



**SOIL-BAC**  
PLANT GROWTH  
ACTIVATOR

# SOIL-BAC IS DESIGNED TO INCREASE ACTIVE BIOMASS IN THE SOIL TO ENSURE HEALTHY TURF GROWTH

Contains bacteria, nutrients, trace minerals and vitamins for plant growth stimulation.

**BENEFITS OF USE:**

- Promotes plant growth;
- Increases nutrient availability;
- Facilitates nutrient absorption;
- Reduces likelihood of turf disease.

## COMPONENTS AND THEIR BENEFITS

Component	Benefit
Bacteria <i>Bacillus</i> , <i>Pseudomonas</i> , <i>Mycorrhizae</i>	<ul style="list-style-type: none"> <li>• Enhanced plant growth</li> <li>• Disease suppression</li> <li>• Decomposition of organic matter and pesticide residues</li> <li>• Nitrogen fixation</li> <li>• Enhanced seed germination</li> </ul>
Fungi, amino acids	<ul style="list-style-type: none"> <li>• Disease suppression</li> <li>• Production of natural growth hormones</li> </ul>
Vitamins, folic acid	<ul style="list-style-type: none"> <li>• Provision of catalysts for enzymes</li> <li>• Enhanced plant growth metabolism</li> </ul>
Biotin natural sugars	<ul style="list-style-type: none"> <li>• Enhanced microbial and plant growth</li> </ul>

## SPECIFICATIONS

Description	Grey powder
Packaging	250g pouches or 10kg pails
Stability	Max. Loss of 1 log/yr
pH	7.0
Bulk Density	0.5 – 0.61 g/cm <sup>3</sup>
Moisture Content	15%
Nutrient Content	Biological nutrient and stimulants
Bacteria Count	5 billion gram
Storage and Handling	See SDS.



## SOIL-BAC PLANT GROWTH ACTIVATOR

### APPLICATION INSTRUCTIONS

#### **Rates -**

- **Greens and tees** - Apply 1-2 oz per 100 ft<sup>2</sup> every 2-4 weeks. Use full strength on sand-based greens and tees.
- **Fairways and sport fields** - Apply 0.25 - 0.5 oz per 100 ft<sup>2</sup> every 2-4 weeks. Application may be split to fit application into a spraying schedule.

**Specifics** - Eight applications throughout the season are recommended. Applications should begin in the spring when the ground temperature has reached 5°C - 10°C (40°F - 50°F). During high stress periods, the rate and/or frequency of applications should be increased. Increasing the rate and frequency of SOIL-BAC applications will provide the turf system with added benefits. **You cannot over apply this product.**

Avoid pesticide applications within 48 hours of applying product. Best applied in the early morning, evening or on a cloudy day. Exposure to extended periods of UV light may reduce the efficacy of this product. Clean sprayer with a tank cleaner prior to each application.

**Frequency** - Apply every 2 to 4 weeks with a sprayer or through an irrigation system.

For further information on application, contact your BIONETIX technical representative.