



# Rhizometrix™

Your long term agronomic investment

*Biologically active soil inoculant that makes fertilizer more efficient*

*Builds soil biomass and helps turf withstand stress, weeds and pests*

*Saves cost by gradually reducing fertilizer usage*

*Contains free-living, nitrogen-fixing bacteria*

**No refrigeration needed!**

Rhizometrix™ is an investment in your customer base, an investment in your margin, an investment in your image and an investment in our environment. Rhizometrix™ is the only modern bio-nutritional product that allows you to gradually implement an input reduction strategy that *actually improves the conditions of your lawns.*

#### **What is Rhizometrix™ ?**

Rhizometrix™ is a biological soil inoculant that contains a vast consortium of rhizobial microorganisms. It is designed with a broad spectrum of Nitrogen fixing organisms that help convert atmospheric nitrogen into plant available ammonia (NH<sub>3</sub>). It also includes potassium, iron, sulfur, 19 different amino acids and 3 agricultural specific vitamins. Rhizometrix™ also contains dextrose and sucrose, which are important to the health and vitality of the microorganisms in the product.

Rhizometrix™ is a water soluble powder that **DOES NOT REQUIRE REFRIGERATION** to maintain biological stability and vitality.

#### **What does Rhizometrix™ actually do?**

Introducing Rhizometrix™ into your agronomic strategy is a long term commitment to building the soil biomass. A healthy soil biomass means healthier, more vigorous turf that can withstand pest pressures. This can result in fewer annual weeds, broadleaf weeds, outbreaks of turf disease and damage from turf insects. Also, a healthy soil biomass reduces need for irrigation as a result of improved soil structure. It is also specially formulated to enhance tree and shrub health.

Rhizometrix™ reduces the amount of water-soluble nitrogen required in your program.

- The waste product of the protozoa is plant available nitrogen.
- Designed with Nitrogen-fixing organisms that help convert atmospheric nitrogen into plant available ammonia.
- Applying ½ oz of Rhizometrix™ per 1000 will allow you to reduce nitrogen by 25% over time.

Rhizometrix™ neutralizes the harmful effects of chlorine on soil.

- Most chemical fertilizers contain chlorine and will damage the soil food web.
- Rhizometrix™ consistently repopulates the soil biology that chlorine tends to destroy.

Rhizometrix™ contributes to the reduction of Crabgrass.

- Crabgrass produces toxins that destroy soil biology around its crown. This weakens the nearby turf, allowing crabgrass to spread.
- Applying Rhizometrix™ allows the repopulation of beneficial soil micro-organisms, thus inhibiting the spread and establishment of annual grassy weeds like crabgrass.

*Rhizometrix™ is not a pesticide.*

Rhizometrix™ reduces irrigation requirements.

- The consistent improvement of the soil food web leads to improved soil structure, organic matter and a healthy soil biomass. As a result, soil is able to absorb and retain moisture much more efficiently.

Rhizometrix™ will solubilize phosphorus that already exists in the soil.

- Rhizometrix™ contains "phosphorus solubilizing bacteria" (PSB). If phosphorus has been banned from your product program the introduction of Rhizometrix™ will be key.



**0-0-5 GUARANTEED ANALYSIS**

Soluble Potash (K <sub>2</sub> O).....	5.0%
Sulfur(S) .....	1.0%
Iron (Fe) chelated .....	2.0%

**NUTRIENTS DERIVED FROM:**

Potassium Sulfate (derived from natural langbenite) Ferrous Citrate

**ALSO CONTAINS NON-PLANT FOOD INGREDIENTS**

- Bacillus subtilis 130,000,000 CFU/gram,
- Bacillus licheniformis 130,000,000 CFU/gram
- Bacillus firmus 130,000,000 CFU/gram,
- Bacillus amyloliquefaciens 130,000,000 CFU/gram
- Bacillus megaterium 130,000,000 CFU/gram,
- Bacillus Pumulis 130,000,000 CFU/gram
- Bacillus azotoformans, 130,000,000 CFU/gram,
- Bacillus coagulans 130,000,000 CFU/gram
- Paenibacillus polymyxa 130,000,000 CFU/gram ,
- Paenibacillus durum 130,000,000 CFU/gram
- Pseudeomonas aureofaceans 22,000,000 CFU/gram
- Pseudeomonas florescence 22,000,000 CFU/gram
- Streptomyces lydicus 22,000,000 CFU/gram
- Streptomyces griseus 22,000,000 CFU/gram
- Trichoderma reesei 22,000,000 CFU/gram
- Trichoderma hamatum 22,000,000 CFU/gram
- Trichoderma harzianum 22,000,000 CFU/gram
- Azotobacter chroococcum 50,000,000 CFU/gram
- Azotobacter vinelandii 50,000,000 CFU/gram
- Pseudomonas putida 22,000,000 CFU/gram
- Streptomyces coelicolor 22,000,000 CFU/gram
- Streptomyces nodosus 22,000,000 CFU/gram
- 72% Dextrose, 12% Sucrose,

**What does Rhizometrix™ NOT do?**

There is no scientific evidence to suggest that applying Rhizometrix™ in conjunction with pesticides will reduce the amount of pesticide required to be effective. In many cases the active ingredient in various pesticides is actually detrimental to the biological populations in the product itself.

**Available In:**  
100 lb drum  
25 lb drum

**APPLICATION RATES**

APPLICATION	AMOUNT/DILUTION	COVERAGE	FREQUENCY
Golf Course Greens	1 – 2 oz	1000 sq ft	2 – 4 weeks
Fairways – Residential Turf	0.5 – 1.0 oz	1000 sq ft	2 – 4 weeks
Ornamentals	1 – 1 ½ oz	1000 sq ft	4 – 6 weeks
General Soil Application	1 – 1 ½ oz	1000 sq ft	4 – 8 weeks
Ornamental Installation	1 tbs. / gal water	16 oz per 5 gal container	At time of planting
Greenhouse Injector @ 1:100	1 ½ lbs. / 8 gal water	10,000 sq ft	4 – 6 weeks
Deep Root Feed	2 lbs. / 200 gal water	1 gal per 5 ft plant height	As required

Begin application in spring as soon as turf breaks dormancy. May be tank mixed with fertilizers, bio-stimulants, and micronutrients. Utilize a sufficient volume of water to achieve desired coverage. Keep container and inner bag tightly sealed. When properly stored product has a 2 year shelf life.

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