



LIFE BLENDS

Powered by The Sanctuary



*A Natural
Blending Base for
Soil Health*

Safe Any Time at Any Temperature for Any Application



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Life Blends are a natural blending base to add nutritional energy to traditional nutrients to improve agronomic performance. Life Blends can be combined with any traditional fertilizer product. These blends are safe for use on any turf type, weather condition or agronomic issue. These combinations deliver outstanding results and nutrient efficiencies while reducing environmental liabilities. Is it time to consider the **“Life Blends Biological Sustainable Solutions for Turf Quality and Soil Health.”**

WHAT IS LIFE BLENDS

Life Blends is a proprietary protein and carbohydrate blending base. These natural ingredients add energy back to tired soils that improve nutrient efficiency for all fertilizer products. Life Blends feed, build and enhance the native soil microbial populations with an **“Energy Rich Natural Nutrient Blending Base.”** This blending base when combined with traditional fertilizer technologies offers a new approach to turf grass and plant management.

Life Blends cycle nutrients through the soil microbial system enhancing nutrient efficiencies. By building these microbial populations, these soil microbes provide 3 key nutrient management functions in the soil:

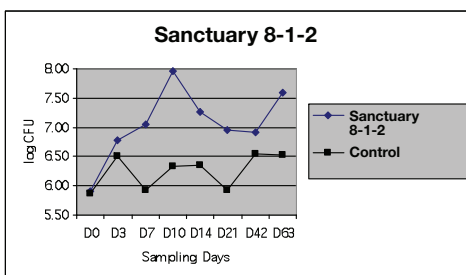
- **Breaks down organic matter and releases stored nutrients**
- **Releases nutrients that are locked up in the soil profile**
- **Enhances the effective release of traditional nutrient**

WHY USE LIFE BLENDS

Life Blends builds microbial life into tired soils. Microbes are like mini bags of recycled nutrients that serve a multitude of functions in promoting soil and plant health. The microbes are the medics that repair damaged soils and build soil life.

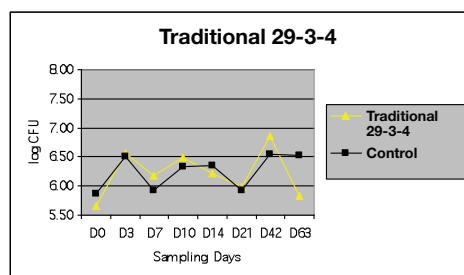


Life Blend 8-1-2



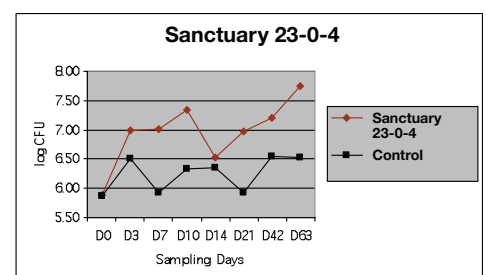
This Life Blend product substantially increases the soil microbial populations, which are essential to nutrient availability and uptake. These nutrient reserves impact turf resilience that translates into Soil Health and Turf Quality.

Traditional 29-3-4



This chemical fertilizer product lacks any nutritional aspect to build microbial populations and sustainable nutrient reserves.

Life Blend + Traditional 23-0-4



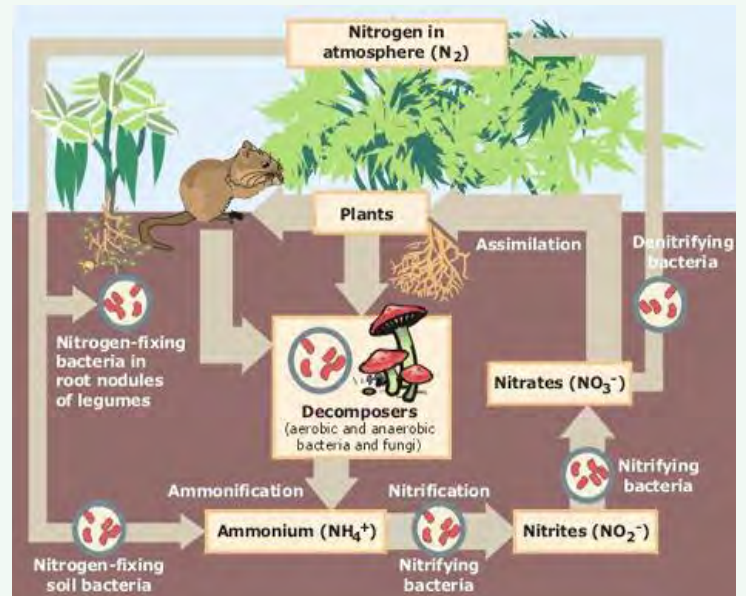
This combination product delivers the nutritional aspect of Life Blend to build microbial populations. Plus, this combines the economic benefits of traditional nutrients. This product delivers the best of both technologies.

