



Nebraska On-Farm Research Network

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| Years: | 2013 |
| Title: | Population |
| Crop: | Corn |
| County: | Dodge |
| Study ID: | 004053201301 |
| Objective: | Study effect of various seed populations on corn production and profitability. |
| Treatments: | Population (by Hybrid) 32k and 37k (2013) |

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Results: 2013 - Corn - Population

| Population | Hybrid | YLD | MST | Cost/A |
|------------|--------|---------|--------|-----------|
| 32K | - | 247.1 A | 18.2 A | \$ 99.72 |
| 37K | - | 246.5 A | 18.2 A | \$ 115.30 |
| PROB>/T/ | | ns | ns | |

| Population | Hybrid | YLD | MST | Cost/A |
|------------|---------|----------|--------|-----------|
| 37K | 8066AMX | 263.3 A | 19.1 A | \$ 115.30 |
| 32K | 8066AMX | 260.3 A | 19.0 A | \$ 99.72 |
| 32K | 8345AM | 233.9 B | 17.3 B | \$ 99.72 |
| 37K | 8345AM | 229.7 B | 17.3 B | \$ 115.30 |
| PROB>/T/ | | 0.0374** | ns | |

| Population | Hybrid | YLD | MST | Cost/A |
|------------|---------|----------|----------|-----------|
| - | 8066AMX | 261.8 A | 19.1 A | \$ 107.51 |
| - | 8345AM | 231.8 A | 17.3 B | \$ 107.51 |
| PROB>/T/ | | 0.000*** | 0.000*** | |

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Summary: 2013

Corn-Population

(2013) (32 vs. 37K vs 2 hybrids)-NS on population (32K vs. 37K), but statistically significant between hybrids , and statistically significant for the hybrid X population interaction.

Normal Planting Rate is 34.5K

Visual observation 8345 post pollination tip back at higher populations.

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