

2003 Mississippi Cotton Variety Trials

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Most of the variety trial locations are on research stations throughout the state. Trials that are planted on commercial farms give an added dimension to the results. While on-farm trials present logistical obstacles to researchers and to producer-cooperators, data from these trials give an important indication of how varieties will perform in “real world” situations. The authors wish to express their appreciation to W.E. Clark, Robert Sullivan and Dee Dobbs of the Cotton Improvement Program at Delta Research and Extension Center for their technical assistance, and also to the Mississippi cotton producers who allow us to conduct these variety trials on their farms and often put up with the aggravation of farming around small-plot research:

Brad Cobb, Tunica
Cliff Heaton, Clarksdale
Clark Carter, Rolling Fork
John Henry Miller, Desoto County
Jeff Parkinson, Durant

Introduction

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 ginner, 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-Maturity Cotton Variety Test was comprised of 38 varieties in the Delta and 38 in the Hill area of Mississippi. The Mid-maturity Cotton Variety Test was comprised of 27 varieties in the Delta and 23 varieties in the Hills. PhytoGen PSC 355, Stoneville 474, and Sure-Grow SG 747 were used as check varieties in tests with both maturity groups.

The Early-Maturity and Mid-season Variety Tests were conducted at five locations in the Delta: Stoneville, Tunica, Clarksdale, Rolling Fork, and Tribbett. Due to an accidental mid-season application of glyphosate at the Clarksdale location, only glyphosate tolerant varieties were included in the analysis for this location and should be taken into consideration upon interpretation. The Clarksdale location was not included in the analysis over locations. The Early-Maturity and Mid-season Tests were conducted at seven Hill locations: Mississippi State, Brooksville, Durant, Holly Springs, Nesbit, Claiborne County and Verona.

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 due to land space). The last replication in the MSU mid-variety trial was omitted from analysis due to excessive rains. 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 50-boll samples or from machine-harvested grab samples from three replications at each location. Samples were ginned on a 10-inch saw laboratory gin. HVI fiber property determinations were made by Starlab, Inc., Knoxville, TN.

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 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) 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 lb/A, varieties that differ by less than 80 lb/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 with 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 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

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. 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 two 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 locations results are available.

References

Weather data was obtained from the DREC Weather/GIS Data Center Web Site:

<http://www.deltaweather.msstate.edu/>

Anyone may obtain online weather data from several weather stations across Mississippi from this site.

List of Tables and a Brief Description of their Contents.

Table	Test	Year(s)	Location(s)	Traits reported
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2	Early-Maturity	2002-2003	Delta	Lint yield
3	Early-Maturity	2001-2003	Delta	Lint yield, fiber properties
4	Early-Maturity	2002-2003	Delta	Lint yield, fiber properties, seed index
5	Early-Maturity	2003	Delta	Lint yield, fiber properties, seed index
6	Early-Maturity	2003	Delta	Lint yield
7	Early-Maturity	2003	Tunica	Lint yield, fiber properties, seed index
8	Early-Maturity	2003	Tribbett	Lint yield, fiber properties, seed index
9	Early-Maturity	2003	Stoneville	Lint yield, fiber properties, seed index
10	Early-Maturity	2003	Rolling Fork	Lint yield, fiber properties, seed index
11	Early-Maturity	2003	Clarksdale	Lint yield, fiber properties, seed index
12	Mid-Maturity	2001-2003	Delta	Lint yield
13	Mid-Maturity	2001-2003	Delta	Lint yield, fiber properties
14	Mid-Maturity	2002-2003	Delta	Lint yield
15	Mid-Maturity	2002-2003	Delta	Lint yield, fiber properties, seed index
16	Mid-Maturity	2003	Delta	Lint yield, fiber properties, seed index
17	Mid-Maturity	2003	Delta	Lint yield
18	Mid-Maturity	2003	Tunica	Lint yield, fiber properties, seed index
19	Mid-Maturity	2003	Tribbett	Lint yield, fiber properties, seed index
20	Mid-Maturity	2003	Stoneville	Lint yield, fiber properties, seed index
21	Mid-Maturity	2003	Rolling Fork	Lint yield, fiber properties, seed index
22	Mid-Maturity	2003	Clarksdale	Lint yield, fiber properties, seed index
23	Early-Maturity	2001-2003	Hills	Lint yield
24	Early-Maturity	2001-2003	Hills	Lint yield, fiber properties
25	Early-Maturity	2002-2003	Hills	Lint Yield
26	Early-Maturity	2002-2003	Hills	Lint yield, fiber properties, seed index
27	Early-Maturity	2003	Hills	Lint yield, fiber properties, seed index
28	Early-Maturity	2003	Hills	Lint yield
29	Early-Maturity	2003	Brooksville	Lint yield, fiber properties, seed index
30	Early-Maturity	2003	Claiborne County	Lint yield, fiber properties, seed index
31	Early-Maturity	2003	Durant	Lint Yield, fiber properties, seed index
32	Early-Maturity	2003	Holly Springs	Lint yield, fiber properties, seed index
33	Early-Maturity	2003	Mississippi State	Lint yield, fiber properties, seed index
34	Early-Maturity	2003	Nesbit	Lint yield, fiber properties, seed index
35	Early-Maturity	2003	Verona	Lint yield, fiber properties, seed index
36	Mid-Maturity	2001-2003	Hills	Lint yield
37	Mid-Maturity	2001-2003	Hills	Lint yield, fiber properties
38	Mid-Maturity	2002-2003	Hills	Lint yield
39	Mid-Maturity	2002-2003	Hills	Lint yield, fiber properties, seed index
40	Mid-Maturity	2003	Hills	Lint yield, fiber properties, seed index
41	Mid-Maturity	2003	Hills	Lint yield
42	Mid-Maturity	2003	Brooksville	Lint yield, fiber properties, seed index
43	Mid-Maturity	2003	Claiborne County	Lint yield, fiber properties, seed index
44	Mid-Maturity	2003	Durant	Lint yield, fiber properties, seed index
45	Mid-Maturity	2003	Holly Springs	Lint yield, fiber properties, seed index
46	Mid-Maturity	2003	Mississippi State	Lint yield, fiber properties, seed index
47	Mid-Maturity	2003	Nesbit	Lint yield, fiber properties, seed index
48	Mid-Maturity	2003	Verona	Lint yield, fiber properties, seed index

