

2001 MISSISSIPPI COTTON VARIETY TRIALS PERFORMANCE

John B. Creech

MAFES

Delta Research and Extension Center

Stoneville, MS

Ted P. Wallace

Plant & Soil Science Department

Mississippi State University, MS

J.R. Johnson

MAFES

North Mississippi Branch Experiment Station

Holly Springs, MS

N.W. Buehring

MAFES

North Mississippi Branch Experiment Station

Verona, MS

Blair Boyd

MAFES

Brown Loam Experiment Station

Raymond, MS

Dwayne E. Dobbs

MAFES

Delta Research and Extension Center

Stoneville, MS

Abstract

Variety selection is one of the first decisions a cotton producer makes each season, and perhaps the single most important. Results from this research are intended to be an aid in making this crucial decision. Certain data will also be of interest to ginners, millers, and other sectors of the cotton industry. The varieties reported here were submitted by the cottonseed companies.

All varieties, regardless of transgenes present, were evaluated in these tests under standard management practices, including chemical control of insects with conventional insecticides. The potential advantage of transgenes is not the subject of these tests and was not evaluated.

Varieties submitted for testing were divided into two groups based on maturity as determined by the company submitting each variety. The Early Maturing Cotton Variety Test was comprised of 43 varieties in the Delta and 38 in the Hill area of Mississippi. The Mid-maturity Cotton Variety Test was comprised of 22 varieties in the Delta and 22 varieties in the Hills. PhytoGen PSC 355, Stoneville ST 474, and Sure-Grow SG 747 were used as check varieties in tests with both maturity groups.

This year "Loan Value per Acre" and "Net Loan Price" figures are being presented in addition to the yield and fiber quality properties reported in the past. 2001 CCC loan values were used to calculate the "Net Loan Price" (NLP) based on the fiber properties and color grade. "Loan Value Per Acre" was calculated by multiplying the NLP by the Lint Yield. This value gives one figure that incorporates both yield and fiber quality.

Introduction

The Early Maturing and Mid-season Variety Tests were conducted at six locations in the Delta: Stoneville, Tunica, Clarksdale, Choctaw (30", 4:1 skip), Rolling Fork, and Tribbett. The Early Maturing and Mid-season Tests were conducted at six Hill locations: Mississippi State, Aberdeen, Durant, Raymond, Holly Springs, Desoto Co., and Verona.

With the exceptions noted above, all tests were planted solid in 38- or 40-inch rows. Each variety was replicated six times at each location (with the exception of only four replications at Verona and Raymond due to land space). No data was collected from the Choctaw location because the site received 1 quart Roundup OT at the four-leaf stage by accident. Yield determinations were based on the weight of seed cotton mechanically harvested from two-row plots that ranged from 40 to 45 feet in length. Determination of lint fraction, boll size, seed index (weight in grams of 100 fuzzy seed), and fiber properties were made from

hand-picked 25-boll samples or from machine-harvested grab samples from three replications at each location. Samples were ginned on a 10-saw laboratory gin. HVI fiber property determinations were made by Starlab, Inc. Knoxville, TN.

This year “Loan Value per Acre” and “Net Loan Price” figures are being presented in addition to the yield and fiber quality properties reported in the past. These figures were determined using the 2001 CCC loan values. The “Net Loan Price” (NLP) is the calculated loan value based on the fiber properties and color grade. “Loan Value Per Acre” was calculated by multiplying the NLP by the Lint Yield. This value allows you to look at one figure that incorporates both yield and fiber quality.

In all tests, seed of each variety was supplied by the company that submitted the variety for testing. Recommended management practices were followed in each test. The on-farm cooperators decided planting dates, fertilizer rates, amount of supplemental irrigation, defoliation date, insect and weed control strategies, and harvest date. These tests do not encompass all growing and environmental conditions in the state, but they provide a guide to producers in selecting among varieties best suited for their area or growing conditions.

At the bottom of each table are summary statistics that are very important in interpreting the test results. Despite efforts to provide a uniform test environment, all experiments are subject to a certain degree of error due to variation between plots arising from differences in soil type, fertility, insect damage, weed pressure, etc. Therefore, yield potential (and performance with respect to other characteristics) cannot be measured with complete accuracy. By conducting replicated trials we can account for or remove some, but not all, of the effect of non-uniform conditions among plots. As a result, the mean performance of some varieties may be numerically different due to natural variation in the data, but not statistically different when variability in the test is taken into account. The least significant difference (LSD) is a statistic that estimates the smallest difference between two varieties that should be considered something other than natural variation. For example, if the LSD for lint yield in a given trial is 80 lbs/A, varieties that differ by less than 80 lbs/A should be considered equal in yield. In key tables and for key traits, values that are not significantly different from the variety with the highest value in the trial are shown in bold type and shaded background.

The coefficient of variation (CV) is a measure of relative precision of a given trial and is generally considered to be an estimate of the amount of unexplained variation in that trial. In general, the higher the CV, the less precise is a given trial. The R-squared value is another measure of relative precision. The higher the R-squared value, the more precise a trial.

Results and Conclusions

The results for 2001 Delta Region Early Maturity results are presented in Tables 1 and 2. Mid-maturity varieties are reported on in Tables 3 and 4. The Hill Region Early Maturity results for are in Tables 5 and 6 while the Mid-maturity are in Tables 7 and 8. In any single year or location, a given variety may perform extremely well or extremely poorly due either to chance variation or due to its response to environmental conditions in that particular site and year. In order to avoid being misled by performance in a single year and location, it is wise to base variety selection decisions on as many environments as possible. For this reason we have provided tables that summarize lint yields over 2- and 3-year periods averaged across locations. We reported lint yields and fiber qualities for three-year averages in Tables 9, 10, 13, and 14. The two-year averages are presented in Tables 11, 12, 15, and 16. While it is hoped that newer varieties will perform better than older varieties, this is not always the case. Greater confidence can be put in varieties that have performed well over 2 or more years than can be put in varieties that are in their first year of testing. Producers should consider these new varieties/technologies as not being thoroughly evaluated until multiple year, multiple location results are available.

We have multi-year data in a greater number of varieties than in recent years. This year is the first year in which we have also provided multi-year data for the fiber properties. Producers also have the added data this year of “Net Loan Price” and “Loan Value per Acre”.

References

“Cotton Loan 2001” loan calculation computer program was developed by Dr. Larry Falconer, Extension Economist, Texas A & M University, Corpus Christi, TX and developed with Cotton Incorporated funding.

Table 1. Averages for the Delta Region Early Maturity Test of the 2001 Mississippi Cotton Variety Trials. (Creech, 2002).

