watered into the turf about two weeks after the adult Crane Fly have been seen. This is usually from August to September, which is the best time to apply nematodes, as the soil temperature is around 12°C.

Nemasys G Controls Chafer grubs



Chafer grubs



The eggs of the Chafer beetle hatch and begin feeding on the roots of the grass plant from July until late September. They then burrow deep into the ground, lying dormant under the soil until spring when they move to the surface and emerge as beetles, and so the cycle repeats.

Delivery

Nemasys G and Nemasys J are living products. They are dispatched directly from our production facility by overnight carrier. Once received, the transport box should be opened and refrigerated at between 2°C and 5°C for up to a maximum of four weeks.



Directions For Use

1. Pre-mix the tray in a bucket of cold water.
2. Add to a conventional spray tank or knapsack sprayer.
3. Add H₂Pro Conserve or H₂Pro Maximise wetting agent to help penetration.
4. Check sprayers have no filters below 50 mesh (0.3mm) and remove if necessary. For knapsack sprayers minimum filter is 18 mesh (1.0mm).
5. Start sprayer agitation. Continue agitation throughout application.
6. Apply immediately. Do not allow the spray solution to remain in the tank longer than one hour after mixing.
7. After application the soil needs to be kept moist, either by irrigation or natural rainfall.
8. The soil temperature must be between 10°C and 30°C at application and for at least two weeks afterwards.

Recommended Period of Use

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

Shot far right: This golf course has dramatic evidence of the sort of damage that can be caused to turf.

This golf course has been torn apart by birds and other wild animals searching for the larvae of Chafer grubs and Leatherjackets.

For further information contact your
Everris Technical Area Sales Manager
or visit www.everris.co.uk | www.everris.ie



Praxys®

High performance, highly concentrated
systemic selective weedkiller

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

Product Characteristics

Pack size: 2 litre bottles
Packs per outer: 8 x 2 litres
Pack coverage: variable
Contains 144g/L fluroxypyr-meptyl,
80g/L clopyralid and 2.5g/L florasulam
MAPP No. 13912 PCS No. 03510

Application Rate

Maximum individual dose: 2 L/ha
Water volume: 200 L/ha
Maximum number of treatments: 1 per year



Areas of Use

- ✓ Managed Amenity Turf
- ✓ Amenity Grassland



Praxys kills tough weeds
with the three most powerful actives



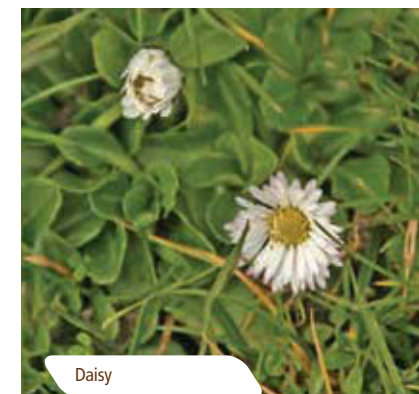
White Clover



Slender Speedwell



Black Medick



Daisy



Creeping Buttercup



Ribwort Plantain



Directions For Use

1. The ideal timing for application is when the weeds are small and actively growing.
2. Broad-leaved weeds not present at application will not be controlled.
3. An interval of 4 weeks must elapse between application of Praxys and over-seeding turf.
4. Do not use any plant material treated with Praxys for composting or mulching.
5. Do not apply if turfgrass is wet.
6. Do not apply to turf, lawns or grass areas which are under stress.
7. Do not apply if night temperatures are low, if ground frost is imminent, or in periods of prolonged cold or dry weather.
8. Take extreme care to avoid drift onto crops and non-target plants, e.g. trees, shrubs and bedding outside the target area.

Recommended Period of Use

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

Tank-Mix Table (see pages 112 - 113 for full Tank-Mix Table)

Greenmaster Liquid							Sportsmaster WSF					Biostimulants
High N	Spring & Summer	NK	High K	STEP Liquid	Effect Iron Fe	Ca-Booster	High N	High P	High K	WSF Iron	Seamax	Vitalnova Blade
X	X	X	X	X	X	X	X	X	X	X	X	✓

Wetting Agents			PGR	Herbicides			Fungicides				
H ₂ Pro Conserve	H ₂ Pro Maximise	Qualibra	Primo Maxx	Re-Act Ultra	Jewel	Rescue	Heritage Maxx	Medallion TL	Banner Maxx	Headway	Instrata
X	X	X	X	X	X	X	X	X	X	X	X

For further information contact your
Everris Technical Area Sales Manager
or visit www.everris.co.uk | www.everris.ie

Jewel[®]

Selective weed and moss control in one formulation

Jewel Benefits

- Controls weeds and moss in turf
- Suitable for use on all turfgrass species
- Contact and systemic action
- Ideal for spring use

Product Characteristics

Pack size: 1.5kg bottle
Packs per outer: 4 x 1.5kg
Pack coverage: 1 hectare
Contains 1.5% w/w carfentrazone-ethyl
and 60% w/w mecoprop-p
MAPP No. 14327 PCS No. 02953

Application Rate

Maximum individual dose: 1.5 kg/ha
Water volume: 500 L/ha
Maximum number of treatments: 2 per year



Areas of Use

- ✓ Managed Amenity Turf
- ✓ Amenity Grassland



Moss



Bristly Ox-tongue



Greater Plantain



Buck's-horn Plantain



White Clover



Cinquefoil



Daisy



Creeping Buttercup



Speedwell



Bird's-foot Trefoil

Jewel Cap Conversion

The Jewel Cap shows millilitre measurements – conversion to grams is as follows:

Millilitres	Grams
50	31.2
40	24.96
30	18.72
20	12.48

Directions For Use

1. Jewel can be used from the 3-leaf stage onwards (approximately 4 - 6 weeks after sowing, depending on climatic conditions).
2. For best results apply Jewel when weeds are at an early growing stage.
3. Allow an interval of 6 - 8 weeks between product application and over-seeding.
4. For moss control it is recommended that, following death of the moss, the turf is scarified.
5. Apply when the weather is fair, the soil is moist, the grass is dry, and when the moss and broad-leaved weeds are actively growing.
6. Do not apply if rainfall is expected within 24 hours.
7. Do not apply in frosty conditions.
8. Weed control in 3 - 5 weeks.
9. Re-treatment may be necessary for heavy infestations or if moss returns or weeds re-grow.
10. To avoid subsequent damage to turf, thoroughly clean all spray equipment after use.

Recommended Period of Use

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

Tank-Mix Table (see pages 112 - 113 for full Tank-Mix Table)

Greenmaster Liquid							Sportsmaster WSF						Biostimulants
High N	Spring & Summer	NK	High K	STEP Liquid	Effect Iron Fe	Ca-Booster	High N	High P	High K	WSF Iron	Iron	Seamax	Vitalnova Blade
✓	✓	✓	✓	✓	✗	✗	✓	✓	✓	✗	✗	✗	✓

Wetting Agents		PGR	Herbicides			Fungicides				
H ₂ Pro Conserve	H ₂ Pro Maximise	Primo Maxx	Re-Act Ultra	Praxys	Rescue	Headway	Heritage Maxx	Medallion TL	Banner Maxx	Instrata
✗	✗	✓	✗	✗	✗	✗	✗	✗	✗	✗

For further information contact your
Everris Technical Area Sales Manager
or visit www.everris.co.uk | www.everris.ie



Selective herbicide for the control of ryegrass on golf courses and bowling greens

Rescue Benefits

- Controls Ryegrass but leaves Fescue, Poa annua and Browntop Bentgrasses unaffected
- Can improve playing qualities and reduce maintenance requirements



Turf
REWARDS

PRODUCT
see pages 4-5

Areas of Use

- ✓ Golf Greens
- ✓ Bowling Greens
- ✓ Golf Fairways
- ✓ Semi-Roughs
- ✓ Roughs



What can you expect to see?



1. Before application



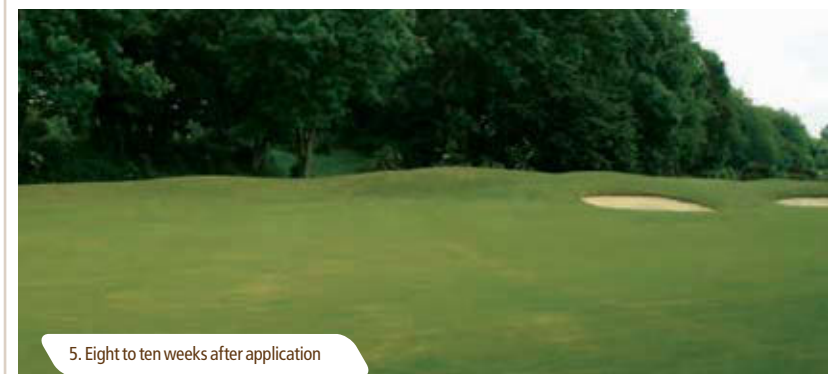
2. Two to three weeks after application



3. Three to five weeks after application



4. Five to eight weeks after application



5. Eight to ten weeks after application

Product Characteristics

Pack size: 1 litre S-Pac bottle
Pack coverage: 7,518 - 10,000m²
Contains 45g/L pinoxaden and
11.25g/L cloquintocet-mexyl
MAPP No. 14518 PCS No. 03682

Application Rate

Maximum individual dose:
Spring - 1.33 L/ha
Autumn - 1 L/ha
Water volume: 250 - 500 L/ha
Maximum number of treatments: 2 per year

1. Before application

Ryegrass infestations on fine turf create an uneven and unsightly surface that is difficult to maintain and is unpopular with players. The application of Rescue is a quick and effective route to restoring fine turf quality.

2. Two to three weeks after application

Ryegrass and other susceptible weed grasses start to go pale yellow and begin to die back. The timings at which effects are seen will be weather dependent; in good growing conditions results are faster, but in dry or poor conditions it will take longer for Rescue to have the desired effect.

3. Three to five weeks after application

Do the 'Rescue Rub Test'. When the treated patches have died back, rub the patch with the palm of your hand. If the treated turf surface breaks up it has passed the Rescue Rub Test. Any temporary yellowing on Bentgrasses should be outgrown. Over-seeding can take place at any time when weather and soil conditions are conducive.

4. Five to eight weeks after application

Target Ryegrass and other weed grasses will have died right back. Over-seeding should have taken place and, in good conditions, new seedlings will be starting to emerge. Apply appropriate Greenmaster liquid to encourage seedling development.

5. Eight to ten weeks after application

Ryegrass and other grass species will have been controlled. Any plants that have survived treatments will show weakened growth and susceptibility to a second Rescue application. Seedlings from over-seeding programmes should be well established.

The finished result

The removal of Ryegrasses and other unwanted coarse grasses can allow the successful re-establishment and maintenance of a high quality, fine turf playing surface.

Directions For Use

1. Best results achieved from Rescue programmes started in autumn.
2. Apply twice for optimal control.
3. Over-seeding following Rescue application can achieve faster rejuvenation of fine turf playing surfaces and minimise invasion of weed species.
4. Dense, well established patches of Ryegrass may require a programme of two or three applications to achieve full control.
5. Follow-up Rescue treatments on an annual basis may be required to control new seedling re-infestation.
6. Rescue can be applied with conventional golf course or bowling green sprayer (including knapsack).
7. Spray Rescue in 250 - 500 litres of water per hectare, ensure good coverage but avoid over-wetting.
8. Rescue should not be tank-mixed with other plant protection products.

Recommended Period of Use

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

For further information contact your
Everris Technical Area Sales Manager
or visit www.everris.co.uk | www.everris.ie

Roundup® ProBio

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

Roundup ProBio Benefits

- Rainfast within 1 hour
- The widest label fields of use
- Widest range of tested tank-mixing partners
- Drift reduction properties
- Excellent in challenging conditions



Areas of Use

- ✓ Industrial
- ✓ Amenity
- ✓ Forestry
- ✓ Aquatic

Product Characteristics

Pack size: 5 litre bottle
Water volume: 100 - 200 L/ha
Contains 360g/L glyphosate
MAPP No. 15539
Not available in ROI



Weeds Controlled

Roundup ProBio herbicide controls most emerged grasses and broad-leaved weeds. It is important that all weeds are at the correct growth stage when treated, otherwise some re-growth may occur and this will need re-treatment.

