



FOLIAR PRODUCT STUDY - ENZYME MAX

PURPOSE

To evaluate the products Respire and Royal-Grow Enzyme Max, applied as foliar treatments on corn. Both products were applied at the V4 growth stage.

STUDY INFORMATION

Location	2015 Beck's Seed PFR in Indiana
Planted	5/2/2015
Harvested	9/22/2015
Population	34,000 seeds per acre
Row Width	30 inches
Previous Crop	DC Soybeans
Tillage	Fall Disk-Rip, Spring S-Tine
Herbicides	Pre: 1 quart Anthem ATZ Post: 1.67 qt. Lexar, 1 qt. Roundup PowerMAX
Insecticides	4.4 lb. Force 3G, Escalate
Brand Tested	6272AM-R

2015 DETAILED PLOT DATA

V4 TREATMENTS	BU./ACRE	BU./ACRE DIFFERENCE	NET RETURN	RETURN ON INVESTMENT
Control	201.7	--	\$810.83	--
12.8 oz. of Enzyme Max	214.7	+13.0	\$859.90	+\$49.07
8 oz. of Respire	212.7	+10.5	\$847.04	+\$36.21

OBSERVATION

This plot was planted very wet and experienced compaction at planting coupled with early season excessive water stress. From the results of the data, it appears that Enzyme Max may have alleviated the effects of compaction, helping to improve plant nutrient uptake, which are the product claims. Both products increased yield and return on investment substantially.

"A corn plant is really just a factory taking in water, nutrients, and using heat and sunlight to convert it to grain. The respiration rate of the plant is a big part of how much water and nutrients can be taken in by the plant...Products like Respire and Enzyme Max peak my interest when they have that much yield impact when applied early at the V4 growth stage."

- Brent Minett, Field Agronomist