



NUTURF®

GREENSPEC™

• *Second to None* •

Bioactive Fertilisers for Fine Cut Turf

PRODUCT RANGE GUIDE



For more information contact your
local Nuturf Territory Manager on
1800 631 008 or visit www.nuturf.com.au



NUTURF®

SPECIALISTS PROVIDING SOLUTIONS

Superior Bioactive Fertilisers for First Class Results in

Fine Cut TURF

Nuturf GreenSpec Range is a unique range of bioactive, homogenous fertiliser developed in the US specifically for use in high quality turf situations. The GreenSpec line has been engineered by some of the world's most acclaimed turf managers to fulfil the international turf industry's need for a quality range of plant and soil active fertilisers and amendments that encourage vigorous and sustainable growth in any climate. The NPK products in the Australian GreenSpec Range are developed using proprietary protein derived nitrogen, kelp and soybean meal and a unique sucrate source of trace elements for optimised nutrient uptake, plant use and soil stimulation.

- Premium quality homogenous fertilisers
- 100SGN water-dispersible granule for highly uniform application
- Sucrate chelated micro nutrients for enhanced availability and uptake
- Low burn formulations – excellent plant safety
- Unique protein based nitrogen and phosphorus source
- Kelp, Humic Acid and Fulvic Acid in all NPK formulations
- Superior quality – made in Canada from the premium ingredients
- Internationally recognised brand

Products	Seven Iron 7-3-6-3 + 7% Fe	Turf Rally 16-2-6-3 + TE	Endurance 8-2-13-3 + TE	S-K Balance 0-0-20 + 11% Ca	All Natural Organic 6-1-5 + 6% Ca
Nitrogen (N)	7.0	16.0	8.0	0	6.05
Phosphorus (P)	3.0	1.7	1.7	0	0.6
Potassium (K)	6.0	6.6	13.2	20	4.7
Sulphur (S)	7.0	3.0	6.0	16	1.7
Calcium (Ca)	7.0	6.0	8.0	11	6.3
Iron (Fe)	7.0	3.0	3.0	0	0
Manganese (Mn)	1.5	0.2	0.15	0	0
Zinc (Zn)	0.2	0.1	0.1	0	0
Humic Acid	3.2	3.2	3.2	0	0
Kelp Meal	✓	✓	✓	✓	✓



■ Internationally Acclaimed

The GreenSpec brand is a trademark of Grigg Bros® USA, one of the world's leading developers of premium turf specific nutrition products. The Nuturf GreenSpec Range is manufactured for Nuturf in Canada, by Grigg Bros® USA, and as such the quality of these products is second to none.

■ Protein-based Nutrition Technology

The nitrogen and phosphorus components in the GreenSpec Range are derived from specially processed natural proteins from a similar source as those used in bodybuilding supplements. The protein by-products contained in GreenSpec fertilisers differ from those found in other fertiliser products due to the different extraction process used in production. Less heat is used and specialised enzymes are included in the process to give the material soluble qualities. This increased solubility leads to rapid water dispersion following application resulting in optimised nutrient availability to the turfgrass plant. The gentle extraction process leaves amino acids intact, allowing them to chelate trace elements within the rhizosphere (root/soil interface), and to act in a hormonal capacity within the plant itself.

This protein based mechanism of nutrient release results in superior efficiency of applied nitrogen and therefore exceptional plant response over several weeks. Research by Sartain JB (2009) revealed that when compared to other slowly available nitrogen sources the GreenSpec's unique protein derived nitrogen source resulted in the highest turf quality rating at 21 days after treatment.

Additionally, significantly more nitrogen was recovered from turf treated with GreenSpec 16-4-8 when compared with other treatments (see below graph).

