

Nebraska Soybean & Feed Grains Profitability Project

Years: 2001 - 2003

Title: Frozen Seed Inoculum

Crop: Soybeans

NSFGPP Operator: Dan Kellner, Saunders County

Private Industry Cooperator: Tom Vrbka

Objective: To determine and document the effect of frozen inoculum (Magnify) on the profitability of producing soybeans

Treatments: No inoculum vs. Magnify inoculum

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Results:

	<u>Variable</u>	<u>None</u>	<u>Magnify</u>	<u>Prob>/T/</u>
2001	Yield, bu/ac at 13%	61	61	0.660 ns
	Moisture, %	11.1	10.9	0.462 ns
	Test Wt, lbs/bu	55.0	55.1	0.508 ns
	Cost/ac	----	\$1.75	
2002	Yield, bu/ac at 13%	65	67	<0.0001 ***
	Moisture, %	10.2	10.2	----
	Test Wt, lbs/bu	56.05	55.99	0.068 *
	Cost/ac	----	\$1.70	
Variety: Kaups 302RR				

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Results:

	<u>Variable</u>	<u>None</u>	<u>Magnify</u>	<u>Prob>/T/</u>
	Yield, bu/ac at 13%	57	58	0.217 ns
2003	Cost/ac	----	\$1.80	
	Variety: Kaups 299RR			

Summary: The application of Magnify had no effect on the growth or seed yield of soybeans in 2001 and 2003; however in 2002, seed yield was increased by Magnify.