Table 1. Three-Year (2001-2003) Lint Yield Averages over locations in the Delta Region Early-Maturity Test in the Mississippi Cotton Variety Trials.

NAME	3-yr Mean		2003		2002		2001	
	lb/A	Rank	lb/A	Rank	lb/A	Rank	lb/A	Rank
Stoneville ST 4892BR	1227	1	1236	4	1255	3	1191	10
Sure-Grow SG 215BG/RR	1221	2	1160	17	1193	9	1308	2
Paymaster PM 1218BG/RR	1211	3	1195	14	1218	6	1220	5
Stoneville BXN 49B	1196	4	1194	15	1248	4	1145	14
Phytogen PSC 355	1191	5	1198	13	1134	14	1242	3
Fibermax FM 958B	1183	6	1232	6	1193	10	1124	18
Sure-Grow SG 747	1179	7	1134	23	1200	7	1204	7
Fibermax FM 958	1145	8	1200	12	1057	28	1179	11
Fibermax FM 966	1144	9	1220	8	1079	21	1132	16
Sure-Grow SG 105	1129	10	1103	27	1058	27	1226	4
DES 816	1122	11	1145	20	1064	24	1158	12
Stoneville ST 4793R	1097	12	1127	24	1143	13	1021	40
Sure-Grow SG 521R	1072	13	1071	32	1091	19	1054	33
DES 810	1069	14	1155	19	980	36	1072	29
Deltapine DP 451B/RR	1059	15	1062	34	1073	23	1042	36
Deltapine DP 436RR	1043	16	1051	36	982	35	1096	25
Paymaster PM 1199RR	1014	17	1074	31	996	34	972	43

Table 2. Two-Year (2002-2003) Lint Yield Averages over locations in the Delta Region Early-Maturity Test in the Mississippi Cotton Variety Trials.

NAME	2-yr Mean		2003		2002	
	lb/A	Rank	lb/A	Rank	lb/A	Rank
Stoneville ST 4892BR	1245	1	1236	4	1255	3
Stoneville BXN 49B	1221	2	1194	15	1248	4
Fibermax FM 958B	1212	3	1232	6	1193	10
Deltapine DX2429	1209	4	1252	3	1166	12
Paymaster PM 1218BG/RR	1206	5	1195	14	1218	6
Sure-Grow SG 215BG/RR	1177	6	1160	17	1193	9
Sure-Grow SG 747	1167	7	1134	23	1200	7
Phytogen PSC 355	1166	8	1198	13	1134	14
Fibermax FM 966	1150	9	1220	8	1079	21
Stoneville ST 4793R	1135	10	1127	24	1143	13
Fibermax FM 958	1129	11	1200	12	1057	28
BCG 28R	1110	12	1156	18	1063	25
DES 816	1104	13	1145	20	1064	24
Sure-Grow 521R	1081	14	1071	32	1091	19
Sure-Grow 105	1080	15	1103	27	1058	27
DES 810	1068	16	1155	19	980	36
Deltapine DP 451B/RR	1068	17	1062	34	1073	23
Paymaster PM 1199RR	1035	18	1074	31	996	34
Deltapine DP 436RR	1016	19	1051	36	982	35

Table 3. Three-Year (2001-2003) Lint Yield and Fiber Quality Averages over locations of the Delta Region Early-Maturity Test in the Mississippi Cotton Variety Trials.