NAME	Loan Value		Seed Cotton				Net Loan			
	Per Acre		Lint Yield		Yield		Gin Turnout		Price	
	\$\$\$ /A	Rank	#/A	Rank	#/A	Rank	%	Rank	\$/100#	Rank
OA-87	\$636	1	1324	1	3185	4	41.83	2	47.89	28
SG 215BG/RR	\$619	2	1308	2	3447	1	38.11	21	47.09	38
Sure-Grow SG 105	\$605	3	1226	4	3219	2	38.20	19	49.27	12
Paymaster PM 1560BG	\$594	4	1212	6	3144	6	38.66	15	48.76	21
Stoneville ST 457	\$585	5	1202	8	3107	7	38.62	16	48.51	24
Stoneville ST 4691B	\$583	6	1201	9	3080	12	38.99	9	48.28	27
FiberMax FM 958	\$580	7	1179	11	2971	24	39.83	4	48.62	23
Stoneville ST 4892BR	\$572	8	1191	10	3066	13	38.97	10	47.88	29
Sure-Grow SG 747	\$571	9	1204	7	3100	9	38.87	12	47.28	36
DES 816	\$568	10	1158	12	3104	8	37.45	27	48.90	16
FiberMax FM 966	\$565	11	1132	16	2976	23	38.15	20	49.65	10
Garst/Agripro AP9257	\$562	12	1122	19	2981	22	37.74	23	49.83	7
Deltapine DP 428B	\$561	13	1108	22	3042	16	36.38	37	50.44	3
PM 1218BG/RR	\$558	14	1220	5	3085	10	39.75	5	45.48	42
Stoneville BXN 49B	\$557	15	1145	14	3059	14	37.55	26	48.87	17
PG-40	\$556	16	1100	24	3004	20	36.72	33	50.48	2
FiberMax FM 958 BG	\$555	17	1124	18	2970	25	37.97	22	49.28	11
PhytoGen PSC 355	\$554	18	1242	3	3198	3	38.94	11	44.29	43
Stoneville BXN 47	\$554	19	1135	15	2938	27	38.73	13	48.92	15
Deltapine DP 436RR	\$549	20	1096	25	3185	5	34.49	43	49.81	8
Deltapine DP 491	\$543	21	1116	20	2797	35	40.10	3	48.43	25
RGC2002	\$542	22	1105	23	3009	18	36.85	30	48.86	18
OA-85	\$539	23	1127	17	2690	40	41.92	1	47.45	33
MISCOT 8839	\$537	24	1093	27	2984	21	36.79	31	48.96	13
Deltapine DP 20B	\$534	25	1094	26	3084	11	35.62	41	48.80	19
Stoneville ST 474	\$533	26	1149	13	2908	29	39.57	7	46.45	40
Deltapine DP 422B/RR	\$529	27	1053	34	2892	31	36.53	34	50.01	5
Sure-Grow SG 501BR	\$527	28	1115	21	3052	15	36.49	35	47.04	39
Deltapine NuCOTN 33B	\$526	29	1036	37	2902	30	35.67	40	50.65	1
Sure-Grow SG 125BR	\$526	30	1077	28	3008	19	35.95	38	48.79	20
Deltapine DP 420RR	\$525	31	1051	35	2806	33	37.55	25	49.67	9
DES 607	\$515	32	1024	38	2616	42	39.06	8	50.23	4
MISCOT 8806	\$515	33	1067	31	2917	28	36.74	32	47.86	30
MISCOT 8806-3-2-21	\$510	34	1065	32	2778	36	38.53	17	47.58	32
DES 810	\$509	35	1072	29	2948	26	36.43	36	47.15	37
Deltapine DP 451B/RR	\$509	36	1042	36	3010	17	34.92	42	48.94	14
Deltapine DP 388	\$504	37	1010	41	2747	37	36.94	29	49.85	6
Sure-Grow SG 521R	\$504	38	1054	33	2833	32	37.31	28	47.66	31
RGC2001	\$499	39	1023	39	2717	38	37.70	24	48.31	26
MISCOT 8806-3-2-35	\$494	40	1070	30	2709	39	39.73	6	46.06	41
Deltapine DP 425RR	\$489	41	1000	42	2799	34	35.74	39	48.74	22
Stoneville ST 4793R	\$489	42	1021	40	2646	41	38.69	14	47.36	35
Paymaster PM 1199RR	\$460	43	972	43	2551	43	38.23	18	47.36	34
GRAND MEAN	\$543		1118		2960		37.88		48.41	
CHECK MEAN	\$546		1158		3027		38.26		47.17	
LSD	28.75		60		159		0.70		1.42	
CV	12.46		12.62		12.62		3.09		4.87	
R-SQUARED	0.86		0.84		0.85		0.82		0.69	
SED	17.47		36.43		96.45		0.43		0.86	
ALPHA	0.10		0.10		0.10		0.10		0.10	
REPS	30		30		30		15		15	
TAIL	2		2		2		2		2	

Shaded values not significantly different from the highest value.

Table 2. Fiber Quality Averages for the Delta Region Early Maturity Test of the 2001 Mississippi Cotton Variety Trials. (Creech, 2002)

