

# BLACK INOC

STERLING'S MILK BASED MICROBIAL INOCULANT FOR ALL CROPS AND PASTURES

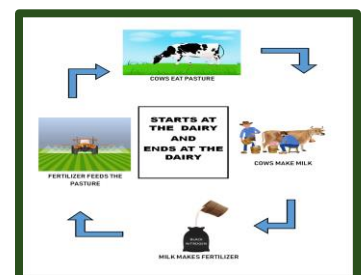


## KEY BENEFITS

- 320 BILLION CFU/# of beneficial soil microbes
- Fixes atmospheric Nitrogen into plant available form
- Solubilizes Phosphorus to enhance “P” uptake by plants
- Enhances Phosphorus availability and reduces “P” loss
- Optimizes the release and mobilization of plant nutrients
- Stimulates enzymes that regulate plant growth and development
- Improves beneficial root colonization to maximize nutrient uptake

## APPLICATION RECOMMENDATIONS

- 1 pound per acre
- Dilute in 10-25 gallons of water per acre for wet applications
- Specific recommendations are crop and site dependent
- Sterling Agriculture, Inc. consultation is recommended



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## TECHNICAL INFORMATION

Black Inoc is a patent pending blend of the following: Certified organic milk, Humic acid, Fulvic acid, L-Amino acids (milk and plant sources), Sterling beneficial soil microbes

### Additional details:

Milk has Urea Nitrogen in it and L-AMINO ACIDS to create available Nitrogen

Humic and Fulvic acids are chelators. They combine minerals to make them into organic compounds that can be ingested by plants more easily. They also enable the soil to hold more water and can increase the water infiltration of the soil. Additionally, Humic and Fulvic acids restrict toxins present in the soil, reducing the amount of harmful substances that reach the crop's roots.

L-Amino Acids from milk and plants supplement your crops and pastures so that they do not need to work as hard to generate growth from oxygen, carbon, nitrogen, hydrogen and sulfur. Your plant has much more available energy. This helps it maintain not only vigorous growth but pest and disease resistance, greater yields with higher BRIX AND RFQ.

Sterling beneficial soil microbes with 320 BILLION CFU/# consist of:

**Azo Brasilense** – Nitrogen fixer

**Bacillus Licheniformis** – facultative anaerobe, releases soil bound nutrients

**Bacillus Subtilis** – facultative anaerobe, releases soil bound nutrients, very good enzyme producer

**Bacillus Pumilus** – releases soil bound nutrients, growth promoter

**Bacillus Amylolyquefaciens** – facultative anaerobe, releases soil bound nutrients, very good enzyme producer

**Bacillus Megaterium** – very fast grower, releases soil bound nutrients (especially phosphorous)

**Bacillus Simplex**-**Bacillus Simplex** has a plant growth promoting rhizobacterium shown to synthesize anti-fungal peptides. This ability has led to the use of B. Simplex in biocontrol. B. Simplex has been shown to increase crop yields.

**Pseudomonas Putida**-Induces plant growth and protects the plants from pathogens.

**Streptomyces Lydicus**-It belongs to the largest antibiotic-producing genus in the microbial world. Root colonizing bacteria that protects and mobilizes nutrients, especially iron.

**Trichoderma Harzianum**-is a fungus that is also used as a fungicide.

