



Nebraska On-Farm Research Network

Years: 2003-2004
Title: In-season Cultivation
Crop: Corn
Study ID: 133177200301M2
County: Washington
Objective: To determine and document the effect of in season cultivation in biosolid and non-biosolid treated fields on the profitability of corn production.
Treatments: No in-season cultivation vs. in-season cultivation in two fields; with and without applied biosolids.

Nebraska Soybean & Feed Grains Profitability Project



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Results: 2003

<u>Variable</u>	<u>No Cultiv.</u>	<u>Cultivation</u>	<u>Prob >/T/</u>
Biosolid Field (Midwest 8122)			
Yield, bu/ac at 15.5%	158	156	0.662 ns
Moisture, %	27.0	26.3	0.336 ns
Test Wt., lbs/bu	49.4	49.2	0.715 ns
Cost/ac	-----	\$5.00	
No Biosolid Field (Midwest 8122)			
Yield, bu/ac at 15.5%	172	170	0.558 ns
Moisture, %	13.2	13.2	0.741 ns
Test Wt., lbs/bu	57.8	57.6	0.255 ns
Cost/ac	-----	\$5.00	

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Results: 2004 (Sucroosso 114)

<u>Variable</u>	<u>No Cultiv.</u>	<u>Cultivation</u>	<u>Prob >/T/</u>
Yield, bu/ac at 15%	195	191	0.0729 *
Moisture, %	21.5	21.8	0.4674 ns
Cost/ac	-----	\$7.00	

Summary: In-season cultivation had no effect on the growth of corn in 2003 in either field. In 2004, cultivation reduced grain yield slightly.

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