



# Response of Two DEKALB® Corn Products to Row Spacing and Seeding Rate

## Trial Objective

- To evaluate the response of two DEKALB® corn products to three different row widths and three 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)
Maxton, NC	Sandy Clay Loam	Cotton	Conventional	04/06/18	08/24/18	N/A	32K, 36K, 39K

- The experiment was planted at the Regional Technology Center (RTC) in Maxton, NC in 0.5-acre plots on conventionally-tilled, flat ground in two replications.
- Each treatment was sub-irrigated and received 300 units of nitrogen. All other agronomic practices were per local standards.

Treatments included:

- Two DEKALB® brand corn products:
  - DKC65-95 brand
  - DKC67-44 brand
- Row spacings:
  - 20-inch single row
  - 30-inch single row
  - 38-inch single row
- Seeding rates:
  - 32,000 seeds/acre
  - 36,000 seeds/acre
  - 39,000 seeds/acre



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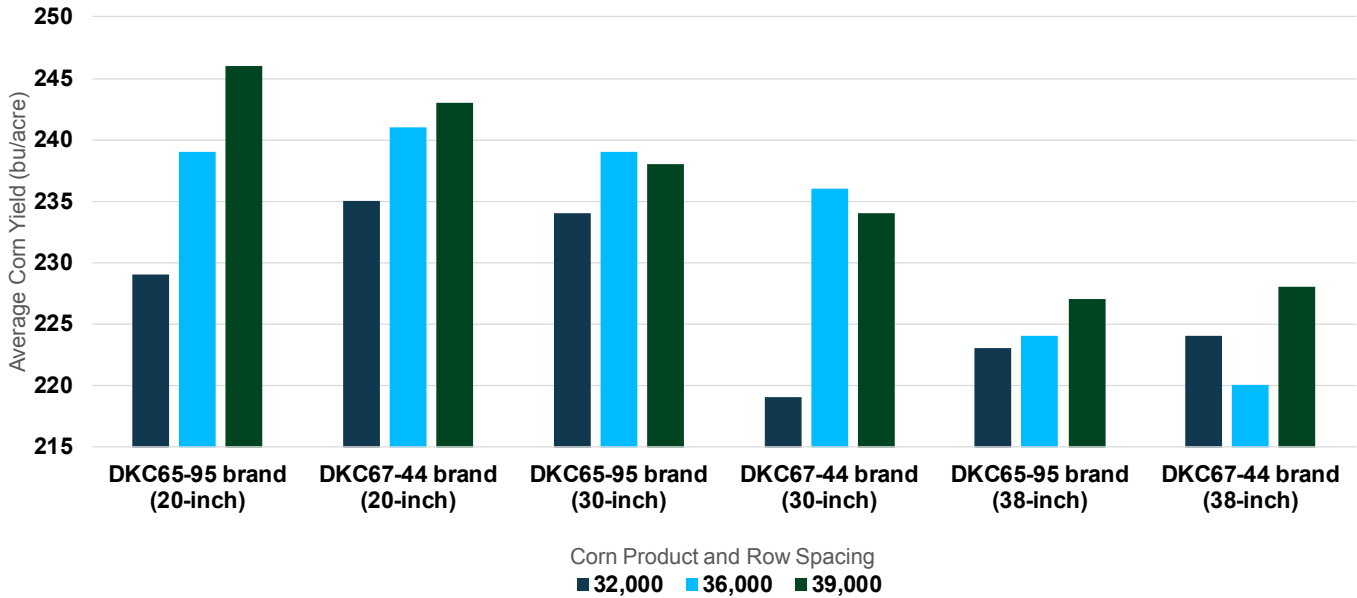


Figure 1. Average corn yield by corn product, row spacing, and seeding rate.

