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2008 Crop Results

Vitazyme on Corn

Researcher/Farmer: Rick Nichols
Variety: Pioneer 34Y88 (non-GMO)
Row spacing: 30 inches
Planting date: May 4, 2008
Location: Hebron, Indiana
Soil type: silty clay "gumbo"
Population: 34,000 seeds/acre
Previous crop: soybeans

Experimental design: A field was divided into a control area receiving no sidedressed nitrogen or Vitazyme, and a treated area receiving both. The objective of the test was to evaluate the effect of combined sidedressed nitrogen plus Vitazyme on crop yield.

1. Control **2. Vitazyme + sidedressed nitrogen**

Fertilization: Before planting: 140 lb/acre nitrogen, as urea. At planting: 300 lb/acre 18-46-60% N-P_2O_5-K_2O placed 4 inches to the side of the seeds. At sidedressing, in June (corn about 2 feet tall): 40 lb/acre nitrogen as a 28% solution

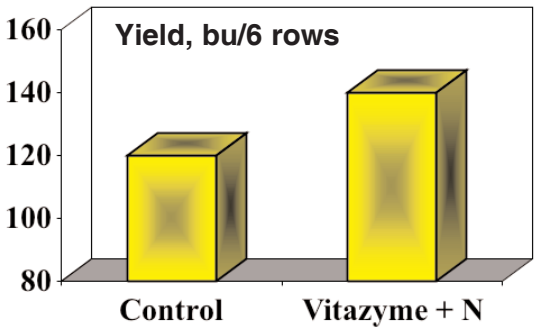
Vitazyme application: 13 oz/acre with sidedressed nitrogen on the treated area, applied in June at the 2-foot height

Harvest date: October 7, 2008

Yield results: Six rows of field length were harvested and weighed from each treatment in passes near one another. However, no row length was measured, so per acre yields were not obtained.

Treatment	Yield	Increase
	bu/6 rows	bu/6 rows
1. Control	120	—
2. Vitazyme + Sidedressed N	140	20 (+17%)

Increase in corn yield: 17%



Conclusions: In this northern Indiana corn trial, Vitazyme side-dressed with 40 lb/acre of nitrogen as a 28% solution increased the yield by 17% above the control. It was not possible to separate the effects of the nitrogen and the Vitazyme, but it is well documented that Vitazyme enhances the utilization of soil and fertilizer applied nutrients, especially nitrogen.