

Starter Additive Study - Restore Base

CORN

PURPOSE:

To evaluate various additive products with Restore™ as the carrier, applied in-furrow and their effects on yield, moisture and profitability.

Treatment	Final Stand Count	Percent Moisture	Test Weight	BU. / A.	BU. / A. Difference	ROI
Control: 16 oz. Restore™	33,667	20.5	52.6	190.4	--	--
Restore™ + 1 pt. Soil Revitalizer	33,667	21.2	52.3	201.2	+ 10.8	+ \$30.55
Restore™ + 1 pt. iNvigorat [®]	33,333	20.9	52.2	195.4	+ 5.0	+ \$10.80
Restore™ + 1 pt. NanoZyme2.0	34,333	20.8	53	194.7	+ 4.3	+ \$10.18
Restore™ + 8 oz. eXceed™ Nano Brown Sugar	33,333	20.9	51.9	193.7	+ 3.3	+ \$8.82
Restore™ + 1 qt. Evergreen	31,667	20.2	52.2	189.9	- 0.5	- \$22.43

Corn \$3.24/Bu. - NanoZyme 2.0 \$30.00/gal. - eXceed™ Nano Brown Sugar \$30.00/gal. - Evergreen \$79.58/gal.

iNvigorat[®] \$68.00/gal. - Soil Revitalizer \$35.50/gal. (individual results may vary.)

Location	Fairfax
Planting Date	5/10/2017
Harvest Date	10/29/2017
Hybrid	Legend Seeds 9796 GENSSRIB
Population	34,500
Row Width	30
Previous Crop	Soybean
Tillage	Conventional
Herbicides	16 oz. Diflexx, 28 oz. Glyphosate

Soil Type	Silty Clay Loam			
Soil Test Values	pH	%O.M.	CEC	
	6.3	5.4	17.3	
% Base Saturation	%Ca	%Mg	%K	%H
	68.1	25.8	2.1	4
Parts Per Million	P	K	S	Zn
	28	140.7	1.6	1.3

OBSERVATION:

Restore™ has proven itself through its performance over 6 years to be a great base line starter in-furrow on corn. To that end, there are products in the industry that also show great ROI when added to starter fertilizers. Some of these products lose their effectiveness with starter fertilizers due to the salts. This is what birthed this study, 2nd year running. We are impressed with the addition of sugar products, as well as Soil Revitalizer in soils with high calcium like we have at this location. Soil Revitalizer assists the process of breaking free the phosphorus and other nutrients tied to calcium.

