

On-Farm Comparison Results

- SCHLICHTEMEIER

Nebraska Soybean & Feed Grains Profitability Project

Year: 2004 - 2005

Title: Broadcast 11-52-0 on No-till

Crop: Corn/Soybean Rotation

NSFGPP Operator: Don Schlichtemeier, Cass County

Private Industry Cooperator: Bryon Chvatal

Objective: To determine and document the effect of 11-52-0 broadcast surface applied prior to planting on the profitability of corn and soybean production.

Treatments: No phosphorus fertilizer vs. 100 lbs/ac 11-52-0 broadcast prior to planting.

Soil Test: 2004 pH 6.2, O.M. 2.9%, Phos 18 ppm

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Results: 2004 (NK7152) Corn

<u>Variable</u>	<u>None</u>	<u>11-52-0</u>	<u>Prob > T </u>
Yield, bu/ac at 15.5%	186	187	0.772 ns
Moisture, %	15.9	15.9	0.905 ns
Cost/ac	---	\$14.30	---

Results: 2005 (Mycogen A812) Corn

<u>Variable</u>	<u>None</u>	<u>11-52-0</u>	<u>Prob > T </u>
Yield, bu/ac at 15.5%	177	179	0.166 ns
Moisture, %	13.9	13.9	1.000 ns
Test Wt, lbs/bu	59.9	60.1	0.052 *
Cost/ac	—	\$13.00	

Summary: The use of 11-52-0 had no effect on the growth and yield of corn in 2004. In 2005, the application of 11-52-0 resulted in a slight increase in test weight.