NAME	Lint Yield		Lint Percent		Length (UHM)		Uniformity Index		Strength (HVI)		Elongation		Micronaire	
	lb/A	Rank	%	Rank	in	Rank	%	Rank	g/tex	Rank	EL	Rank	MIC	Rank
Stoneville ST 4892BR	1227	1	39.19	3	1.10	13	83.81	10	30.20	8	8.34	9	4.83	6
Sure-Grow SG 215BG/RR	1221	2	37.84	12	1.07	17	83.62	14	27.24	16	8.56	3	4.72	10
Paymaster PM 1218BG/RR	1211	3	39.27	2	1.08	15	83.55	16	28.10	13	8.19	12	4.94	2
Stoneville BXN 49B	1196	4	38.09	11	1.13	4	83.73	11	28.53	11	8.10	13	4.53	16
Phytogen PSC 355	1191	5	38.57	7	1.11	9	84.16	5	30.84	6	8.94	1	4.97	1
Fibermax FM 958B	1183	6	38.20	10	1.14	3	84.20	4	33.24	2	7.84	15	4.48	17
Sure-Grow SG 747	1179	7	39.09	4	1.11	10	83.90	8	27.48	15	8.45	5	4.91	3
Fibermax FM 958	1145	8	39.73	1	1.15	1	84.14	6	31.93	3	7.60	17	4.80	7
Fibermax FM 966	1144	9	38.62	6	1.15	2	84.50	1	33.84	1	7.63	16	4.66	13
Sure-Grow SG 105	1129	10	38.24	9	1.12	7	84.35	3	30.19	9	8.40	8	4.79	8
DES 816	1122	11	37.36	14	1.12	8	83.91	7	31.33	4	8.43	7	4.74	9
Stoneville ST 4793R	1097	12	38.98	5	1.09	14	83.67	13	30.10	10	8.44	6	4.84	5
Sure-Grow SG 521R	1072	13	37.52	13	1.08	16	83.49	17	28.28	12	8.61	2	4.66	12
DES 810	1069	14	36.14	15	1.10	12	83.70	12	30.34	7	8.46	4	4.58	15
Deltapine DP 451B/RR	1059	15	35.01	16	1.12	6	83.59	15	27.85	14	7.95	14	4.66	11
Deltapine DP 436RR	1043	16	34.62	17	1.13	5	83.82	9	26.97	17	8.33	10	4.63	14
Paymaster PM 1199RR	1014	17	38.43	8	1.11	11	84.48	2	31.11	5	8.24	11	4.86	4

Table 4. Two-Year (2002-2003) Lint Yield and Fiber Quality Averages over locations in the Delta Region Early-Maturity Test in the Mississippi Cotton Variety Trials.

NAME	Lint Yield		Lint Percent		Seed Index		Length (UHM)		Uniformity Index		Strength (HVI)		Elongation		Micronaire	
	lb/A	Rank	%	Rank	g	Rank	in	Rank	%	Rank	g/tex	Rank	EL	Rank	MIC	Rank
Stoneville ST 4892BR	1245	1	39.30	3	10.31	10	1.10	14	83.94	10	30.64	10	8.32	10	4.80	10
Stoneville BXN 49B	1221	2	38.37	10	10.37	7	1.12	6	83.73	15	28.62	14	8.03	14	4.59	17
Fibermax FM 958B	1212	3	38.31	11	10.35	8	1.13	3	84.08	7	33.81	2	7.80	17	4.36	19
Deltapine DX2429	1209	4	38.29	12	10.51	4	1.12	8	84.55	1	32.49	4	9.04	1	4.92	4
Paymaster PM 1218BG/RR	1206	5	39.03	6	11.04	2	1.08	17	83.58	18	28.45	16	8.14	13	4.90	5
Sure-Grow SG 215BG/RR	1177	6	37.71	14	10.02	17	1.08	19	83.82	13	27.82	18	8.52	4	4.70	12
Sure-Grow SG 747	1167	7	39.20	4	10.19	11	1.12	12	84.00	8	27.97	17	8.47	6	4.92	3
Phytogen PSC 355	1166	8	38.39	9	10.15	13	1.12	10	84.13	6	31.45	6	8.93	2	4.95	2
Fibermax FM 966	1150	9	38.85	7	11.47	1	1.15	2	84.55	2	34.68	1	7.63	19	4.68	15
Stoneville ST 4793R	1135	10	39.12	5	10.12	15	1.09	16	83.88	12	30.56	11	8.41	8	4.83	8
Fibermax FM 958	1129	11	39.69	1	10.84	3	1.15	1	84.14	5	32.62	3	7.64	18	4.81	9
BCG 28R	1110	12	39.57	2	9.11	19	1.13	4	83.50	19	28.99	12	7.82	16	5.05	1
DES 816	1104	13	37.31	16	10.42	6	1.12	11	83.96	9	31.91	5	8.45	7	4.71	11
Sure-Grow 521R	1081	14	37.63	15	10.06	16	1.08	18	83.75	14	28.66	13	8.61	3	4.65	16
Sure-Grow 105	1080	15	38.26	13	10.15	14	1.12	7	84.41	4	30.81	8	8.39	9	4.85	7
DES 810	1068	16	36.00	17	10.00	18	1.10	15	83.66	17	30.68	9	8.51	5	4.56	18
Deltapine DP 451B/RR	1068	17	35.05	18	10.17	12	1.12	9	83.72	16	28.54	15	8.01	15	4.70	13
Paymaster PM 1199RR	1035	18	38.53	8	10.45	5	1.11	13	84.50	3	31.23	7	8.24	12	4.88	6
Deltapine DP 436RR	1016	19	34.68	19	10.34	9	1.13	5	83.93	11	27.33	19	8.28	11	4.70	14

