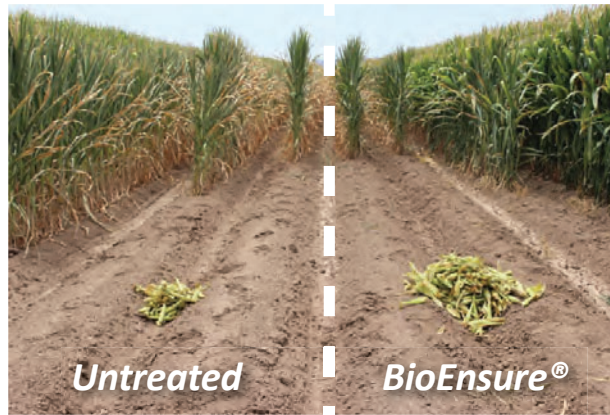


Novel Biological Inoculants for Commercial Seed Treating



Our microbial seed and plant treatments have been developed to confer positive symbiotic benefits to a diverse line of crops. The fungi in **BioEnsure**[®] provide protection from high stress growing conditions and increase plant nutrient use efficiency. The bacteria in **BioTango**[™] solubilize soil nutrients and minerals to enhance plant nutrition. When used in tandem the microbes synergize to produce even greater functionality. Growers have witnessed some impressive results in their crops:

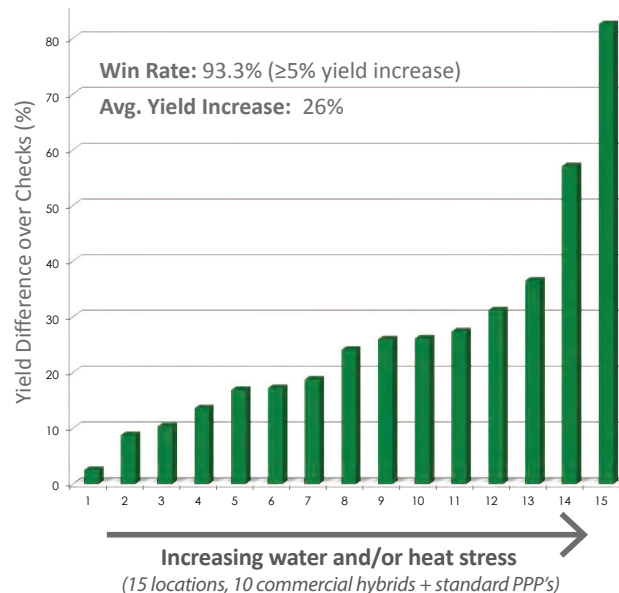
- + Increased yield & yield quality
- + Increased plant biomass
- + Improved seed germination
- + Enhanced seedling growth
- + Decreased irrigation needs



Corn fields under hot dry conditions. Unexpected irrigation loss added extra stress to a grower's field, resulting in a ~275% yield increase in the **BioEnsure**[®] treated plot.

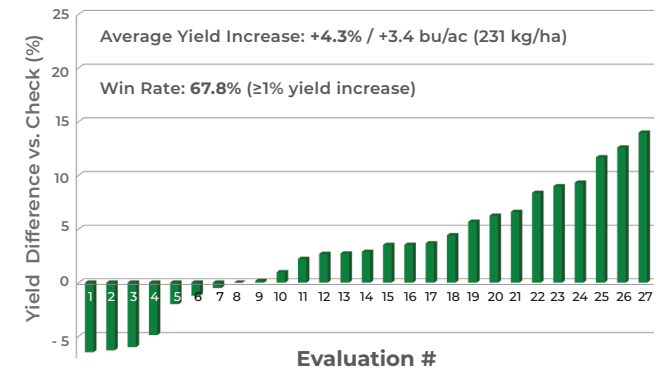
Our methods mimic how native plants around the globe can thrive in harsh environments, by utilizing symbiotic fungi that increase their tolerance to abiotic stress. Multiple years of trials have consistently proven this system of protection to crops under heat & drought stress.

Corn Under Drought and/or Heat Stress



BioEnsure[®] is not only a yield enhancer under times of abiotic stress, it also performs impressively under optimal growing conditions. This cumulative graph assesses 4 years of data for low stress corn trials.

Soy Under Low Stress Conditions



(Compilation of 27 field evaluations in 10 locations. 5 commercial hybrids + standard PPP's)

Easy application:

- + Compatible with commonly used fertilizers, fungicides & seed treating equipment.
- + Low application rates for on-seed, in-furrow or foliar spray treatments.
- + Sold in liquid and powder formulation.
- + Can be applied to all major crops.