Apply Roundup ProBio herbicide once grasses and broad-leaved weeds have emerged and they have actively-growing green leaves.

Compatibility List

Physically compatible	Equivalent dilution
Chikara	MCPA*
Dursban WG	Mixture B NF
2,4,D*	Pistol (with agitation)
Frigate/T80	Stomp 400
Kerb Flo	Marker dyes

*Antagonism when used at high rates.
Do not exceed a ratio of 1 part to 3 parts Roundup ProBio.

Application Rate

Rate	Equivalent dilution	Weeds controlled
3 L/ha	1:67 or 15ml per litre of water	Annual grasses, annual broad-leaved weeds
4 L/ha	1:50 or 20ml per litre of water	Arable weeds, pre-planting of trees
5 L/ha	1:40 or 25ml per litre of water	Most perennial weeds
6 L/ha	1:33 or 30ml per litre of water	Floating aquatic weeds
10 L/ha	1:20 or 50ml per litre of water	Rhododendron, Ivy, Horsetail and difficult waxy-leaved plants

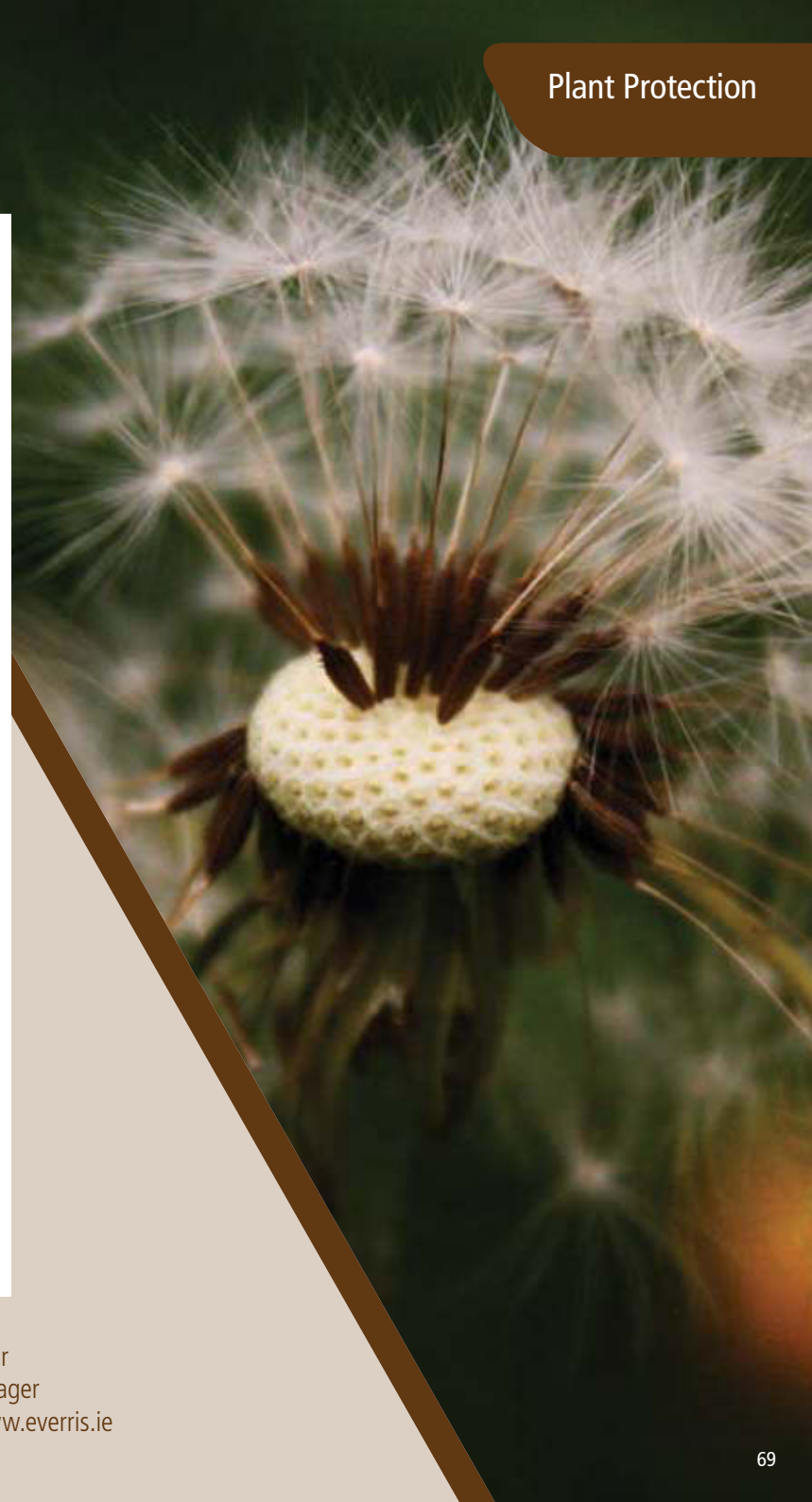
6 Weeks After Treatment



Directions For Use

1. Roundup ProBio is recommended for control of annual and perennial grasses and broad-leaved weeds in non-crop areas, for cleaning up weedy ground prior to planting or sowing and for aquatic weed control. Roundup ProBio may also be used as a directed spray in ornamental plantings, orchards and for spot treating weeds in grassland. Roundup ProBio must be targeted only at weed growth on hard surfaces such as roadsides and paths (see label for details).
2. DO NOT MIX, STORE OR APPLY ROUNDUP PROBIO IN GALVANISED OR UNLINED STEEL CONTAINERS OR SPRAY TANKS.
3. DO NOT leave spray mixtures in tanks for long periods and make sure tanks are WELL VENTED.
4. Rainfast in 1 hour on annuals and Couch grasses, and in 4 hours on broad-leaved weeds and perennial grasses.
5. Do not spray onto weeds which are naturally senescent, or where growth is impaired by drought, high temperatures, a covering of dust, flooding or frost at or immediately after application, otherwise poor control may result.
6. Do not spray in windy conditions, as drift onto desired crops or vegetation can severely damage or destroy them.
7. Do not tank-mix Roundup ProBio with adjuvants, pesticides or fertilizers, except as specified in the Compatibility section.
8. Exclusion times: people, pets and wildlife need not be kept out of treated areas. It is best not to walk in areas where the spray is still wet, as transfer to other vegetation may lead to unwanted damage to other foliage. Once the spray is dry, this cannot occur.

For further information contact your
Everris Technical Area Sales Manager
or visit www.everris.co.uk | www.everris.ie



Roundup[®] Pro Vantage

High load, clean label
premium glyphosate

Roundup Pro Vantage Benefits

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



Areas of Use

- ✓ Industrial
- ✓ Amenity
- ✓ Forestry
- ✓ Aquatic



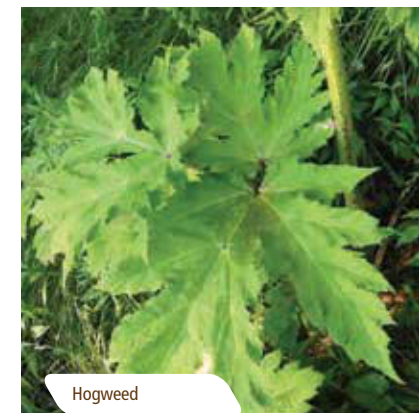
Product Characteristics

Pack size: 5 litre bottle
Packs per outer: 4 x 5 litres
Pack coverage: 0.63 - 1.25 hectares
Contains 450g/L glyphosate
MAPP No. 15534
Not available in ROI

Controls Heavyweight Weeds



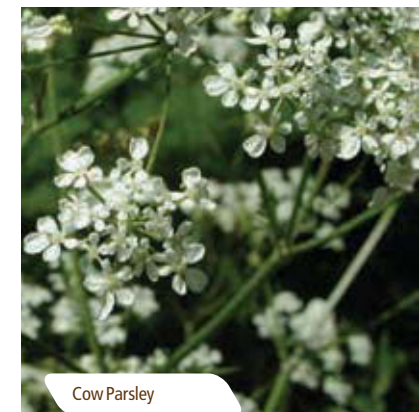
Bramble



Hogweed



Bindweed



Cow Parsley



Japanese Knotweed



White Bryony



Application Rate

Crop/situation		Maximum individual dose
Natural surfaces not intended to bear vegetation; permeable surfaces overlaying soil; hard surfaces		4.0 L/ha
Enclosed waters; open waters; land immediately adjacent to aquatic areas		4.8 L/ha
Forest	Forest nursery weed control	8.0 L/ha
	Stump application	160ml per litre water (16% solution of product in water)
	Chemical thinning (by injection)	1.6ml per 10cm diameter (or less) of tree
Amenity vegetation		4.0 L/ha
All edible crops; all non-edible crops (destruction before sowing or planting)		4.0 L/ha

Directions For Use

1. Avoid spray drift.
2. A period without rain of 6 hours is recommended but gives excellent results on annuals and Couch in 1 hour, and 4 hours on perennial weeds.
3. Use as directed to weeds which are actively growing, with enough leaf cover to absorb the product.
4. Weeds are less susceptible when growth is restricted by natural senescence or by factors such as drought or waterlogging.
5. For aquatic, forestry, weed wipe, injection and stump application, always refer to the product label or contact your Everris Technical Representative.
6. Avoid applications during frosty, waterlogged, hot or drought conditions.
7. Mix with Turf Mark Extra spray pattern indicator to aid spraying, to condition water and to minimise spray drift.
8. For use on natural surfaces not intended to bear vegetation, permeable surfaces overlying soil and hard surfaces.
9. FOR USE ONLY AS A HORTICULTURAL/ AGRICULTURAL/INDUSTRIAL HERBICIDE.

Recommended Period of Use

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

For further information contact your
Everris Technical Area Sales Manager
or visit www.everris.co.uk | www.everris.ie

Monsanto Amenity Glyphosate

Cost-effective glyphosate formulation
for the control of emerged weeds

Monsanto Amenity Glyphosate Benefits

- Cost-effective treatment of many emergent weeds
- Fully formulated with original Roundup surfactant
- Rainfast in 6 hours

Product Characteristics

Pack size: 5 litres
Packs per outer: 4 x 5 litres
Pack coverage: 0.5 - 1.0 hectare
Contains 360g/L glyphosate
MAPP No. 16382
Not available in ROI

Recommended Period of Use

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



Areas of Use

- ✓ Horticultural
- ✓ Industrial
- ✓ Amenity
- ✓ Forestry



Application Rate

Crop/situation	Maximum individual dose
Land not intended to bear crops	5 L/ha
Forestry: weed control	10 L/ha
Chemical thinning	2ml per 10cm diameter (or less) of tree
Stump application	20% solution of product in water (200ml/L)

Water volume: 80 - 250 L/ha

For further information contact your
Everris Technical Area Sales Manager
or visit www.everris.co.uk | www.everris.ie

Hammer[®]

Fast-acting total weed control from double action formulation

**NOW WITH
HARD SURFACE
APPROVAL**

Hammer Benefits

- Now with hard surface approval
- Innovative combination of two active ingredients
- Visible effects after just 24 hours
- Effective on a broad range of weeds

Product Characteristics

Pack size: 5 litre bottle
Packs per outer: 4 x 5 litres
Contains 0.66g/L pyraflufen-ethyl:
240g/L glyphosate
MAPP No. 16498
Not available in ROI

Recommended Period of Use

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

Glyphosate

Blocks production of essential acids needed for plant growth



**24
HOURS**

Pyraflufen-ethyl

Inhibits the enzymes needed to drive photosynthesis



**48
HOURS**

Areas of Use

- ✓ Industrial
- ✓ Amenity



Application Rate

IMPORTANT INFORMATION:
For use only as a horticultural/industrial herbicide

Crop/situation	Natural surfaces not intended to bear vegetation; permeable surfaces overlaying soil; around ornamental shrubs and trees	Hard surfaces (block paving, footpaths, pavements, roadsides, paths, drives, yards, paving slabs, terraces, patios, along fences and walls)
Maximum individual dose	8.75 L/ha	6.25 L/ha
Maximum number of treatments	4 per year	
Latest time of application	November	
Other specific restrictions	N/A	

For further information contact your
Everris Technical Area Sales Manager
or visit www.everris.co.uk | www.everris.ie

icade®

For the control of invasive
and tough woody weeds

Icade Benefits

- Effective against Japanese Knotweed, Hogweed and Buddleia
- Rainfast in 1 hour
- Safe to grasses
- Outstanding levels of translocation gets Icade deep into the roots of weeds
- Very low amounts of active ingredients

Application Rate

Broadcast application:
Apply at 2.0 L/ha for Common Nettle.
Apply at 4.0 L/ha for control of Bramble, Common Mugwort, Common Nettle, Creeping Thistle and Giant Hogweed.

