

# SOIL-BAC™

## Microbe-Nutrient Biofertilizer

SOIL-BAC™ is a plant growth activator containing a high concentration of PGPR (plant growth-promoting rhizobacteria) and mycorrhizae designed to increase active biomass in the soil to ensure healthy growth. Soil bioaugmentation with SOIL-BAC™ promotes crop productivity and healthy turf growth by promoting organic matter decomposition and increasing nutrient availability in soil, among other beneficial activities.

SOIL-BAC™ now includes beneficial fungal strains such as *Trichoderma harzianum*, known to support root health, suppress soil-borne pathogens, and enhance overall soil-plant system performance. SOIL-BAC™ is particularly designed for agricultural soil applications where improving soil microbiology, nutrient cycling, and root development are critical for crop productivity and soil health management.

### Features & Benefits

- Contains beneficial bacteria, mycorrhizae, nutrients, trace minerals, and vitamins
- Helps to digest debris, improve soil structure, and increase soil fertility
- Decomposes organic matter and pesticide residues
- Promotes plant growth
- Increases nutrient availability and facilitates absorption
- Helps to solubilize phosphorus
- Improves nitrogen availability and nitrogen use efficiency by stimulating soil microbial activity involved in nutrient cycling and organic nitrogen mineralization
- Reduces likelihood of turf disease
- Improves soil microbial activity and biological balance
- Enhances nutrient cycling and organic matter degradation
- Improves root development and nutrient uptake efficiency
- Supports soil fertility and long-term soil health management
- Contributes to regenerative agriculture and sustainable crop production

### Specifications

|                     |                    |
|---------------------|--------------------|
| Color & Appearance  | Beige powder       |
| pH                  | 5.0-8.0            |
| Bacteria Count      | 5.00E+09           |
| Bacterial Stability | Max. loss 1 log/yr |
| Shelf Life          | 2 years            |



### Storage

Store in a cool, dry location. Keep containers tightly closed, before and after opening, to prevent moisture absorption and exposure to direct sunlight. Please follow the recommendations and use the product before the best before date. Contact Bionetix® with questions. Avoid inhalation, eye contact, and prolonged skin contact. Wash hands thoroughly after handling.

### Typical Applications

- Formulated surface cleaning products
- Agricultural crop production
- Soil fertility and soil health programs
- Composting and organic matter degradation
- Greenhouse and horticulture production
- Regenerative agriculture and soil restoration programs

### Directions for Use

For specific dosages, contact your Bionetix® representative.

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