Nebraska On-Farm Research Network

Years:	2013
Title:	Three Rates of Optimize Under Low Fertility
Crop:	Soybeans
County:	Butler
Study ID:	123023201301
Objective:	Determine the effect, if any, of increasing rates of Optimize on soybean yield under low fertility
Treatments:	Check Optimize 1x Optimize 2x Optimize 3x

Planting date - June 13, Harvest date - Oct. 24, 25

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Results: 2013 Soybean - Optimize

	Yield	Protein	Oil	Seed Size	Cost/A
Check	55.4 A	33.54 A	20.3 A	18.0 A	--
Optimize 1x	55.4 A	33.25 AB	20.5 A	18.1 A	$4.00
Optimize 2x	55.2 A	33.21 AB	20.5 A	18.3 A	$8.00
Optimize 3x	55.2 A	33.05 B	20.6 A	18.1 A	$12.00
Prob>/T/	ns	0.04*	ns	ns	
P Value	0.97	0.04	0.16	0.81	

Means followed by the same letter are not statistically different at the P<0.05 level (Tukeys HSD test, JMP 10.0.0)

SUMMARY: Usage of Optimize did not result in increased yields in rain-fed soybeans following soybeans as previous crop. Increasing Optimize rate did result in less protein, but was offset by increased oil levels. Seed sizes, although not statistically different, were noted to be slightly increased by usage of Optimize.

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