

On-Farm Comparison Results Emanuel

Nebraska Soybean & Feed Grains Profitability Project

Years:	2009
Title:	Nutrisphere & AVAIL Product Testing
Crop:	Corn
NSFGPP Operator:	Nick & Chuck Emanuel, Dodge County
Private Industry Cooperator:	Bill Murphy
Objective:	To determine & document the effect of replacing commercial fertilizer with alternate products on the profitability of corn production
Treatments:	Various product combinations. All treatments had 9-15-4-3-.05 starter applied. Nutrisphere and AVAIL applied at 1/2% by volume rate with liquid nitrogen.

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Results: 2009

Corn

<u>Variables & Location</u>	<u>(1)</u>	<u>(2)</u>	<u>Prob >/T/</u>
Check (1) vs. Nutrisphere (2), Kluck, Pivot (Midwest 76806VT3)			
Yield, bu/ac	207	207	0.865 ns
Moisture, %	18.1	18.1	0.892 ns
Cost/ac	---	\$1.93	
Planting Date: 5/04/09	Harvest Date: 11/05/09		

Check (1) vs. Nutrisphere (2), Feist, Non-irrigated (Dekalb 61-69)			
Yield, bu/ac	243	242	0.229 ns
Moisture, %	20.8	20.7	0.413 ns
Cost/ac	---	\$1.93	
Planting Date: 4/23/09	Harvest Date: 10/26/09		

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Check (1) vs. AVAIL (2), Rex, Furrow (Dekalb 61-69)

Yield, bu/ac	239	239	0.953 ns
Moisture, %	17.7	17.7	0.864 ns
Cost/ac	---	\$5.09	

Planting Date: 4/22/09

Harvest Date: 11/13/09

Variables & Location

(1)

(2)

Prob >/T/

Check (1) vs. AVAIL + Nutrisphere (2), Rex, Furrow (Dekalb 61-69)

Yield, bu/ac	238	236	0.885 ns
Moisture, %	18.8	17.9	0.225 ns
Cost/ac	---	\$7.02	

Planting Date: 4/22/09

Harvest Date: 11/13/09

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<u>Variables & Location</u>	<u>(1)</u>	<u>(2)</u>	<u>Prob >/T/</u>
AVAIL (1) vs. AVAIL + Nutrisphere (2), Rex, Furrow (Dekalb 61-69)			
Yield, bu/ac	227	229	0.774 ns
Moisture, %	18.7	18.6	0.778 ns
Cost/ac	\$5.09	\$7.02	
Planting Date: 4/22/09	Harvest Date: 11/13/09		

Nutrisphere (1) vs. AVAIL + Nutrisphere (2), Rex, Furrow (Dekalb 61-69)

Yield, bu/ac	235	231	0.411 ns
Moisture, %	18.2	18.2	0.878 ns
Cost/ac	\$1.92	\$7.02	
Planting Date: 4/22/09	Harvest Date: 11/13/09		

Summary: Grain yields and grain moisture at harvest were not affected by any of the treatments applied in 2009.