SUMMARY of 2005 Project #03-329AL

COMPARISON OF ROUNDUP READY, LIBERTY-LINK, and CONVENTIONAL (NON-GT) WEED MANAGEMENT SYSTEMS IN FULL AND REDUCED TILLED COTTON. CI PROJECT #03-329AL.

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Excellent late-season weed control was obtained with all three weed management systems at Belle Mina. Seed cotton yields were equal for all weed management systems in both full till and no till (avg 2471 lbs/acre). Micronaire varied from 3.0 to 3.9 units. Strength was greater for FM 966 LL and FM 966 (> 32.3 g/tx) than for FM 960 RR (avg 30.6 g/tx). Length varied from 1.06 to 1.11 inch. No differences in color grade were observed (avg 20.6).

Late season weed control was good for all treatments at Headland in 2005: however, annual grass control in RR treatments was slightly better than conventional herbicide treatments (94 vs. 90-91). Seed cotton yields averaged 3532 lbs/acre over the entire trial. Yield was lower for the conventional herb/full till treatment (3238 lbs/acre) than for the RR/no till treatment (3841 lbs/acre). Micronaire varied from 4.1 to 4.6 units. Strength was higher for FM 966 (avg 35.4 g/tx) than for FM 966 LL or FM 960 RR (avg 32.6 g/tx). Length varied from 1.11 to 1.16 inch. Color grade averaged 23.5. Leaf averaged 3.08.