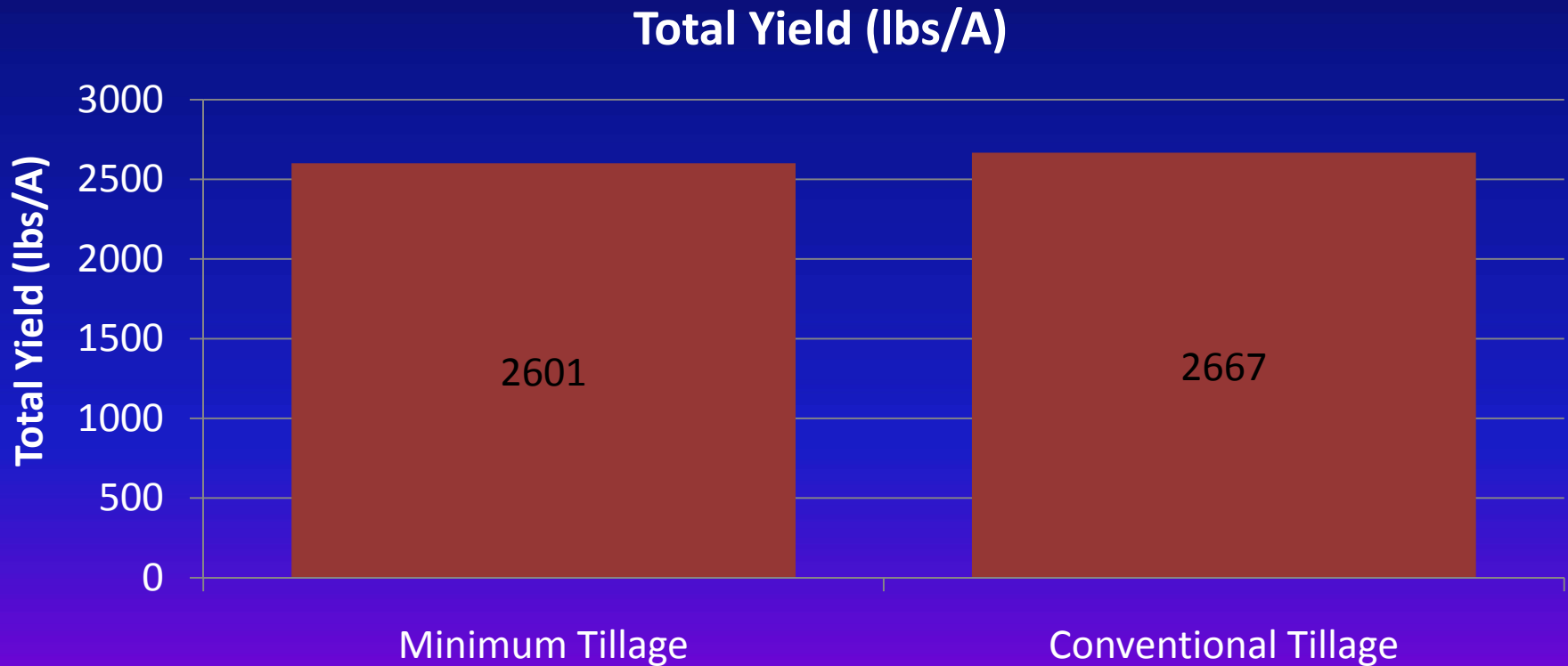


Comparison of Minimum-Tillage vs. Conventional Tillage Dark Tobacco 2009 – Greg George Farm – Caldwell Co., KY

- Large field experiment
 - Approx. 4 acre area used
 - 2 acres minimum till
 - 2 acres conventional till
 - NL Madole used in entire field
 - Fire-cured, stripped into one grade
- Minimum tillage:
 - Fallow ground burned down with glyphosate (Roundup 1 qt/A) in early March
 - Subsoiled
 - 8 oz Spartan/A; 1.5 pt/A Command
 - Tobacco transplanted (4900 pl/A) into subsoil slits
- Conventional tillage:
 - Disked twice, field cultivator twice, subsoiled
 - 8 oz Spartan/A; 1.5 pt/A Command
 - Tobacco transplanted (4900 pl/A)
- All tobacco set late May, harvested late September
 - 4 random areas within each treatment throughout field selected for yield data collection
- Standard fire-curing, taken down October 15, stripped October 16

*Some green vegetation remaining at the time of Spartan/Command application and tobacco transplanting. There was some early-season weed competition in minimum tillage from crabgrass, pigweed, and clover. Poast (1.5 pt/A) plus crop oil was used to control crabgrass, tobacco was cultivated near the row and chopped out.

Comparison of Minimum-Tillage vs. Conventional Tillage Dark Tobacco 2009 – Greg George Farm – Caldwell Co., KY Yield Data



$LSD_{0.05} = 75$ (no statistical differences in total yield between tillage types.)