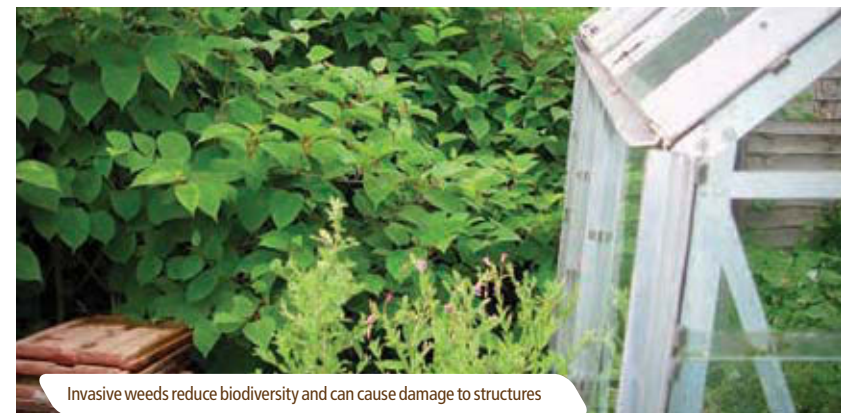
Localised spot application:
Apply at 150ml per 10 litres water for the control of Bramble and Gorse.
Apply at 200ml per 10 litres water for the control of Broom, Buddleia and Japanese Knotweed.

Product Characteristics

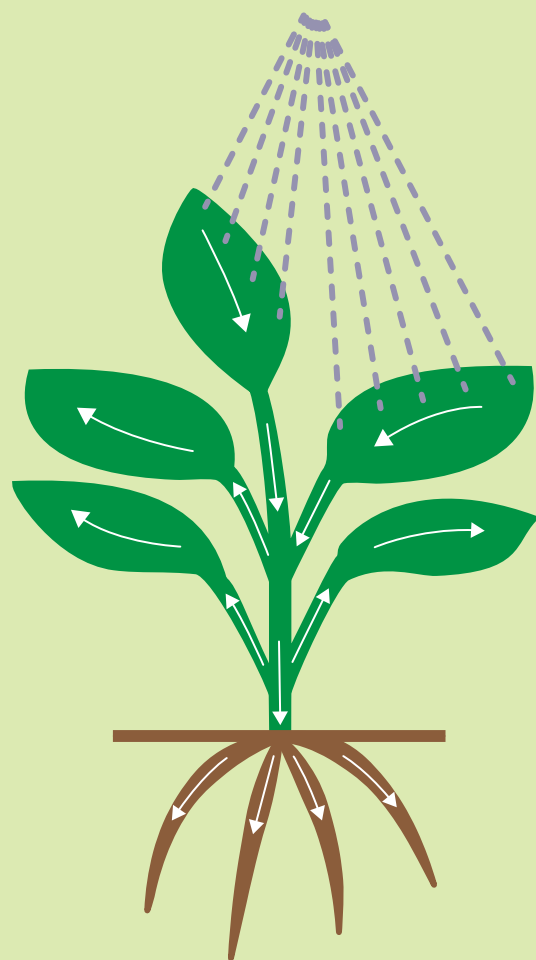
Pack size: 1 litre bottles
Packs per outer: 10 x 1 litres
Contains 12g/L aminopyralid and 120g/L of triclopyr
MAPP No. 16182 PCS No. 04249

Areas of Use

- ✓ Industrial
- ✓ Amenity Grassland



Icade quickly translocates throughout the target weed



Directions For Use

1. Apply Icade to actively growing weeds with a dry leaf.
2. Spray Icade to thoroughly wet the leaves up to the point of run off.
3. Ensure good spray coverage of the whole weed.
4. Spray to avoid drift.
5. Allow at least 1 hour before any rainfall.
6. Only mix enough spray for the job in hand.
7. DO NOT USE on airfields.
8. DO NOT USE on land that will be grazed by livestock.
9. DO NOT USE on land within one year of sowing seed.
10. DO NOT USE on land where the vegetation will be cut for animal feed, fodder or bedding, nor for composting or mulching within one calendar year of treatment.
11. Not approved for forestry/woodlands/airfields/golf courses.

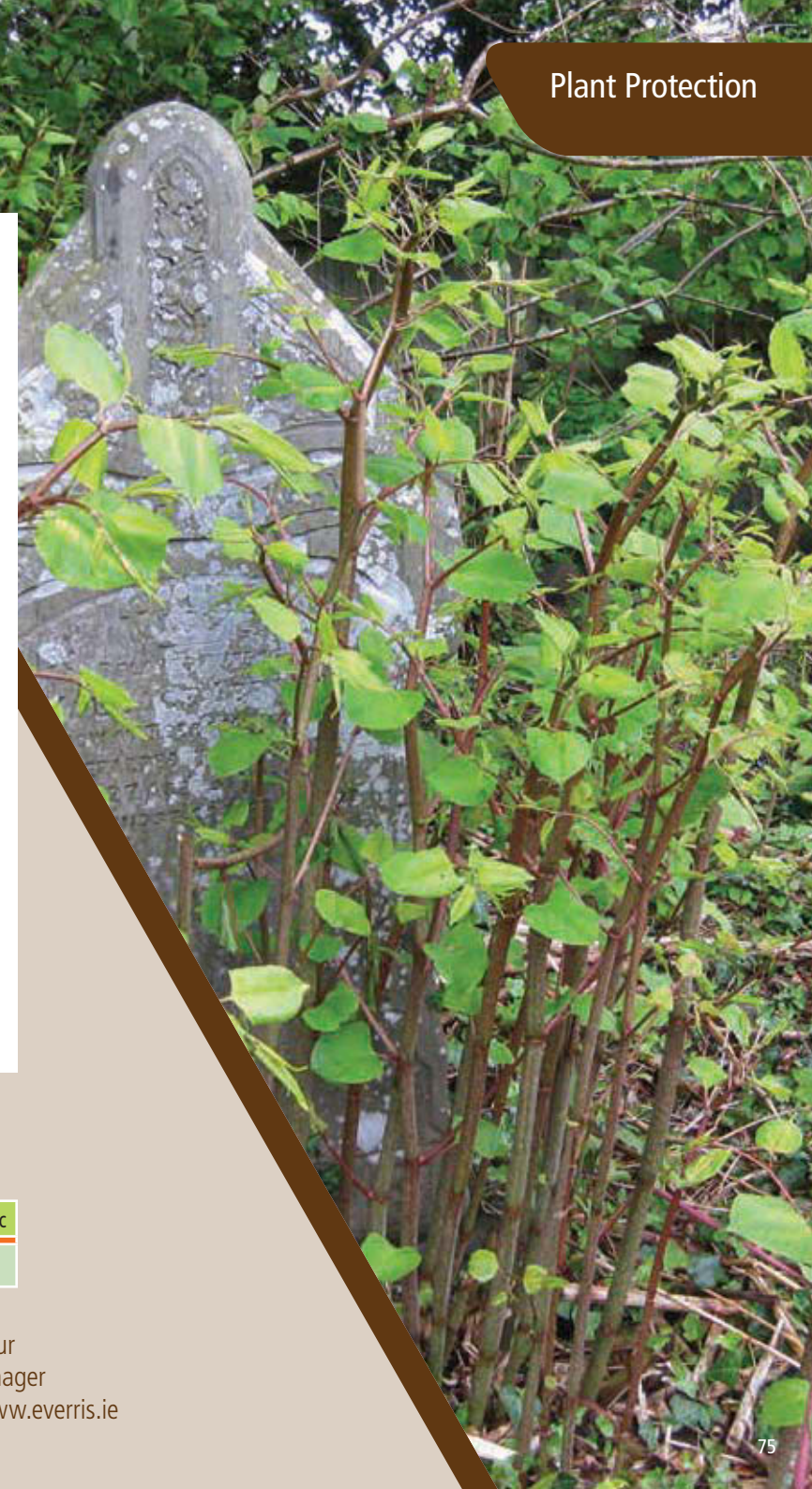
Users must have received adequate instruction, training and guidance in the safe use of the product, and must take all reasonable precautions to protect the health of human beings, creatures and plants, and safeguard the environment.

To use Icade you will need to sign a Certification Card to confirm that the directions on the card and stipulations on the product label will be adhered to.

Recommended Period of Use

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

For further information contact your
Everris Technical Area Sales Manager
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Proshield®

Pre and post-emergent
non-selective herbicide

Proshield Benefits

- Barrier prevention against germination for up to 6 months
- Rainfast within 1 hour
- For use on gravel and soft surfaces

Product Characteristics

Pack size: 5 litre bottle
Packs per outer: 4 x 5 litre
Pack coverage: 1.1 hectare
Contains 250g/L glyphosate and 40g/L diflufenican
MAPP No. 16118
Not available in ROI

Application Rate

Maximum individual dose: 4.5 L/ha
Water volume: 200 - 400 L/ha
Maximum number of treatments: 1 per year (at latest by end September)



Areas of Use

- ✓ Industrial
- ✓ Amenity



Road edges



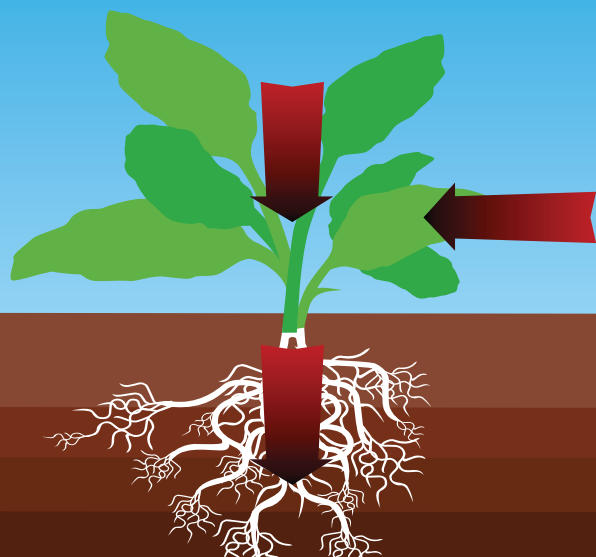
Railway ballast



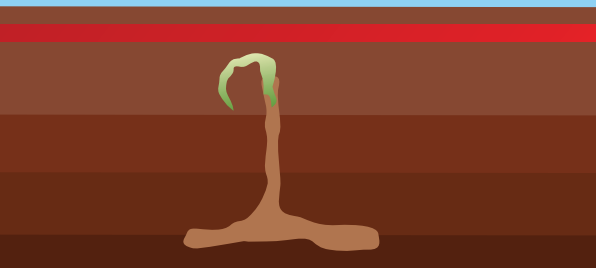
Fence lines

How it works

Glyphosate circulates throughout the entire plant causing rapid knockdown and kill of foliage and roots.



Diflufenican adheres to the soil surface to form a chemical barrier preventing further weed seed germination.



Directions For Use

1. For use on gravel and soft surfaces.
2. One application kills weeds rapidly.
3. Barrier action can prevent germination for up to 6 months.
4. Rainfast within 1 hour.
5. The product is applied post-emergence to control a wide range of annual and perennial broad-leaved weeds and grasses on porous surfaces on land not intended to bear vegetation.
6. Applications should not be made to plants growing under stress conditions, such as drought or water-logging, as reduced levels of control may result.
7. Do not spray in windy weather.
8. Do not add any wetting agent or adjuvant oil, as this may result in reduced activity.
9. FOR USE ONLY AS A HORTICULTURAL/INDUSTRIAL HERBICIDE.