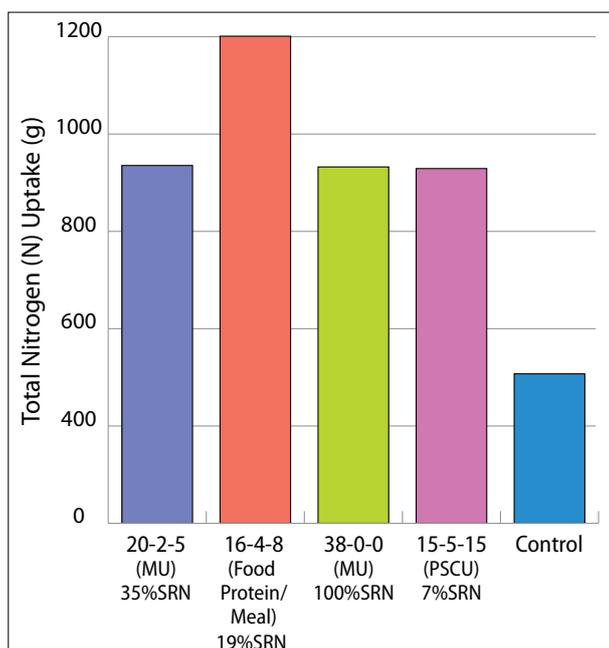


Figure 1: Evaluation and Comparison of Slow-Release Nitrogen (N) Sources on Tifway Bermudagrass (2009), Sartain, J.B., University of Florida



Salt formations at The Great Salt Lake, Utah USA

■ Great Salt Lake Potassium Source

All potassium in the GreenSpec products comes from the waters of the Great Salt Lake in Utah, USA. After evaporation the natural minerals are separated using nothing more than hot water. This is potassium in its purest, most natural form; no chloride, no heavy metals and a low salt index. This product is certified by the US Department of Agriculture as an input in organic food production.

■ Sucrate Trace Element Chelation

Trace elements are present in part in a sucrate chelated form. Sucrates are natural chelating agents that increase the availability of the nutrient to the plant. Being carbohydrate based, sucrates also provide an energy source for beneficial soil microbes that break down the chelation bonds to consume the carbon and release the coupled nutrient into solution.

■ Kelp Meal (*Ascophyllum nodosum*)

This proprietary type of kelp used in Nuturf GreenSpec products contains high calcium and valuable minerals and hormonal compounds. The *Ascophyllum* spp. kelp has been selected based on its nutrient content and low sodium content.

■ Humic Acid

The Nuturf GreenSpec Range contains a unique form of humic acid possessing a high fulvic to humic ratio derived from only one single deposit of leonardite for exceptional consistency in product quality. The fulvic acid fraction is extremely reactive in soils due to its molecular structure and can increase soil exchange and moisture holding capacity, increase microbial activity and stimulate plant growth.





Product Rates and Application Guide

Product	Situation	Rate	Comment
GREENSPEC SEVEN IRON	Fine Cut Turf	2-4 kg/100m ² 200-400 kg/ha	Water in thoroughly after application to help speed up breakdown. Do not apply to wet turf. Do not apply when temperatures exceed 30°C.
	Medium to High Cut Turf	3.4-5 kg/100m ² 340-500 kg/ha	
GREENSPEC TURF RALLY	Fine Cut Turf	1.5 kg/100m ² 150 kg/ha	
	Medium to High Cut Turf	2-3 kg/100m ² 200-300 kg/ha	
GREENSPEC ENDURANCE	Fine Cut Turf	1.5-3 kg/100m ² 150-300 kg/ha	
	Medium to High Cut Turf	3-6 kg/100m ² 300-600 kg/ha	
GREENSPEC S-K BALANCE	Fine Cut Turf	1.5-3 kg/100m ² 150-300 kg/ha	
	Medium to High Cut Turf	2-4kg/100m ² 200-400kg/ha	
GREENSPEC ALL NATURAL ORGANIC	Fine Cut Turf	2.5-5kg/100m ² 250-500kg/ha	
	Medium to High Cut Turf	5kg/100m ² 500kg/ha	

Spreader Settings

Spreaders	Ground Speed	Width of Coverage	Seven Iron		Turf Rally		Endurance		S-K Balance	
			Rate/100m ²							
			2 kg	4 kg	1.5 kg	3 kg	3 kg	6 kg	1.5 kg	4 kg
AccuPro 2000	5 km/hr	3m	L ¾	P	J	M ½	L	O ¼	J	M ½
ANDEpro 2000			L ¾	P	J	M ½	L	O ¼	J	M ½
Lesco			H ½ or 19	K ¾ or 25 ½	E ½ or 13	J or 22	F ¾ or 15 ½	K ½ or 25	E ½ or 22	
Spyker Spreader			4.6	5.7	3.7	5.1	4.2	5.5		



Quality Guarantee

Nuturf GreenSpec products are manufactured in Canada by Grigg Bros USA on behalf of Nuturf Australia. All GreenSpec products are guaranteed to perform to the highest standard.

NUTURF AGRONOMY SERVICES DEPARTMENT



Nuturf's highly qualified Agronomy Services team provides a range of Analytical and Diagnostic Services.



The reports are available online and include recommendations based upon sound agronomic principles.



For more information on our services, enquire with your Territory Manager.

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