



Nebraska On-Farm Research Network

Narrow vs. Wide Row Corn Spacing

Study ID: 121177199601

Year: 1996

County: Washington

OBJECTIVE: To determine and document the profitability of wide versus narrow rows in corn.

| Treatment: | 18" ROWS | 36" ROWS |
|-----------------------------|---------------------------|---------------|
| Comparative cost (per acre) | Plant (9.08 x 2) \$ 18.16 | Plant \$ 9.08 |

Population (plants/acre)

| | |
|----------|----------|
| 36" Rows | 24,800 * |
| 18" Rows | 23,400 |

Moisture (%)

| | |
|----------|---------|
| 36" Rows | 18.4 ** |
| 18" Rows | 18.8 |

Test Weight (pounds/bushel)

| | |
|----------|----------|
| 36" Rows | 53.9 *** |
| 18" Rows | 53.1 |

Yield (bushel/acre @ 15.5%)

| | |
|----------|-----|
| 36" Rows | 116 |
| 18" Rows | 100 |

* significantly different at 90% confidence level

** significantly different at 95% confidence level

*** significantly different at 99% confidence level

Summary: In 1996, yield difference was not significant at 90% confidence level. Population and test weight were slightly higher and moisture lower with wide rows.

Nebraska Soybean & Feed Grains Profitability Project



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