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 phosphorous 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
- Important following soil fumigation, solarization, fallow, flood, or application of lime to correct acid soils.

### Guaranteed Analysis

**Contains Non-Plant Food Ingredients:**

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

- *Rhodobacter palustris*: \(2.26 \times 10^3 \text{ CFU/ml}\)
- *Bacillus brevis*: \(2.26 \times 10^3 \text{ CFU/ml}\)
- *Bacillus licheniformis*: \(2.26 \times 10^3 \text{ CFU/ml}\)
- *Streptomyces griseus*: \(2.26 \times 10^3 \text{ CFU/ml}\)
- *Bacillus megaterium*: \(2.26 \times 10^3 \text{ CFU/ml}\)
- *Rhodococcus rhodochrous*: \(2.26 \times 10^3 \text{ CFU/ml}\)
- *Lactobacillus plantarum*: \(2.26 \times 10^3 \text{ CFU/ml}\)

### 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 1-2 pints per acre.

**BROADCAST:** Apply 2-4 quarts per acre in enough solution to provide thorough coverage.

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

7 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 and without 1 quart per acre of **NUTRIO UNLOCK**.

<table>
<thead>
<tr>
<th># Trials</th>
<th>Avg. Yield Gain Over Control</th>
<th>Avg. Yield Gain Over BZU</th>
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<tbody>
<tr>
<td>TILL-IT® BLUE-ZONE® ULTRA (BZU)</td>
<td>7</td>
<td>8.91</td>
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<tr>
<td>NUTRIO UNLOCK</td>
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<tr>
<td>PURIC™</td>
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<td>Super 50</td>
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<td>Take Off® Booster</td>
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<td>MAX SET® ULTRA</td>
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<td>Torque® HC</td>
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<td>Incite™</td>
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For information only. Not a label. Prior to use, always read and follow the product label directions. Also available in all states. Please contact your Wilbur-Ellis representative for product availability and registration.

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Take Off is a registered trademark of Verdesian Life Sciences. Incite is a trademark of LidoChem, Inc. K-1015-708

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