NAME	Uniformity										
	Mic		Length			Index		Strength		Elongation	
	Mic	Rank	UHM	32nds	Rank	%	Rank	g/tex	Rank	EL	Rank
OA-87	5.0	3	1.11	36	20	83.7	18	28.4	23	8.4	17
Sure-Grow SG 215BG/RR	4.8	17	1.06	34	43	83.2	32	26.1	43	8.6	6
Sure-Grow SG 105	4.7	20	1.11	36	15	84.2	7	29.0	17	8.4	14
Paymaster PM 1560BG	4.8	16	1.10	35	26	83.7	15	29.5	10	8.5	11
Stoneville ST 457	4.6	32	1.11	36	18	83.5	23	29.5	11	9.1	1
Stoneville ST 4691B	4.6	29	1.10	35	24	82.9	40	27.9	28	8.3	27
FiberMax FM 958	4.8	15	1.15	37	5	84.1	9	30.6	4	7.5	43
Stoneville ST 4892BR	4.9	4	1.10	35	28	83.6	21	29.3	13	8.4	22
Sure-Grow SG 747	4.9	7	1.10	35	27	83.7	17	26.5	37	8.4	18
DES 816	4.8	13	1.13	36	9	83.8	13	30.2	6	8.4	16
FiberMax FM 966	4.6	28	1.14	37	6	84.4	4	32.2	1	7.6	41
Garst/Agripro AP9257	4.5	35	1.09	35	30	83.2	34	28.9	18	8.1	35
Deltapine DP 428B	4.7	25	1.11	36	14	83.4	27	26.2	41	8.1	37
Paymaster PM 1218BG/RR	5.0	1	1.07	34	41	83.5	24	27.4	33	8.3	24
Stoneville BXN 49B	4.4	38	1.13	36	8	83.7	16	28.4	24	8.2	31
PG-40	4.4	43	1.19	37	2	85.4	1	28.9	19	8.8	3
FiberMax FM 958 BG	4.7	19	1.15	37	4	84.4	3	32.1	2	7.9	39
PhytoGen PSC 355	5.0	2	1.11	36	21	84.2	6	29.6	9	9.0	2
Stoneville BXN 47	4.7	22	1.09	35	29	83.0	36	28.4	21	8.2	32
Deltapine DP 436RR	4.5	34	1.13	36	11	83.6	19	26.2	40	8.4	13
Deltapine DP 491	4.6	31	1.21	37	1	84.2	8	29.7	7	7.6	42
RGC2002	4.4	42	1.07	34	39	83.0	37	27.6	29	8.5	12
OA-85	4.7	24	1.09	35	31	82.5	43	28.0	27	8.0	38
MISCOT 8839	4.9	8	1.15	37	3	84.4	5	28.3	25	8.2	33
Deltapine DP 20B	4.4	39	1.13	36	10	83.5	22	26.7	35	8.1	34
Stoneville ST 474	4.9	5	1.09	35	34	83.6	20	29.0	16	8.6	9
Deltapine DP 422B/RR	4.4	41	1.09	35	36	83.0	39	26.2	42	8.4	19
Sure-Grow SG 501BR	4.7	18	1.07	34	42	83.4	26	28.4	22	8.6	7
Deltapine NuCOTN 33B	4.4	37	1.10	35	25	82.8	42	28.1	26	8.1	36
Sure-Grow SG 125BR	4.6	26	1.08	35	38	83.1	35	27.1	34	8.4	21
Deltapine DP 420RR	4.4	40	1.09	35	32	83.3	30	26.4	39	8.3	25
DES 607	4.5	36	1.14	37	7	83.9	11	27.5	30	8.3	29
MISCOT 8806	4.8	12	1.12	36	13	84.0	10	30.2	5	8.4	15
MISCOT 8806-3-2-21	4.9	10	1.11	36	16	83.9	12	29.0	15	8.8	4
DES 810	4.6	27	1.10	35	22	83.8	14	29.7	8	8.4	23
Deltapine DP 451B/RR	4.6	30	1.12	36	12	83.3	29	26.5	38	7.8	40
Deltapine DP 388	4.5	33	1.09	35	37	82.8	41	28.7	20	8.7	5
Sure-Grow SG 521R	4.7	21	1.07	34	40	83.0	38	27.5	31	8.6	8
RGC2001	4.8	14	1.10	35	23	83.4	28	29.3	12	8.4	20
MISCOT 8806-3-2-35	4.9	6	1.09	35	33	83.4	25	27.4	32	8.3	26
Deltapine DP 425RR	4.7	23	1.11	36	17	83.2	33	26.6	36	8.3	28
Stoneville ST 4793R	4.9	9	1.09	35	35	83.2	31	29.2	14	8.5	10
Paymaster PM 1199RR	4.8	11	1.11	36	19	84.5	2	30.9	3	8.2	30
GRAND MEAN	4.7		1.11			83.6		28.4		8.3	
CHECK MEAN	4.8		1.10			83.6		28.3		8.5	
LSD	0.1		0.01			0.5		0.8		0.2	
CV	4.30		1.96			0.90		4.75		3.66	
R-SQUARED	0.74		0.79			0.67		0.79		0.78	
SED	0.07		0.01			0.28		0.49		0.11	
ALPHA	0.10		0.10			0.10		0.10		0.10	
REPS	15		15			15		15		15	
TAIL	2		2			2		2		2	

Shaded values not significantly different from the highest value.

Table 3. Averages for the Delta Region Mid-Maturity Test of the 2001 Mississippi Cotton Variety Trials. (Creech, 2002).

NAME	Loan Value		Seed Cotton				Gin		Net Loan	
	Per Acre	Lint Yield	Yield		Turnout	Price				
	\$\$\$ /A	Rank	#/A	Rank	#/A	Rank	%	Rank	\$/100#	Rank
PhytoGen PSC 355*	\$612	1	1289	1	3264	1	39.52	3	47.01	22
FiberMax FM 966	\$605	2	1175	2	3029	2	38.80	7	51.13	4
FiberMax FM 966 BG	\$596	3	1173	3	3007	3	39.15	5	50.56	10
Deltapine DeltaPEARL	\$581	4	1144	4	2872	7	39.88	2	50.00	14
Stoneville ST 580	\$566	5	1107	7	2947	4	37.59	1	50.91	6
Deltapine DP 491	\$564	6	1107	6	2675	14	41.57	1	50.61	9
Deltapine DP 565	\$542	7	1057	9	2805	9	37.80	11	50.95	5
Stoneville ST 474*	\$540	8	1138	5	2907	5	39.13	6	47.34	21
Sure-Grow SG 747*	\$526	9	1092	8	2873	6	38.03	10	48.04	20
Stoneville ST X9905	\$519	10	1029	10	2617	17	39.47	4	49.92	16
GC 377	\$512	11	1015	11	2676	13	38.04	8	49.97	15
Deltapine DP 458B/RR	\$512	12	998	15	2683	12	37.26	14	50.84	8
NuCotn 35B	\$511	13	100	14	2755	10	36.37	18	50.89	7
Deltapine DP 448B	\$510	14	967	17	2671	15	36.44	17	52.36	1
Sure-Grow 821	\$508	15	987	16	2599	19	38.03	9	51.20	3
GC 271	\$499	16	1004	12	2860	8	35.13	22	49.26	18
Garst/Agripro 4600RR	\$486	17	1001	13	2701	11	37.33	13	48.20	19
NuCOTN 33B	\$482	18	948	18	2644	16	35.91	21	50.53	11
Deltapine DP 5690RR	\$470	19	935	19	2612	18	36.01	20	50.17	12
Deltapine DP 655B/RR	\$467	20	898	21	2500	21	36.18	19	51.50	2
Deltapine DP5690RR	\$463	21	918	20	2518	20	36.55	16	50.04	13
Deltapine DP 5415	\$449	22	890	22	2393	22	37.24	15	49.70	17
GRAND MEAN	\$524		1040		2755		37.79		50.04	
CHECK MEAN	\$560		1173		3015		38.89		47.46	
LSD	30.25		61		165		0.69		1.48	
CV	13.58		13.90		14.10		3.04		4.90	
R-SQUARED	0.88		0.86		0.86		0.80		0.69	
SED	18.36		37.31		100.32		0.42		0.90	
ALPHA	0.10		0.10		0.10		0.10		0.10	
REPS	30		30		30		15		15	
TAIL	2		2		2		2		2	

Shaded value not significantly different from the highest value.

*Early Maturity Checks

Table 4. Fiber Quality Averages for the Delta Region Mid-Maturity Test of the 2001 Mississippi Cotton Variety Trials. (Creech, 2002).

