

SANCTUARY

GOLF & SPORTS TURF PRODUCTS

AN EVOLUTION IN SUSTAINABLE
TURF NUTRIENT AND SOIL
HEALTH TECHNOLOGY



SANCTUARY

GOLF & SPORTS TURF PRODUCTS

Sanctuary products are a natural product line for golf course and sports turf management. These products build microbial life back into tired, damaged soils. This microbial life aids with the release of nutrients complexed within these organic products or locked up in the soil. This method of nutrient management can reduce nutrient applied rates. Sanctuary products are a cost effective organic product.

Sanctuary Program Solutions:



Reduce Nutrient Levels by Delivering More Sustainable Product Options



Reduce Water Usage by Improving Water Infiltration and Retention



Reduce Pesticide Usage by Enhancing Microbial Life that Reduces Agronomic Issues

Sanctuary Products are safe on **“Any Turf Type, Any Weather Condition or Any Agronomic Issue.”** Sanctuary offers a wide range of products that deliver outstanding results.

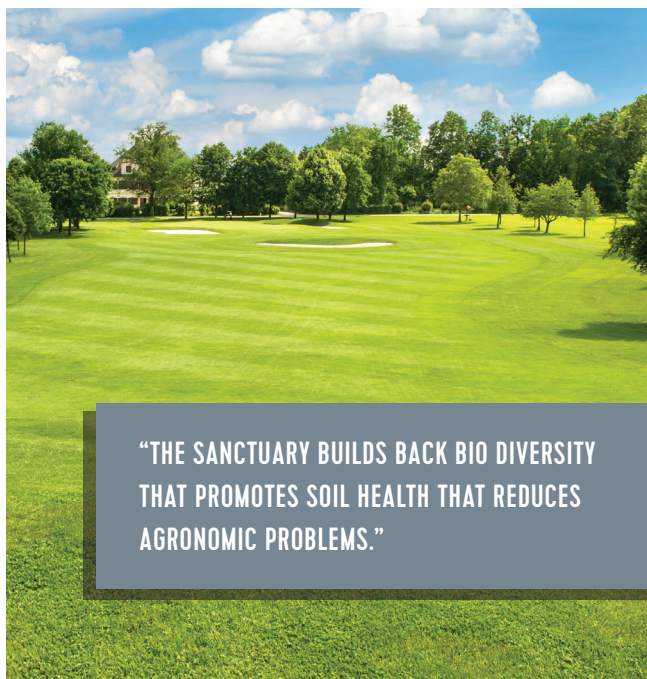


THE SECRET OF SOIL HEALTH

Most turf problems begin in the soil. This is nothing more than **“Tired Soils... the Root of Most Turf Problems.”** The Secret of the Sanctuary products – we build “Soil Health by Building Bio Diversity.” Simply, the Sanctuary adds nutritional energy to the soil that builds back the microbial diversity & life.

This nutritional energy is best defined by its **“Total Digestible Nutrient Value”** or TDN Value. The TDN Value estimates the energy derived from natural ingredients. A high TDN Value translates into increase microbial populations and microbial bio diversity.

Simply, it's the energy value that separates organic fertilizer types. **Protein meal products have 4 times the energy value of manure products; and 40 times more energy than bio solids.** Chemical fertilizer and humic acid products have no energy value to build microbial life. In fact, microbial life is being destroyed by today's chemical management practices.



“THE SANCTUARY BUILDS BACK BIO DIVERSITY THAT PROMOTES SOIL HEALTH THAT REDUCES AGRONOMIC PROBLEMS.”

Sanctuary TDN products enhance microbial bio diversity that promotes:



Nutrient Uptake



Stress & Wear Management



Rooting & Recovery



Disease Management



Turf Density



Residual Color & Growth

Sanctuary products contain rich nutritional organic ingredients that explode the soil microbial populations. By building microbial life, Sanctuary rejuvenates these **“Tired Soils.”** This improves the soil's nutrients and water holding that reduces problems and promotes “Outstanding Turf Quality.”

