



A Healthier Earth Starts With Healthy Soil

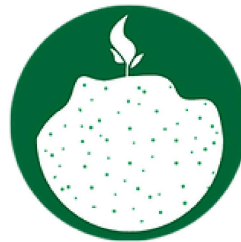
Soil Restoration

BioMantra Soil, Root, and Seed, also known as **soil probiotics**, biologicals, microbials, and soil inoculants, are powerful tools for soil restoration which **feed and stimulate microbial activity** creating **healthy soil and resilient plants**.



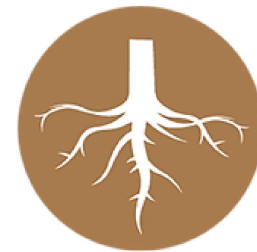
biomantra seed

[Learn More](#)



biomantra soil

[Learn More](#)



biomantra root

[Learn More](#)

Healthy, **microbe-rich soil** thirstily **absorbs water**, **minimizing run-off** and **standing water**. **Better yield, drought resistance, and nutrient uptake** are just the short-term benefits of using BioMantra Soil. The long-term includes healthier soil that is more **disease-resistant for stronger crops**.

BioMantra Seed can be mixed with any type of seed to help with uniform germination. Studies show that even a **24-hour delay** in germination across plantings can **decrease crop yields by up to 18%**

BioMantra Soil microbes pull nitrogen and carbon dioxide from the atmosphere and **increase the ability of the soil to retain water and carbon.**

BioMantra Root contains essential microbes, enzymes, humic acid, and mycorrhizal fungi that **help roots dig deeper**, be more fibrous, access more nutrition, and **increase drought tolerance and recovery!**

BioMantra Commercial is a combination of the specialized bacteria in BioMantra™ Soil and BioMantra Root to give growers an advantage and **alternative to chemicals and fertilizers.**

Soil health starts with naturally restoring beneficial microbes.

Powerful Bacteria, Humic Acid, and Fungi

Soil Health

You may have great soil, but the nutrients may not be readily available for plants to use. BioMantra unlocks nutrients.

Apply Bacteria

Microbes break down nutrients, making them easily accessible to plants (not locked in the soil.)

Bacteria Multiply

This results in less need for manure or fertilizers and, therefore, **less cost.**

Increase Nutrient Supply

This helps plants **survive disease** and become **resilient in the face of drought!**

Call Our Experts!

[920-251-5916](tel:920-251-5916)

Microbes and arbuscular mycorrhizal fungi (AMF) convert organic phosphorus (Po) into inorganic phosphorus (Pi).



Overfertilization of Pi has changed that balance and caused a significant decrease in AMF.

[Learn More](#)

AMF (Arbuscular Mycorrhizal Fungi) is the Oldest Symbiosis Known to Science!

Organic Farming • Turf & Golf Course • Commercial Crops

Bacteria

BioMantra Root, Seed, and Soil contain different concentrations and ratios of several key types of bacteria.

Nitrogen-fixing bacteria are capable of transforming atmospheric nitrogen into fixed nitrogen. More than 90% of all **nitrogen fixation** is affected by these types of bacteria.

Bio-fertilizers like

Humic Acid

Humic acid in **BioMantra soil and root increases organic carbon, soil porosity, and increases the Cation Exchange Capacity (CEC) of soil.**

Humic acid also makes nutrients more **bioavailable** by chelating.

This means that the soil absorbs more water and locks in nutrients in ionic form.

Fungi

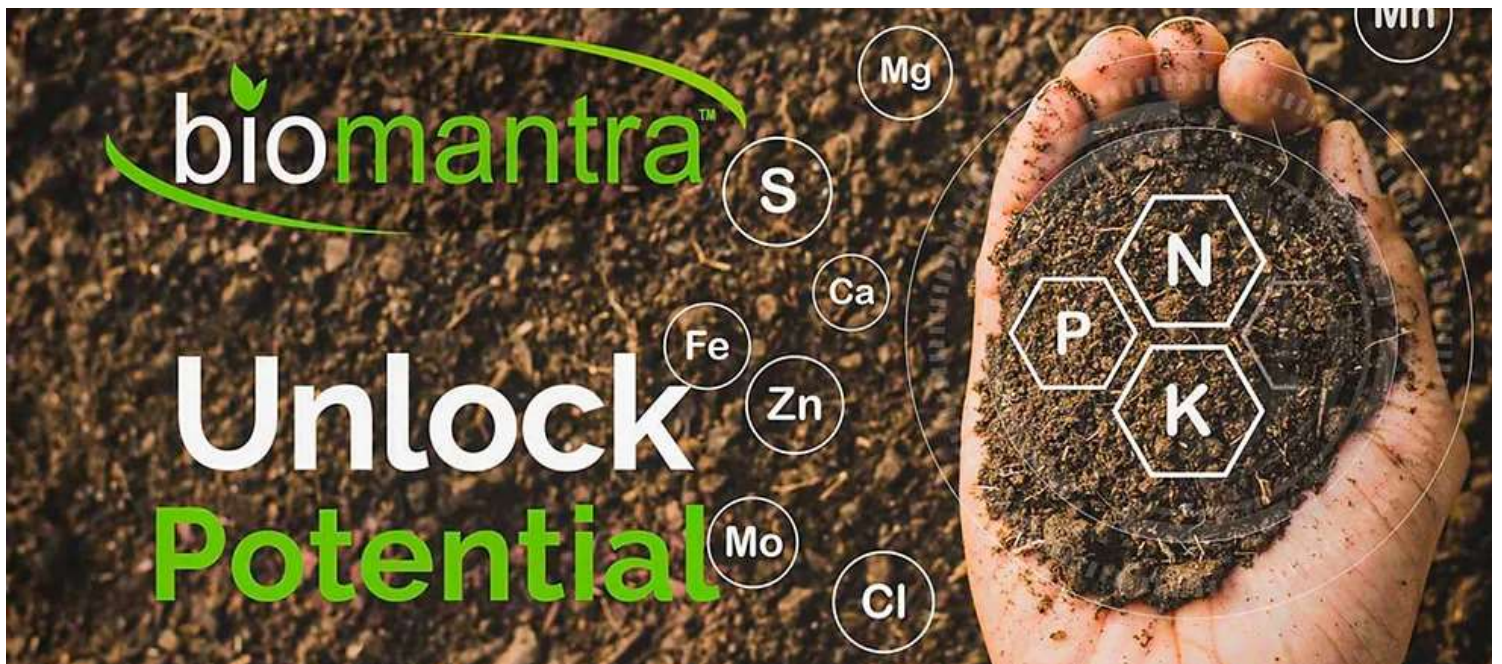
Glomus mosseae in **BioMantra root** is a unique type of arbuscular mycorrhizal fungi (AMF) that penetrate the cortical cells of a vascular plant's roots and **deliver essential mineral elements.**

These soil microorganisms result in a healthier, beefier plant.

phosphorus absorption using natural ingredients rather than harmful chemicals.

Potassium mobilizing bacteria result in considerably higher crop yield.

This natural restoration of the live microbial population signals plants to cultivate the soil and increases nutrient uptake. BioMantra™ naturally releases the nutrients trapped in your soil acting as a natural fertilizer to improve soil and plant health.



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