NAME	Uniformity										
	Mic		Length			Index		Strength		Elongation	
	Mic	Rank	UHM	32nds	Rank	%	Rank	g/tex	Rank	EL	Rank
PhytoGen PSC 355*	5.0	1	1.11	36	13	84.4	5	30.8	11	9.0	2
FiberMax FM 966	4.6	15	1.17	37	4	85.1	1	34.8	1	7.6	21
FiberMax FM 966 BG	4.4	22	1.18	37	2	84.5	3	33.0	2	7.8	15
Deltapine DeltaPEARL	4.9	7	1.18	37	3	84.3	6	30.5	12	7.6	22
Stoneville ST 580	4.6	17	1.10	35	18	83.3	15	30.3	14	8.4	5
Deltapine DP 491	4.7	14	1.23	37	1	84.6	2	32.0	7	7.8	18
Deltapine DP 565	4.7	13	1.14	37	7	83.9	9	30.9	10	8.0	12
Stoneville ST 474*	5.0	2	1.10	35	21	83.8	10	30.1	17	8.5	4
Sure-Grow SG 747*	5.0	3	1.10	35	19	83.6	11	28.3	22	8.6	3
Stoneville ST X9905	4.9	4	1.15	37	6	84.1	7	31.8	8	7.9	13
GC 377	4.9	6	1.12	36	9	83.6	12	29.5	18	8.3	8
Deltapine DP 458B/RR	4.7	12	1.11	36	16	82.9	21	30.3	15	8.1	10
Deltapine NuCOTN 35B	4.6	16	1.11	36	15	82.7	22	32.1	6	7.7	19
Deltapine DP 448B	4.5	20	1.12	36	8	83.5	13	28.8	21	7.8	16
Sure-Grow 821	4.8	11	1.11	36	14	83.9	8	30.5	13	9.0	1
GC 271	4.8	9	1.16	37	5	84.5	4	33.0	3	8.4	6
Garst/Agripro 4600RR	4.8	10	1.06	34	22	83.1	18	28.9	20	8.2	9
Deltapine NuCOTN 33B	4.8	8	1.12	36	10	83.1	17	29.2	19	8.1	11
Deltapine DP 5690RR	4.6	18	1.10	35	20	83.0	19	32.5	4	7.8	14
Deltapine DP 655B/RR	4.5	19	1.11	36	12	83.1	16	31.6	9	7.7	20
Deltapine DP5690RR	4.5	21	1.10	35	17	82.9	20	32.2	5	7.8	17
Deltapine DP 5415	4.9	5	1.12	36	11	83.5	14	30.3	16	8.4	7
GRAND MEAN	4.7		1.13			83.7		31.0		8.1	
CHECK MEAN	5.0		1.10			84.0		29.7		8.7	
LSD	0.16		0.01			0.5		0.6		0.1	
CV	5.55		1.87			0.90		3.35		2.86	
R-SQUARED	0.63		0.90			0.74		0.89		0.85	
MSE	0.07		0.00			0.56		1.08		0.05	
SED	0.10		0.01			0.27		0.38		0.08	
ALPHA	0.10		0.10			0.10		0.10		0.10	
REPS	15		15			15		15		15	
TAIL	2		2			2		2		2	

Shaded value not significantly different from the highest value.

*Early Maturity Checks

Table 5. Averages for the Hill Region Early Maturity Test of the 2001 Mississippi Cotton Variety Trials. (Creech, 2002).

NAME	Loan Value		Lint		Seed		Gin		Net Loan	
	Per Acre		Yield		Cotton Yield		Turnout		Price	
	\$\$\$ /A	Rank	#/A	Rank	#/A	Rank	%	Rank	\$/100#	Rank
FiberMax FM 966	\$693	1	1290	1	3210	1	40.16	8	52.76	7
Deltapine DP 491	\$646	2	1194	6	2954	10	40.31	4	53.27	1
FiberMax FM 958	\$645	3	1205	4	2965	9	40.50	2	52.74	8
Stoneville ST 4892BR	\$634	4	1258	2	3118	3	40.25	6	50.50	29
SG 215BG/RR	\$632	5	1227	3	3014	4	41.57	1	51.05	25
Stoneville ST 4691B	\$621	6	1204	5	2988	7	40.29	5	51.38	21
Stoneville BXN 49B	\$612	7	1176	7	3004	5	39.11	16	51.74	14
Stoneville BXN 47	\$590	8	1167	8	2913	12	39.76	10	50.26	32
FiberMax FM 958 BG	\$589	9	1097	14	2792	23	39.21	15	52.78	6
Stoneville ST 457	\$588	10	1126	9	2849	16	39.36	14	51.59	16
Deltapine DP 428B	\$584	11	1124	10	2980	8	37.48	31	51.50	18
Deltapine DP 436RR	\$581	12	1115	12	3135	2	35.45	38	51.73	15
Deltapine DP 451B/RR	\$578	13	1080	17	2998	6	35.99	36	52.92	4
DES 607	\$575	14	1071	18	2660	30	39.93	9	53.17	2
Garst/Agripro AP9257	\$573	15	1089	16	2817	20	38.82	19	51.48	19
PG-40	\$572	16	1058	25	2768	26	38.15	26	53.00	3
PhytoGen PSC 355	\$570	17	1122	11	2861	14	39.07	17	50.38	31
Sure-Grow SG 747	\$565	18	1109	13	2793	21	39.38	12	50.23	33
NuCOTN 33B	\$564	19	1054	29	2835	18	37.04	32	52.85	5
Sure-Grow SG 125BR	\$564	20	1069	20	2895	13	36.87	34	52.31	11
RGC 2002	\$563	21	1069	19	2765	27	38.52	24	51.55	17
Deltapine DP 20B	\$563	22	1047	30	2918	11	35.82	37	52.54	9
DES 816	\$561	23	1065	21	2769	25	38.28	25	52.04	12
MISCOT 8839	\$557	24	1058	24	2793	22	37.78	30	51.95	13
Sure-Grow SG 521R	\$554	25	1057	26	2731	28	38.61	22	51.33	23
Sure-Grow SG 501BR	\$551	26	1091	15	2858	15	37.80	29	50.42	30
MISCOT 8806	\$548	27	1061	22	2781	24	38.02	27	50.76	28
Deltapine DP 425RR	\$547	28	1061	23	2846	17	37.00	33	51.47	20
DES 810	\$539	29	1034	32	2832	19	36.45	35	50.80	27
Sure-Grow SG 105	\$530	30	1056	27	2711	29	38.89	18	49.79	36
Stoneville ST 4793R	\$527	31	1047	31	2615	32	40.17	7	50.03	35
Paymaster PM 1560BG	\$525	32	1018	33	2610	33	38.65	21	51.32	24
PM 1218BG/RR	\$522	33	1056	28	2659	31	39.59	11	49.77	37
RGC 2001	\$516	34	1000	36	2572	34	38.52	23	50.92	26
MISCOT 8806-3-2-35	\$510	35	1008	34	2497	38	40.34	3	50.16	34
Garst/Agripro 1500RR	\$504	36	950	38	2505	36	38.00	28	52.42	10
MISCOT 8806-3-2-21	\$501	37	968	37	2498	37	38.74	20	51.37	22
Paymaster PM1199RR	\$496	38	1001	35	2536	35	39.36	13	49.69	38
GRAND MEAN	\$568		1092		2817		38.66		51.47	
CHECK MEAN	\$567		1116		2827		39.23		50.30	
LSD	28.04		54		139		1.24		1.13	
CV	13.07		12.98		13.08		6.63		4.51	
R-SQUARED	0.81		0.79		0.78		0.56		0.73	
SED	17.03		32.50		84.50		0.76		0.68	
ALPHA	0.10		0.10		0.10		0.10		0.10	
REPS	38		38		38		23		23	
TAIL	2		2		2		2		2	

Shaded value not significantly different from the highest value.

