

PROJECT TITLE: COTTON SYSTEMS RESEARCH: EVALUATING HERBICIDE TECHNOLOGIES, TILLAGE SYSTEMS, AND ROW SPACINGS

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SUMMARY: Row spacing affected all the measured variables with the 15-inch cotton superior to 40-inch cotton. Small differences among cotton varieties were observed for outturn and lint with the conventional and Roundup-Ready varieties superior to the Liberty-Link variety. The no-tillage system resulted in more plants ac^{-1} and higher plant biomass measured at squaring, regardless of variety or row spacing. These preliminary results indicate that 15-inch cotton can improve cotton productivity, but the economics associated with seeding costs and equipment modifications have not been examined.