



Agriculture & Soil Health

Naturally Healthier Soils. Stronger Crops.

Driven by targeted microbial consortia and bioactive compounds.

Successful agriculture starts with healthy soil — the foundation of plant growth, nutrient uptake, water efficiency, and long-term yield. Bionetix® agricultural treatments help growers build stronger crops by enhancing soil biology and performance while reducing reliance on harsh chemicals and synthetic fertilizers.

Bionetix® solutions combine beneficial microorganisms, nutrients, and biostimulants that work in harmony with natural soil processes to improve structure, boost microbial activity, and increase the availability of essential nutrients. By strengthening soil biological resilience, these biological solutions support sustainable agriculture practices that protect long-term soil productivity.

From biostimulants that enrich soil fertility and enhance seed germination, to bioaugmentation products that increase active biomass and nutrient cycling, Bionetix® treatments don't just supplement soil — they help activate it. Products like ORGANIC PLUS™ deliver humic acids, micronutrients, and bioactive stimulants to invigorate soil and plant health, while blends such as SOIL-BAC™ introduce beneficial microbes that improve nutrient availability and uptake.

Designed to adapt to specific crops, growing conditions, and management goals, Bionetix® agricultural treatments help achieve healthier soils, more resilient plants, and higher productive potential — using a natural, biology-driven approach.



BACTO-CONTROL™

BACTO-CONTROL™ is a proprietary blend of bacteria cultures with high production of bio-active molecules. The bacteria cultures included in this product have a great potential to protect crops from a broad range of diseases by direct inhibition of pathogens and stimulation of the plant's immune system. The bacteria also promote plant growth by acting as a root colonizer that will protect it from pathogens and then facilitate nutrient absorption.

The lipopeptides act on plant pathogens via two major mechanisms: inhibition of the synthesis of their cell wall components such as glucan or chitin, and the breakdown of fungi cell walls through surface-active properties. In addition, biosurfactants can also act as spreaders (by facilitating root colonization) and immunostimulators (by reinforcing host resistance potential).

ECO-D-THATCH™ L

ECO-D-THATCH™ is a biological turf conditioner designed to accelerate the natural decomposition of thatch layers in turf and grass systems. Its microbial formulation supports the breakdown of organic materials that restrict water, air, and nutrient movement in the soil. By enhancing biological activity at the soil surface, ECO-D-THATCH™ helps reduce reliance on mechanical dethatching while improving overall soil structure and turf health. It supports stronger root development and more resilient turf conditions over time.

ECO-TURF™

ECO-TURF™ is an organically-based nutrient blend formulated to support healthy turf growth across warm- and cool-season grasses. The formulation provides essential nutrients that promote balanced growth, improved root development, and enhanced turf resilience. ECO-TURF™ supports soil biological activity and nutrient availability, helping improve turf density, color, and overall performance. It is suitable for use on a wide range of turf applications, including lawns, sports fields, and landscaped areas.

ORGANIC PLUS™

ORGANIC PLUS™ is a nature-based biostimulant formulated to enhance soil fertility and support healthy plant growth. It contains high concentrations of humic acids, marine plant extracts, and micronutrients that improve soil structure, nutrient availability, and microbial activity. By amending soils with biologically active components, ORGANIC PLUS™ supports increased crop yield, improved root development, and stronger plant resilience. It is suitable for agricultural, turf, and soil health applications focused on long-term productivity.

SOIL-BAC™

SOIL-BAC™ is a plant growth activator formulated with a high concentration of plant growth-promoting rhizobacteria (PGPR) and mycorrhizae to increase active microbial biomass in soil. The formulation supports organic matter decomposition, improves nutrient availability, and enhances root-zone biological activity. SOIL-BAC™ promotes healthy plant and turf growth by strengthening soil microbiome function. A premium version includes a nitrogen-fixing microorganism that enhances nitrogen availability early in the growing season, offering added benefit during periods of limited plant uptake.



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