Table 6. Fiber Quality Averages for the Hill Region Early Maturity Test of the 2001 Mississippi Cotton Variety Trials. (Creech, 2002).

NAME	Uniformity										
	Mic		Length			Index		Strength		Elongation	
	Mic	Rank	UHM	32nds	Rank	%	Rank	g/tex	Rank	EL	Rank
FiberMax FM 966	4.6	22	1.15	37	5	84.8	3	35.2	1	7.9	37
Deltapine DP 491	4.2	36	1.19	37	1	84.7	7	31.5	8	8.0	36
FiberMax FM 958	4.6	16	1.16	37	3	84.6	8	32.9	3	7.9	38
Stoneville ST 4892BR	4.8	5	1.10	35	30	84.2	19	30.5	17	8.7	14
Sure-Grow SG 215BG/RR	4.6	21	1.08	35	38	83.7	33	28.1	36	8.8	8
Stoneville ST 4691B	4.6	19	1.12	36	16	84.1	22	29.1	30	8.4	29
Stoneville BXN 49B	4.4	30	1.14	37	6	84.4	11	29.3	26	8.4	24
Stoneville BXN 47	4.7	8	1.11	36	24	84.3	18	29.6	22	8.4	28
FiberMax FM 958 BG	4.4	31	1.14	37	7	84.6	9	33.8	2	8.2	33
Stoneville ST 457	4.4	29	1.12	36	17	84.2	21	30.9	10	9.3	1
Deltapine DP 428B	4.6	20	1.13	36	13	83.9	29	27.6	38	8.2	34
Deltapine DP 436RR	4.7	14	1.14	37	10	84.4	14	28.4	35	8.7	9
Deltapine DP 451B/RR	4.6	23	1.13	36	11	84.7	6	28.6	32	8.3	32
DES 607	4.4	33	1.14	37	9	84.3	17	28.8	31	8.6	17
Garst/Agripro AP9257	4.3	35	1.10	35	32	83.3	38	29.5	23	8.1	35
PG-40	4.1	37	1.16	37	2	85.5	1	30.8	12	8.9	4
PhytoGen PSC 355	4.8	6	1.12	36	18	84.4	16	31.9	5	9.2	2
Sure-Grow SG 747	4.8	3	1.12	36	20	84.7	5	27.9	37	8.8	6
Deltapine NuCOTN 33B	4.4	34	1.13	36	12	83.9	30	29.8	20	8.4	31
Sure-Grow SG 125BR	4.5	27	1.11	36	28	83.8	32	29.1	29	8.7	13
RGC 2002	4.5	28	1.10	35	31	84.1	23	29.2	27	8.6	15
Deltapine DP 20B	4.4	32	1.14	37	8	84.4	12	28.4	34	8.6	19
DES 816	4.6	24	1.12	36	21	83.5	37	31.6	7	8.7	10
MISCOT 8839	4.7	11	1.15	37	4	84.8	2	29.4	24	8.4	27
Sure-Grow SG 521R	4.6	18	1.09	35	36	84.1	24	29.3	25	8.8	7
Sure-Grow SG 501BR	4.7	9	1.09	35	34	84.2	20	31.1	9	8.9	3
MISCOT 8806	4.7	7	1.13	36	14	84.4	15	32.0	4	8.6	16
Deltapine DP 425RR	4.7	13	1.12	36	23	84.0	25	28.6	33	8.5	21
DES 810	4.5	25	1.10	35	33	83.5	35	31.7	6	8.7	11
Sure-Grow SG 105	4.8	2	1.12	36	15	84.8	4	30.8	14	8.6	20
Stoneville ST 4793R	4.8	4	1.09	35	35	84.0	26	30.7	15	8.7	12
Paymaster PM 1560BG	4.5	26	1.11	36	25	83.9	31	30.2	18	8.5	22
Paymaster PM 1218BG/RR	4.6	15	1.08	35	37	83.5	34	29.2	28	8.4	25
RGC 2001	4.6	17	1.12	36	19	84.0	27	30.8	13	8.5	23
MISCOT 8806-3-2-35	4.7	10	1.11	36	27	84.0	28	29.7	21	8.6	18
Garst/Agripro 1500RR	4.0	38	1.12	36	22	83.5	36	30.9	11	8.4	30
MISCOT 8806-3-2-21	4.7	12	1.11	36	26	84.4	13	30.1	19	8.9	5
Paymaster PM1199RR	4.9	1	1.10	35	29	84.6	10	30.7	16	8.4	26
GRAND MEAN	4.6		1.12			84.2		30.2		8.5	
CHECK MEAN	4.8		1.12			84.5		29.9		9.0	
LSD	0.12		0.01			0.4		0.6		0.1	
CV	5.41		1.99			0.91		3.91		3.38	
R-SQUARED	0.77		0.79			0.68		0.79		0.80	
MSE	0.06		0.00			0.59		1.40		0.08	
SED	0.07		0.01			0.23		0.35		0.09	
ALPHA	0.10		0.10			0.10		0.10		0.10	
REPS	23		23			23		23		23	
TAIL	2		2			2		2		2	

Shaded value not significantly different from the highest value.

Table 7. Averages for the Hill Region Mid-Maturity Test of the 2001 Mississippi Cotton Variety Trials. (Creech, 2002)