Table 5. Delta Region Early-Maturity Test Average[†] Yields and Fiber Properties Across Locations, 2003 Mississippi Cotton Variety Trials.

NAME	Lint Yield		Lint Percent		Seed Index		Length (UHM)		Uniformity Index		Strength (HVI)		Elongation		Micronaire	
	lb/A	Rank	%	Rank	g	Rank	in	Rank	%	Rank	g/tex	Rank	EL	Rank	MIC	Rank
OAX-300BR	1330	1	40.31	3	9.83	29	1.03	38	83.04	35	28.34	30	8.72	5	4.68	19
OAX-303	1329	2	42.07	1	9.10	38	1.10	28	83.52	26	29.03	24	8.03	23	4.94	2
DX 2429	1252	3	38.85	22	10.14	20	1.11	19	84.06	6	32.28	7	8.95	2	4.76	13
Stoneville ST 4892BR	1236	4	39.98	7	10.16	19	1.09	30	83.52	27	30.27	18	8.19	17	4.79	10
Deltapine DP 434RR	1234	5	41.43	2	9.50	34	1.13	6	84.02	7	27.58	36	8.13	19	4.38	35
FiberMax FM 958B	1232	6	38.75	23	10.18	17	1.13	7	83.58	20	33.70	4	7.76	32	4.34	36
Stoneville ST 474	1220	7	40.18	5	10.01	21	1.08	34	83.23	33	29.59	22	8.08	21	4.82	7
FiberMax FM 966	1220	8	39.73	10	11.53	2	1.14	5	84.10	4	34.34	3	7.48	37	4.73	15
Deltapine DP 444BG/RR	1217	9	39.56	11	9.85	26	1.11	17	83.68	14	28.98	25	7.88	27	4.18	38
DPLX 00W12	1207	10	39.93	8	9.96	23	1.15	3	84.76	1	31.52	9	8.96	1	4.69	17
FiberMax FM 960BR	1205	11	38.25	27	10.79	6	1.11	24	83.56	24	35.48	2	7.76	33	4.52	31
FiberMax FM 958	1200	12	40.02	6	10.79	5	1.14	4	83.92	10	33.12	5	7.68	35	4.79	9
PhytoGen PSC 355	1198	13	39.02	19	9.88	25	1.11	16	83.73	13	31.45	10	8.86	3	4.88	3
Paymaster PM 1218BG/RR	1195	14	39.50	12	10.90	4	1.07	37	83.39	29	28.29	32	8.05	22	4.77	12
Stoneville BXN 49B	1194	15	39.22	17	10.19	15	1.12	10	83.63	18	28.31	31	7.99	25	4.55	29
FiberMax FM 966LL	1177	16	39.43	15	11.36	3	1.11	22	83.52	25	35.52	1	7.77	31	4.83	6
Sure-Grow SG 215BG/RR	1160	17	38.59	25	9.98	22	1.08	35	83.57	23	27.71	35	8.47	12	4.69	18
BCG 28R	1156	18	40.24	4	9.13	37	1.12	13	83.03	36	28.83	27	7.75	34	5.07	1
DES 810	1155	19	36.79	35	9.84	28	1.09	31	83.27	31	29.70	21	8.55	9	4.48	32
DES 816	1145	20	38.07	30	10.29	12	1.11	23	83.48	28	31.30	11	8.39	13	4.68	23
Stoneville ST 4563B2	1139	21	38.69	24	9.70	30	1.12	12	82.72	38	27.73	34	7.44	38	4.56	28
Deltapine DP 432RR	1134	22	39.46	13	9.33	35	1.11	26	84.00	8	30.76	14	8.68	7	4.74	14
Sure-Grow SG 747	1134	23	39.92	9	10.18	16	1.11	15	83.99	9	28.00	33	8.48	11	4.88	4
Stoneville ST 4793R	1127	24	39.43	14	9.85	27	1.09	32	83.60	19	30.18	19	8.28	15	4.73	16
OAX-304BR	1122	25	37.41	32	9.57	33	1.09	29	83.57	22	30.56	16	8.69	6	4.58	27
Stoneville ST 4646B2R	1104	26	38.25	28	9.68	31	1.11	20	82.84	37	29.13	23	7.87	28	4.43	34
Sure-Grow 105	1103	27	38.89	21	9.96	24	1.12	9	84.08	5	30.46	17	8.29	14	4.78	11
FiberMax FM 958LL	1093	28	39.01	20	10.63	7	1.16	2	83.68	15	32.94	6	7.62	36	4.62	25
PhytoGen PHY 410RR	1091	29	38.16	29	10.54	9	1.12	11	84.38	2	30.69	15	8.73	4	4.68	21
DPLX 02X71R	1079	30	39.14	18	9.59	32	1.10	27	83.58	21	30.08	20	8.53	10	4.68	20
Paymaster PM 1199RR	1074	31	39.30	16	10.37	10	1.11	25	84.33	3	30.88	13	8.10	20	4.85	5
Sure-Grow 521R	1071	32	38.33	26	10.35	11	1.09	33	83.79	12	28.86	26	8.66	8	4.68	22
OAX-302BR	1068	33	34.32	38	10.57	8	1.11	18	83.23	34	27.03	38	7.98	26	4.53	30
Deltapine DP 451B/RR	1062	34	35.72	36	10.24	14	1.12	14	83.67	16	28.67	28	8.02	24	4.82	8
BCG 295	1052	35	37.17	33	10.25	13	1.16	1	83.86	11	31.25	12	7.84	29	4.45	33
Deltapine DP 436RR	1051	36	35.38	37	10.17	18	1.13	8	83.63	17	27.24	37	8.15	18	4.58	26
Stoneville ST 3990BR	1030	37	37.14	34	11.68	1	1.07	36	83.27	32	28.67	29	8.26	16	4.28	37
Deltapine DP 449BG/RR	1014	38	37.75	31	9.26	36	1.11	21	83.32	30	31.90	8	7.78	30	4.66	24

