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TerraMax Inc.

Maximizing Earth's Potential

Microbial rEvolution

December 9th, 2019

In Our Lifetime

- **Microorganisms becoming recognized and proven to be integral parts of the processes of life**
 - Manganese as the “MOA” for controlling “Take All” disease in wheat
 - Gut microbes accepted as providing benefits – breakdown of lactic acid in elite athletes, 2019
 - Bacteria in fungus??

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Industry Performance Criteria

- Function First
 - First it has to work!!
- Sound Science
- Meets Existing Use Practices
- Return on Investment

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TerraMax Works with Microorganisms

- **IDENTIFY** microbial strains
- **SELECT** for specific activity
- **STABILIZE** for survival and longevity
- **Effective / Consistent**

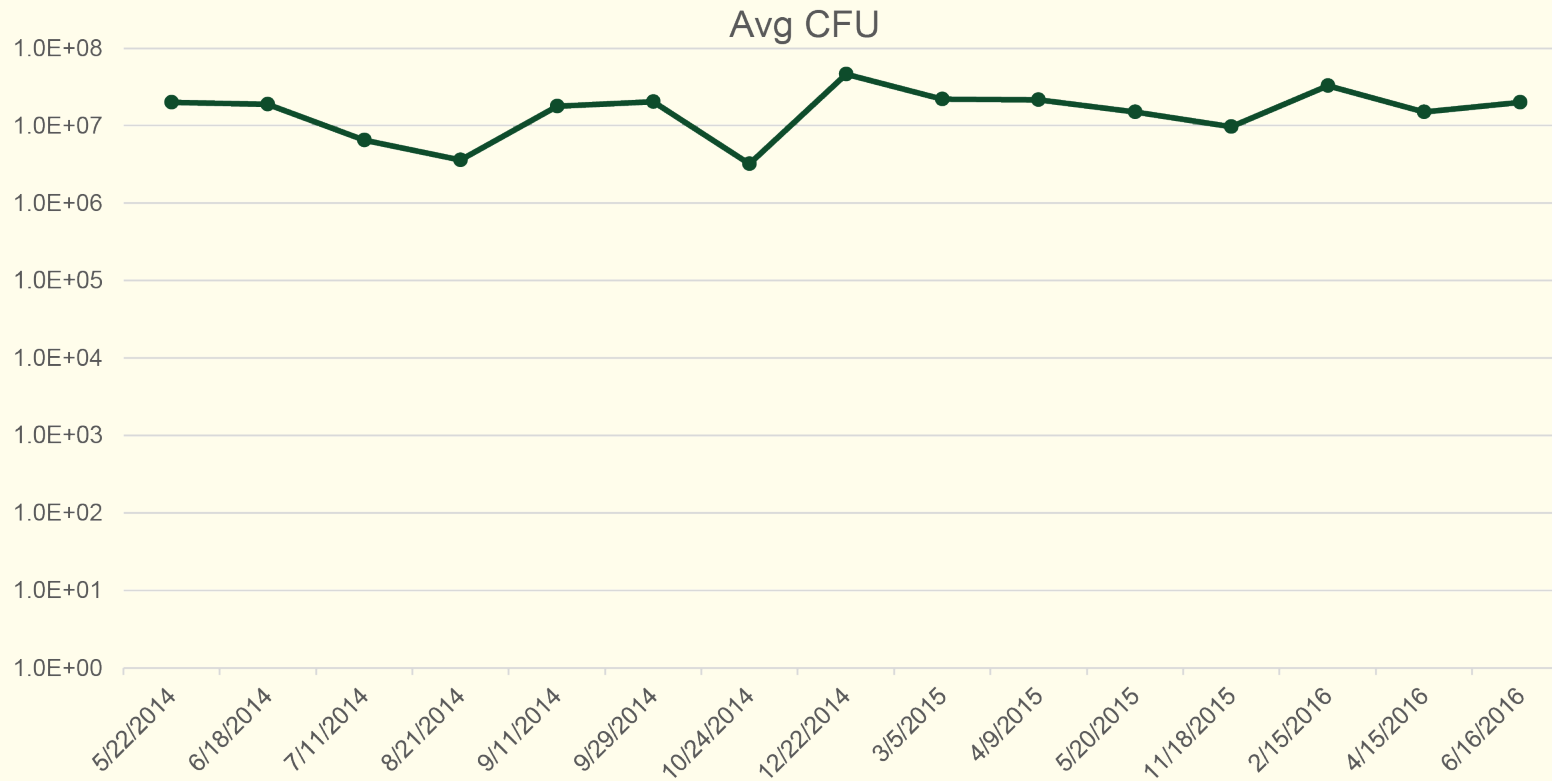
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Bradyrhizobium Inoculant Stability

in kegs, Colony forming units (CFU)

