On-Farm Comparison Results

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Nebraska Soybean & Feed Grains Profitability Project

Years: **2003, 2005**

Title: **Time of Soybean Residue Removal on Corn Performance**

Crop: **Corn**

NSFGPP Operator: **Jerry Mulliken, Dodge County**

Private Industry Cooperator: **Jerry Mulliken**

Objective: **To determine and document the influence of time of removal of existing soybean residue on the profitability of producing corn.**

Treatments: **Removing existing soybean residue and planting vs. planting into strips where the residue is removed two weeks prior to planting (removed when early preplant herbicide is applied).**

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Results: **2003 (GH 8906)**

	Residue Removal		
Variable	At Planting	Early	Prob >/T/
Yield, bu/ac at 15.5%	103	105	0.659 ns
Moisture, %	12.4	12.6	0.033 **
Test Wt., lbs/bu	57.9	58.2	0.030 **
Pop., 1000 plants/ac	22.2	22.3	0.857 ns

Results: **2005 (Pioneer 33B51)**

	Residue Removal			
Variable	None	At Planting	Early	Prob >/F/
Yield, bu/ac at 15.5%	102	109	112	0.140 ns
Moisture, %	134	13.4	13.5	0.883 ns
Pop., 1000 plants/ac	25.4	25.2	25.2	0.904 ns
Cost/ac	----	$1.00	$1.00	

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Summary: **Early removal of soybean residue resulted in slightly higher moisture at harvest and slightly higher test weight in 2003. Row cleaning had no significant effect on corn growth in 2005.**