



NUTRITION PROGRAM

SPORTS TURF MANAGEMENT

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

Research Driven, Proven Results™

Turfgrass managers around the world are taking advantage of highly efficient GRIGG™ Proven Foliar® nutrients. Produced with the highest quality ingredients, these proprietary formulations provide unparalleled nutrient uptake and assimilation. GRIGG offers science-based solutions and focuses on research and education. They remain dedicated to validating products and programs through university research and proven field results.



GRIGG products are used and trusted by some of the most notable sports stadiums in the world – including The Rose Bowl® Stadium.

GRIGG™ Proven Foliar® Nutrient Efficiency Research

Within fifteen minutes of GRIGG™ Proven Foliar® nutrient application to a cool-season turfgrass, more than 60% of applied primary and minor nutrients were absorbed by leaf tissue. Minimal, if any, nutrient was found in the thatch or root-zone, indicating maximize efficiency and limited loss to the environment. Furthermore, nutrient intake occurred for the next four (4) hours and increased over time. (See Figure 1)

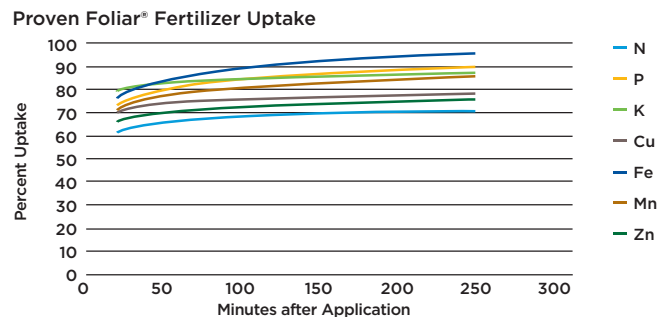


FIGURE 1. Percent (%) uptake (absorption) of primary and minor nutrients applied to creeping bentgrass (2008) R. Gaussoin, University of Nebraska

GRIGG™ GreenSpec® granular nutrients (Turf Rally; 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 soy and food grade protein. These organic N sources appear to be most efficiently consumed by soil microorganisms, mineralizing the N into an inorganic form and making it available for turfgrass uptake and use. (See Figure 2)

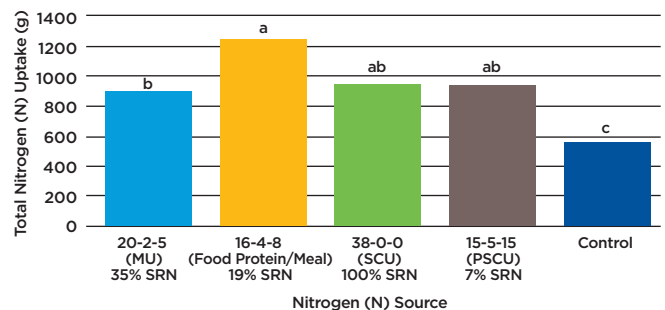


FIGURE 2. Evaluation and comparison of slow release nitrogen (N) sources for total N recovery from Tifway Bermudagrass (2009) J.A. Sartain, UF *Means followed by different letter here significantly different (P=0.05). MU- Methylene Urea; SCU-Sulfer Coated Urea; PSCU-Polymer Sulfer Coated Urea

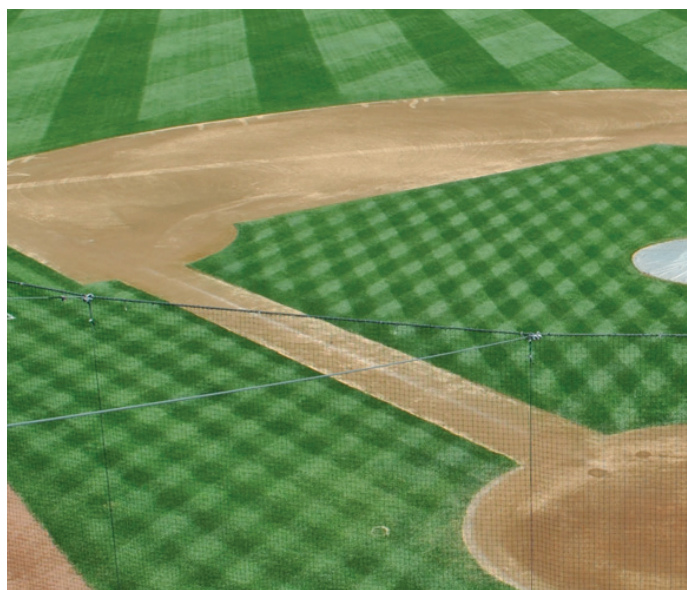
GRIGG™ Proven Foliar® Nutrients

GRIGG offers a variety of products and programs 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 foliar N, potassium (K), and phosphite ($H_2PO_3^-$) 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 performance under pest pressure and environmental stress. Phosphite upregulates antioxidant and phytoalexin product, thus improving environmental stress tolerance.

GRIGG™ GreenSpec® Granular Nutrients

GRIGG™ GreenSpec® granular nutrient applications provide a superior granular source with impeccable homogeneous physical formulations and pure ingredients. When applied at the correct time and rate, GRIGG™ Seven Iron™ 7-7-7 +7% Fe increases the rate of turfgrass establishment and maximizes recovery from traffic stress, pest pressure, and/or mechanical damage. The GreenSpec® line includes all natural organic products like 10-2-4 and 6-5-6 which provide a 100% slow release N source that provides consistent long term feeding and excellent color.



**For a distributor near you contact:
800 300 6559 or www.grigg.co**

GRIGG is part of Brandt Consolidated, Inc.
2935 South Koke Mill Road
Springfield, IL 62711
www.brandt.co

GRIGG™ Cool Season Sports Turf Nutrition Program

Cool: Spring Foliar Starter (biweekly)

GRIGG™ Nutra Green™	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

Cool: Foliar Maintenance (biweekly)

GRIGG™ Gary's Green® Ultra	9-12 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	4-6 lbs/1,000 FT ²
GRIGG™ SevenIron™ to supply complete and balanced nutrition. Ideal for turfgrass establishment and to promote recovery.	7-10 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™ Rhizonify™	12 fl oz/1,000 FT ²
GRIGG™ Bio-Blend™	6 fl oz/1,000 FT ²

Cool & Warm: Soil Amendment / Turf Nutrition

GRIGG™ C K-Balance™	2-4 lbs/1,000 FT ²
GRIGG™ S K-Balance™	2-4 lbs/1,000 FT ²
GRIGG™ Displace (12% Ca)	6-12 fl oz/1,000 FT ²

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

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

Warm: Foliar Maintenance (biweekly)

GRIGG™ Suprema™	8-12 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®	4-6 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	6-8 lbs/1,000 FT ²
GRIGG™ Endurance™ to supply potassium (K)	6-9 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*