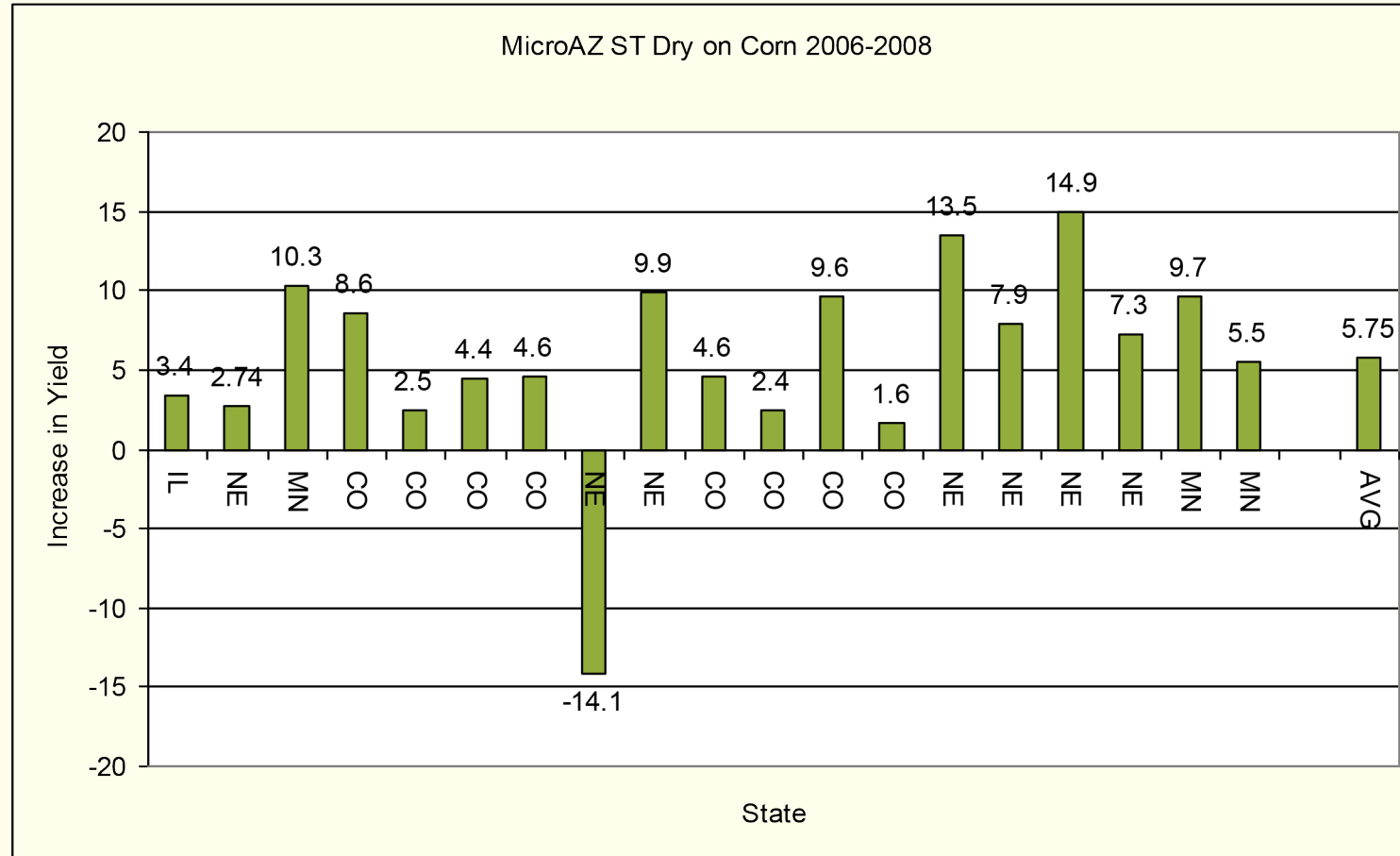


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Summary of MicroAZ-ST Dry Seed Treatment 2006 –2008 Corn - Consistency