THE SANCTUARY DIFFERENCE - TOTAL DIGESTIBLE NUTRIENT VALUE®

SANCTUARY PRODUCTS BUILDING BLOCKS TO

SOIL HEALTH

The Sanctuary products positively impacts 3 aspects of "Soil Health" - the Soil Chemistry, Soil Physical Properties and Soil Biology. The Sanctuary simply helps to repair damaged soil. This nutritional dimension can only be delivered to the soil by organic products. By using Sanctuary products, these products will build **"Soil Sustainability that promotes Soil Life that translates into Turf Quality."**

SOIL CHEMISTRY

Sanctuary natural ingredients have a nutritional energy value. This energy builds up the soil microbial system that mines nutrients from the soil. This process promotes nutrient availability and reduces the amount of nutrients required.

- + **DELIVERS NUTRIENTS AND ENERGY TO THE SOIL ECO SYSTEM**
- + **MINES AND DELIVERS NUTRIENTS LOCKED IN THE SOIL**
- + **REDUCES WATER & NUTRIENT REQUIREMENTS**

SOIL PHYSICAL PROPERTIES

Sanctuary Products contain nutrition that explodes the soil microbial populations. As soil microbial populations increase, the bulk density of the soil decreases which reduces compaction. As compaction reduces, the soil is more aggregated, which increases water, nutrient and air holding capacity.

- + **DECREASES SOIL BULK DENSITY WHICH REDUCES COMPACTION**
- + **PROMOTES INCREASED SOIL AGGREGATION & MICROBIAL LIFE**
- + **INCREASES SOIL WATER, NUTRIENTS & AIR HOLDING CAPACITY**

SOIL BIOLOGICAL PROPERTIES

Sanctuary Products contain natural ingredients that add nutritional energy to tired soils. This energy is converted into microbes, which are mini bags of fertilizer that build soil nutrient levels. These products can be applied to damaged or tired soils to improve nutrient uptake, build soil structure and promote an explosion of beneficial microbial populations. Turf health begins in the soil with a healthy, active microbial system.

- + **BUILDS LIFE & ENERGY INTO TIRED SOIL ECOSYSTEMS**
- + **PROMOTES NUTRIENT AVAILABILITY & UPTAKE**
- + **INCREASES SOIL HEALTH THAT REDUCES STRESS, WEAR & DISEASES**



SANCTUARY GOLF & SPORTS TURF MAINTENANCE PROGRAMS

Sanctuary products deliver consistent and predictable performance. This success is based on rejuvenating microbial levels, which is the key to nutrient delivery. Sanctuary products combined with traditional fertilizer products deliver more optimum results while reducing nutrient pollution to the environment.



GREENS PROGRAM // The greens programs focus on managing residual color, rooting and density without affecting ball speed. These programs promote soil health that aid in disease management, stress and wear tolerance.

Greens Application Programs:

- + ***After Aeration for Turf Recovery & Rooting***
- + ***Monthly Applications for Disease Management***
- + ***Late Fall for Turf Resilience & Early Spring Color***



TEES PROGRAM // Tees program are simply a 0.4 lb of nitrogen per month during the growing season. This program reduces tee recovery time while promoting outstanding residual color, turf density, growth and rooting.

Tee Application Programs:

- + ***After Aeration for Turf Recovery & Rooting***
- + ***Monthly Application for Divot Recovery***
- + ***Late Fall for Early Spring Color and Rooting***



FAIRWAY PROGRAMS // Fairway products balance agronomic solutions and product cost. These products aid with wear & stress tolerance, disease management and water usage.

Fairway Application Programs:

- + ***Quarterly Applications for Residual Color & Growth***
- + ***Critical Stress Periods to Reduce Disease Issues***
- + ***Late Fall for Early Spring Color and Rooting***



SPORTS TURF PROGRAMS // Sanctuary sports turf products deliver an outstanding playing surface at an affordable product cost. These products aid with residual turf color, wear tolerance, turf density, rooting and recovery.

Sports Turf Application Programs:

- + ***Monthly In-Season Applications for Outstanding Residual Color & Growth***
- + ***Preseason Applications to Promote Turf Density, Rooting and Stress Tolerance***
- + ***After Aeration to Enhance Recovery and Promotes Turf Resilience***

The science is simple – “Sanctuary products increase the soil microbial populations that promote a natural sustainable approach. This reduces the amount of nutrients and water required without jeopardizing the turf health nor negatively impacting the environment.”

PO BOX 2330 // LADY LAKE, FL 32158 // 630-215-5660 // WWW.SANCTUARYPRODUCTS.COM