

**STONEVILLE® BRAND ST 6848R AND ST 6636BR—TWO NEW FULL-SEASON VARIETIES FROM
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Abstract

ST 6636BR is a new Bollgard® plus Roundup Ready® variety while ST 6848R is a new Roundup Ready® variety available from Emergent Genetics USA, Inc. for 2005. Both Stoneville brand varieties are the first full maturity varieties to be launched by Emergent Genetics.

ST 6636BR and ST 6848R are smooth leaf varieties that exhibit very vigorous growth, developing into tall, erect plants. Both varieties were evaluated throughout the Mid-South, Southeast and Texas in replicated Stoneville R&D trials (in 2003-2004) and in 2004 University Official Variety Trials (OVTs).

Yield data analysis in 2004 from eight Stoneville R&D trials and 8 to 25 head-to-head OVT trials show ST 6636BR to be similar in yield compared with DP 555 BG/RR. Fiber quality analysis found staple, strength and uniformity to be significantly higher than DP 555 BG/RR. In four Southeast locations over a two-year period, significantly taller plants were reported for ST 6636BR compared to ST 4892BR; however, no differences were seen in height of the first fruiting branch, node of the first fruiting branch and total nodes. For ST 6848R, yields from R&D trials were similar to DP 5415RR, FM 989R and FM 960R. OVT trials conducted across the cotton belt found ST 6848R yields to be similar to DP 5415RR and FM 991R (Southeast), and DP 494RR (Mid-South and South TX). Staple, strength and uniformity were found to be significantly higher. When compared with DP 5415RR in four Southeast locations over two years, ST 6848R was significantly taller; however, no differences were seen in height of the first fruiting branch, node of the first fruiting branch and total nodes.

Data show that both varieties exhibit very aggressive growth. Therefore, plant growth regulator applications at pinhead square will be encouraged. Additional growth should be responded to accordingly. Emergent Genetics plans to launch ST 6636BR and ST 6848R for the 2005 season.