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PRACTICAL FARM RESEARCH

PFR **PROVEN**



Value

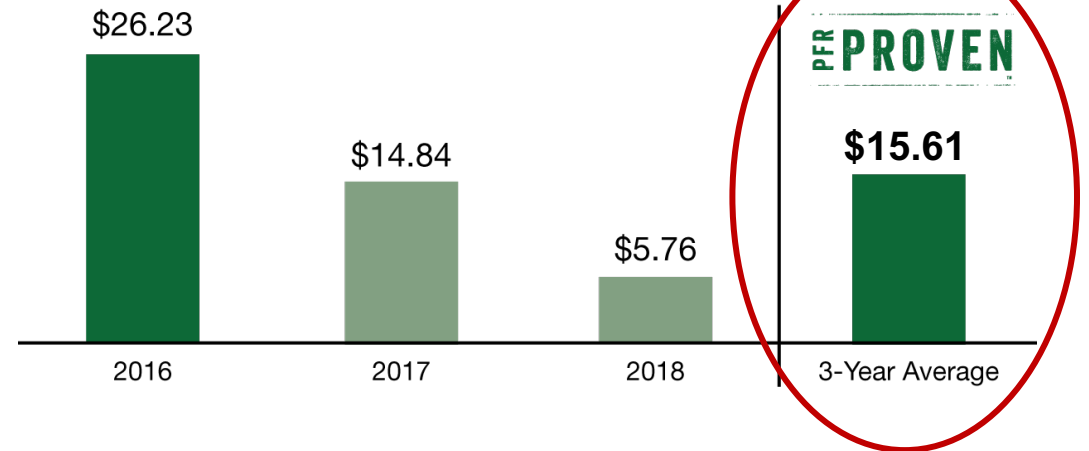
IN-FURROW TREATMENTS	EMERGED POPULATION	POPULATION DIFFERENCE	BU./A.	BU./A. DIFFERENCE	RETURN ON INVESTMENT
Control Starter:	32,165	--	222.3	--	--
Starter + 1 pt. NanoZyme 2.0	31,599	-566	226.8	+4.5	+\$13.89
Starter + 1 qt. MicroCarb ZMB™	32,366	+201	226.7	+4.4	+\$12.83
Starter + 12.8 oz. MicroAZ-IF Liquid™	32,020	-145	225.3	+3.0	+\$5.76
Starter + 1 pt. Environoc® 401	32,553	+388	223.5	+1.2	-\$3.30

Corn \$3.92/Bu. Environoc® 401 \$64.00/gal. MicroAZ-IF Liquid™ \$60.00/gal. NanoZyme 2.0 \$30.00/gal. MicroCarb ZMB™ 17.63/gal. These results are based on the disclosed study parameters and participating sites.

