



**High quality turf all begins with an active Soil Food Web**

All the bacteria, fungi, algae, protozoa, and other organisms that produce turf sustaining nutrients, antibiotics, thatch decomposers, hormones, root growth substances, natural fungicides, and activities that improve the soil are known as “The Soil Food Web”.

**Energy Food for the Soil Food Web**

BioCarb Soil Food is rich in natural minerals, carbon, vitamins, polysaccharides and soluble proteins that are rich energy sources for supporting and increasing the soil food web.

- *Beneficial microbes increase faster at the expense of pathogenic microbes when there is an abundant energy supply.*

**Results You Can See**

Try an application on off-color turf. Off-color turf is usually an indication of poor root zones. Treated turf results in a sharp spike of beneficial root-zone microbes that is evidenced by improved turf color.

- *This reaction is amazingly fast and can often be seen within 24 hours.*

**Create Productive Root Zones with “Chemical Factories”**

Productive Root Zones can mean the difference between average turf quality and outstanding turf quality. The root zone is an area teeming with billions of microbes that act like *virtual chemical factories* working around the clock producing nutrients, vitamins, enzymes, natural antibiotics and fungicides, hormones and a multitude of beneficial compounds that make high quality turf possible. BioCarb supports and increases microbial activity in the root zone and soil.

**Constant Soil Food Program**

To maintain highly productive root zones, *a constant supply of soil food is necessary.* While BioCarb is highly concentrated and causes a sharp spike in beneficial microbes, if not applied on a regular basis the benefits will be short lived. That is why it is important to apply BioCarb every 7-14 days for optimum results. This can easily be accomplished by tank-mixing BioCarb with other products at every opportunity.

**FERTILIZER ANALYSIS  
2-3-2**

**OTHER INGREDIENTS**

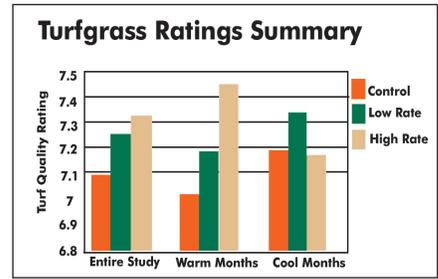
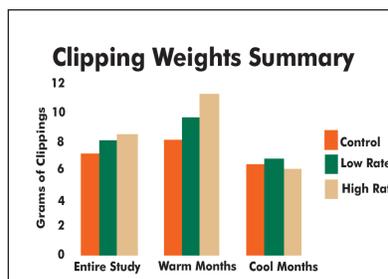
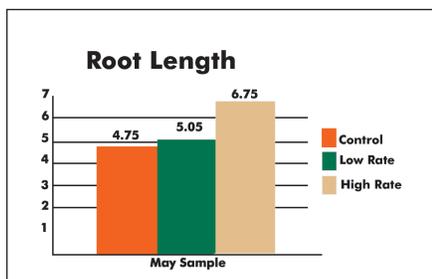
Crude Protein, not less than .....	20%
Total Sugar, as invert, not less than.....	37%
Dry Matter, not less than .....	70%
Vitamin A.....	20,000 U.S.P. Units per Pound
Vitamin D.....	5,440 U.S.P. Units per Pound
Vitamin E.....	90.8 Int'l Units per Pound
Thiamine Hydrochloride (Vitamin B1).....	1.0%
Calcium, not less than.....	0.5%
Sodium, not less than.....	0.1%
Sulfur, not less than.....	0.7%
Magnesium, not less than.....	0.2%
Copper, not less than.....	0.0107%
Iron, not less than.....	0.054%
Cobalt, not less than.....	0.0002%
Manganese, not less than.....	0.0110%
Zinc, not less than.....	0.0274%
Iodine, not less than.....	0.0006%
Selenium, not less than.....	0.00024%

**Ingredients:**

Blackstrap Cane Molasses, Urea, Phosphoric Acid, Sulfuric Acid, Zinc Sulfate, Copper Sulfate, Manganese Sulfate, Ferrous Sulfate Monohydrate, Cobalt Sulfate, Ethylenediamine Dihydrochloride, Sodium Selenite, Vitamin A Propionate, Vitamin B1 (as thiamine hydrochloride), Vitamin D3, Vitamin E (as alpha-tocopherol acetate).

**University Results**

In a year long study the University of Florida found BioCarb to enhance turf quality in three significant areas.



APPLICATIONS	RATES & TIMING
Cool Season Turf	Apply 1 gallon per acre or 3 oz. per 1000 sq. ft. every 7-14 days.
Warm Season Turf	Apply 1-2 gallons per acre or 3-6 oz. per 1000 sq. ft. every 7-14 days
For Best Results	At every opportunity include BioCarb in the tank-mix.