NAME	Loan Value Per Acre		Lint Yield		Seed Cotton Yield		Gin Turnout		Net Loan Price	
	\$\$\$A	Rank	#/A	Rank	#/A	Rank	%	Rank	\$/100#	Rank
FiberMax FM 966	\$656	1	1210	1	3033	3	39.84	3	53.38	2
FiberMax FM 966 BG	\$645	2	1189	2	3033	2	39.13	5	53.38	1
Stoneville ST X9905	\$629	3	1175	3	2953	5	39.55	4	52.41	16
Deltapine DP 491	\$621	4	1156	5	2879	12	40.02	1	53.05	6
Deltapine DP 448B	\$603	5	1133	7	3035	1	37.58	16	52.73	7
SureGrow SG 747*	\$602	6	1158	4	2906	8	39.93	2	50.92	20
Deltapine DP 458B/RR	\$593	7	1114	9	2928	7	38.08	10	52.43	14
Deltapine DeltaPEARL	\$591	8	1115	8	2881	11	38.56	7	52.22	17
Deltapine DP 5415RR	\$588	9	1099	10	2886	10	38.03	13	53.08	5
NuCOTN 35B	\$585	10	1088	11	2956	4	37.00	21	53.19	3
Sure-Grow SG 821	\$577	11	1082	12	2819	17	38.38	8	52.42	15
Stoneville ST 580	\$573	12	1078	14	2839	13	38.05	12	52.62	11
PhytoGen PSC 355*	\$568	13	1148	6	2933	6	39.00	6	48.69	22
Deltapine DP 565	\$565	14	1081	13	2824	16	38.06	11	51.49	19
NuCOTN 33B	\$561	15	1048	16	2827	15	37.35	19	52.69	8
Deltapine DP 655B/RR	\$559	16	1044	17	2831	14	37.05	20	52.56	12
Germaines GC 377	\$554	17	1027	19	2743	18	37.41	17	53.17	4
Germaines GC 271	\$553	18	1053	15	2895	9	36.56	22	51.84	18
Deltapine DP 5415	\$549	19	1028	18	2714	20	37.95	14	52.67	10
Deltapine DP 5690RR	\$547	20	1021	20	2742	19	37.40	18	52.67	9
PM1560BG/RR	\$523	21	981	22	2597	22	37.86	15	52.44	13
Garst/Agripro 4600RR	\$511	22	993	21	2611	21	38.13	9	50.45	21
GRAND MEAN	\$580		1092		2858		38.22		52.30	
CHECK MEAN	\$585		1153		2920		39.46		49.80	
LSD	26.21		50		131		0.63		0.98	
CV	11.97		12.13		12.13		3.39		3.86	
R-SQUARED	0.79		0.75		0.73		0.71		0.76	
MSE	4812.45		17549.93		120155.99		1.68		4.06	
SED	15.91		30.39		79.52		0.38		0.59	
ALPHA	0.10		0.10		0.10		0.10		0.10	
REPS	38		38		38		23		23	
TAIL	2		2		2		2		2	

Shaded value not significantly different from the highest value.

*Early Maturity Checks

Table 8. Fiber Quality Averages for the Hill Region Mid-Maturity Test of the 2001 Mississippi Cotton Variety Trials. (Creech, 2002).

NAME	Uniformity										
	Mic		Length			Index		Strength		Elongation	
	Mic	Rank	UHM	32nds	Rank	%	Rank	g/tex	Rank	EL	Rank
FiberMax FM 966	4.4	12	1.15	37	5	85.1	1	34.3	1	8.1	20
FM 966 BG	4.3	20	1.15	37	3	84.3	4	32.2	2	8.1	22
Stoneville ST X9905	4.4	13	1.13	36	10	83.7	15	30.7	9	8.2	16
Deltapine DP 491	4.4	14	1.18	37	1	84.3	5	31.1	7	8.2	17
Deltapine DP 448B	4.3	21	1.12	36	15	83.5	20	28.4	21	8.2	19
SureGrow SG 747*	4.7	2	1.11	36	19	84.1	7	27.5	22	8.8	4
DP 458B/RR	4.6	6	1.12	36	16	83.4	21	30.2	12	8.4	12
DeltaPEARL	4.5	9	1.16	37	2	84.1	9	30.8	8	8.1	21
DP 5415RR	4.5	7	1.13	36	9	84.0	11	30.1	13	8.7	6
NuCOTN 35B	4.3	19	1.12	36	13	83.6	16	31.5	6	8.2	18
Sure-Grow SG 821	4.6	5	1.11	36	21	84.1	6	29.2	19	9.0	2
Stoneville ST 580	4.6	3	1.13	36	11	83.7	14	29.6	15	8.8	3
PhytoGen PSC 355*	4.8	1	1.11	36	20	84.0	10	30.3	11	9.1	1
Deltapine DP 565	4.5	8	1.14	37	8	84.1	8	29.6	16	8.5	11
NuCOTN 33B	4.3	16	1.13	36	12	83.6	17	29.3	18	8.6	10
Deltapine DP 655B/RR	4.3	18	1.12	36	18	83.5	19	31.8	5	8.4	13
Germains GC 377	4.5	10	1.14	37	6	84.4	3	30.7	10	8.8	5
Germains GC 271	4.6	4	1.15	37	4	84.6	2	32.1	3	8.7	8
Deltapine DP 5415	4.4	15	1.14	37	7	83.8	13	29.8	14	8.7	9
DP 5690RR	4.3	17	1.12	36	17	83.6	18	31.9	4	8.4	15
PM1560BG/RR	4.1	22	1.12	36	14	83.8	12	29.3	17	8.4	14
Garst/Agripro 4600RR	4.4	11	1.07	34	22	83.1	22	28.8	20	8.7	7
GRAND MEAN	4.5		1.13			83.9		30.4		8.5	
CHECK MEAN	4.8		1.11			84.0		28.9		8.9	
LSD	0.12		0.01			0.3		0.6		0.1	
CV	5.73		1.84			0.84		4.28		3.16	
R-SQUARED	0.67		0.84			0.77		0.79		0.83	
MSE	0.07		0.00			0.50		1.70		0.07	
SED	0.08		0.01			0.21		0.38		0.08	
ALPHA	0.10		0.10			0.10		0.10		0.10	
REPS	23		23			23		23		23	
TAIL	2		2			2		2		2	

Shaded value not significantly different from the highest value.

*Early Maturity Checks

Table 9. Three YearAverages in the Delta Region of the Early Maturity Test in 2001 Mississippi Cotton Variety Trials. (Creech, 2002)

NAME	Lint Yield		Mic		Length		Uniformity Index		Strength		Elongation	
	#/A	Rank	Mic	Rank	UHM	Rank	%	Rank	g/tex	Rank	EL	Rank
PSC 355	1274	1	4.9	2	1.11	8	84.1	4	30.7	2	8.7	1
PM 1218BG/RR	1265	2	4.7	6	1.08	15	83.6	10	27.9	10	7.8	11
MISCOT 8806	1231	3	4.7	11	1.12	3	84.2	2	30.8	1	7.9	9
Sure-Grow SG 747	1222	4	4.9	1	1.10	12	84.0	6	27.7	12	8.3	3
FiberMax FM 958	1217	5	4.7	8	1.15	1	84.2	3	30.7	3	6.9	15
Sure-Grow SG 105	1216	6	4.8	4	1.12	4	84.4	1	29.5	6	8.0	7
MISCOT 8839	1196	7	4.6	12	1.15	2	84.0	5	28.4	9	7.6	14
PM 1560BG	1178	8	4.8	5	1.10	10	83.8	9	30.2	4	8.1	6
Deltapine DP 428B	1151	9	4.6	13	1.11	6	83.4	14	26.9	15	7.7	12
Deltapine DP 388	1133	10	4.5	14	1.09	14	83.3	15	29.6	5	8.4	2
Deltapine DP 20B	1131	11	4.3	15	1.11	7	83.5	11	27.6	14	8.2	4
Stoneville BXN 47	1124	12	4.7	9	1.10	11	83.5	12	28.6	8	7.7	13
Stoneville ST 474	1115	13	4.9	3	1.09	13	83.9	8	29.0	7	7.9	10
DP 436RR	1105	14	4.7	10	1.11	5	83.9	7	27.6	13	8.2	5
DP 425RR	1045	15	4.7	7	1.10	9	83.4	13	27.7	11	7.9	8