Recommended Period of Use

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

For further information contact your
Everris Technical Area Sales Manager
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Ecoplug Max

Treatment for tree stumps to
minimise root and stump sprouting

Ecoplug Max Benefits

- 95 - 100% efficacy on treated stumps, preventing re-growth
- 100% selective with no effect on surrounding trees or vegetation
- Reduces the interval between clearing by 50 - 100%
- Supports requirements of the sustainable use directive to minimise use of pesticides

Areas of Use

- ✓ Industrial
- ✓ Forestry



Product Characteristics

Pack size: pack contains 100 x 300mg plugs
Contains 300mg granular glyphosate
MAPP No. 14741
Not available in ROI

How to Use



Directions For Use

1. Cut the tree as close to the ground as possible.
2. For optimum results, treat within 2 days of cutting; however, stumps can be treated up to 1 month after felling, but translocation of active ingredient may be slower.
3. Measure the diameter of the cut face and calculate how many plugs to use from the application rate table.
4. Drill a hole in the stump; the hole should be 25 - 30mm deep and 13mm wide using an adapted drill to control the depth.
5. Space the holes no more than 6 - 8cm apart around the entire circumference of the stump.
6. Drill as close to the bark as possible, because the tree's transport system is directly adjacent to the bark.
7. Insert Ecoplug Max plugs into each hole with the thicker end protruding outwards.
8. Using a hammer, drive the Ecoplug Max plug in completely so that its head seals the drilled hole, causing the plug to release the herbicide.
9. For best results, stump treatment should be done not more than 2 days after felling.
10. Do not use for any other purpose than treatment of freshly cut tree stumps.
11. FOR USE ONLY AS AN INDUSTRIAL/FORESTRY HERBICIDE.



Application Rate

	Stump diameter in cm	Number of Ecoplugs
GROUP 1 Alder, Aspen, Beech, Birch, Elm, Lime, Maple, Mountain Ash, Willow	3-6cm	1
	6-10cm	2
	10-14cm	3
	14-18cm	4
	>20cm	6-8cm between plugs
	Each buttress root	1
GROUP 2 Ash, Cherry, Bird Cherry, Oak	3-6cm	2
	6-10cm	3
	10-14cm	4
	14-18cm	6
	>20cm	5-6cm between plugs
	Each buttress root	2
GROUP 3 Poplar, Rhododendron, Elder, Tree of Heaven	3-6cm	2
	6-10cm	4
	10-14cm	6
	14-18cm	8
	>20cm	3-4cm between plugs
	Each buttress root	2

Recommended Period of Use

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

For further information contact your
Everris Technical Area Sales Manager
or visit www.everris.co.uk | www.everris.ie

Grass Seed

I am pleased to introduce the Everris
Turf Grass Amenity range

Grass seed is an integral part of our global business, and is the
foundation for successful turf management worldwide.

On behalf of Everris, I wish you every success in delivering
high-quality turf grass surfaces.

Simon Taylor

Product & Business Development Manager

- Grass Seeds



Grass Seed Contents

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Seed Testing Programme

Get with the programme and select a variety to suit your needs

Everris has developed an easy reference system using icons to assist turf managers when choosing the appropriate blends and varieties for their own situations.

No matter what the demands: wear, heat, salinity, shade or diseases, Everris has the solution.

Seed purity and performance are the foundations of integrated turf management programmes.



What the icons mean:

Wear Tolerance

Able to withstand intensive wear with good recovery.
Suitable for sports stadia, training grounds and any areas under intensive use.



Cold Tolerance

Low temperature germination and growth.
Suitable for early and late season conditions where low ground/air temperatures are experienced.



Shade Tolerance

Performs well in low light levels. Suitable in stadia, building surrounds or in natural shade created by trees.



Brown Patch Tolerance

Rhizoctonia (Brown patch) can affect most cool season turf grasses. This icon indicates the varieties and blends with improved resistance.



Visual Merit

An overall combination of grass sward quality taking into account year-round colour, shoot density, disease resistance and leaf texture.



Drought Tolerance

Tolerance to high temperatures and drought.
Suitable for areas with limited water resources or where high temperatures restrict the range of species that can be grown.



Low Maintenance

Reduced mowing frequency with low maintenance requirements. This includes reduced clipping yield, low growth rates and reduced mowing requirements.



Salt Tolerance

Tolerance of salinity. Suitable for coastal locations with naturally higher salinity and facilities using irrigation drawn from saline sources.



Disease Tolerance

Higher natural tolerance to the common turf diseases.



Sod (Turf) Quality

Blends that are free from contamination from other grasses and weeds.



NEW for 2015

Zip-Seed

Zip-Seed provides emerging seedlings with a complete package of nutritional components that improve plant health.



By maximising establishment success rates, you are able to improve the qualities of the sward to help improve the turf performance. Newer grasses, compared to invading weed grasses such as *Poa annua*, are far more efficient in taking up nutrients so there's far less nutritional wastage.

Zip-Seed is a non-phytotoxic seed treatment including a colourant, making it easily visible, in bag and in use.

The Zip-Seed treatment is particularly beneficial at the start or end of the season, when temperatures are lower or water is restricted.

For further information contact your
Everris Technical Area Sales Manager
or visit www.everris.co.uk | www.everris.ie

Grass Seed

ProSelect[®]1

Premium Pitch All Rye

ProSelect 1 Premium Pitch establishes a dense, hard-wearing blend of perennial ryegrasses, offering top performance for high quality stadia, sports fields and racecourses. Contains Zip-Seed treatment to help optimise germination and establishment rates.

ProSelect 1 Benefits

- Quick recovery from wear
- Outstanding visual appeal
- Rapid establishment

Seed Varieties*

100% PERENNIAL RYEGRASS

- SHORTY
- EUGENIUS
- VESUVIUS
- EURODIAMOND

*varieties subject to availability

Sowing Recommendations

New sowing: 35 - 50g/m²

Overseeding: 20 - 35g/m²

Product Characteristics

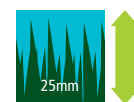
Pack size: 20kg

Turf
REWARDS

PRODUCT
see pages 4-5

Areas of Use

- ✓✓ Stadium Pitches
- ✓✓ Sportsfields
- ✓✓ Tees/Surrounds
- ✓✓ Racecourses



For further information contact your
Everris Technical Area Sales Manager
or visit www.everris.co.uk | www.everris.ie

ProSelect[®]2

Tees/Fairways/Outfield With Rye

ProSelect 2 is a fescue and ryegrass blend that produces a fine, dense and wear-tolerant sward with excellent visual merit. With strong divot recovery and low vertical growth, it is an ideal, sustainable mixture for tees, fairways and outfields.

ProSelect 2 Benefits

- Rapid establishment
- Strong divot recovery
- Low maintenance capability
- Good wear tolerance and density

Seed Varieties*

60% PERENNIAL RYEGRASS

- VERITY/VERMIO

20% SLENDER CREEPING RED FESCUE

- JAVELIN

20% STRONG CREEPING RED FESCUE

- LITANGA

*varieties subject to availability

Sowing Recommendations

New sowing: 25 - 35g/m²

Overseeding: 15 - 25g/m²

Product Characteristics

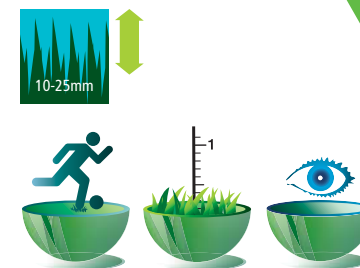
Pack size: 20kg

Turf
REWARDS

PRODUCT
see pages 4-5

Areas of Use

- ✓✓ Tees
- ✓✓ Fairways
- ✓✓ Outfields
- ✓✓ Hard-wearing Lawns



For further information contact your
Everris Technical Area Sales Manager
or visit www.everris.co.uk | www.everris.ie

Grass Seed

ProSelect®3

Fairway Fescue All Fescue

ProSelect 3 Fairway Fescue is our premium fairway mixture. It has been developed for situations requiring fine fescues and high shoot density. It combines good drought and salt tolerance with superior disease resistance.

Seed Varieties*

40% SLENDER CREEPING RED FESCUE

- JAVELIN

30% CHEWINGS FESCUE

- LIVISTA

30% STRONG CREEPING RED FESCUE

- LITANGO

*varieties subject to availability

Sowing Recommendations

New sowing: 25 - 35g/m²

Overseeding: 15 - 25g/m²

Product Characteristics

Pack size: 20kg

ProSelect 3 Benefits

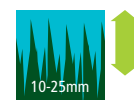
- Excellent salt tolerance
- Good shade tolerance
- Strong divot recovery
- Low maintenance requirement
- Suited for use in shaded areas

Turf
REWARDS

PRODUCT
see pages 4-5

Areas of Use

- ✓✓ Tees
- ✓✓ Fairways
- ✓✓ Outfields
- ✓✓ Fine Lawns
- ✓✓ Landscaping



For further information contact your
Everris Technical Area Sales Manager
or visit www.everris.co.uk | www.everris.ie

ProSelect®4

Greens 80/20 Fescue/Bent

ProSelect 4 Greens 80/20 is the classic seed mixture for establishing, renovating and transitioning fine turf. This blend of fescue/bent will produce beautiful dense turf which can be mown as low as 4mm.

ProSelect 4 Benefits

- Good salt, wear and shade tolerance
- Good winter colour
- Excellent Dollar spot tolerance
- Varieties rated highly in EU seed lists

Seed Varieties*

40% SLENDER CREEPING RED FESCUE

- JAVELIN

40% CHEWINGS FESCUE

- LIVISTA

20% BROWNTOP BENT

- TROY

*varieties subject to availability

Sowing Recommendations

New sowing: 25 - 35g/m²

Overseeding: 15 - 25g/m²

Product Characteristics

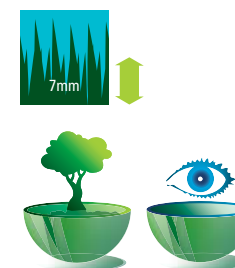
Pack size: 20kg

Turf
REWARDS

PRODUCT
see pages 4-5

Areas of Use

- ✓✓ Golf Greens
- ✓✓ Bowling Greens
- ✓✓ Fine Lawns
- ✓✓ Croquet Lawns



For further information contact your
Everris Technical Area Sales Manager
or visit www.everris.co.uk | www.everris.ie

Grass Seed

ProSelect[®]5

Fescue Greens All Fescue

ProSelect 5 Fescue Greens is a fine blend for the establishment and renovation of ultra-fine close-mown turf. It provides strong seedling vigour, offers good disease resistance and maintains a beautiful, medium green colour throughout the year.

ProSelect 5 Benefits

- Good salt tolerance
- Excellent performance in shade
- Good wear tolerance
- Quick establishment

Seed Varieties*

50% SLENDER CREEPING RED FESCUE

- JAVELIN

25% CHEWINGS FESCUE

- LIVISTA

25% CHEWINGS FESCUE

- COMPASS

*varieties subject to availability

Sowing Recommendations

New sowing: 25 - 35g/m²

Overseeding: 15 - 25g/m²

Product Characteristics

Pack size: 20kg

Turf REWARDS

PRODUCT
see pages 4-5

Areas of Use

- ✓✓ Golf Greens
- ✓✓ Bowling Greens
- ✓✓ Fine Lawns
- ✓✓ Croquet Lawns



For further information contact your
Everris Technical Area Sales Manager
or visit www.everris.co.uk | www.everris.ie

ProSelect®6

Fine Fescue and Rye Blend

An all-purpose seed mixture created for golf tees, fairways, outfield and landscaping. This fine-leaved blend establishes quickly, offers good disease resistance and maintains its medium green colour throughout the year.

Seed Varieties*

15% SLENDER CREEPING RED FESCUE

- JAVELIN

15% CHEWINGS FESCUE

- LIVISTA

20% STRONG CREEPING RED FESCUE

- LITANGO

50% PERENNIAL RYEGRASS

- VERITY
- VERMIO

*varieties subject to availability

Sowing Recommendations

New sowing: 35 - 50g/m²

Overseeding: 20 - 35g/m²

Product Characteristics

Pack size: 20kg

ProSelect 6 Benefits

- Medium green colour
- Excellent wear tolerance
- Rapid establishment
- Good disease resistance

Turf
REWARDS

PRODUCT
see pages 4-5

Areas of Use

- ✓✓ All-purpose
- ✓✓ Tees
- ✓✓ Fairways
- ✓✓ Outfields
- ✓✓ Lawns
- ✓✓ Landscaping



For further information contact your
Everris Technical Area Sales Manager
or visit www.everris.co.uk | www.everris.ie

Grass Seed

ProSelect[®]7

Ryegrass mix for sport

ProSelect 7 Sport is a hard-wearing seed mixture designed for municipal sports fields. It is ideal for both new establishment and renovations. This blend has a wide range of attributes, including rapid germination, excellent disease resistance and medium green colour aspect.

