

Environoc 401- Beneficial Microbes



Plant Bio Stimulation:

With 29 strains of beneficial microorganisms present in extremely high counts (trillions per gallon): **Environoc 401** is a natural consortium of aerobic (oxygen loving) and facultative (can adapt in low or no oxygen

conditions) beneficial bacteria and fungi. These microbes are not genetically modified, non-pathogenic, and naturally occurring. This specialized "Team" of viable microbes manufacture enzymes (catalysts) that improve natural nitrogen stabilization and atmospheric nitrogen fixation, and are able to release (solubilize) phosphate from old fertilizer and mineral sources. Various microbes in the blend make root growth stimulants and form various amino acids / proteins designed to feed and communicate messages to plants and plant roots. The host of benefits derived from this natural biochemistry is very diverse! The goal, however, is very simple. It is to improve sustainability naturally and reduce the environmental impact associated with over applying N, P, and K. In addition, improving plant growth, plant productivity, and soil condition (tilth) are the direct by products of using Environoc 401. This Best In Class product represents some of the most up to date technology on the market today.

29 Viable Strains of Beneficial Microbes in extremely high numbers, including:

Nitrogen fixing microbes, Root stimulating microbes, Phosphate solubilizing microbes, Plant hormone stimulating microbes, Nutrient uptake promotion microbes, and many other microorganisms that provide a myriad of benefits to your crops.

RECOMMENDED USES:

- Environoc 401 can be used in Furrow with seeds at the rate of 16-32 ounces per acre. Environoc 401 can also be used as a pre plant incorporated or pre emergence soil spray at the rate of 32 ounces per acre.
- Environoc 401 can be applied as a Foliar application at the rate of 16-32 ounces per acre
- Environoc 401 can be applied as a Premix with chemicals or fertilizers and is compatible with most agricultural products if mixed just in time.

FEATURES & BENEFITS:

- 29 strains of beneficial microbes representing bacterial and fungal species. Extremely high plate counts– Trillions Per Gallon.
- Improved nutrient release and uptake.
- Improved natural chelation of soil nutrients.
- Improved root mass and depth, stronger / longer stalks and stems, and improved leaf area index (leaf size)
- Increased Yields and Excellent Return on Investment

FAQ:

Q: How can something so small in rate per acre do anything substantial like hundreds of pounds of fertilizer?

A: Ironically, *Environoc 401* possesses microbes that make compounds called enzymes that Attack "tied up" forms of old fertilizer that are held as a result of over application for years and years. Some growers see increase in P levels with no applied P.

Q: Are these microbes genetically modified or engineered?

A: No, all of these microbes are naturally occurring, not genetically modified, and non pathogenic. This microbial consortium has been selected for their capabilities to enhance biological nutrient release and plant growth stimulation.

Q: Can the product be used in conjunction with fertilizer and chemicals?

A: Yes, *Environoc 401* can be used in conjunction with fertilizers and pesticides. Although some fungicides may be hard on the fungal components in the mix, it can still be put together in furrow when planting.

Q: Can the product be used in all tillage systems?

A: Yes, all soils need help in all conditions. The product will act as an early to mid season inoculant for all soils.



Contact: Biodyne Midwest LLC

Gil Farley 260-414-5902 , gilmanf@biodyne-midwest.com

Dan Coffin 260-450-1936 , danc@biodyne-midwest.com

www.biodyne-midwest.com