Table 10. Three YearAverages in the Delta Region of the Mid-Maturity Test in 2001 Mississippi Cotton Variety Trials. (Creech, 2002)

NAME	Lint Yield		Mic		Length		Uniformity Index		Strength		Elongation	
	#/A	Rank	Mic	Rank	UHM	Rank	%	Rank	g/tex	Rank	EL	Rank
FiberMax FM 966	1180	1	4.6	4	1.15	1	84.8	1	34.2	1	6.9	5
SureGrow SG 747*	1155	2	4.9	2	1.11	4	84.1	2	28.5	5	8.4	1
Stoneville ST 474*	1106	3	4.9	1	1.11	5	84.0	3	29.7	3	7.9	2
NuCOTN 33B	1018	4	4.6	5	1.12	2	83.4	4	29.6	4	7.8	3
DP 458B/RR	986	5	4.8	3	1.12	3	83.3	5	30.4	2	7.8	4

*Early Maturity Checks

Table 11. Two Year Averages for the Delta Region of the Early Maturity test of the 2001 Mississippi Cotton Variety Trials. (Creech, 2002)

NAME	Uniformity											
	Lint Yield		Mic		Length		Index		Strength		Elongation	
	#/A	Rank	Mic	Rank	UHM	Rank	%	Rank	g/tex	Rank	EL	Rank
Paymaster PM 1218BG/RR	1159	1	4.7	7	1.08	26	83.5	16	27.6	20	8.3	18
PhytoGen PSC 355	1154	2	4.7	2	1.11	11	84.1	2	30.0	3	9.0	1
Stoneville ST 4691B	1154	3	4.4	24	1.10	13	83.2	29	27.7	18	8.1	25
Sure-Grow 105	1150	4	4.7	5	1.12	8	84.4	1	29.1	8	8.5	10
Stoneville ST 4892BR	1135	5	4.7	8	1.09	23	83.6	13	28.9	10	8.3	16
Sure-Grow 747	1134	6	4.8	1	1.10	16	83.9	8	26.9	25	8.5	9
Paymaster PM 1560BG	1131	7	4.6	10	1.10	14	83.8	9	29.5	5	8.5	7
FiberMax FM 958	1124	8	4.6	18	1.15	1	84.0	4	30.1	2	7.6	29
Sure-Grow 125BR	1120	9	4.6	11	1.07	29	83.2	28	27.0	24	8.4	13
MISCOT 8806-3-2-21	1094	10	4.6	13	1.11	9	84.0	5	28.8	12	8.7	4
Garst/Agripro AP9257	1092	11	4.4	23	1.09	25	83.3	22	29.0	9	8.1	26
Stoneville BXN 49B	1083	12	4.3	27	1.13	3	83.5	17	28.0	15	8.2	22
Deltapine DP 20B	1079	13	4.3	28	1.12	7	83.6	11	27.0	22	8.3	17
MISCOT 8806-3-2-35	1077	14	4.7	3	1.10	17	83.5	15	27.6	19	8.3	20
MISCOT 8806	1075	15	4.6	17	1.12	5	84.1	3	30.3	1	8.5	8
Deltapine DP 428B	1071	16	4.6	16	1.11	10	83.3	24	26.2	29	8.0	27
Sure-Grow 501BR	1061	17	4.7	6	1.07	27	83.5	14	29.1	7	8.7	5
Stoneville BXN 47	1055	18	4.6	15	1.09	18	83.2	27	28.1	14	8.2	23
Stoneville ST 474	1054	19	4.7	4	1.09	20	83.6	12	28.5	13	8.4	15
MISCOT 8839	1052	20	4.6	21	1.15	2	84.0	6	28.0	16	8.1	24
Deltapine DP 436RR	1041	21	4.5	22	1.12	6	83.7	10	26.9	26	8.5	11
Deltapine DP 451B/RR	1041	22	4.6	19	1.12	4	83.5	18	27.0	23	8.0	28
Deltapine DP 420RR	1037	23	4.4	26	1.09	19	83.4	19	26.8	27	8.3	19
Deltapine DP 388	1028	24	4.4	25	1.09	24	83.2	26	28.9	11	8.7	3
Deltapine DP 422B/RR	1018	25	4.3	29	1.09	22	83.3	25	26.6	28	8.4	12
Stoneville ST 4793R	1012	26	4.6	9	1.09	21	83.4	21	29.3	6	8.4	14
Sure-Grow 521R	1009	27	4.6	20	1.07	28	83.4	20	27.8	17	8.7	6
Deltapine DP 425RR	988	28	4.6	14	1.11	12	83.3	23	27.1	21	8.3	21
Sure-Grow 821	971	29	4.6	12	1.10	15	83.9	7	29.8	4	9.0	2

Table 12. Two Year Averages for the Delta Region of the Mid-Maturity test of the 2001 Mississippi Cotton Variety Trials. (Creech, 2002)

NAME	Lint Yield		Mic		Length		Uniformity Index		Strength		Elongation	
	#/A	Rank	Mic	Rank	UHM	Rank	%	Rank	g/tex	Rank	EL	Rank
	<i>PhytoGen PSC 355*</i>	1238	1	4.8	3	1.13	4	84.6	2	31.0	3	9.0
Stoneville ST X9905	1133	2	4.5	7	1.15	2	83.6	5	31.1	2	7.9	8
FiberMax FM 966	1130	3	4.5	8	1.16	1	85.0	1	34.6	1	7.7	9
<i>Sure-Grow SG 747*</i>	1121	4	4.8	2	1.11	7	84.1	3	28.1	9	8.6	2
<i>Stoneville ST 474*</i>	1103	5	4.9	1	1.11	8	83.9	4	29.5	6	8.3	4
Stoneville ST 580	1068	6	4.5	9	1.12	5	83.5	6	30.2	5	8.5	3
Garst/Agripro 4600RR	994	7	4.6	5	1.07	9	83.2	8	28.7	8	8.3	5
Deltapine DP 458B/RR	992	8	4.6	4	1.12	6	83.2	9	30.2	4	8.2	7
Deltapine NuCOTN 33B	975	9	4.6	6	1.13	3	83.4	7	29.5	7	8.2	6

* Early Maturity Checks

Table 13. Three Year Averages in the Hill Region of the Early Maturity Test in 2001 Mississippi Cotton Variety Trials. (Creech, 2002)