ProSelect 7 Benefits

- Medium green colour
- Excellent wear tolerance
- Quick establishment
- Good all-round performer

Seed Varieties*

100% PERENNIAL RYEGRASS

- LITANGO
- VERITY
- VERMIO

*varieties subject to availability

Sowing Recommendations

New sowing: 35 - 50g/m²

Overseeding: 20 - 35g/m²

Product Characteristics

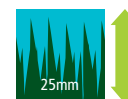
Pack size: 20kg

Turf
REWARDS

PRODUCT
see pages 4-5

Areas of Use

- ✓✓ Football
- ✓✓ Rugby
- ✓✓ Lawns
- ✓✓ Landscaping



For further information contact your
Everris Technical Area Sales Manager
or visit www.everris.co.uk | www.everris.ie



ProSelect®8

A high quality browntop bent grass mixture

ProSelect 8 All Bent is a triple variety *Agrostis capillaris* blend, designed for overseeding golf and bowling greens. Each variety offers individual strengths but when combined, they form a highly competitive fine turf surface.

ProSelect 8 Benefits

- Triple variety blend
- All UK STRI rated varieties
- Excellent all-round disease resistance
- Reduced nutrient input requirement

Seed Varieties*

100% BROWNTOP BENT

- JORVIK
- MANOR
- TROY

*varieties subject to availability

Sowing Recommendations

New sowing: 8g/m²

Overseeding: 5g/m²

Product Characteristics

Pack size: 10kg

Turf
REWARDS

PRODUCT
see pages 4-5

Areas of Use

- ✓✓ Golf Greens
- ✓✓ Bowling Greens



For further information contact your
Everris Technical Area Sales Manager
or visit www.everris.co.uk | www.everris.ie

Grass Seed

ProSelect®9

Premium performance creeping bent grass variety

Memorial is a premium performance variety of creeping bent grass (*Agrostis stolonifera*) that performs well in UK and Ireland conditions. It has been selected specifically for use when overseeding to enhance sward composition and improve playing qualities.

ProSelect 9 Benefits

- High wear tolerance
- Outstanding turf quality
- Excellent for overseeding

Seed Varieties*

100% CREEPING BENT GRASS

- MEMORIAL

*varieties subject to availability

Sowing Recommendations

New sowing: 8g/m²

Overseeding: 5g/m²

Product Characteristics

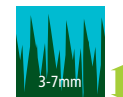
Pack size: 5kg

Turf
REWARDS

PRODUCT
see pages 4-5

Areas of Use

✓✓ Golf
Greens



For further information contact your
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Grass Seed Varieties

We are also able to offer a comprehensive range of quality grass seed varieties for golf, sports, landscaping and amenity turf.

Golf course managers can produce beautiful, fast, true greens using creeping bent grass, browntop bent or fescue. Complement your greens, add colour and contrast, and enhance all-round playability with a range of high quality fine turf varieties. You can also choose varieties that are suitable for maintaining strong, healthy turf on fairways, tees, rough and semi-rough areas on all types of golf courses.

Perennial ryegrass is the choice of sports ground managers, but it is increasingly used on the golf course where the durability of the sward it produces benefits areas that are under stress from intensive wear.

Our perennial ryegrass varieties combine outstanding aesthetic appearance with strength and durability to produce surfaces that withstand the demands of intensive playing schedules.

Variety	Species	Icons	Areas of Use/Attributes	Sowing Rate	Mowing Height
Penn A1	Creeping Bent		✓ GOLF - GREENS ✓ FINE TURF	5-8g/m ²	3-7mm
Penn A4	Creeping Bent		✓ GOLF - GREENS ✓ FINE TURF		3-7mm
Penn G2	Creeping Bent		✓ GOLF - GREENS ✓ FINE TURF	5-8g/m ²	3-7mm
Penn G6	Creeping Bent		✓ GOLF - GREENS ✓ FINE TURF	5-8g/m ²	3-7mm
Memorial	Creeping Bent		✓ GOLF - GREENS ✓ FINE TURF	5-8g/m ²	3-7mm
Troy	Browntop Bent		✓ GOLF - GREENS ✓ FINE TURF	5-8g/m ²	3-7mm
Compass	Chewings Fescue		✓ GOLF - GREENS, TEES, FAIRWAYS ✓ FINE TURF ✓ LAWNS	20-30g/m ²	3-7mm
Javelin	Slender Creeping Red Fescue		✓ GOLF - GREENS, TEES, FAIRWAYS ✓ FINE TURF ✓ LAWNS	20-30g/m ²	4-25mm
Aurora Gold	Hard Fescue		✓ GOLF - ROUGH, SEMI-ROUGH ✓ LANDSCAPING ✓ LAWNS	20-30g/m ²	Annual harvest
Lisamba	Strong Creeping Red Fescue		✓ GOLF - ROUGH, SEMI-ROUGH ✓ LANDSCAPING ✓ LAWNS	20-30g/m ²	>25mm
Shorty	Perennial Ryegrass		✓ DUAL PURPOSE SPORTS ✓ FOOTBALL ✓ RUGBY ✓ LAWNS ✓ WINTER SPORTS ✓ RACECOURSES	25-35g/m ²	25mm
Vermio	Perennial Ryegrass		✓ FOOTBALL ✓ RUGBY ✓ LAWNS ✓ WINTER SPORTS ✓ RACECOURSES	25-35g/m ²	25mm
Verity	Perennial Ryegrass		✓ SPORTS AND LAWNS WHERE CLOSE MOWING IS REQUIRED	25-35g/m ²	15-25mm
Thermal Blue	Smooth Stalked Meadow Grass		✓ GOLF - TEES, FAIRWAYS ✓ WINTER SPORTS ✓ LAWNS	15-25g/m ²	10-25mm

For further information contact your
Everris Technical Area Sales Manager
or visit www.everris.co.uk | www.everris.ie

Speciality Products

Our speciality products are designed to help you manage areas of landscaping, including tree and shrub plantings. They help create beautiful water features and assist in the effective application of spray treatments.



Speciality Products Contents

LandscaperPro Universtar Balance page 96

Enmag CRF page 97

Osmocote Exact Tablet page 98

Levington TPMC page 99

Sierrablen Flora Tablet page 100

ProCrystal page 102

Black Onyx WSP page 104

Turf Mark Extra page 105

LandscaperPro® Universtar Balance

Universal fertilizer for
use on lawns and borders

Universtar has been developed as a convenient and cost-effective general purpose fertilizer. It contains a balanced blend of nutrients that are designed to give an extended release pattern.

Universtar Balance Benefits

- Ideal general purpose fertilizer
- Nutrients released continuously for 2 - 3 months to encourage healthy balanced turf growth
- Immediate nitrogen ensures a quick response

Product Characteristics

Bag size: 25kg
Bag coverage: 625 - 1250m²
Granule size: 1.0 - 2.5mm
Analysis: 15-5-15 +2CaO +2MgO
(15-2.2 -12.4 +1.4CaO +1.2Mg)

Product Performance*

Granule dispersal: 7 days (visually dispersed from surface)
Turf response: 7 days
Longevity: 2 months

*depending on environmental factors

Areas of Use

- ✓ Lawns
- ✓ Borders



Spreader Settings

Spreader Type	Application Method	Cone Setting	Spreader Width (m)	Application Rate (g/m ²)			
				25	30	35	40
Rotary Spreader SR-2000, Accupro 2000, SR-1 or R8-A	1x pass @ full rate	6	3	L	L ½	M	M ½
	2x pass @ half rate	6	3	1 ½	J	J ½	K
Everris Classic Drop	Single pass	6/38	12	2 ¼	2 ½	3	3 ½

Recommended Period of Use

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

For further information contact your Everris Technical Area Sales Manager or visit www.everris.co.uk | www.everris.ie

Enmag[®] CRF

Controlled release fertilizer for trees and shrubs

One dressing of Enmag CRF applied over the root area of established plants, or incorporated in the soil in the planting hole during transplanting, will provide a continuous supply of essential nutrients throughout the growing season.

Enmag CRF Benefits

- Eliminates the need for repeated fertilizer dressings
- Minimises leaching – even in pure sand
- Longevity: 8 - 9 months
- Versatile feed for use in a wide range of areas

Product Characteristics

Bag size: 25kg
Bag coverage: 180 - 355m²
Analysis: 11-22-9 +6MgO (11-9.6-7.4 +6Mg)



Areas of Use

- ✓ Trees
- ✓ Shrubs



Directions For Use

Shrubs (including ericaceous), Roses and Ground Cover	Dressing	Rate of Use
Lining out, planting, maintenance	Base/top	20 - 50g/m ²
Pit planting - small plants	Base/top	5 - 10g per pit*
Pit planting - medium plants	Base/top	10 - 30g per pit*
Pit Planting - large plants	Base/top	30 - 60g per pit*
Herbaceous Annuals and Perennials	Dressing	Rate of Use
Seed beds for drilled crops, lining out, planting and maintenance	Base/top	25 - 50g/m ²
Trees, Forestry and Ornamentals	Dressing	Rate of Use
Seed beds, lining out	Base	20 - 50g/m ²
Young trees, planting, maintenance	Base/top	30 - 60g/m ²
Christmas trees	Planting/top	35g per plant
Mature trees	Top	60 - 120g/m ²

*Do not exceed 120g/m²

Recommended Period of Use

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

For further information contact your
Everris Technical Area Sales Manager
or visit www.everris.co.uk | www.everris.ie

Osmocote[®] Exact Tablet

Controlled release tablets for hanging baskets and planters

Osmocote Exact Tablets offer growers the chance to give very accurate doses of nutrients in a simple and easy fashion. Due to its cone-like shape, the tablet can be pushed down easily into growing medium.

The tablets are built with an environmentally friendly adhesive which is water soluble. After watering the plants, the tablet falls apart and is locked within the growing medium. This system prevents the roots from pushing the tablet out of the pot.

Osmocote Exact Tablets Benefits

- For hanging baskets and all container-grown plants
- Built with environmentally friendly, water soluble adhesive

Product Characteristics

7.5kg box containing 1,000 x 7.5g tablets that feed continuously for 8 - 9 months

7.5kg box containing 1,500 x 5.0g tablets that feed continuously for 5 - 6 months

Analysis: 5-6M analysis 15-9-12 +2MgO
(15-3.9-10 +2Mg)

8-9M analysis 15-9-11 +2MgO
(15-3.9-9.2 +2Mg)

Areas of Use

- ✓ Container Plants
- ✓ Hanging Baskets



Directions For Use

Hanging Baskets, Tubs and Planters	Osmocote Exact 5g Tablet	Osmocote Exact 7.5g Tablet
6" Hanging pot	1	–
8" Hanging pot	2	1
10" Pot/basket	3	2
11" Hanging basket	4	3
12" Hanging basket	5	4
14" Hanging basket	–	5
16" Planter/basket	–	7
18" Planter/basket	–	9
Window/balcony boxes	1 tablet per 1.5 litres substrate	1 tablet per 2 litres substrate

For further information contact your
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Levington®
TPMC

Compost for tree planting and mulching

Levington TPMC – Tree Planting and Mulching Compost – has been designed to help overcome tree and shrub establishment problems. Formulated with sufficient nitrogen for early growth, together with phosphate, potassium and a full range of trace elements for rapid establishment and healthy growth.

Levington TPMC may be used in the planting hole, as a surface mulch after planting and for general soil improvement. Its pH of around 6.0 makes it suitable for a wide range of shrubs.

