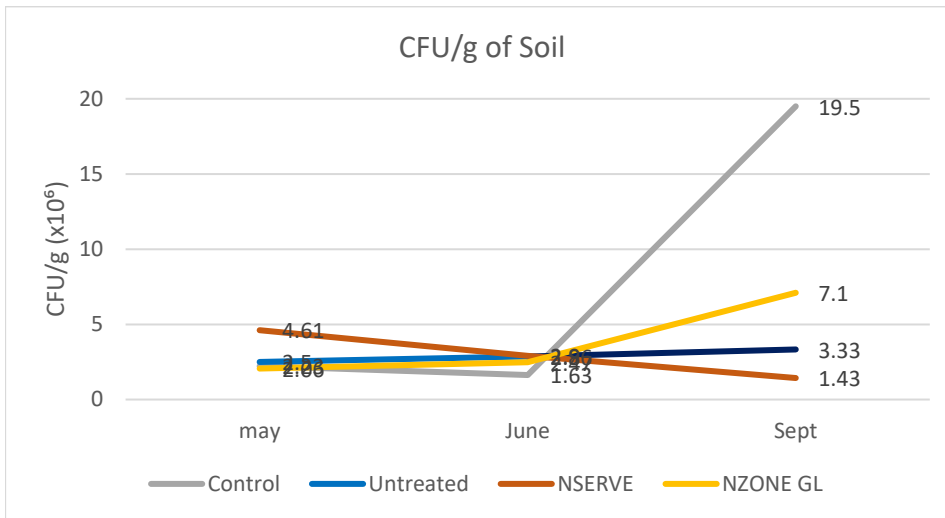


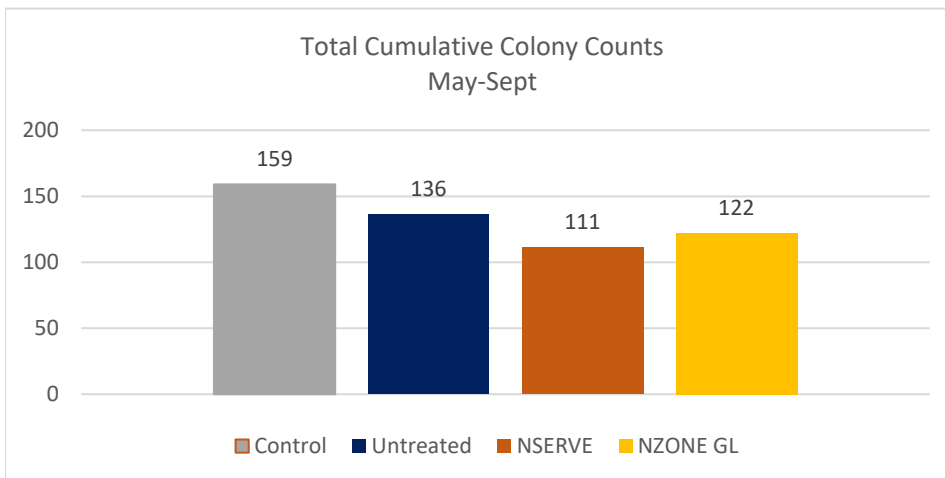
2018 AA Soil Microbial Test Acres Research Cedar Falls, IA



The purpose of this test was to evaluate NZONE GL treated Anhydrous Ammonia (AA) and its effect on soil microbe populations when applied in a northeastern Iowa corn production system. The research site consisted of a corn-on-corn field, with 4 treatments of 200 lb. of nitrogen (AA) applied per acre and 3 replications. The treatments consisted of anhydrous ammonia treated with NZONE GL, NSERVE, Untreated and a control. Soil samples were taken on 5/31/18, 6/20/18 and 9/11/18. Each soil sample was analyzed by EMSL Analytical, Inc. in San Leandro, CA, for microbial colony counts and CFU/g of soil. The chart below represents the total average of 4 treatments over the sampling period in CFU/g and total colony counts.



23%
Increase in biological activity (CFUs) when using NZONE GL vs competition.



Crop:	Corn
Variety:	PO506AM
Planting Rate:	35000 S/A
Depth, Unit:	1.5 in
Row Spacing, Unit:	30 in
Planting Date:	4/27/18
Emergence Date:	5/8/18
Tillage Type:	Conv
Study Design:	RACOBL
Soil Type:	Floyd Loam
%OM:	4.2
pH:	6.8
CEC:	15.4

*Yields were not collected due to storm/wind damage, an attempt was made to collect from reps 1 and 2.

Data and Results submitted by: Dr. Bert Schou
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