

BIODYNAMIC

SOIL SYNERGY

BIODYNAMIC is a 100% natural soil synergy booster designed for use in open field, nurseries, and greenhouses. It's a unique formulation of essential microbes, organic humic, fulvic, and amino acids to improve overall performance of crop. BIODYNAMIC rejuvenates the soil by introducing a large population of beneficial microbes in the rhizosphere. These micro-biome provide the necessary enzymes to break down and convert organic matter and increase micronutrient uptake. BIODYNAMIC is produced naturally from the fermentation of beneficial saprophytic microorganisms and provides specialized microbial culture, metabolites, and critical micro-nutrients for plants. The microbial soil amendment provides critical enzymes, metabolites and beneficial microbial biomass that aid in building soil structure, competitive exclusion, water retention, soil chemistry and salt reduction. BIODYNAMIC contains organic humic and fulvic acids, having strong chelating properties and stimulating effects for healthy soil life. It will help plants to uptake minerals that normally are fixed in non-plant ready structures. Humic and fulvic will help to chelate elements like phosphate which results in root development and better nutritional value for plants and crops. In addition, BIODYNAMIC stimulates soil life which results in improved soil structure and CO₂ storage and stimulates several enzymatic (SOD, POD, CAT) processes within plants. Stimulation of these enzymes results in increased stomatal gas exchange possibilities and increased chlorophyll content. Which enhances the tolerance to abiotic stress and increases plant quality. The amino acids present in the BIODYNAMIC are originate from plants and are therefore easy to absorb, even at low temperatures.

PRODUCT BENEFITS

- Enhances uptake of macro & micro-nutrients availability to the plants (N, P, K, Ca, Mg, Si, Fe, Zn, etc.)
- Enhances root growth
- Helps in holding essential nutrients and prevent their leaching.
- Improve soil metabolism and restore soil biology
- Helps to reduce soil-borne diseases
- Enhances cation exchange capacity (CEC) of soil
- Helps to maintain moisture and improve water retention capacity of soil.
- Improve the overall health of plants.
- Enhances soil enzymatic activity.
- Improves soil fertility.
- Improves soil porosity and builds soil structure.



High yield



Water conservation



Advance harvesting



Enhance quality



Chemical free

BIODYNAMIC AND THE SOIL

BIODYNAMIC has been developed to address the needs of the complex symbiotic processes that must take place in the soil. For crops, humic and fulvic acids are chelators. They combine minerals to make them into organic compounds that can be ingested by plants more easily. They also enable the soil to hold more water and can increase the water infiltration of the soil. Additionally, humic and fulvic acids restrict toxins present in the soil, reducing the amount of harmful substances that reach the crop's roots. BIODYNAMIC has proven to provide both improved root growth as well as better tolerance to infestations of nematodes as well as soil borne diseases.

BIODYNAMIC AND MICRONUTRIENTS

BIODYNAMIC has been developed to provide the soil with the necessary nutrients and microorganisms to ultimately support the plant development. These micronutrients can be chelated and complexes by amino acids making it much more available to the plants. The interaction of these organometallic compounds with the metal ions allows a more efficient transfer of the micronutrients across the cell membrane and allows the plant's active transport system to be more efficient. Once chelated, the micronutrients are seen as a complex organometallic ion and not a simply metal ion. This allows the plant to more easily transfer the metal ions across the cell wall. Dramatic increases in the uptake of necessary micronutrients are observed when a soil balance has been attaining again resulting in both improved crop quality and yield.

INGREDIENTS

<i>Bacillus amyloliquefaciens</i>	6.85 X 10 ⁸ cfu/ml
<i>Bacillus megaterium</i>	5.00 X 10 ⁸ cfu/ml
Organic Humic, Fulvic and Amino Acids	15%
Natural Rock Carrier	85%

HOW TO USE

Soil application by broadcasting and drenching. Blend with organic, inorganic fertilizers, sand and soil for broadcasting. Can be used in potting mixture.

DOSAGE:

1-2 Kg/Acre

BIODYNAMIC is generally applied through soil application during various stages (seed sowing, transplantation, vegetative growth of plants, flowering stage, during growth and ripening of fruit).

PACKAGING, TRANSPORT & STORAGE

BIODYNAMIC is available in 2 Kg pouch.

Store in cool & dry place away from direct sunlight and heat.

HEALTH AND SAFETY INFORMATION

Keep away from children, food, and feed products. Avoid contact with eyes, skin, and clothing and avoid inhalation. Not suitable for ingestion. Wash hands after handling the product.



WARRANTY

Greenbay sells the product BIODYNAMIC. Carefully follow the instructions on the packaging. We do not guarantee the product's suitability for applications other than originally intended. Greenbay is only obliged to replace any products that do not meet the specifications. Suggestions for use and information on results of the product's use obtained by the producer may be considered reliable. As Greenbay cannot control the conditions of the product's use, the buyer/user is responsible for all results, including any injuries or damage resulting from the use of this product alone or in combination with other products. Keep out of reach of children.

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