

2006 Project Summary

Title: Evaluation of Variable-Rate Seeding for Corn

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Results:

The goal of this project is to evaluate opportunities for increased yield or profits through variable-rate seeding. The following comments provide results for the 2006 growing season.

1. Irrigated corn yields were about 45-60% higher than non-irrigated yields..
2. Although the actual populations were, with one exception (26,000 irrigated), lower than the intended treatment population, the differences were not statistically significant except for the highest rate (34,000) in the irrigated study.
3. No difference in yields was determined between the 4 seeding treatments for either irrigated or non-irrigated.

2005 completed the 2nd year of this study with plans to continue and conclude this investigation during the 2007 growing season.

Field 1 Results – Non-Irrigated.

Treatment (Population - seeds/ac)	Actual Population (seeds/ac)	Yield (bu/ac)
18,000	15,682	101.2
22,000	19,820	102.1
26,000	21,417	111.5
30,000	25,192	110.3

Field 2 Results – Irrigated

Treatment (Population - Seeds/ac)	Actual Population (seeds/ac)	Yield (bu/ac)
22,000	21,417	163.4
26,000	26,281	169.5
30,000	26,063	163.5
34,000	30,405	175.2