NAME	Lint Yield		Mic		Length		Uniformity Index		Strength		Elongation	
	#/A	Rank	Mic	Rank	UHM	Rank	%	Rank	g/tex	Rank	EL	Rank
	FiberMax FM 958	1015	1	4.6	12	1.13	1	84.1	8	31.1	3	7.2
PhytoGen PSC 355	1011	2	4.8	3	1.09	11	84.1	5	31.7	1	8.9	1
MISCOT 8806	992	3	4.6	11	1.10	7	84.1	4	31.2	2	8.0	9
Stoneville BXN 47	983	4	4.7	6	1.10	9	84.1	7	29.1	6	7.9	13
Paymaster 1218BG/RR	982	5	4.6	13	1.06	14	83.4	14	28.8	7	8.1	7
Sure-Grow SG 747	980	6	4.9	1	1.10	10	84.4	2	28.5	9	8.6	2
Deltapine DP 20B	975	7	4.4	14	1.10	8	83.9	10	28.2	12	8.4	3
Deltapine DP 428B	970	8	4.7	7	1.10	6	83.8	12	27.2	14	7.9	11
Deltapine DP 451B/RR	961	9	4.6	10	1.10	5	83.9	9	28.1	13	7.9	12
MISCOT 8839	955	10	4.7	8	1.12	2	84.1	6	28.6	8	7.9	10
Sure-Grow SG 105	951	11	4.9	2	1.11	4	84.7	1	30.5	4	8.1	6
Paymaster PM 1560BG	932	12	4.6	9	1.09	13	83.9	11	30.4	5	8.2	5
Deltapine DP 436RR	915	13	4.7	5	1.11	3	84.2	3	28.5	10	8.4	4
Deltapine DP 425RR	898	14	4.8	4	1.09	12	83.8	13	28.3	11	8.1	8

Table 14. Three Year Averages in the Hill Region of the Mid-Maturity Test in 2001 Mississippi Cotton Variety Trials. (Creech, 2002)

NAME	Lint Yield		Mic		Length		Uniformity Index		Strength		Elongation	
	#/A	Rank	Mic	Rank	UHM	Rank	%	Rank	g/tex	Rank	EL	Rank
	FiberMax FM 966	1056	1	4.5	2	1.12	1	84.6	1	33.6	1	7.2
<i>Sure-Grow SG 747**</i>	1020	2	4.8	1	1.10	3	84.5	2	28.4	4	8.6	1
Deltapine NuCotn 33 B	910	3	4.4	3	1.10	2	83.4	4	29.4	3	8.1	2
Paymaster PM 1560 BG/RR	903	4	4.2	4	1.10	4	83.6	3	29.4	2	8.0	3

**Early Maturity Checks

Table 15. Two Year Averages for the Hill Region of the Early Maturity test of the 2001 Mississippi Cotton Variety Trials. (Creech, 2002)

NAME	Lint Yield		Mic		Length		Uniformity Index		Strength		Elongation	
	#/A	Rank	Mic	Rank	UHM	Rank	%	Rank	g/tex	Rank	EL	Rank
FiberMax FM 958	1079	1	4.5	18	1.13	1	83.9	8	30.9	2	7.8	23
Stoneville ST 4892BR	1069	2	4.7	6	1.08	18	83.8	10	29.7	9	8.5	12
Stoneville ST 4691B	1050	3	4.5	17	1.10	10	83.6	17	28.2	15	8.2	20
PhytoGen PSC 355	1038	4	4.7	3	1.10	11	83.8	9	31.1	1	9.1	1
MISCOT 8806	1013	5	4.6	8	1.10	9	83.8	12	30.6	3	8.5	10
Sure-Grow SG 747	1006	6	4.8	2	1.09	13	84.2	2	27.6	22	8.7	4
Stoneville BXN 47	1005	7	4.6	14	1.10	12	84.0	4	28.8	13	8.3	18
Stoneville BXN 49B	1005	8	4.3	22	1.13	2	83.9	6	28.5	14	8.3	16
Deltapine DP 428B	1005	9	4.6	13	1.11	5	83.7	16	26.8	23	8.2	21
Deltapine DP 20B	997	10	4.4	20	1.10	8	83.9	7	27.8	19	8.5	11
Sure-Grow SG 501BR	994	11	4.7	4	1.08	19	84.0	3	30.3	4	8.9	2
Stoneville ST 4793R	994	12	4.6	12	1.09	15	83.4	20	30.0	7	8.5	9
MISCOT 8839	988	13	4.6	10	1.11	3	83.8	11	28.1	16	8.3	15
Sure-Grow SG 125BR	987	14	4.5	19	1.07	21	83.6	18	28.0	17	8.5	7
Deltapine DP 451B/RR	977	15	4.6	9	1.10	7	83.7	15	28.0	18	8.3	17
Sure-Grow SG 105	974	16	4.8	1	1.11	6	84.3	1	30.1	5	8.6	6
Deltapine DP 436RR	957	17	4.7	5	1.11	4	83.9	5	27.8	20	8.6	5
Garst/Agripro AP9257	954	18	4.4	21	1.07	20	83.1	22	28.9	11	8.1	22
Paymaster 1218BG/RR	950	19	4.6	16	1.07	22	83.4	21	29.0	10	8.4	13
Paymaster 1560BG	949	20	4.6	15	1.09	16	83.7	14	29.9	8	8.5	8
Sure-Grow SG 521R	938	21	4.6	11	1.06	23	83.8	13	28.9	12	8.8	3
Deltapine DP 425RR	935	22	4.7	7	1.09	17	83.5	19	27.7	21	8.3	14
Garst/Agripro 1500RR	875	23	4.0	23	1.09	14	83.1	23	30.0	6	8.3	19

Table 16. Two Year Averages for the Hill Region of the Mid-Maturity test of the 2001 Mississippi Cotton Variety Trials. (Creech, 2002)

NAME	Lint Yield		Mic		Length		Uniformity Index		Strength		Elongation	
	#/A	Rank	Mic	Rank	UHM	Rank	%	Rank	g/tex	Rank	EL	Rank
FiberMax FM 966	1094	1	4.4	5	1.12	1	84.5	1	33.8	1	8.0	10
<i>Sure-Grow SG 747**</i>	1054	2	4.7	1	1.10	6	84.2	2	27.4	10	8.8	3
<i>PhytoGen PSC 355**</i>	1044	3	4.7	2	1.09	9	83.8	3	30.4	3	9.2	1
Stoneville ST X9905	1032	4	4.3	7	1.10	7	83.1	9	29.9	5	8.1	9
Stoneville ST 580	985	5	4.6	4	1.11	3	83.5	4	29.9	4	8.8	2
Deltapine DP 458B/RR	984	6	4.7	3	1.10	8	83.1	8	29.4	6	8.4	6
Garst/Agripro 4600RR	952	7	4.4	6	1.05	10	82.7	10	28.3	9	8.5	4
Deltapine NuCotn 33 B	927	8	4.3	8	1.11	2	83.3	6	28.7	8	8.4	5
Deltapine DP 655B/RR	913	9	4.3	9	1.10	5	83.2	7	31.0	2	8.2	8
Paymaster PM 1560 BG/RR	902	10	4.2	10	1.10	4	83.5	5	29.0	7	8.3	7

**Early Maturity Checks