

BOLLGARD®II COTTON EFFICACY SUMMARY - MIDSOUTH
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Abstract

Bollgard®II cotton was evaluated throughout the mid-South during the 2001 growing season. Systems trials were established using replicated, small plots of Bollgard®II, Bollgard® and conventional genotypes. Each genotype was scouted weekly and treated as needed for the control of lepidopteron pest. Unsprayed trials were established using large, 2-acre plots of Bollgard®II, Bollgard® and conventional genotypes, left untreated for lepidopteron pest. Scout reports indicate that under moderate bollworm pressure, Bollgard®II varieties suffered less square and boll damage due to the cotton bollworm (*Helicoverpa zea*) than Bollgard® varieties. Bollgard®II varieties left untreated for lepidopteron pest averaged 92 lb more lint per acre than Bollgard® varieties left untreated for lepidopteron pest. Beet Armyworm (*Spodoptera exigua*) data collected at one location indicated an average of 0.1, 9.6 and 10.2 larvae per meter of row in unsprayed Bollgard®II, Bollgard® and conventional genotypes respectively. Soybean looper (*Pseudoplusia includens*) data collected at the same location indicated an average of 0.4, 8.0 and 10.7 larvae per meter of row in unsprayed Bollgard®II, Bollgard® and conventional genotypes respectively. The data suggest that Bollgard®II is more effective against cotton bollworms, beet armyworms and soybean loopers than Bollgard®.