



Product Information

NUTRIO™ UNLOCK® is a liquid biological soil amendment containing a diverse array of beneficial soil bacteria cultured from specifically selected pure strains of microbes in an oxygen enriched process for maximum viability. NUTRIO UNLOCK can be blended with conventional and organic fertilizers and soil amendments and/or impregnated onto dry fertilizer. The specific selection of beneficial microbes in NUTRIO UNLOCK improves soil biodiversity and allows for enhanced nutrient mineralization in the soil.

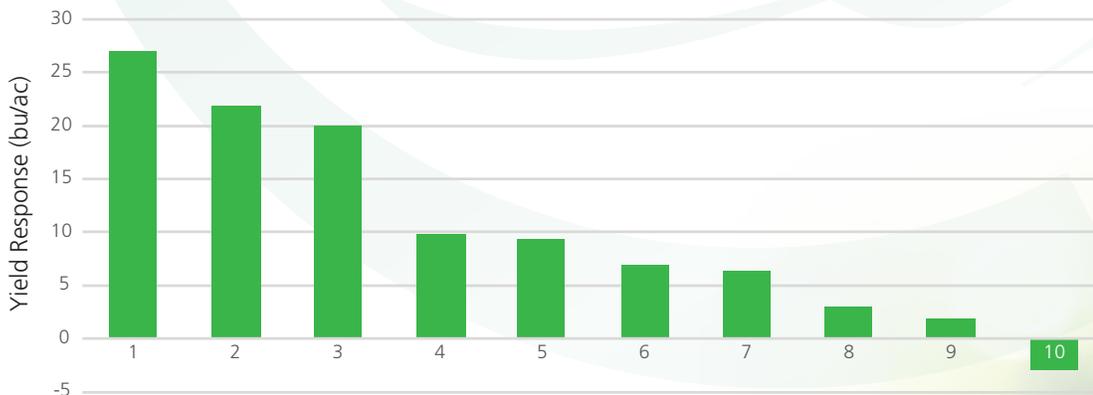
Applications of NUTRIO UNLOCK to inoculate soils with beneficial bacteria may be particularly important following soil fumigation, solarization, fallow or application of lime to correct acid soils.

NUTRIO UNLOCK should be used as part of a comprehensive Total Nutrition System® for optimizing plant growth, development, yield and quality.

Benefits Attributed to Beneficial Soil Bacteria

- Organic matter mineralization
- Enhances phosphorus availability
- Plant growth promotion and development
- Enhanced resistance to stress
- Stabilization of soil aggregates
- Retention of nutrients in the soil-plant system
- Increased plant growth and yield

UNLOCK Applied In-Furrow



10 Sites
90% win rate
Mean = 10.3 bpa

Rate = 1 qt/ac

BZU = 5 gpa

Corn

Guaranteed Analysis

Contains Non-Plant Food Ingredients:

Contains 60 million colony forming units (CFU) per gallon of the following:

<i>Rhodopseudomonas palustris</i>	2.26 x 10 ³ CFU/ml
<i>Bacillus brevis</i>	2.26 x 10 ³ CFU/ml
<i>Bacillus licheniformis</i>	2.26 x 10 ³ CFU/ml
<i>Streptomyces griseus</i>	2.26 x 10 ³ CFU/ml
<i>Bacillus megaterium</i>	2.26 x 10 ³ CFU/ml
<i>Rhodococcus rhodochrous</i>	2.26 x 10 ³ CFU/ml
<i>Lactobacillus plantarum</i>	2.26 x 10 ³ CFU/ml

Directions for Use

NUTRIO UNLOCK can be blended with liquid fertilizers and soil amendments to be applied in ground application equipment and through fertigation equipment.

STARTER OR SIDEDRESS: Apply 1-4 pints per acre.

BROADCAST AND FERTIGATION: Apply 2-4 quarts per acre in enough solution to provide thorough coverage. If sprayed on soil surface, follow with an irrigation of at least ½” as soon as possible.

MANURE APPLICATIONS: 2-4 quarts per acre (2-4 quarts per 3,000-3,500 gallons of liquid manure).

10 replicated independent third party trials in Texas and North Dakota on corn investigating the effects on yield of 3-5 gallons per acre TILL-IT® BLUE-ZONE® ULTRA in-furrow with 1 quart per acre of NUTRIO UNLOCK.