



Vitazyme Field Tests for 2020

Vitazyme Improves Nitrogen and Water Efficiency.



A study conducted by Dr. David Clay and Graig Reicks at South Dakota State University, at the Aurora Research Farm in 2014 (photo 1), revealed that

Vitazyme improves corn yield, while significantly increasing the efficiency of nitrogen and water utilization. The season was wet and yields in general in the area were high, but even so a typical high nitrogen rate of 125lb/acre produced superior leaf and stalk growth (photo3), and expanded the root mass considerably above the non - Vitazyme treated control (photo 2). Ear size was noticeably increased in representative ears sampled at harvest time (photos 4 and 5). Note the longer and wider ears with Vitazyme treatment. The yield of grain was increased significantly by about 9 bu/acre, and nitrogen efficiency was improved by 0.066 bu/lb of N. Moreover, the yield loss due to water stress was reduced from 14.2 bu/acre in the control to only 5.0 bu/acre with Vitazyme. These results show how a simple addition of this product to the grower's program can improve the yield of grain through improved fertilizer

and water utilization. It is a program designed for corn growers everywhere whose intent is to maximize yields with a minimum of nitrogen use.



Corn yield at 125 lb N/acre
Control..... 161.0 bu/acre
Vitazyme 170.1 bu/acre

Nitrogen efficiency at 125 lb/acre
Control..... 0.400 bu/lb of N
Vitazyme 0.466 bu/lb of N

Yield loss from water stress at 125 lb N/acre
Control..... 14.2 bu/acre
Vitazyme 5.0 bu/acre