Mean	1153	38.77	10.13	1.11	83.63	30.22	8.19	4.66
LSD (.10)	59	0.67	0.44	0.01	0.47	1.03	0.20	0.16
CV(%)	10.52	2.55	6.43	1.98	0.82	5.01	3.61	5.14
R-SQUARED	0.87	0.88	0.78	0.88	0.78	0.82	0.83	0.67
REPS	4	4	4	4	4	4	4	4

Shaded values not significantly different from highest value.

[†]Least squared means.

Table 6. Lint Yields (Mean[†]) in the Delta Region Early-Maturity Test, 2003 Mississippi Cotton Variety Trials.

NAME	Tunica		Tribbett		Stoneville		Rolling Fork		Delta	
	lb/A	Rank	lb/A	Rank	lb/A	Rank	lb/A	Rank	lb/A	Rank
OAX-300BR	951	4	1295	2	1724	2	1351	2	1330	1
OAX-303	859	10	1230	4	1726	1	1423	1	1329	2
DX2429	1063	1	1216	7	1504	21	1226	10	1252	3
Stoneville ST 4892BR	918	6	1118	13	1657	4	1250	7	1236	4
Deltapine DP 434RR	628	38	1047	24	1650	5	1321	3	1234	5
FiberMax FM 958B	991	2	1231	3	1517	19	1150	25	1232	6
Stoneville ST 474	818	17	1137	12	1630	6	1295	4	1220	7
FiberMax FM 966	826	14	1229	5	1591	10	1169	19	1220	8
Deltapine DP 444BG/RR	861	9	1045	25	1676	3	1229	9	1217	9
DPLX 00W12	799	19	1305	1	1552	15	1164	20	1207	10
FiberMax FM 960BR	934	5	1020	27	1616	8	1248	8	1205	11
FiberMax FM 958	775	23	1200	9	1544	17	1210	14	1200	12
PhytoGen PSC 355	772	25	1156	11	1581	12	1211	13	1198	13
Paymaster PM 1218BG/RR	908	7	1070	19	1574	13	1181	18	1195	14
Stoneville BXN 49B	840	12	1221	6	1554	14	1163	22	1194	15
FiberMax FM 966LL	793	20	1202	8	1470	26	-	-	1177	16
Sure-grow SG 215BG/RR	801	18	1033	26	1595	9	1211	12	1160	17
BCG 28R	716	32	1072	18	1509	20	1256	6	1156	18
DES 810	774	24	1171	10	1475	24	1203	15	1155	19
DES 816	959	3	1052	21	1474	25	1096	27	1145	20
Stoneville ST 4563B2	733	31	1103	15	1519	18	1199	16	1139	21
Deltapine DP 432RR	694	35	958	32	1623	7	1260	5	1134	22
Sure-Grow SG 747	833	13	1097	17	1552	16	1054	31	1134	23
Stoneville ST 4793R	659	37	1108	14	1589	11	1158	24	1127	24
OAX-304BR	890	8	1060	20	1444	29	1095	28	1122	25
Stoneville ST 4646B2R	823	15	947	33	1439	30	1162	23	1104	26
Sure-Grow 105	842	11	992	31	1413	33	1163	21	1103	27
FiberMax FM 958LL	742	30	1047	23	1430	31	-	-	1093	28
PhytoGen PHY 410RR	770	26	945	34	1466	27	1181	17	1091	29
DPLX 02X71R	676	36	919	37	1502	22	1219	11	1079	30
Paymaster PM 1199RR	821	16	939	35	1462	28	1074	29	1074	31
Sure-Grow 521R	760	28	1013	28	1477	23	1033	33	1071	32
OAX-302BR	785	22	1099	16	1345	37	1043	32	1068	33
Deltapine DP 451B/RR	759	29	937	36	1338	38	1135	26	1062	34
BCG 295	707	33	1009	30	1420	32	1014	35	1052	35
Deltapine DP 436RR	766	27	1009	29	1367	36	1065	30	1051	36
Stoneville ST 3990BR	790	21	1050	22	1389	35	851	36	1030	37
Deltapine DP 449BG/RR	696	34	891	38	1393	34	1021	34	1014	38

