



Response of DEKALB® Corn Products to Seeding Rate

Trial Objective:

- To compare the yield response of ten DEKALB® brand corn products to four different seeding rates.

Research Site Details:

Location	Soil Type	Previous Crop	Tillage Type	Planting Date	Harvest Date	Potential Yield (bu/acre)	Seeding Rate (seeds/acre)
Scott, MS	Silt loam	Corn	Conventional	3/27/18	8/24/18	250	28K, 32K, 36K, 40K

- Each corn product was planted in 38-inch row spacing at 28,000, 32,000, 36,000, and 40,000 seeds/acre.
- Plots size was 0.15 acres and the trial was not replicated.
- Plots were field-dried and machine harvested; yields were corrected to 15.5% moisture.

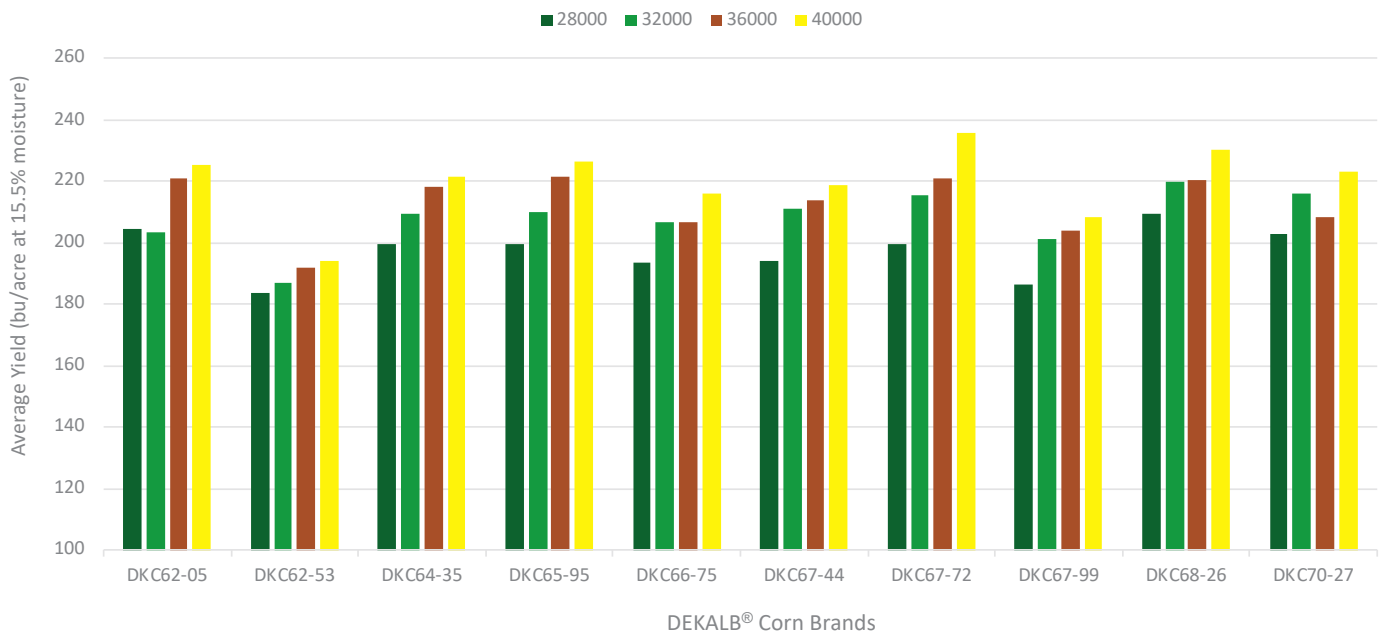


Figure 1. Average yields of DEKALB® corn brands by seeding rate.



Response of DEKALB[®] Corn Products to Seeding Rate

Understanding the Results

- Final established stands averaged 85%.
- Results from this study indicate that optimal yield was reached at approximately 35,000 seeds/acre.
- Some corn products responded favorably to higher seeding rates.
- Corn products planted at sub-optimal seeding rates did not maximize the yield potential.
- Corn products planted at higher than optimum seeding rates had greater levels of lodging along with increased seed cost.
- For these reasons, seeding rate is one of the most important decisions that a grower makes in the planning process when trying to optimize corn yield.

What Does This Mean for Your Farm?

- Knowing the optimal seeding rate of a corn product can help to obtain maximum yield potential.
- High-density populations result in increased lodging and other harvest risks, while yield potential may decline with decreased populations.
- Each product planted should be evaluated based on farm yield potential, yield response to seeding rate, and potential harvest timing for each operation.

Legal Statements

The information discussed in this report is from a single site, replicated demonstration. This information piece is designed to report the results of this demonstration and is not intended to infer any confirmed trends. Please use this information accordingly.

Performance may vary from location to location and from year to year, as local growing, soil and weather conditions may vary. Growers should evaluate data from multiple locations and years whenever possible and should consider the impacts of these conditions on the grower's fields.

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