Levington TPMC Benefits

- Contains NPK fertilizers – no further mixing necessary
- Retains water, air and nutrients for faster establishment
- Clean and easy to use – no unpleasant odour

Product Characteristics

75 litre bags or loose in bulk by arrangement

Areas of Use

- ✓ Trees
- ✓ Shrubs



Directions For Use

Tree Planting

The amount of Levington TPMC required will vary depending on tree size. For whips allow 1 bag for about 4 - 5 trees; for specimens up to 3m tall allow two bags per tree.

Shrub Planting

Apply one bag of Levington TPMC per 5 - 6m² equivalent to 1,700 - 2,000 bags per hectare. Spread evenly and fork or rotovate into the top 10cm of soil.

For further information contact your
Everris Technical Area Sales Manager
or visit www.everris.co.uk | www.everris.ie

Sierrablen® Flora Tablet

Controlled release fertilizer for trees and shrubs

The resin coating around each prill controls the daily nutrient release. Almost all the NPK is slowly made available for uptake by the plant and not lost into drains, ponds or ditches. The tablets are designed for use around pot-grown and field-grown trees, shrubs, newly planted stock and other soil-grown crops.

Sierrablen Flora Tablet Benefits

- Available as moulded tablets
- Feeds plants for two years from one application
- Predictable and reliable nutrient release



Product Characteristics

Pack size: 7kg
Analysis: 15-9-9 +3Mg (15-3.9-7.5 +1.8Mg)

Areas of Use

- ✓ Trees
- ✓ Shrubs



Directions For Use

Trees	Tree Height (cm)	No of 15g Tablets Required Per Plant	Quantity of Granules Required Per Plant (grams)
Transplant	30 - 120	2 per plant	30
Whip	120 - 250	3 per plant	45
Feathered	180 - 300	4 per plant	60
Light Standard	250 - 275	4 per plant	60
Standard	275 - 300	5 per plant	75
Select Standard	300 - 360	7 per plant	105
Heavy Standard	360 - 425	8 per plant	120
Ext. Heavy Standard	425 - 500	10 per plant	150
Semi-mature	16 - 18cm girth	11 per plant	165
Semi-mature	18 - 20cm girth	12 per plant	180
Semi-mature	20 - 22cm girth	14 per plant	210
Semi-mature	22 - 24cm girth	15 per plant	225
Semi-mature	24 - 26cm girth	16 per plant	240
Shrubs	Tree Height (cm)	No of 15g Tablets Required Per Plant	Quantity of Granules Required Per Plant (grams)
1	10 - 20	1 per plant	15
2 - 3	20 - 40	2 per plant	30
5	40 - 60	3 per plant	45
10	60 - 80	4 per plant	60
15	80 - 100	5 per plant	75
25	100+	5 per plant	75

For further information contact your
Everris Technical Area Sales Manager
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ProCrystal®

For eco-friendly algae control in slow-moving water or lakes/ponds

ProCrystal is designed to control swimming or floating unicellular and filamentous algae found in ponds or enclosed expanses of water.

These algae develop in nutrient rich waters and are the main cause of oxygen depletion of the water following their decay. Apart from the aesthetic unpleasantness caused, they create a physical obstacle to activities such as irrigation, water sports, fishing or fish farming.

ProCrystal Benefits

- Improves the clarity of water within days
- Restores the natural balance of the target environment
- Available in hydrosoluble single-dose sachets for ease of application
- Keeps irrigation ponds free from algae

Product Characteristics

Pack size: 454g water-soluble sachets
Packs per outer: Nine sachets in one bucket
Pack coverage: Variable
Analysis: Inert powder inoculated by 6 strains of class 1 bacteria

Areas of Use

- ✓ Lakes
- ✓ Ponds



Scatter the water-soluble sachets uniformly over target area



0 days after treatment with ProCrystal



5 days after treatment with ProCrystal



14-21 days after treatment with ProCrystal

Mode of Action

ProCrystal quickly consumes and degrades the excess nitrogen (nitrates and ammoniacal nitrogen) and phosphates that algae feed on to develop. The algae die swiftly after treatment by being deprived of the nourishment essential to their development.

Treatment Period

It is preferable to apply ProCrystal when algae start to develop or when conditions are suitable for their proliferation, generally from spring to the end of summer, and even early autumn.

Conditions for Use

Once applied, ProCrystal rapidly spreads throughout the volume of water. Continue applications to maintain water clarity throughout the desired period and when conducive to infestation.

Dose and Application

ProCrystal is used by distributing the unopened sachets uniformly on the surface of the water. It may be applied from the water's edge or from a boat. The sachets should be thrown directly onto the surface of the water requiring treatment.



Application Rate

Depth	Application	Frequency	Dose per 100m ²
< 1m	Initial application*	Every 30 days	300g
	Maintenance application**	Every 30 - 60 days	120g
> 1m	Initial application*	Every 30 days	500g
	Maintenance application**	Every 30 - 60 days	200g

*Continue applications until desired results are achieved.

**Continue applications to maintain desired appearance of water system throughout the growing season.

Recommended Period of Use

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

For further information contact your
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or visit www.everris.co.uk | www.everris.ie



Black Onyx™ WSP

Black water colourant for lakes and ponds

Black Onyx WSP is a water colourant that helps create the natural look of black water in lakes and ponds. It is a blend of non-toxic pigments that also creates an environment that is unfavourable for algae formation by reflecting ultra-violet light.

Black Onyx has been extensively tested and is safe to use in the environment. It is non-toxic to humans, wild fauna, water fowl, fish and aquatic organisms. Water treated with the product may be used for irrigation to turf areas and will not harm or stain the turf.

Black Onyx WSP Benefits

- Creates an unfavourable environment for algae formation
- Instantly transforms pale water into a mirror-effect black colour
- Non-toxic and environmentally safe

Product Characteristics

Pack size: 16 water-soluble packets

Application Rate

Dose rate: 5 water-soluble packets per hectare

Directions For Use

This product should not be applied to streams, rivers, outflows or water not completely controlled by the user.

Areas of Use

- ✓ Lakes
- ✓ Ponds



For further information contact your
Everris Technical Area Sales Manager
or visit www.everris.co.uk | www.everris.ie

Turf Mark[®] Extra

Spray pattern indicator with water conditioner and anti-drift agent

Turf Mark Extra is a blue spray pattern indicator dye that can be used with all standard spray equipment including walkover and knapsack sprayers.

It mixes quickly and easily in the spray tank, and there is no residue likely to block nozzles. Turf Mark Extra is a temporary colourant, disappearing in 1-2 days irrespective of the weather, and will not permanently stain hands, clothing or equipment.

Turf Mark Extra Benefits

- Clearly indicates treated areas as well as identifying leaks in spray equipment
- Water conditioner and anti-drift agent
- Advanced formulation with ultra-low stain properties
- Can be used with any type of spray equipment

Product Characteristics

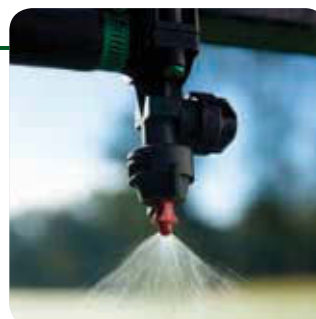
Pack size: 10 litre
 Packs per outer: 1 x 10 litre
 Pack coverage: One pack dyes up to 8,000 litres of solution

Application Rate

Dose rate: 250 - 500ml in 200 litres of water

Areas of Use

- ✓ Can be used with all spray applications



Recommended Period of Use

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

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 or visit www.everris.co.uk | www.everris.ie



Technical Information

The demand for better quality playing surfaces has never been higher

At Everris our focus is to deliver the best and most professional advice in the industry. Our reputation is built not just on quality products but also on the advice and technical support we give to our customers.

A photograph of two men on a golf course. One man is crouching on the grass, holding a small white card and a pen, writing on a piece of paper. The other man is standing next to a yellow soil testing device, holding its handle. The device is a vertical yellow post with a sensor at the bottom. The background shows a green golf course with a sand trap and trees.

Technical Information Contents

Spreaders	page 108
Spreader Setting Guidelines	page 110
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Ready Reckoner	page 114

Spreaders

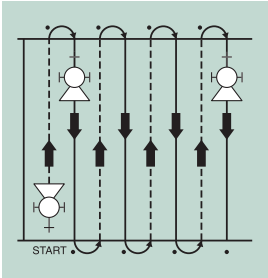
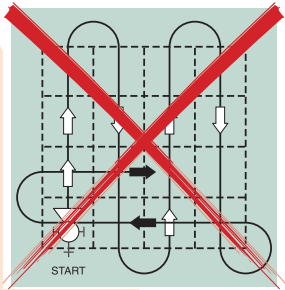
To get the very best results from your fertilizer, accurate application is essential

Everris spreaders are durable, easy-to-use, and offer turf managers the very best in application efficiency.

Spreader Index

Spreader	Type	Spread Width	Hopper Capacity	Product Usage				
				Conventional Fertilizers	Coated Fertilizers	Granular Wetting Agents	Seeds	Top Dressing
SR-2000	Rotary	2.0 - 6.0m	42 litres	✓	✓	✓		✓
AccuPro 2000	Rotary	2.0 - 6.0m	42 litres	✓	✓	✓		✓
SS-2	Drop	0.91m	46 litres	✓		✓	✓	✓
Classic Drop Spreader	Drop	0.55m	30 litres	✓		✓	✓	
HandyGreen II	Handheld	Variable	2 litres	✓	✓	✓		

Walking Pattern



Recommended walking pattern for drop and hand-held spreaders. Optimum distribution at half rate and double pass.

Helical Cone®



Optimal spreading due to the patented Helical Cone.



Top fertilizers need top spreaders

AccuPro 2000

Rotary Spreader

- 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



SR-2000

Rotary Spreader

Has all the features of the AccuPro 2000 Rotary Spreader plus:

- Larger 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



SS-2

Drop Spreader

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



Classic Drop Spreader

Drop Spreader

- Top-selling drop spreader with a 22-inch spread pattern holds 10,000 square feet of fertilizer



HandyGreen II

Spreader

- A hand-held spreader that disperses fertilizers as you turn the handle. Comfortable to hold and easy to use, it is suitable for small to medium lawns



For further information contact your
Everris Technical Area Sales Manager
or visit www.everris.co.uk | www.everris.ie

Spreader Setting Guidelines

To help with the accurate application of your fertilizer dressings

These recommended spreader settings are given for a walking speed of approximately 5km/hr. These settings are for guidance only.

Exact rates, using the settings here, cannot be guaranteed – rates depend on the spreader itself and accuracy of the operator. Calibrate the spreader at regular intervals, including effective spreading width.