Mean	813	1084	1521	1168	1153
LSD (.10)	138	110	120	99	59
CV(%)	16.92	10.68	8.29	8.77	10.52
R-SQUARED	0.48	0.56	0.54	0.64	0.87
REPS	6	6	6	6	24

Shaded values not significantly different from highest value.

[†]Least squared means.

Table 7. Tunica, MS location of the Delta Region Early-Maturity Test in the 2003 Mississippi Cotton Variety Trial grown on a Sandy Loam Soil.

NAME	Lint Yield		Lint Percent		Seed Index		Length (UHM)		Uniformity Index		Strength (HVI)		Elongation		Micronaire	
	lb/A	Rank	%	Rank	g	Rank	in	Rank	%	Rank	g/tex	Rank	EL	Rank	MIC	Rank
DX2429	1063	1	39.17	21	10.30	13	1.09	18	83.10	17	34.47	4	9.57	1	5.17	4
FiberMax FM 958B	991	2	39.18	20	9.80	27	1.09	17	82.17	34	33.83	6	8.10	31	4.43	37
DES 816	959	3	38.76	29	10.03	20	1.11	12	83.37	6	32.23	13	8.73	12	5.13	8
OAX-300BR	951	4	40.43	9	9.73	29	0.99	38	81.93	37	28.40	34	8.87	10	4.60	30
FiberMax FM 960BR	934	5	38.76	28	10.63	7	1.07	28	83.20	14	37.13	1	8.23	26	4.87	16
Stoneville ST 4892BR	918	6	42.03	2	10.13	17	1.07	30	82.87	20	32.77	8	8.70	13	5.13	6
Paymaster PM 1218BG/RR	908	7	41.04	6	10.37	12	1.03	37	82.57	26	28.67	32	8.10	32	4.90	15
OAX-304BR	890	8	37.78	33	9.77	28	1.06	32	82.47	28	30.97	21	9.13	6	4.83	20
Deltapine DP 444BG/RR	861	9	39.16	22	10.00	21	1.09	19	81.73	38	28.90	30	7.87	35	3.80	38
OAX-303	859	10	41.58	4	9.70	30	1.07	26	83.37	7	31.23	19	8.60	16	5.43	1
Sure-Grow 105	842	11	39.20	19	10.20	15	1.11	9	83.33	8	30.80	23	8.63	15	4.83	22
Stoneville BXN 49B	840	12	41.68	3	10.13	18	1.08	23	83.10	18	29.37	29	8.57	19	4.83	23
Sure-Grow SG 747	833	13	40.00	11	10.43	11	1.08	20	82.90	19	27.97	37	8.43	24	4.87	19
FiberMax FM 966	826	14	39.67	15	11.67	1	1.13	3	83.77	4	34.60	3	7.70	37	4.93	14
Stoneville ST 4646B2R	823	15	39.81	13	9.40	34	1.07	27	82.27	30	31.47	18	8.43	25	4.70	28
Paymaster PM 1199RR	821	16	39.44	17	10.20	14	1.12	6	83.87	2	30.87	22	8.47	22	5.03	10
Stoneville ST 474	818	17	41.41	5	9.97	22	1.05	34	82.23	32	30.57	24	8.57	18	5.13	7
Sure-Grow SG 215BG/RR	801	18	38.87	26	10.47	9	1.07	29	82.80	21	28.00	36	8.90	9	4.80	25