PARTICIPATING SITES



3-YEAR MULTI-LOCATION MICROAZ-IF LIQUID™ ROI



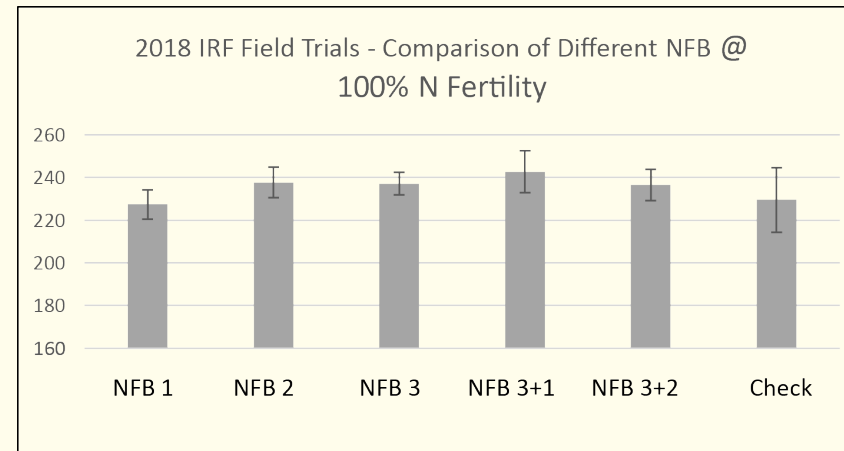
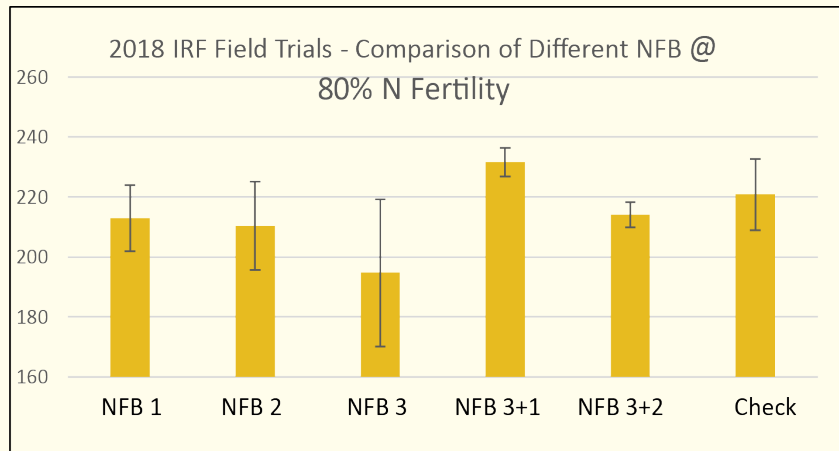
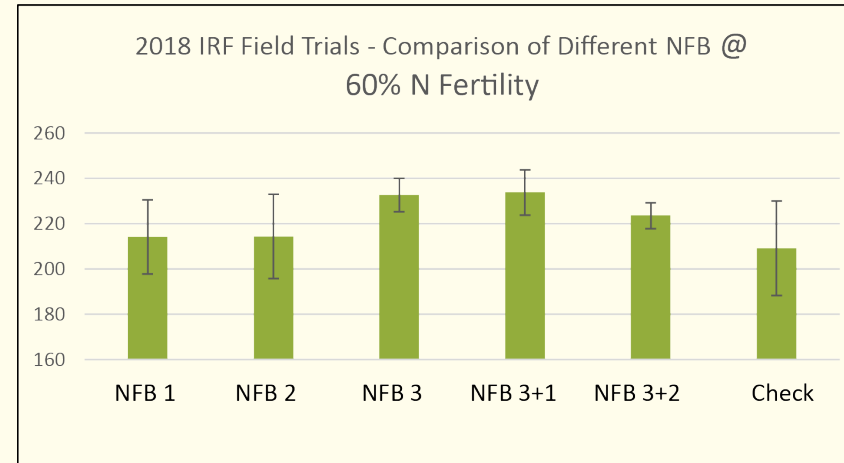
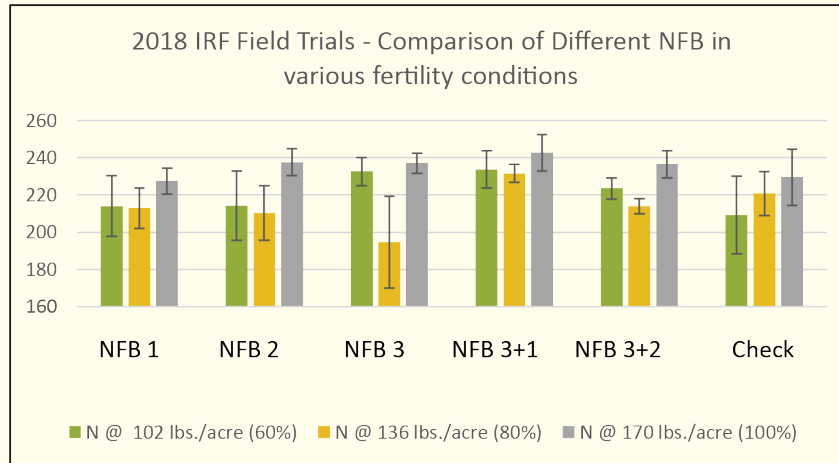
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2018 Field Trial Evaluations - Future

IRF [Corn]