Drop Spreader Settings for SS-1 and SS-2 Single Pass at **FULL RATE**

		Amount of Product Applied (g/m ²) After One Pass										
		5	10	15	20	25	30	35	40	45	50	55
Greenmaster Pro-Lite	All Analyses		3¾	4	4½	5	5¼	5½	6	6¼	6½	
Greenmaster Organic	All Analyses		4¼	4¾	5	5½	6	6¼	6½	6¾	7¼	
Sportsmaster	All Analyses (not including CRF Range)		3¾	4	4½	5	5¼	5½	6	6¼	6½	
Sportsmaster Organic	High N		4	5	6	7	8	9	10	11	12	
SierraformGT	All Analyses		3¼	3¾	4¼	4¾	5¼	5¾	6¼	6½		
STEP Hi-Mag	Trace Elements	2	2¾	3½								
H ₂ Pro	Granules		3¾	4¼	4¾							

Drop Spreader Settings for Classic Drop Spreader Single Pass at **FULL RATE**

		Amount of Product Applied (g/m ²) After One Pass										
		20	25	30	35	40	45	50	55	60	65	70
SierraformGT	All Analyses	4.0		5.0	6.0							
SierrablenPlus	All Analyses				6.75		7.25					
Sierrablen	All Analyses				13.0		14.5			12.5 (x2)		
H ₂ Pro	Wetting Agent	6.25										

	Cone Setting	Effective Width	Amount of Product Applied (g/m ²) After One Pass														Amount of Product Applied (g/m ²) After Two Passes													
			5	10	15	20	25	30	35	40	45	50	55	60	65	70	5	10	15	20	25	30	35	40	45	50	55	60	65	70
SierraformGT																														
All Analyses	6	3.7		I½	K	L	M	M½											H	I½	J½	K								
STEP																														
STEP Hi-Mag	7	4.3	H	I½	K½												G½	H	I											
Greenmaster Pro-Lite																														
All Analyses	6	3.7						M	N												J½	K								
Greenmaster Organic																														
All Analyses	9	4.0							O	P	P½											L½	M	M½						
Sportsmaster																														
All Analyses	4	3.7			L	M	N	O½	P½	Q	R	S	T	U	V	W						L	L½	M	M½	N	O	O½	P	P½
ProTurf																														
All Analyses	6	5.0				N½	O½	P	Q½											K½	L	M	N							
Sportsmaster Organic																														
S'master Organic High N	3	5.5								V	X	R(x2)										P	Q	R						
S'master OrganiCRF	4	3.5					Q½	R½	T	U½	Q(x2)									N	O	O½	P½	Q						
N Control																														
SierrablenPlus																														
All Analyses	4	4.8			M	N	O	P	R	S	T								K	K½	L	M	M½	N	N½	O				
Sierrablen																														
All Analyses	4	4.7					Q	R½	T½	V	X	Q(x2)	R(x2)	R½(x2)							M	N	O	O½	P	Q	R	R½		
H ₂ Pro																														
H ₂ Pro Granules	5	4.0		J	K½	M													H½	I	J									
Greenmaster																														
Greenmaster Topdress Z	7	3.0			L	M	N	O	P	Q	R	R½	S½	T½	V½				J	J½	K	L	L½	M	M½	N	N½	O	O½	

Rotary Spreader Settings for
AccuPro 2000, SR-2000, SR-1, R8-A
Single Pass at **FULL RATE**

Rotary Spreader Settings for
AccuPro 2000, SR-2000, SR-1, R8-A
Double Pass at **HALF RATE**

For further information contact your
Everris Technical Area Sales Manager
or visit www.everris.co.uk | www.everris.ie

Tank-Mix Table

Guidance notes for tank-mix compatibility of Everris and Syngenta liquid formulations

1 Do not exceed individual product rates. Do not exceed 120 L/ha for combined total Greenmaster Liquid product input or 60 L/ha for speciality Greenmaster Liquids (STEP/Effect Iron Fe/Ca-Booster).

2 Do not exceed individual product rates. Do not exceed 30 kg/ha for combined total Sportsmaster WSF product input for foliar applications (water volumes of 300 - 600 L/ha) or 60 kg/ha for drench applications (water volumes of 600 - 1,000 L/ha).

() = Numbers in brackets indicate compatible water volumes (L/ha) for both products in mix.

✗ = Not compatible / not appropriate water volumes.

Compatibility and Water Volumes

				Greenmaster Liquid ¹							
				High N	Spring & Summer	NK	High K	STEP Liquid	Effect Iron Fe	Ca-Booster	
Liquid Fertilizers	Greenmaster Liquid ¹	High N	25-0-0	(400 - 1,000)	(400 - 1,000)	(400 - 1,000)	(400 - 1,000)	(400 - 1,000)	(600 - 1,000)	✗	
		Spring & Summer	12-4-6	(400 - 1,000)	(400 - 1,000)	(400 - 1,000)	(400 - 1,000)	(400 - 1,000)	✗	✗	
		NK	10-0-10	(400 - 1,000)	(400 - 1,000)	(400 - 1,000)	(400 - 1,000)	(400 - 1,000)	(600 - 1,000)	✗	
		High K	3-3-10	(400 - 1,000)	(400 - 1,000)	(400 - 1,000)	(400 - 1,000)	(400 - 1,000)	(600 - 1,000)	✗	
		STEP Liquid	Chelated TE	(400 - 1,000)	(400 - 1,000)	(400 - 1,000)	(400 - 1,000)	(400 - 1,000)	(600 - 1,000)	✗	
		Effect Iron Fe	6.9Fe	(600 - 1,000)	✗	(600 - 1,000)	(600 - 1,000)	(600 - 1,000)	(600 - 1,000)	✗	
		Ca-Booster	08-0-0 + Ca	✗	✗	✗	✗	✗	✗	✗	
Water Soluble Fertilizers	Sportsmaster WSF ²	High N	35-0-14 + Fe	(400 - 1,000)	(400 - 1,000)	(400 - 1,000)	(400 - 1,000)	(400 - 1,000)	(600 - 1,000)	✗	
		High P	16-32-16 + Zn	(400 - 1,000)	(400 - 1,000)	(400 - 1,000)	(400 - 1,000)	(400 - 1,000)	(600 - 1,000)	✗	
		High K	15-0-43 + Fe	(400 - 1,000)	(400 - 1,000)	(400 - 1,000)	(400 - 1,000)	(400 - 1,000)	(600 - 1,000)	✗	
		Sierrasol Iron	20%Fe	(900)	(900)	(900)	(900)	(900)	✗	✗	
		Seamax	4-0-15	(400 - 1,000)	(400 - 1,000)	(400 - 1,000)	(400 - 1,000)	(400 - 1,000)	✗	✗	
BioStimulant	Vitalnova	Blade	Biostimulant	(400 - 1,000)	(400 - 1,000)	(400 - 1,000)	(400 - 1,000)	(400 - 1,000)	(600 - 1,000)	✗	
Wetting Agents	H ₂ Pro	Conserve		(600 - 900)	(600 - 900)	(600 - 900)	(600 - 900)	(600 - 900)	(600 - 900)	✗	
		Maximise		(400 - 500)	(400 - 500)	(400 - 500)	(400 - 500)	(400 - 500)	✗	✗	
	Qualibra			(400 - 1,000)	(400 - 1,000)	(400 - 1,000)	(400 - 1,000)	(400 - 1,000)	(600 - 1,000)	✗	
Plant Growth Regulator	Primo Maxx			(400 - 600)	(400 - 600)	(400 - 600)	(400 - 600)	(400 - 600)	(600)	✗	
Herbicides	Re-Act Ultra			(400 - 500)	(400 - 500)	(400 - 500)	(400 - 500)	(400 - 500)	✗	✗	
	Praxys			✗	✗	✗	✗	✗	✗	✗	
	Jewel			(500)	(500)	(500)	(500)	(500)	✗	✗	
	Rescue			✗	✗	✗	✗	✗	✗	✗	
Fungicides	Heritage Maxx			(400 - 1,000)	(400 - 1,000)	(400 - 1,000)	(400 - 1,000)	(400 - 1,000)	(600 - 1,000)	✗	
	Medallion TL			(400 - 500)	(400 - 500)	(400 - 500)	(400 - 500)	(400 - 500)	✗	✗	
	Banner Maxx			(400 - 1,000)	(400 - 1,000)	(400 - 1,000)	(400 - 1,000)	(400 - 1,000)	(600 - 1,000)	✗	
	Headway			(400 - 1,000)	(400 - 1,000)	(400 - 1,000)	(400 - 1,000)	(400 - 1,000)	(400 - 1,000)	✗	
	Instrata			(500 - 1,000)	(500 - 1,000)	(500 - 1,000)	(500 - 1,000)	(500 - 1,000)	(600 - 1,000)	✗	

	Sportsmaster WSF 2					Biostimulants	Wetting Agents			PGR	Herbicides				Fungicides				
	High N	High P	High K	Sierrasol Iron	Seamax	Vitalnova Blade	H_Pro Conserve	H_Pro Maximise	Qualibra	Primo Maxx	Re-Act Ultra	Praxys	Jewel	Rescue	Heritage Maxx	Medallion TL	Banner Maxx	Headway	Instrata
	(400 - 1,000)	(400 - 1,000)	(400 - 1,000)	(900)	(400 - 1,000)	(400 - 1,000)	(600 - 900)	(400 - 500)	(400 - 1,000)	(400 - 600)	(400 - 500)	✗	(500)	✗	(400 - 1,000)	(400 - 500)	(400 - 1,000)	(400 - 1,000)	(500 - 1,000)
	(400 - 1,000)	(400 - 1,000)	(400 - 1,000)	(900)	(400 - 1,000)	(400 - 1,000)	(600 - 900)	(400 - 500)	(400 - 1,000)	(400 - 600)	(400 - 500)	✗	(500)	✗	(400 - 1,000)	(400 - 500)	(400 - 1,000)	(400 - 1,000)	(500 - 1,000)
	(400 - 1,000)	(400 - 1,000)	(400 - 1,000)	(900)	(400 - 1,000)	(400 - 1,000)	(600 - 900)	(400 - 500)	(400 - 1,000)	(400 - 600)	(400 - 500)	✗	(500)	✗	(400 - 1,000)	(400 - 500)	(400 - 1,000)	(400 - 1,000)	(500 - 1,000)
	(400 - 1,000)	(400 - 1,000)	(400 - 1,000)	(900)	(400 - 1,000)	(400 - 1,000)	(600 - 900)	(400 - 500)	(400 - 1,000)	(400 - 600)	(400 - 500)	✗	(500)	✗	(400 - 1,000)	(400 - 500)	(400 - 1,000)	(400 - 1,000)	(500 - 1,000)
	(400 - 1,000)	(400 - 1,000)	(400 - 1,000)	(900)	(400 - 1,000)	(400 - 1,000)	(600 - 900)	(400 - 500)	(400 - 1,000)	(400 - 600)	(400 - 500)	✗	(500)	✗	(400 - 1,000)	(400 - 500)	(400 - 1,000)	(400 - 1,000)	(500 - 1,000)
	(600 - 1,000)	(600 - 1,000)	(600 - 1,000)	✗	✗	(600 - 1,000)	(600 - 900)	✗	(600 - 1,000)	(400 - 600)	✗	✗	✗	✗	(600 - 1,000)	(400 - 500)	(600 - 1,000)	(400 - 1,000)	(600 - 1,000)
	✗	✗	✗	✗	✗	✗	✗	✗	(400 - 1,000)	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
		(300 - 1,000)	(300 - 1,000)	(900)	(300 - 1,000)	(600 - 1,000)	(600 - 900)	(300 - 500)	(400 - 1,000)	(300 - 600)	(300 - 500)	✗	(300 - 500)	✗	(300 - 1,000)	(300 - 500)	(400 - 1,000)	(300 - 1,000)	(500 - 1,000)
	(300 - 1,000)		(300 - 1,000)	(900)	(300 - 1,000)	(600 - 1,000)	(600 - 900)	(300 - 500)	✗	(300 - 600)	(300 - 500)	✗	(300 - 500)	✗	(300 - 1,000)	(300 - 500)	(400 - 1,000)	(300 - 1,000)	(500 - 1,000)
	(300 - 1,000)	(300 - 1,000)		(900)	(300 - 1,000)	(600 - 1,000)	(600 - 900)	(300 - 500)	✗	(300 - 600)	(300 - 500)	✗	(300 - 500)	✗	(300 - 1,000)	✗	(400 - 1,000)	(300 - 1,000)	(500 - 1,000)
	(900)	(900)	(900)		✗	(900)	✗	✗	✗	✗	✗	✗	✗	✗	(900 - 1,000)	✗	(900 - 1,000)	(900 - 1,000)	(900 - 1,000)
	(300 - 1,000)	(300 - 1,000)	(300 - 1,000)	✗		(400 - 1,000)	(600 - 900)	(400 - 900)	(400 - 1,000)	(400 - 600)	✗	✗	✗	✗	✗	✗	✗	✗	✗
	(600 - 1,000)	(600 - 1,000)	(600 - 1,000)	(900)	(400 - 1,000)		(600 - 900)	(250 - 500)	(400 - 1,000)	(400 - 600)	(400 - 500)	(200)	(500)	✗	(200 - 1,000)	(400 - 500)	(400 - 1,000)	(400 - 1,000)	(500 - 1,000)
	(600 - 900)	(600 - 900)	(600 - 900)	✗	(600 - 900)	(600 - 900)		✗	✗	(600)	✗	✗	✗	✗	(600 - 900)	✗	(600 - 900)	(600 - 900)	(600 - 900)
	(300 - 500)	(300 - 500)	(300 - 500)	✗	(400 - 900)	(250 - 500)	✗		✗	(400 - 500)	✗	✗	✗	✗	(250 - 500)	(400 - 500)	(400 - 500)	(400 - 500)	(500)
	(400 - 1,000)	✗	✗	✗	(400 - 1,000)	(400 - 1,000)	✗	✗		✗	✗	✗	✗	✗	(400 - 1,000)	(400 - 500)	(400 - 600)	(400 - 600)	(500 - 1,000)
	(300 - 600)	(300 - 600)	(300 - 600)	✗	(400 - 600)	(400 - 600)	(600)	(400 - 500)	✗		(300 - 600)	✗	(500)	✗	(300 - 600)	(400 - 500)	(400 - 600)	(400 - 600)	(500 - 600)
	(300 - 500)	(300 - 500)	(300 - 500)	✗	✗	(400 - 500)	✗	✗	✗	(300 - 500)		✗	✗	✗	✗	✗	✗	✗	✗
	✗	✗	✗	✗	✗	(200)	✗	✗	✗	✗	✗		✗	✗	✗	✗	✗	✗	✗
	(500)	(500)	(500)	✗	✗	(500)	✗	✗	✗	(500)	✗	✗		✗	✗	✗	✗	✗	✗
	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗		✗	✗	✗	✗	✗
	(300 - 1,000)	(300 - 1,000)	(300 - 1,000)	(900 - 1,000)	✗	(200 - 1,000)	(600 - 900)	(400 - 500)	(400 - 1,000)	(300 - 600)	✗	✗	✗	✗		(125 - 500)	(400 - 1,000)	✗	✗
	(300 - 500)	(300 - 500)	✗	✗	✗	(400 - 500)	✗	(400 - 500)	(400 - 500)	(400 - 500)	✗	✗	✗	✗	(125 - 500)		✗	✗	✗
	(400 - 1,000)	(400 - 1,000)	(400 - 1,000)	(900 - 1,000)	✗	(400 - 1,000)	(600 - 900)	(400 - 500)	(400 - 1,000)	(400 - 600)	✗	✗	✗	✗	(400 - 1,000)	✗		✗	✗
	(300 - 1,000)	(300 - 1,000)	(300 - 1,000)	✗	✗	(400 - 1,000)	(600 - 900)	(400 - 500)	(400 - 1,000)	(400 - 600)	✗	✗	✗	✗	✗	✗	✗		✗
	(500 - 1,000)	(500 - 1,000)	(500 - 1,000)	(900 - 1,000)	✗	(500 - 1,000)	(600 - 900)	(500)	(500 - 1,000)	(500 - 600)	✗	✗	✗	✗	✗	✗	✗	✗	