DPLX 00W12	799	19	40.39	10	9.33	36	1.13	4	83.83	3	31.70	16	9.27	4	4.47	34
FiberMax FM 966LL	793	20	39.28	18	11.67	2	1.10	14	83.23	12	36.07	2	8.10	30	5.03	11
Stoneville ST 3990BR	790	21	38.04	32	11.20	3	1.04	36	82.63	25	29.53	28	8.53	20	4.43	35
OAX-302BR	785	22	35.18	38	10.10	19	1.08	24	82.03	36	28.03	35	8.17	29	4.43	36
FiberMax FM 958	775	23	38.55	31	11.07	4	1.12	5	83.70	5	33.83	5	8.23	27	4.97	12
DES 810	774	24	37.34	36	10.50	8	1.11	8	82.17	33	31.13	20	8.57	17	4.53	32
PhytoGen PSC 355	772	25	39.90	12	9.43	33	1.08	22	82.50	27	32.70	10	9.47	2	5.17	5
PhytoGen PHY 410RR	770	26	38.75	30	10.93	6	1.10	15	84.13	1	32.47	12	9.17	5	5.37	3
Deltapine DP 436RR	766	27	37.04	37	9.87	24	1.11	7	83.27	11	28.40	33	8.67	14	4.53	31
Sure-Grow 521R	760	28	38.77	27	10.47	10	1.04	35	82.70	24	29.87	27	8.77	11	4.83	21
Deltapine DP 45B/RR	759	29	37.58	35	10.17	16	1.09	16	82.70	23	30.30	25	8.50	21	4.87	18
FiberMax FM 958LL	742	30	39.09	23	10.93	5	1.14	2	83.13	15	33.47	7	7.77	36	4.87	17
Stoneville ST 4563B2	733	31	40.63	8	9.83	26	1.08	25	82.37	29	27.70	38	7.60	38	4.83	24
BCG 28R	716	32	38.91	24	9.90	23	1.11	13	83.20	13	30.03	26	8.17	28	5.40	2
BCG 295	707	33	38.90	25	9.83	25	1.16	1	83.10	16	31.90	15	7.97	34	4.77	26
Deltapine DP 449BG/RR	696	34	37.62	34	9.37	35	1.11	11	83.30	10	32.57	11	8.03	33	4.63	29
Deltapine DP 432RR	694	35	39.66	16	9.20	38	1.08	21	83.33	9	32.70	9	9.40	3	4.93	13
DPLX 02X71R	676	36	40.88	7	9.70	31	1.07	31	82.13	35	32.20	14	8.90	7	4.73	27
Stoneville ST 4793R	659	37	39.71	14	9.63	32	1.06	33	82.23	31	31.57	17	8.90	8	5.10	9
Deltapine DP 434RR	628	38	42.85	1	9.30	37	1.11	10	82.70	22	28.73	31	8.43	23	4.47	33

Mean	813	39.40	10.14	1.09	82.88	31.24	8.53	4.84
LSD (.10)	138	1.75	1.05	0.03	1.01	2.07	0.41	0.31
CV(%)	16.92	3.26	7.61	2.20	0.89	4.87	3.50	4.73
R-SQUARE	0.48	0.69	0.49	0.76	0.55	0.78	0.80	0.75
REPS	6	3	3	3	3	3	3	3

Shaded values not significantly different from highest value.

Table 8. Tribbett, MS location of the Delta Region Early-Maturity Test in the 2003 Mississippi Cotton Variety Trial grown on a Forestdale Silty Clay Loam Soil.