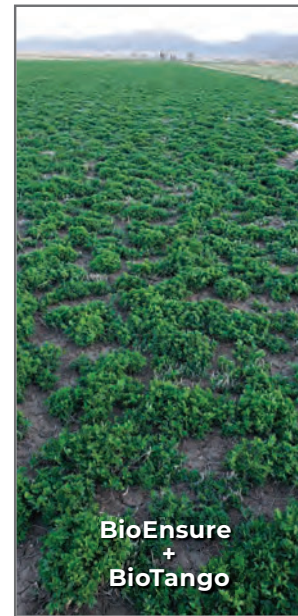
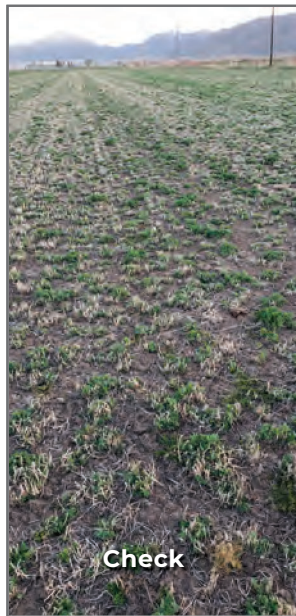
biotangoTM
Bacterial Inoculant

BioTangoTM is a powdered seed treatment containing multiple bacterial strains that solubilize bound soil minerals and nutrients, such as phosphorous and potassium. It can also fix soil nitrogen making it more available to the plant. This dynamic bacterial blend is designed to increase availability of plant nutrients to the root system and expand plant health.

Designed to be easy to use:

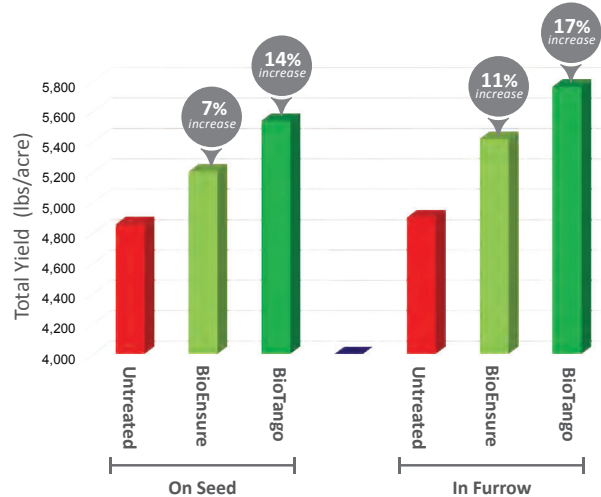
- + Compatible with existing seed treating equipment and chemicals.
- + Low application rates for In-Furrow, On-Seed or Foliar use.
- + Dissolve in water, or fertilizer, and treat.
- + Two year shelf-life at room temp.

When **BioTango**TM is used with **BioEnsure**[®] the diverse microbial blends work synergistically to achieve **more together** than when either is used alone. The duo gives growers assurance that their plants are stress tolerant, with the benefit of increased nutrients for better plant health and growth.



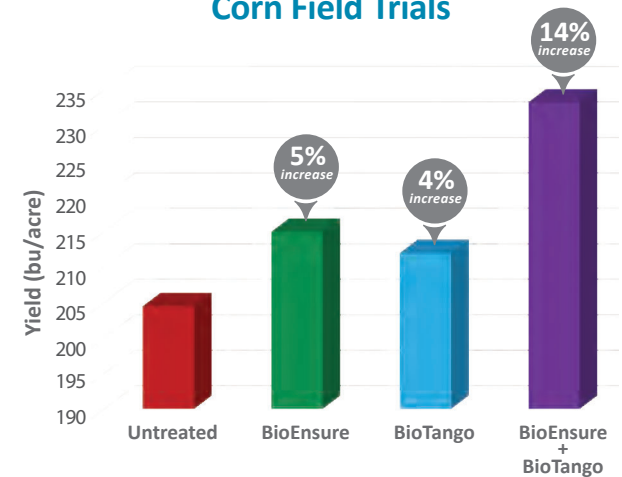
Foliar application of **BioEnsure**[®] + **BioTango**TM applied to a Nevada alfalfa field in Fall of 2018. Early season emergence and cold tolerance is very clear from the plot treated with **BioEnsure**[®] + **BioTango**TM.

Alfalfa Field Trials



(2018 Wisconsin Alfalfa Trial, plots 10'x25', 4 reps/treatment)

Corn Field Trials



(Corn Trials in Indiana, plots 10'x25', 8 reps/treatment)

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