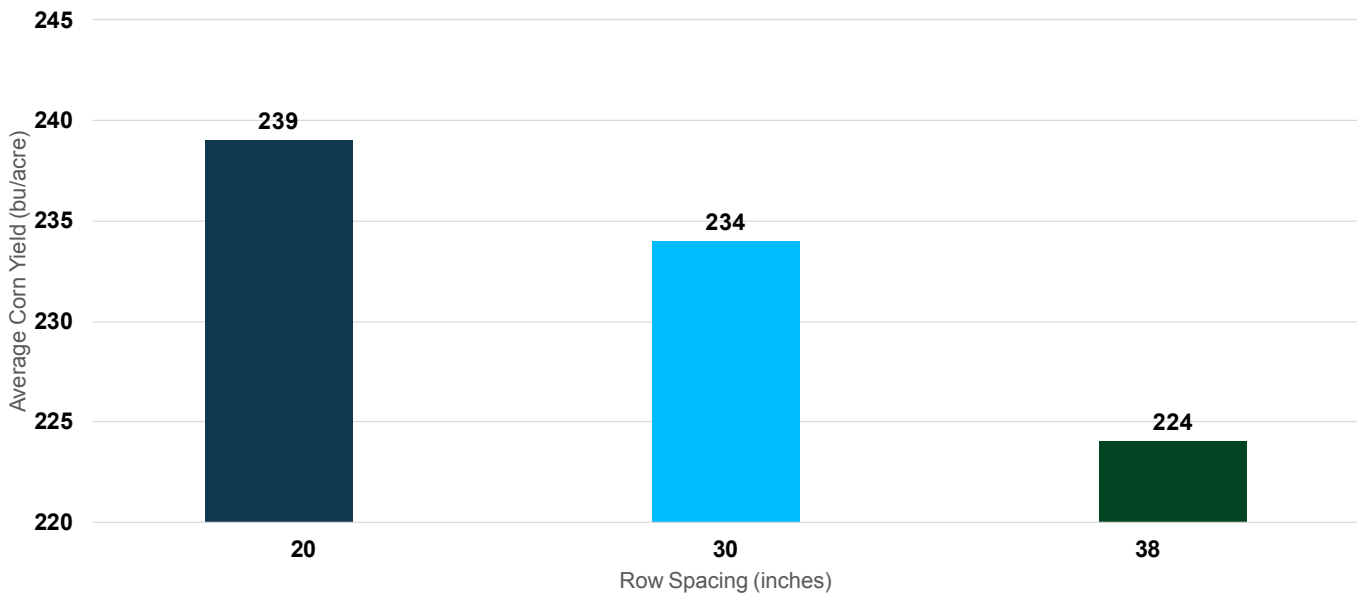


Figure 2. Average corn yield by row spacing across corn products and seeding rates.



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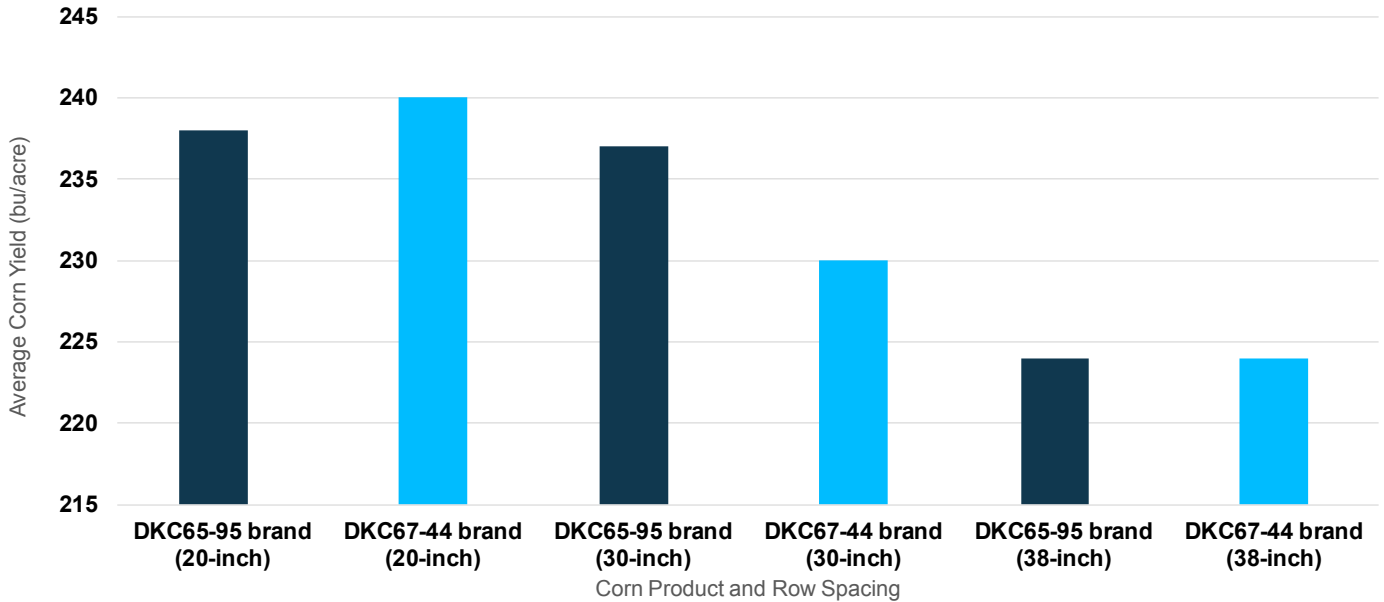


Figure 3. Average corn yield by corn product and row spacing.

## Understanding the Results

- At this location, yields generally increased with increased seeding rate and narrowed row widths.
- DKC67-44 brand had a slight advantage over DKC65-95 brand on 20-inch row spacing; the converse occurred with 30-inch row spacing. Both corn products had similar yields with 38-inch row spacing.

## What Does This Mean For Your Farm?

- Results from this study are consistent with previous data that narrowing row width can help increase yield potential.

## 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.

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