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Ready Reckoner

Nutrient application from granular fertilizers

Nutrient Calculations

Nutrient application from granular fertilizers

Calculation of amount of nutrient applied from declared analyses and treatment rate. The fertilizer declarations are always expressed as % weight by weight, with nutrients being declared in the oxide form in the UK.

Therefore, a 14-5-10 fertilizer contains:

- 14% w/w N
- 5% w/w P₂O₅
- 10% w/w K₂O

Granular fertilizers

For calculating nutrient inputs for granular fertilizer, use the following formula:

Application rate (kg/ha) x (% nutrient/100)
= kg nutrient/ha

Example: 14-0-0 @ 35g/m²
Convert application rate from g/m² to kg/ha
(i.e. 35g/m² x 10 = 350 kg/ha)
Multiply product rate (kg/ha) by % N content
(i.e. 14% N = 0.14) = kg N per ha
(i.e. 350 x 0.14 = 49kg N/ha)

Liquid fertilizers

In order to calculate the nutrient inputs from Greenmaster Liquid fertilizers, you need to use the Specific Gravity (kg/litre) of the particular product being used.

- Specific Gravity (SG) of:
- NK 1.23
- High N 1.31
- Spring & Summer 1.18
- High K 1.18
- Ca Booster 1.32
- STEP Liquid 1.15
- Effect Iron Fe 1.25
- Vitalnova Blade 1.36

For calculating nutrient inputs for liquid fertilizers, use the following formula:

Application rate (L/ha) x Specific Gravity (SG)
x (% nutrient/100) = kg nutrient/ha

Example: 12-4-6 @ 60 L/ha (SG = 1.18 kg/L)
Convert application rate from L/ha to kg/ha
(i.e. 60 L/ha 1.18 = 70.8 kg/ha)
Multiply product rate (kg/ha) by % N content
(i.e. 12% N = 0.12) = kg N per ha
(i.e. 70.8 x 0.12 = 8.5kg N/ha)

Ready Reckoner

Nutrient Analysis %N, P ₂ O ₅ , K ₂ O etc. Declared	Kg Nutrient/ha Applied at These Application Rates					
	20 g/m ²	30 g/m ²	35 g/m ²	70 g/m ²	105 g/m ²	140 g/m ²
1	2.0	3.0	3.5	7.0	10.5	14.0
2	4.0	6.0	7.0	14.0	21.0	28.0
3	6.0	9.0	10.5	21.0	31.5	42.0
4	8.0	12.0	14.0	28.0	42.0	56.0
5	10.0	15.0	17.5	35.0	52.5	70.0
6	12.0	18.0	21.0	42.0	63.0	84.0
7	14.0	21.0	24.5	49.0	73.5	98.0
8	16.0	24.0	28.0	56.0	84.0	112.0
9	18.0	27.0	31.5	63.0	94.5	126.0
10	20.0	30.0	35.0	70.0	105.0	140.0
11	22.0	33.0	38.5	77.0	115.5	154.0
12	24.0	36.0	42.0	84.0	126.0	168.0
13	26.0	39.0	45.5	91.0	136.5	182.0
14	28.0	42.0	49.0	98.0	147.0	196.0
15	30.0	45.0	52.5	105.0	157.5	210.0
16	32.0	48.0	56.0	112.0	168.0	224.0
17	34.0	51.0	59.5	119.0	178.5	238.0
18	36.0	54.0	63.0	126.0	189.0	252.0
19	38.0	57.0	66.5	133.0	199.5	266.0
20	40.0	60.0	70.0	140.0	210.0	280.0
21	42.0	63.0	73.5	147.0	220.5	294.0
22	44.0	66.0	77.0	154.0	231.0	308.0
23	46.0	69.0	80.5	161.0	241.5	322.0
24	48.0	72.0	84.0	168.0	252.0	336.0
25	50.0	75.0	87.5	175.0	262.5	350.0

Note: 35 per m² = 350kg per ha =
1 oz. per sq yd = 2.7 cwt per acre
Note: 50kg per ha = 0.38 cwt per acre
= 43lbs per acre
Note: 1kg per ha = 0.86lbs per acre

Ounces per square yard to grammes per square metre

oz per sq.yd	¼	½	1	2	3	4	5	6	7	8	9	10	15	20
g per m ²	8.5	17	34	68	102	136	170	204	238	272	306	340	510	680

Fluid ounces per square yard to millilitres per square metre

fl.oz per sq.yd	¼	½	1	2	3	4	5	6	7	8	9	10	15	20
ml per m ²	8.5	17	34	68	102	136	170	204	238	272	306	340	510	680

Weight

Weight	pounds	to kilogrammes	divide by	2.205	kilogrammes	to pounds	multiply by	2.205
	tonnes	to tonnes	multiply by	1.016	tonnes	to tonnes	divide by	1.016
	cwts	to kilogrammes	multiply by	50.794	kilogrammes	to cwts	divide by	50.794
Area	acres	to hectares	divide by	2.471	hectares	to acres	multiply by	2.471
	square yards	to square metres	multiply by	0.8361	square metres	to square yards	divide by	0.8361
Volume	pints	to litres	multiply by	0.568	litres	to pints	divide by	0.568
	litres	to gallons	divide by	4.546	gallons	to litres	multiply by	4.546
Weight/Area	tonnes/acre	to tonnes/hectare	multiply by	2.51	tonnes/hectare	to tonnes/acre	divide by	2.51
	cwts/acre	to tonnes/hectare	divide by	8.00	tonnes/hectare	to cwts/acre	multiply by	8.00
	cwts/acre	to kilogrammes/hectare	multiply by	125.00	kilogrammes/hectare	to cwts/acre	divide by	125.00
Volume/Acre	pints/acre	to litres/hectare	divide by	0.712	litres/hectare	to pints/acre	multiply by	0.712
	gallons/acre	to litres/hectare	multiply by	11.233	litres/hectare	to gallons/acre	divide by	11.233
	lbs/cu.ft	to kg/cu.m	multiply by	16.052	kg/cu.m	to lbs/cu.ft	divide by	16.052

Length	1 metre (100cm)	3.281 feet
		1.094 yards
Area	square metres	1.196 square yards
	1 hectare (10,000m ²)	2.471 acres
Volume	1 litre (1,000 ml)	35.211 fluid ounces
		1.76 pints
Weight	1 gramme	0.0353 ounces
	1 kilogramme	35.2074 ounces
		2.205 lbs
Temperature	Degree Centigrade (°C) to Degree Fahrenheit (°F) multiply by 1.8 and add 32	

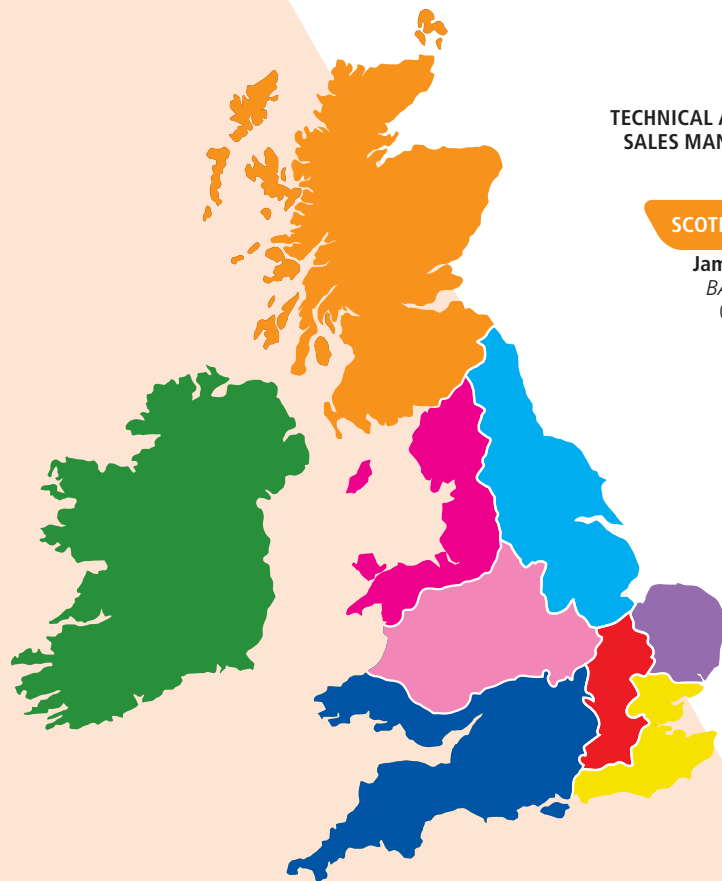
Typical Areas of Use

Golf Green		365 - 640m ²	400 - 700 sq.yds
Bowling Green		38.4 x 38.4m 42.0 x 42.0 sq.yds	1,475m ² 1,764 sq.yds
Cricket Square		27.4 x 27.4m 30.0 x 30.0 yds	752m ² 900 sq.yds
Tennis Court	(reg)	23.8 x 11.0m 26.0 x 12.0 yds	262m ² 312 sq.yds
	(full)	36.6 x 18.3m 40.0 x 20.0 yds	670m ² 800 sq.yds
Lacrosse		137.0 x 73.0m 150.0 x 80.0 yds	10,001m ² 12,000 sq.yds
Football Pitch	(small)	91.4 x 46.0m 100.0 x 50.0 yds	4,204m ² 5,000 sq.yds
	(large)	119.0 x 91.4m 130.0 x 100 yds	10,877m ² 13,000 sq.yds
Rugby Pitch		100.0 x 69.0m 110.0 x 75.0 yds	6,900m ² 8,250 sq.yds
Hockey Pitch	(small)	91.4 x 50.0m ² 100.0 x 55.0 yds	4,570m ² 5,500 sq.yds
	(large)	91.4 x 55.0m ² 100.0 x 60.0 yds	5,027m ² 6,000 sq.yds
Croquet		32.0 x 26.0m ² 35.0 x 28.0 yds	832m ² 980 sq.yds

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Turf & Amenity Sales Team

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