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On-Farm Comparison Results
Gross-Rhode

FINAL **Nebraska Soybean & Feed Grains Profitability Project** FINAL

Years:	2009-2010
Title:	Using Biosolids
Crop:	Soybeans/Corn
NSFGPP Operator:	Vaughn Gross-Rhode, Dodge County
Private Industry Cooperator:	Dave Varner
Objective:	To determine & document the profitability of using Biosolids as a nutrient in a corn/soybean rotation.
Treatments:	No Biosolids vs. Biosolids

April 2011

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Results: 2009 Soybeans (Hoegemeyer 303NRR)

Variables	None	Biosolids	Prob >/T/
Yield, bu/ac @ 13%	42	64	<0.0001 ***
Moisture, %	11.9	12.1	0.0107 **
Test Wt, lbs/bu	56.2	55.9	0.3392 ns
Plants, 1000/ac	135.6	135.0	0.9229 ns

Planting Date: Harvest Date: 11/6/09

Soil Test: 10/8/09

Check: Org. Matter 1.7, Bray P, 4.4, Zn 1.1

Biosolids: Org. Matter 1.8, Bray P, 16.0, Zn 2.0

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Results: 2010 Corn (Hoegemeyer 80412)

Variables	Check	Biosolids	Prob >/T/
Yield, bu/ac @ 15.5%	152	160	0.112 ns
Moisture, %	14.5	14.9	0.0834 *
Cost/ac			

Planting Date: 5/7/10 Harvest Date: 11/1/10

Summary: The application of Biosolids resulted in a significant increase in seed yield; however, moisture content at harvest was higher where Biosolids had been applied. The increase in seed yield is likely due to phosphorus in the Biosolids applied to this low phosphorus soil. In 2010, corn yields were not increased significantly; however, grain moisture was increased slightly. Plot was very variable due to excess rain.

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