Nebraska Lincoln		n-Farm Comparison Results Hilgenkamp		
	Nebraska Soybean &	Feed Grains Profitability Project		
Y T C	'ears: ïtle: crop: ISFGPP Operator:	1995-2008 Lime Use on Acid Soils Corn (95, 97, 99, 01, 03, 05, 07) Soybeans (96, 98, 00, 02, 04, 06, 08) Rusty Hilgenkamp, Washington County		
P C T	Private Industry Coopera Objective: Treatments:	<i>tor:</i> Jim Peterson & Dave Varner To determine & document the profitability of using lime on acid soil in a corn/soybean rotation. No lime vs. lime according to soil test @ 2.5 ton/acre (prorated \$44/7 years). Soil pH: 5.5		

Nebraska Lincoln		On-Farm H	Comparis Hilgenkan	son Results	
	Nebraska Soybea	n & Feed Grains F	Profitability P	roject	
the second	Results: 1995 <u>Variable</u> Yield, bu/ac at 15.5% Moisture, % Test Wt, lbs/bu Cost/ac	Corn <u>No Lime</u> 74 16.4 57.8 	Lime 73 16.5 57.6 \$6.29	Prob >/T/ 0.59 ns 0.42 ns 0.07 *	
	Results: 1996 <u>Variable</u> Yield, bu/ac at 13% Moisture, % Test Wt, lbs/bu Cost/ac	Soybeans <u>No Lime</u> 42 9.0 56.1 	Lime 43 8.9 56.1 \$6.29	Prob >/T/ 0.32 ns 0.03 ** 0.88 ns	

Nebraska Lincoln		On-Farm (H	Comparis lilgenkam	on Results	
	Nebraska Soybear	h & Feed Grains P	rofitability P	roject	
たいです。そうしてい	Results: 1997 <u>Variable</u> Yield, bu/ac at 15.5% Moisture, % Test Wt, lbs/bu Cost/ac	Corn <u>No Lime</u> 121 19.5 56.4 	Lime 125 19.5 56.3 \$6.29	Prob >/T/ 0.10 * 0.56 ns 0.88 ns	
	Results: 1998 <u>Variable</u> Yield, bu/ac at 13% Moisture, % Test Wt, lbs/bu Cost/ac	Soybeans <u>No Lime</u> 50 12.8 55.2 	Lime 58 12.9 54.4 \$6.29	Prob >/T/ 0.0002 *** 0.48 ns 0.002 ***	

Nebraska Lincoln		On-Farm (H	Comparis lilgenkam	on Results	
	Nebraska Soybean	& Feed Grains P	rofitability P	roject	
The second second	Results: 1999 <u>Variable</u> Soil pH Yield, bu/ac at 15.5% Moisture, % Test Wt, lbs/bu Cost/ac	Corn <u>No Lime</u> 5.6 145 12.9 58.4 	Lime 6.3 149 12.5 58.1 \$6.29	Prob >/T/ 0.177 ns 0.002 *** 0.045 **	And and a second se
	Results: 2000 <u>Variable</u> Yield, bu/ac at 13% Moisture, % Test Wt, lbs/bu Cost/ac	Soybeans <u>No Lime</u> 37 8.7 57.4 	Lime 43 8.9 57.7 \$6.29	Prob >/T/ 0.0001 *** 0.0046 *** 0.099 *	

Nebraska Lincoln		On-Farm (H	Comparis Iilgenkan	son Results	
	Nebraska Soybea	n & Feed Grains P	rofitability P	roject	
A STREET	Results: 2001 Variable Soil pH Yield, bu/ac at 15.5% Moisture, % Test Wt, lbs/bu Cost/ac	Corn <u>No Lime</u> 5.3 130 15.1 58.0 	Lime 6.0 132 14.9 57.8 \$6.29	Prob >/T/ 0.657 ns 0.020 ** 0.128 ns	
	Results: 2002 <u>Variable</u> Soil pH Yield, bu/ac at 13% Moisture, % Test Wt, lbs/bu Cost/ac	Soybeans <u>No Lime</u> 5.2 43 9.9 55.6 	Lime 6.1 50 9.9 55.8 	Prob >/T/ 0.0003 *** 0.477 ns 0.284 ns	

Nebraska Lincoln		On-Farm (H	Comparis lilgenkam	on Results	
	Nebraska Soybean	& Feed Grains Pi	rofitability P	roject	
	Results: 2003 <u>Variable</u> Yield, bu/ac at 15.5% Moisture, % Test Wt, lbs/bu Cost/ac	Corn <u>No Lime</u> 88 12.5 60.1 	Lime 99 12.7 61.0 	Prob >/T/ 0.016 ** 0.171 ns 0.017 **	
	Results: 2004 <u>Variable</u> Yield, bu/ac at 13% Moisture, % Test Wt, lbs/bu Cost/ac	Soybeans (DK <u>No Lime</u> 40 11.2 56.2 	25-51) <u>Lime</u> 44 11.2 56.1 	Prob >/T/ 0.0067 *** 0.501 ns 0.803 ns	

Nebraska Lincoln		On-Farm (H	Comparis ilgenkarr	on Results	
	Nebraska Soybean	& Feed Grains Pi	ofitability P	roject	
	Results: 2005	Corn (Pioneer 33P97)			1 Part
	Variable	NoLime	Lime	Prob >/T/	
10	Soil pH	5.5	6.5		4
	Yield, bu/ac at 15.5%	145	147	0.306 ns	
18	Moisture, %	15.4	15.2	0.108 ns	
	Test Wt, lbs/bu	59.8	59.6	0.284 ns	
R	Results: 2006	Sovbeans (Aso	Irow 3005)		
	Variable	No Lime	Lime	Prob >/T/	\$
22	Yield, bu/ac at 13%	53	57	0.0186 **	
21	Moisture, %	14.9	14.9	0.7040 ns	
ante	Test Wt, lbs/bu	56.2	56.0	0.1084 ns	
	Plants, 1000/ac	133.8	125.8	0.1876 ns	
	Planting Date: 5/12/06	Harvesting Date: 10/2-	4/06		

Nebraska Lincoln		On-Farm (H	Compari lilgenka	son Results	
	Nebraska Soybe	an & Feed Grains P	rofitability	Project	
	Results: 2007	Corn (LG 2540B	ST)		
	<u>Variable</u>	No Lime	Lime	Prob >/T/	
	Soil pH	5.5	6.2		
	Yield, bu/ac at 15.5%	121	119	0.256 ns	-
2	Moisture, %	15.7	15.4	0.003 ***	
1p	Test Wt, Ibs/bu	58.7	58.7	0.859 ns	
	Plants, 1000/ac	20.4	19.8	0.756 ns	
	Planting Date: 5/2/07	Harvesting Date: 10/22/0)7		
- 1	Results: 2008	Soybeans			
23	<u>Variable</u>	No Lime	Lime	Prob >/T/	
1 Second	Yield, bu/ac at 13%	40	45	0.0009 ***	
	Moisture, %	10.5	10.6	0.208 ns	
2110	Test Wt, Ibs/bu	57.6	57.4	0.345 ns	
10	Plants, 1000/ac	182.2	155.2	0.385 ns	
10-0	Cost/ac				8
C.R.	Planting Date: 5/26/08	Harvesting Date: 10/10	/08		

