



## GRANULAR SOIL INOCULANT

### About NutriWise

**NutriWise** (5-3-0 + 1.5% Ca, 1% S, 1.5% Fe, 0.5% Zn with 3% Humic acids) is an environmentally friendly granular soil inoculant that fixes nitrogen from the atmosphere, solubilizes phosphate and unlocks potassium from the soil.

### Microbial Components

*Substantiated by GHEOM by Biomemakers*

- Blend of naturally occurring microbes that work together to convert resources already present in the soil and atmosphere into useable plant nutrition
- **Rhizosphere competent** – sourced from the soil
- **Quality assured** – professionally fermented and backed by Certificate of Analysis documenting the cfu/gram counts
  - ✓ *Bacillus amyloliquefaciens*
  - ✓ *Bacillus megaterium*
  - ✓ *Bacillus subtilis*
  - ✓ *Saccharomyces cerevisiae*
  - ✓ *Trichoderma harzianum*

### Application Instructions

For use with conventional and organic granular fertilizers: Replace 20 - 25% of soil applied granular NPK with an equal amount by weight of NutriWise.

Apply as normal and follow same application method and schedule as normal fertility program.

Follow up with foliar applications of NutriWise WSP to maintain microbial populations in between granular applications.

### Soil & Plant Benefits

- Improves the Nutrient Use Efficiency (NUE) of chemical fertilizers blended with NutriWise and can effectively replace 20-25% of soil applied fertilizer
- Improves soil fertility
- Reduces the leaching of chemical fertilizers
- Improves the soil environment for beneficial microbes
- Provides consistent, uniform slow-release of nitrogen
- Eliminates growth surges - nitrogen is released gradually throughout the plant's growth cycle.

### Nutritional Benefits

- In addition to the 5% nitrogen contained within the granule, NutriWise elicits higher populations of native N-fixing microbes, which results in the microbial conversion of N into available forms
- NutriWise microbes have shown higher N-fixing ability than common free-living N-fixing microbes
- The specifically selected microbes contained in each NutriWise granule form a symbiotic community of mutually interdependent nutrient-releasing microbes
- When the microbes are signaled by the plant that it requires nutrients, NutriWise initiates the conversion and delivery process by:
  - ✓ *Microbial solubilization of phosphate into soluble forms of phosphorus*
  - ✓ *Unlocking potassium in the soil into exchangeable potassium*