

NUTRITION PROGRAM

SPORTS TURF MANAGEMENT

GRIGGTM sports turf nutrition programs are designed to increase turf vigor, overall quality, wear tolerance, and provide quick establishment. They include the use of GRIGGTM Proven Foliar[®] nutrients and GRIGGTM GreenSpec[®] granular nutrients, which are formulated based on many years and ongoing plant nutrition research

Research Driven, Proven ResultsTM

Turfgrass managers all over the world are taking advantage of the highly efficient GRIGGTM Proven Foliar[®] nutrients. These products are designed with the highest quality ingredients and unique formulations for unparalleled nutrient uptake and assimilation. GRIGG is a science based company and leaders in research and education. They remain dedicated to validating the use of all products through university research and proven field results.



GRIGGTM Proven Foliar[®] Nutrient Efficiency Research

Within fifteen minutes of GRIGGTM Proven Foliar[®] nutrient application to a cool season turfgrass, more than 60% of applied primary and minor nutrients are absorbed. Subsequent nutrient intake occurred for the next four hours and increased over time. (See Figure 1)

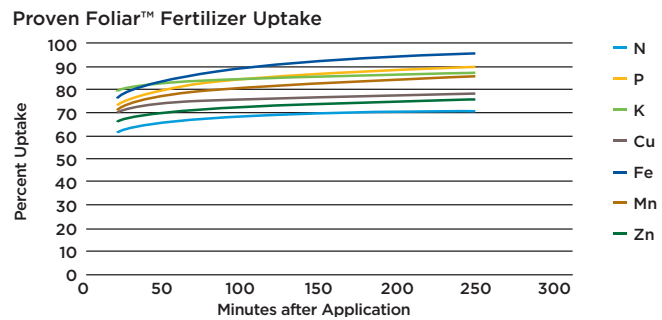


FIGURE 1. Percent (%) uptake (absorption) of primary and minor nutrients applied to creeping bentgrass (2008) R. Gaussoin, University of Nebraska

GRIGGTM GreenSpec[®] granular nutrients (16- 4-8), formulated with a hybrid nitrogen (N) source, provided the greatest total N recovery when applied to Tifway Bermudagrass and compared to other slow release sources. GreenSpec contains a protein based slow release N source including food grade protein, which appears to be more efficiently utilized by soil bacteria, making it highly available for turfgrass use. (See Figure 2)

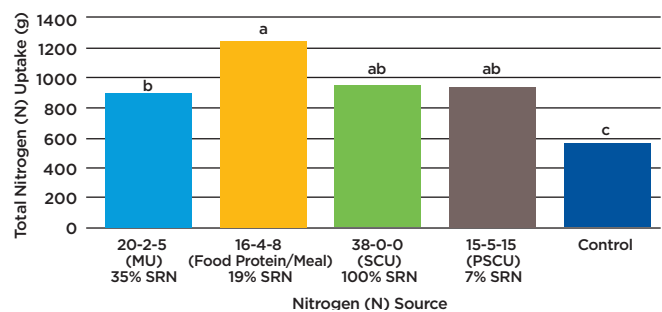


FIGURE 2. Evaluation and comparison of slow release nitrogen (N) sources for total N recovery from Tifway Bermudagrass (2009) J.A. Sartain, UF *Means followed by different letter here significantly different (P=0.05). MU-Methylene Urea; SCU-Sulfer Coated Urea; PSCU-Polymer Sulfer Coated Urea

GRIGG™ Proven Foliar® Nutrients

GRIGG offers a variety of products and protocols for use on both cool and warm season turfgrass. Overall, the use of Proven Foliar® fertilizers will maximize vigor, including turfgrass maintained on sand based root-zones and under high traffic. Specifically, programs containing Silicon (Si) and potassium (K) allow turfgrass plants to maintain resiliency, and increase wear tolerance.

Turf managers rely on the proven performance of GRIGG™ P-K Plus® 3-7-18 +14% phosphite to increase turf vigor and combativeness. Phosphite increases antioxidants and increases environmental stress tolerance.

GRIGG™ GreenSpec® Granular Nutrients

GRIGG™ GreenSpec® granular nutrient applications provide a superior granular source with impeccable homogeneous formulations and pure ingredients. GRIGG™ Seven Iron™ 7-7-7 +7% Fe will increase the rate of turfgrass establishment and maximize recovery from environmental stress, pest pressure, and mechanical damage. Including natural organic products like 10-2-4 and 6-5-6 provide a 100% slow release N source that provides consistent long term feeding and excellent color.



**For a distributor near you contact:
GRIGG: 1 888 246 8873 or www.grigg.co**

GRIGG is part of Brandt Consolidated, Inc.
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www.brandt.co

GRIGG™ Cool Season Sports Turf Nutrition Program

Cool: Spring Foliar Starter (biweekly)

GRIGG™ Nutra Green™	4-6 fl oz/1,000 FT ²
GRIGG™ P-K Plus®	4 fl oz/1,000 FT ²
GRIGG™ Tuff Turf®	4-6 fl oz/1,000 FT ²

Cool: Foliar Maintenance (biweekly)

GRIGG™ Gary's Green® Ultra	6-9 fl oz/1,000 FT ²
GRIGG™ P-K Plus®	6 fl oz/1,000 FT ²
GRIGG™ Tuff Turf®	4-6 fl oz/1,000 FT ²
GRIGG™ Sili-Kal B™	4-6 fl oz/1,000 FT ²

Cool: Granular Maintenance

GRIGG™ Turf Rally™ 16-4-8 to supply N during peak growth periods during Spring / Fall	5-8 lbs/1,000 FT ²
GRIGG™ Endurance™ to supply potassium (K)	5-8 lbs/1,000 FT ²

GRIGG™ Cool and Warm Season Sports Turf Nutrition Program

Cool & Warm: Soil Conditioning (biweekly)

GRIGG™ Carboplex™	12 fl oz/1,000 FT ²
GRIGG™ Bio-Blend™	3 fl oz/1,000 FT ²

Cool & Warm: Sodic Soil Treatment

GRIGG™ C K-Balance™	2-4 lbs/1,000 FT ²
GRIGG™ S K-Balance™	2-4 lbs/1,000 FT ²

Cool & Warm: Granular Starter / Recovery (every 4 weeks)

GRIGG™ Seven Iron™ 7-7-7	7.5-10 lbs/1,000 FT ²
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GRIGG™ Cool Season Sports Turf Nutrition Program

Warm: Foliar Maintenance (biweekly)

GRIGG™ Suprema™	6-12 fl oz/1,000 FT ²
GRIGG™ Ultraplex™	3-6 fl oz/1,000 FT ²
GRIGG™ P-K Plus®	6 fl oz/1,000 FT ²
GRIGG™ Tuff Turf®	3-6 fl oz/1,000 FT ²
GRIGG™ Kelplex™	1-3 fl oz/1,000 FT ²

Warm: Granular Maintenance

GRIGG™ Turf Rally™ 16-4-8 to supply N during peak growth periods during Summer	6-9 lbs/1,000 FT ²
GRIGG™ Endurance™ to supply potassium (K)	10-13 lbs/1,000 FT ²

** We recommend one or a combination of products depending on site conditions. Contact a GRIGG Territory Sales Manager for customized programs*