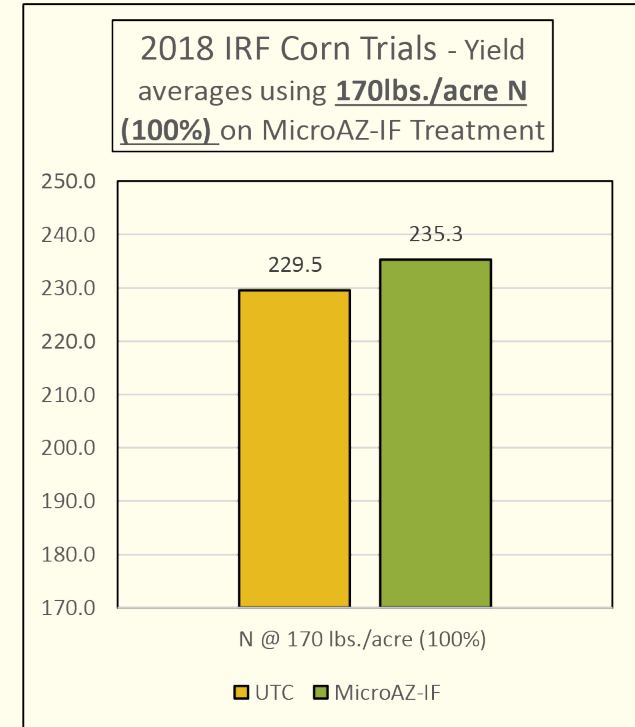
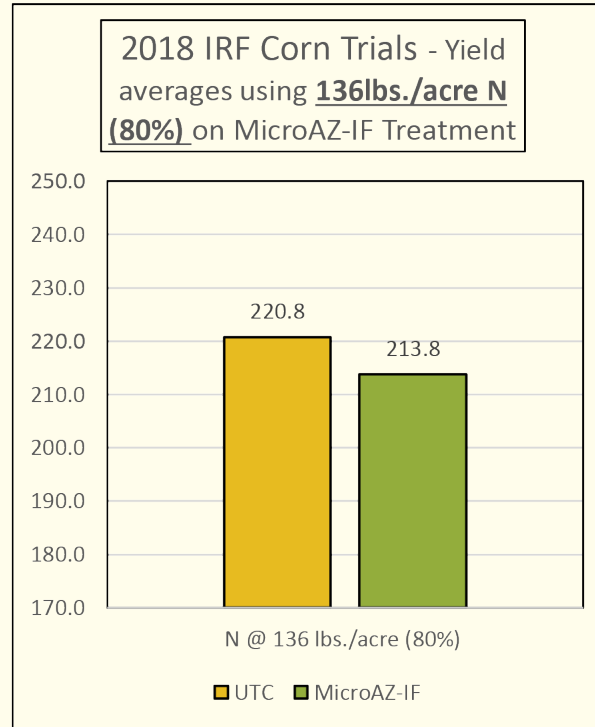
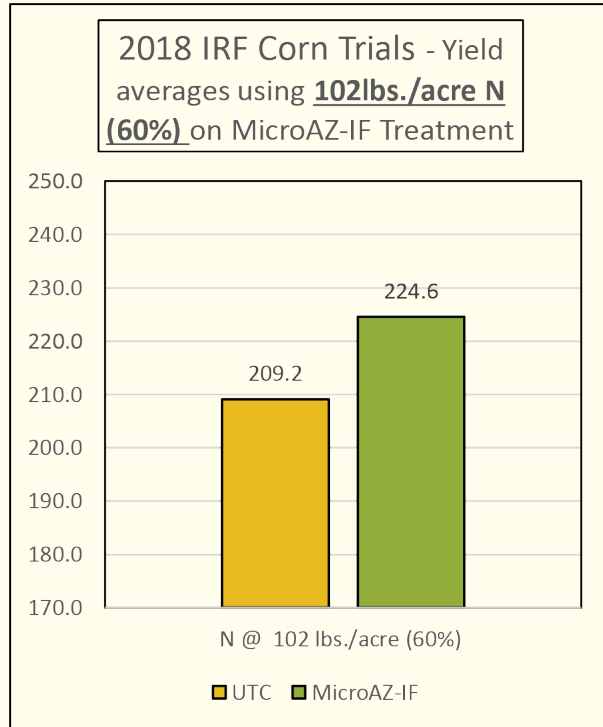


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2018 Corn Field Trial Evaluations

2018 IRF Corn In-Furrow Treatment Field Trials (4 Reps per Treatment)



Overall Results:

- MicroAZ-IF > UTC, 2 out of 3 fertility regimes
- An assessment can begin determining the amount of nitrogen the treatment of MicroAZ-IF supplies to the corn in these trials.

