



Nebraska On-Farm Research Network

Year: 2004

Title: Commercial Fertilizer vs. Biosolids

Crop: Corn

Study ID: 056053200401

County: Dodge

Objective: To determine and document the effect of replacing commercial fertilizer with municipal biosolids on the profitability of corn/soybean production.

Treatments: Commercial fertilizer vs. 16 Tons/ac Biosolids

Soil Test: pH 7.7, OM 3.0%, P(Olsen) 12 ppm,
P(Bray-1) 8.3 ppm, K 253 ppm,

Nebraska Soybean & Feed Grains Profitability Project



Extension is a Division of the Institute of Agriculture and Natural Resources at the University of Nebraska–Lincoln cooperating with the Counties and the United States Department of Agriculture.

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Results: 2004 Variety (Midwest 8125)

<u>Variable</u>	<u>Fertilizer</u>	<u>Biosolids</u>	<u>Prob >F</u>
Yield, bu/ac at 15.5%	186	195	0.0023 ***
Moisture, %	16.2	16.2	1.000 ns
Cost/ac	\$16.25*		-----
Cost/ac (spreading)		\$8.00	

* 100 lbs/ac

Summary: Grain yield was significantly higher where biosolids replaced commercial nitrogen fertilizer in 2004.

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