IT ALL STARTS IN THE SOIL

In the soil, microbes deliver nutrients to the turf. These microbes release nutrients that are locked in the organic matter, in the soil profile or from fertilizer products.

Microbes need nutritional energy to multiply in the soil. In the past, this energy came from rich organic matter in the soil. Today, our urban soils or sand based systems lack this energy reducing nutrient efficiency.

Life Blends contains a high-energy level to build microbial populations that effectively deliver these nutrients. Organic performance is all based on their energy value. Not all natural products deliver the same nutritional energy level for microbial stimulation.



This energy value is best defined by its **“Total Digestible Nutrient Value”** or TDN Value. The TDN Value estimates the energy derived from a natural Ingredient. A high TDN Value translates into increase microbial populations and microbial bio diversity. Microbial bio diversity assures a competitive balance in the soil to deliver nutrients and combat agronomic problems like wear, stress and disease management.

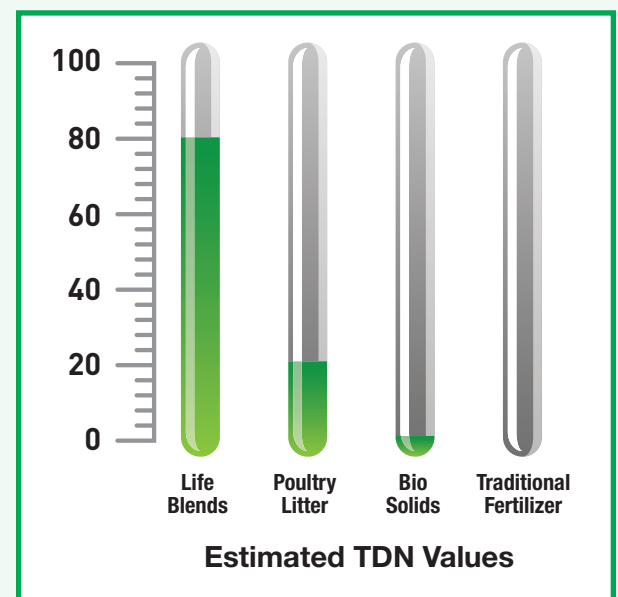
This competitive microbial balance promotes overall soil health and turf quality. Soil Health is a key to reducing agronomic issues and promoting sustainable solutions. Life Blends has one of the highest TDN values of any natural fertilizer.

GROWING NUTRIENT CHALLENGE

Over the years, there has been a growing concern regarding chemical fertilizer products getting into the water supply. This has led to grass root legislative initiatives to reduce annual nitrogen usage, establish nutrient blackout dates or eliminate phosphorus from our products.

Life Blends reduces off site movement of nutrients by promoting an active microbial system. Life Blend biological solutions delivers energy to the soil, which increases microbial populations. These healthy soil systems help to reduce off site movement of nutrients. The soil microbes:

- **Assimilate nitrogen into their bodies reducing nutrient leaching.**
- **Are mini bags of fertilizer, which reduce the amount of nutrients required.**
- **Mine nutrients from the soil unlocking stored nutrient reserves**



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

MANAGING PEST PROBLEMS

Another growing concern is the use of chemical pest control products in the environment. Simply, ***“It all begins with Soil Health.”*** Microbial life provides the immune system that manages average levels of stress and disease problems.

Research shows that these chemical solutions can negatively impact this natural microbial balance by reducing this soil health balance. Therefore, Life Blend bio fertilizers help build back the damage to the soil caused by these products. The use of Life Blend products provides the nutritional vehicle to off set the negative impact of pest control products. If pest control products are required – simply feed the soil with Life Blends. This is a WIN-WIN agronomic approach to pest management.



LIFE BLEND SYNERGIES

Life Blends are Sustainable Solutions that squeeze more nutrients from each application. These benefits include:

- **A natural nutrient blending base that reduces annual usage rates while enhancing turf & plant resilience and quality.**
- **A bio nutrient conservation product that squeezes more efficiency from fewer nutrient resources and offers cost-effective budgetary savings.**
- **With more state regulations, Life Blends provides a biological enhancement to release soil bound nutrients locked in the soil.**



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