

BioCharge is the base of all the EarthWorks Foliars+ products and is what allows these products to provide a sustainable soil environment and improve turf playing conditions. BioCharge is a very diverse package of carbon and minerals designed to feed microbial populations and provide the plant with a host of needed nutrients which includes a proprietary complex of humic acids, over 25 amino acids, and more than 75 minerals. For more information go to [www.soilfirst.com](http://www.soilfirst.com)

## BioVantage

*Jump start your soil's ability to produce healthy, vigorous plants*

1. Urgent care for soil that is biologically weak—from extended use of pesticides and fertilizers or physical and environmental stresses.
2. As a foundation of important soil biology, Rhizobacteria aids sand based or low CEC soils that are inherently biologically weak.
3. Creates biological checks and balances for soil pathogens, protecting the plant and acting as an effective probiotic.
4. Digests the most ligneous root systems and thatch build up in the root zone creating a better physical environment.
5. Mobilizes nutrients through microbial breakdown especially nitrogen—improving the process of nitrification.

**BioVantage** is part of a new generation of EarthWorks products that incorporate biological inoculants. This product includes

Rhizobacteria along with proven plant stimulants and soil amendments to enhance the value and efficacy of the biologicals. BioVantage is a unique liquid organic fertilizer formulated with three distinctive sea based nutrient sources, fish and kelp meal and seawater extracts specifically designed and formulated to promote maximum biological enhancement of the Rhizobacteria package.

**BioVantage** combines this powerful plant and soil stimulant with a multi-strain package of Plant Growth Promoting Rhizobacteria. Our PGPR package promotes plant health by colonizing plant roots and moving nutrients into the plants intracellular spaces. The Rhizobacteria produce and exudate metabolites that regulate and jump start both microbial and plant processes. These polymicrobial PGPR are extremely stable and by adding them to the rich BioVantage formula significantly enhance the activity of the Rhizobacteria strains.

**BioVantage** will improve the soils ability to digest organic matter in the root zone reducing thatch, building water holding humus, providing available food for microorganisms, which will improve nutrient mobility and provide checks and balances for pathogens.

### EARTHWORKS BIOLOGICALS

**Active Ingredients include:**

Bacillus amyloliquefaciens  
Bacillus licheniformis  
Bacillus megaterium  
Bacillus methylotrophicus  
Bacillus subtilis

**Application rates:**

**Turf:** 5 oz/1000 sq ft of turf every two weeks

**Landscape:** 1% solution for maintenance up to 5% for recovery

Available in a 2 x 2.5-gallon box and 55-gallon drums



**EarthWorks**  
A Deeper Respect

800-732-TURF

[info@earthworksturf.com](mailto:info@earthworksturf.com)

[www.earthworksturf.com](http://www.earthworksturf.com)

 **CORBIN TURF**