

## 2003 Stage IV Cotton Variety Trial Results

**Table 5-1. Lint yield, gin turnout, stand, and seedling vigor of five cotton varieties in the 2003 Stage IV test at the West Tennessee Experiment Station, listed by yield rank.**

Yield Rank	Variety	Check	Lint Yield, Total <sup>§</sup> lb/A	Gin Turnout <sup>§</sup> %	Plants per ft. of row no.	Seedling Vigor Rating (Scale 1-5) 1=best
1	DP 432 RR		1520	40.0	3.0	2.1
2	DP 444 BG/RR	U	1428	39.5	3.1	1.9
3	DP 424 BGII/RR	U	1333	36.5	3.2	2.4
4	ST 4793R	U	1326	39.3	3.0	2.3
5	DP 494 RR		1225	38.8	2.8	3.1
Mean:			1366	38.8	3.0	2.3
CV (%)			7.8	4.2	13.5	11.8
LSD (0.05)			163	2.5	n.s.	0.4

Irrigated, no-tilled Dexter loam soil. Trial Managers: Carl Michaud and Clint Sharp.

Planted 12 May 2003. Defoliant applied 25 Sep and 30 Sep 2003. Harvested 21 Oct 2003.

§ Data provided by Delta and Pine Land Company.

**Table 5.2. Fiber quality of five cotton varieties in the 2003 Stage IV test at the West Tennessee Experiment Station, listed in alphabetical order.**

Variety	Check	Staple Length <sup>§</sup> 32nds	Micro- -naire <sup>§</sup>	Fiber Strength <sup>§</sup> grams/tex	Color Grade <sup>§</sup> range	Leaf Grade <sup>§</sup>
DP 424 BGII/RR	U	36.5	41	31.4	31	1.5
DP 444 BG/RR	U	35.8	35	30.1	31 to 41	1.8
DP 432 RR		35.5	41	30.6	31 to 41	1.5
DP 494 RR		36.0	43	31.2	21 to 41	1.5
ST 4793R	U	34.0	44	29.9	31	1.5
Mean:		35.6	41	30.6		1.6
CV (%)		2.8	3.8	4.1		34.3
LSD (0.05)		1.5	2	n.s.		n.s.

Irrigated, no-tilled Dexter loam soil. Trial Managers: Carl Michaud and Clint Sharp.

Planted 12 May 2003. Defoliant applied 25 Sep and 30 Sep 2003. Harvested 21 Oct 2003.

§ Data provided by Delta and Pine Land Company.