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On-Farm Comparison Results
Jerry Mulliken

IANR

Nebraska Soybean & Feed Grains Profitability Project

Years:	2008
Title:	Cover Crop in Corn/Soybean Rotation
Crop:	Corn
NSFGPP Operator:	Jerry Mulliken, Dodge County
Private Industry Cooperator:	Jerry Mulliken
Objective:	To determine & document the effect of growing a cover crop (rye) and its influence on the profitability of corn production.
Treatments:	Corn planted into soybean stubble with no cover crop vs. planting where cover crop had been growing.

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Results: 2008 — Corn

Variable	Check	Cover Crop	Prob >/T/
Yield, bu/ac @ 15.5%	141	128	0.0012 ***
Moisture, %	14.3	14.6	0.1204 ns
Plants, 1000/ac	21.6	21.5	0.8240
MIR	0.9	0.9	0.1482 ns
Cost/ac	---	$63.20*	

Planting Date: 5/13/08 Harvesting Date: 11/5/08

Summary: The use of a cover crop resulted in a reduced grain yield on 2008. This could be due to nitrogen being found in the biomass of the cover crop.

*Rye seed - $13.20/ac; Drilling - $6.50/ac; 40 lbs 11-52-0 - $33.00; Glyphosate (qt) - $10.50/ac

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April 19 Imagery

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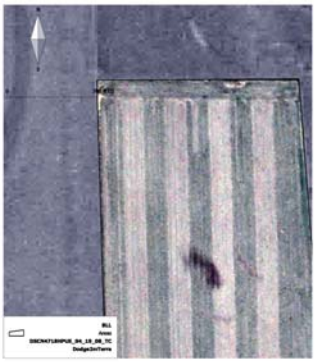
Rye Phosphorous Response



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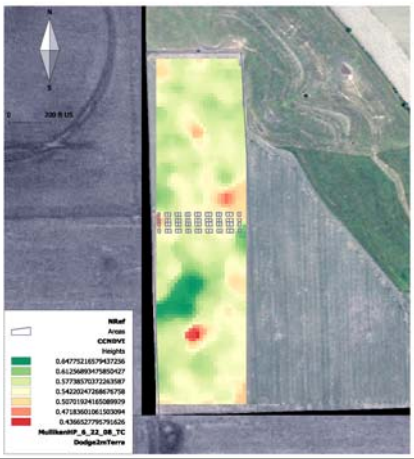
June 22 Sensor Data & Imagery

Nebraska Soybean & Feed Grains Profitability Project

Interpolated Sensor Data



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July 23 Imagery

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August 6 Imagery