



PhycoTerra® ST (Seed Treatment)

A new PhycoTerra® formulation specifically designed to supercharge a distinct and important microbiome exists at the seed/soil interface called the spermosphere

SPERMOSPHERE BASICS

- Short-lived, microbial distinct zone around a seed is known as the spermosphere.
- Spermosphere microbes provide critical functions that work to enhance germination and early plant development, setting the stage for optimum yield
- Seeds “pay” for microbial “work” with carbon exudates during germination and early plant establishment

The ingredients in PhycoTerra® ST help beneficial microbes in close proximity to freshly planted seeds to thrive like nothing else. A healthy microbiome greatly improves your soils ability to provide necessary water and nutrients to germinating seeds providing optimum germination, early plants development and crop yield.

WHAT IS PHYCOTERRA® ST?

- PhycoTerra® ST adds a unique high-quality carbon source to the seed
- PhycoTerra® ST supercharges spermosphere function around the seed, improving germination, early crop establishment, yield and quality

USE RATE GUIDELINES

Corn PhycoTerra® ST @ 2-5oz. / CWT

Soybeans PhycoTerra® ST @ 2-5oz. / CWT

Cereal Grains PhycoTerra® ST @ 2-5 oz per CWT

Cotton PhycoTerra® ST @ 2-4 oz per CWT

Available in 2.5 gallon jugs (2x2.5 gal.) and 15 gallon kegs

CORN

Aberdeen, SD 2020, silt loam/silty clay loam, rate 2oz/CWT

- 209.0 bu/ac - PhycoTerra® ST + Grower Standard products
- 198.8 bu/ac - Grower Standard (urea + urease inhibitor, high phosphate starter)
- +10.2 bu/ac (4.9%) increase or +\$39.98/acre over Grower Standard
- 3% improvement in test weight over Grower Standard
- ROI: 83:1

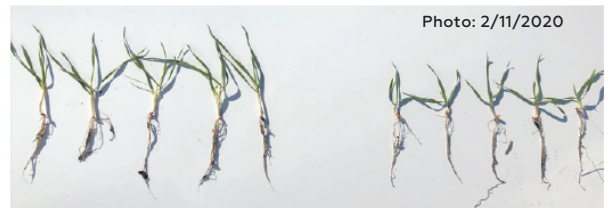
SOYBEANS

Crestwood, KY 2020 Silt loam, rate 2oz/CWT

| Variable | Grower Standard Avg. | PhycoTerra® ST (2 oz/CWT) |
|--------------------------|----------------------|---------------------------|
| Yield (bu/ac) | 21.6 | 23.7 |
| Yield Difference (bu/ac) | - | +2.1 |
| % Yield Difference | - | +8.9% |
| \$/acre @ \$10.66/bu | 230.26 | 252.64 |
| ROI | - | 19:1 |

WHEAT

Hertford, NC Planted 11/7/2019, loamy fine sand/ fine sandy loam - rate 5oz/CWT



Winter Wheat Fungicide/Insecticide + PhycoTerra® ST (5 oz./CWT)

Winter Wheat Fungicide/Insecticide only

Yield's and ROI's, 3 locations, planted fall 2020

