



16-0-4 TURF AND ORNAMENTAL FERTILIZER

A NEW DIMENSION IN BIO FERTILITY

When Managing Turf Quality . . .

. . . Think Turf Nutrients & Soil Nutrition!

BENEFITS:



OUTSTANDING RESIDUAL COLOR, GROWTH AND STRESS TOLERANCE

This product combines the release characteristics of BCMU and Sanctuary natural bio nutrients. BCMU provides a balanced feeding with no surge growth and long, lasting color. Plus, the added slow microbial release of natural nutrients found in the Sanctuary ingredients. This dual approach offers greater nitrogen control that is microbial released. This approach complements the release characteristics of BCMU. This delivers an environmental approach to nutrient management that "Works With Mother Nature."



EXCELLENT SOIL MICROBIAL BIODIVERSITY

This product is a blend of energy rich natural ingredients and a microbial release BCMU, which stimulate native soil microbial populations. When applied, the soil microbes deliver the NPK found in these natural ingredients and the BCMU. This microbial delivery method helps reduce leaching while providing a balanced feed to the turf. Plus, the natural ingredients aid with rooting, density and disease & stress related turf problems.



WATER MANAGEMENT

These natural ingredients are high in available carbon that impact water infiltration into the soil. This carbon plays an essential role in delivering the plant nutrients. Plus, this carbon helps to retain soil moisture. This natural approach can reduce water usage.



TDN ENERGY VALUE

When selecting a natural product, not all natural products perform at the same agronomic level. The "Total Digestible Nutrient Value" or TDN Value determines the digestible energy derived from the natural Ingredients found in these types of products. The native soil microbes release this energy into the soil increasing total microbial populations. The higher the TDN level translates into an increase in these microbial levels and their agronomic benefits. This released energy is the unique agronomic benefits derived from using natural fertilizer products. For example, all traditional fertilizers have a 0 TDN value while 100% manure products have a TDN Value around 20. **This product has a TDN Value that ranges from 48 to 50.**

The combination of Agrium Technology and Sanctuary Bio Natural ingredients brings "Soil Health and Turf Quality" to your overall fertility program. Agrium Technology provides an "Innovative Nutrient Delivery System" that delivers essential turf nutrients. While the Sanctuary provides an energy rich "Nutrition Fertility Aspect" that builds and stimulates the native soil microbes. Together, this combination approach delivers an effective nutrient management system that provides a multitude of agronomic benefits for all types of turf and horticultural applications.

SANCTUARY + BCMU = PERFORMANCE³

BCMU ensures optimal quality turfgrass by providing a consistent, uniform slow-release of nitrogen over a 12-18 week period. It is carefully balanced to avoid early growth flushes, provide superior color throughout the season and maintain performance, especially where other products start to fade. BCMU's release is triggered by temperature and microbial activity, which means it works in harmony with plant demand, delivering nutrients when they are required. This makes for highly efficient feeding and promotes the development of a dense root system.

The Sanctuary uses a wide range of natural ingredients to increase the nutritional value of the product. Simply, a major aspect of the Sanctuary Natural Fertilizer Product is to improve the biological diversity in the soil. With improved biodiversity, this translates into soil health with fewer agronomic issues. The Sanctuary delivers consistent and predictable results with each application.



The Sanctuary delivers outstanding proven program performance. The Sanctuary products are competitively priced. These programs are time tested to effectively improve turf quality.

DIRECTIONS FOR GOLF

TEES PROGRAM

Sanctuary provides a slow even feed with excellent color that promotes outstanding recovery and rooting.

- Maintenance Rate is 3 lbs/M for Divot Recovery
- After Aeration Rate is 6 lbs/M for Rooting & Recovery

FAIRWAY PROGRAMS

RESIDUAL COLOR & GROWTH PROGRAM: Sanctuary provides outstanding residual color and growth. For 10 to 12 weeks, the maintenance rate is 5 lbs/M or 4 bags/A on a 3-month interval.

STRESS MANAGEMENT PROGRAMS: Sanctuary aids with disease and stress management programs. For best results during periods of high stress or disease pressure, the applied rate is 2.5 lbs/M every 6 weeks. This program will complement your fungicide products by enhancing microbial diversity.

DIRECTIONS FOR LAWN CARE

SPRING PROGRAM: Sanctuary applied in the spring provides outstanding residual color and slow even growth. The product can be applied at the rate of 3.5 lbs/M.

SUMMER PROGRAM: Sanctuary applied in the summer provides outstanding wear and stress tolerance. The product can be applied at the rate of 3 lbs/M.

FALL PROGRAM: Sanctuary applied in the fall provides outstanding excellent rooting and recovery. The product can be applied at the rate of 5 lbs/M.

HORTICULTURAL DIRECTION FOR USE

COLOR BEDS & BULBS: Incorporate 3 lbs per 1000 sq ft prior to planting to enhance establishment. Apply 3 lbs per 1000 sq ft every 45 to 60 days for continued summer blooms.

FOUNDATIONAL PLANTING BEDS: Broadcast 3 lbs per 1000 sq ft Spring and Fall to enhance rooting and plant resilience and soil microbial life.



GUARANTEED ANALYSIS

Total Nitrogen (N)	16.0%
0.5% Ammoniacal Nitrogen	
9.5% Water Soluble Nitrogen	
6.0% Water Insoluble Nitrogen*	
Soluble Potash (K ₂ O)	4.0%
Calcium (Ca).....	1.0%
Iron (Fe)	1.0%
1.0% Water Soluble Iron	

Derived from Feather Meal, Fish Meal, Bone Meal, Soybean Meal, Wheat Midds, Methylene Urea, Ammonium Sulfate, Ferrous Sulfate and Potassium Sulfate.

*6% Slowly available Nitrogen derived from feather meal, fish meal, methylenediurea and dimethylenetriurea.

THE SANCTUARY AGRONOMIC DIFFERENCES

The Sanctuary products promote a competitive microbial balance in the soil for a timely delivery of the nutrients that reduce seasonal agronomic problems. This approach promotes soil healthy and turf quality based on good nutrition. Simply, the Sanctuary Products **“Build Overall Turf Quality Application After Application.”**

- Stimulates Existing Soil Microbes to Improve Nutrient Release
- Provides Outstanding Residual Color, Growth and Rooting
- Establishes Improved Bio Energy Values for Period of Stress
- Improves Nutrient & Water Efficiencies
- Enhances Disease and Stress Tolerance Programs
- Improves Soil Aggregation & Microbial Bio Diversity