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Winter Forage –Triticale – Protein per Acre

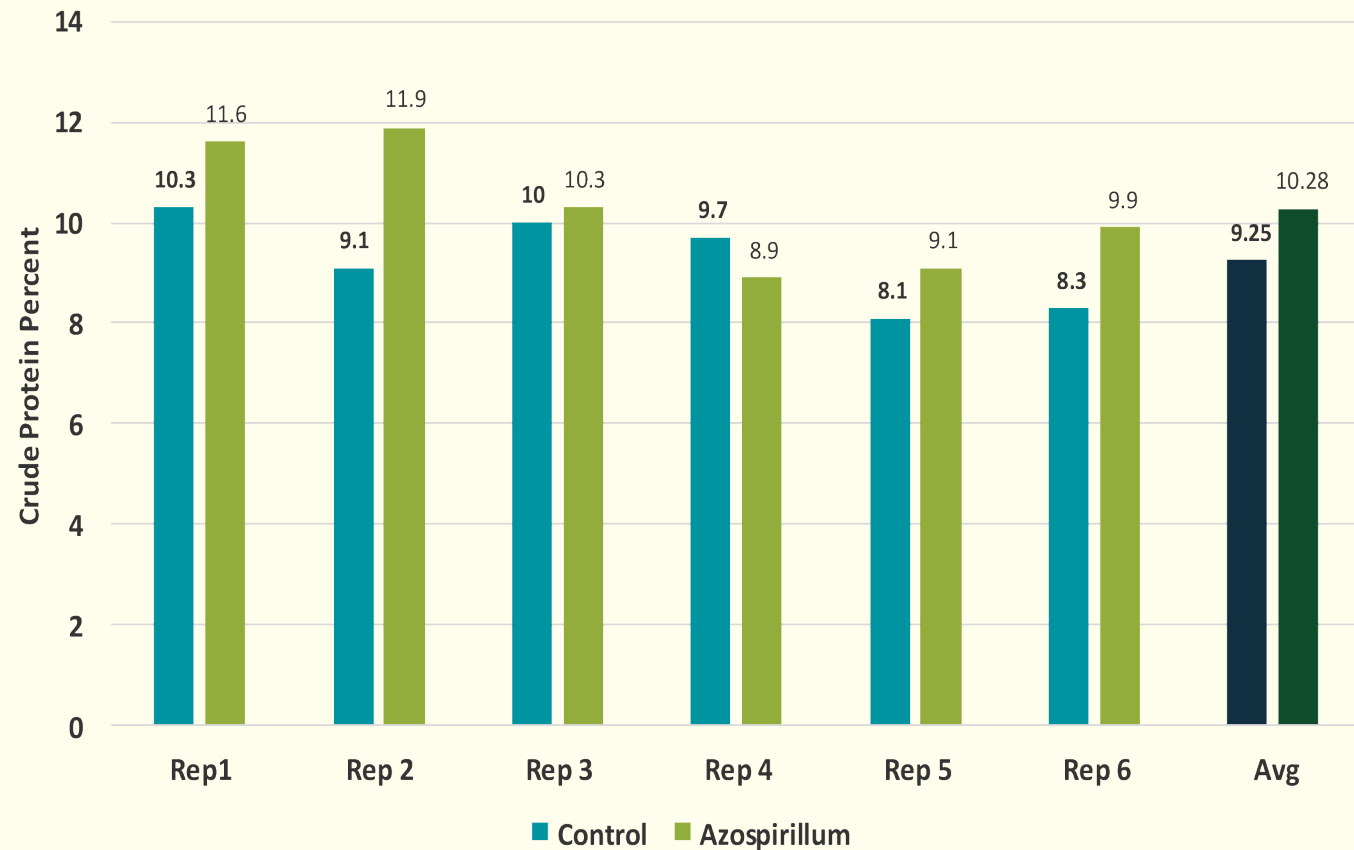
Field work done by a TerraMax distributor on winter forage Triticale. The product was MicroAZ-ST Liquid and used at a rate of 4 oz / 100 lbs. Applied and planted Mid October 2016, Harvested 5/12/2017.

Protein analysis done by Oklahoma State University

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Percent Protein Triticale - Oklahoma 2016-2017



Market Direction

- **Nitrogen Fixing Bacteria (NFB)**
- **Nutrient Availability / Mobilization**
- **Select Biocontrol Opportunities**

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TerraMax, the Company

- **Founded in 1998**
- **Focused on improved plant performance with microbial products**
- **Global provider of Agricultural, Horticultural and Turf products (exporting to Asia and Europe)**
- **Products service both the conventional and organic markets**
- **Products utilize a versatile, proprietary microbial stabilization technology**
- **Products are scientifically evaluated for performance**
- **A performance-driven working culture**

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TerraMax Inc. New Facility

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THANK YOU!