NAME	Lint Yield		Lint Percent		Seed Index		Length (UHM)		Uniformity Index		Strength (HVI)		Elongation		Micronaire	
	lb/A	Rank	%	Rank	g	Rank	in	Rank	%	Rank	g/tex	Rank	EL	Rank	MIC	Rank
DPLX 00W12	1305	1	42.50	5	8.97	22	1.09	3	84.07	1	31.23	5	9.07	1	4.73	6
OAX-300BR	1295	2	42.61	4	9.00	21	1.02	37	82.43	33	28.27	18	8.50	6	4.73	7
FiberMax FM 958B	1231	3	39.82	21	9.37	12	1.09	5	82.63	29	31.93	4	7.60	28	4.27	36
OAX-303	1230	4	43.52	1	8.03	35	1.04	30	82.87	21	26.23	33	7.83	21	4.77	4
FiberMax FM 966	1229	5	41.03	10	10.63	2	1.10	2	82.77	24	30.00	9	7.23	37	4.53	23
Stoneville BXN 4B	1221	6	40.65	13	9.37	11	1.08	10	82.53	32	26.33	32	7.53	31	4.50	27
DX2429	1216	7	40.14	16	8.57	27	1.07	17	83.33	10	29.00	14	8.50	5	4.53	21
FiberMax FM 966LL	1202	8	39.86	20	10.47	3	1.08	8	82.93	19	32.50	2	7.43	34	4.77	5
FiberMax FM 958	1200	9	41.71	6	9.63	8	1.08	9	82.67	27	32.03	3	7.60	27	4.73	8
DES 810	1171	10	38.64	33	8.73	24	1.03	35	83.23	13	28.47	17	8.37	8	4.63	16
PhytoGen PSC 355	1156	11	40.13	18	8.37	33	1.08	12	83.07	16	29.73	11	8.10	14	4.70	9
Stoneville ST 474	1137	12	41.50	7	8.37	32	1.02	36	82.60	31	27.40	25	7.60	29	4.67	15
Stoneville ST 4892BR	1118	13	40.79	12	9.07	20	1.05	29	83.37	8	27.67	23	7.67	23	4.70	10
Stoneville ST 4793R	1108	14	40.93	11	9.30	13	1.05	27	83.23	12	27.50	24	7.63	26	4.70	11
Stoneville ST 4563B2	1103	15	39.96	19	8.43	31	1.06	21	81.60	38	26.40	31	7.23	36	4.37	34
OAX-302BR	1099	16	36.51	38	9.93	4	1.08	11	83.07	15	25.60	38	7.67	25	4.53	22
Sure-Grow SG 747	1097	17	42.87	2	9.10	18	1.07	16	82.87	20	25.93	34	8.17	10	4.83	2
BCG 28R	1072	18	41.30	8	7.87	37	1.07	15	81.80	37	27.20	27	7.47	32	4.80	3
Paymaster PM 1218BG/RR	1070	19	39.81	22	9.87	5	1.04	32	83.03	18	27.27	26	8.03	17	4.57	19
OAX-304BR	1060	20	39.30	29	8.47	30	1.05	23	82.67	28	28.50	16	8.67	2	4.53	24
DES 816	1052	21	39.46	27	9.20	15	1.05	25	82.60	30	30.13	8	8.03	15	4.43	30
Stoneville ST 3990BR	1050	22	39.75	24	11.07	1	1.04	31	83.43	7	28.27	19	8.43	7	4.43	29
FiberMax FM 958LL	1047	23	38.98	31	9.80	6	1.13	1	83.63	2	30.83	6	7.53	30	4.67	13
Deltapine DP 434RR	1047	24	42.78	3	8.20	34	1.05	28	83.30	11	26.43	30	8.13	13	4.40	33
Deltapine DP 444BG/RR	1045	25	40.31	15	8.67	25	1.06	19	83.50	4	26.43	29	7.67	24	4.13	37
Sure-Grow SG 215BG/RR	1033	26	39.24	30	8.63	26	1.02	38	82.87	22	26.60	28	8.17	12	4.40	32
FiberMax FM 960BR	1020	27	38.52	34	9.80	7	1.08	13	82.70	26	34.40	1	7.83	19	4.30	35
Sure-Grow 521R	1013	28	40.13	17	9.10	19	1.05	22	82.83	23	28.10	20	8.37	9	4.67	12
Deltapine DP 436RR	1009	29	36.78	36	9.43	9	1.09	6	83.03	17	25.63	37	7.83	22	4.53	25
BCG 295	1009	30	38.32	35	9.17	16	1.09	7	82.07	35	30.00	10	8.03	16	4.47	28
Sure-Grow 105	992	31	40.45	14	8.50	28	1.07	14	83.33	9	27.97	21	7.97	18	4.60	17
Deltapine DP 432RR	958	32	39.69	25	8.83	23	1.04	33	83.47	6	29.43	13	8.50	4	4.57	18
Stoneville ST 4646B2R	947	33	39.35	28	8.50	29	1.07	18	82.77	25	25.67	36	7.17	38	4.03	38
PhytoGen PHY 410RR	945	34	39.65	26	9.30	14	1.09	4	83.60	3	29.47	12	8.57	3	4.40	31
Paymaster PM 1199RR	939	35	41.22	9	9.37	10	1.04	34	83.50	5	28.93	15	7.83	20	4.93	1
Deltapine DP 451B/RR	937	36	36.62	37	9.13	17	1.06	20	82.40	34	25.80	35	7.47	33	4.57	20
DPLX 02X71R	919	37	39.81	23	7.97	36	1.05	26	83.20	14	27.93	22	8.17	11	4.50	26
Deltapine DP 449BG/RR	891	38	38.96	32	7.87	38	1.05	24	82.03	36	30.20	7	7.43	35	4.67	14

Mean	1084	40.09	9.05	1.06	82.92	28.46	7.92	4.56
LSD (.10)	110	1.43	0.70	0.04	0.92	2.44	0.41	0.38
CV(%)	10.68	2.62	5.68	2.64	0.81	6.29	3.83	6.12
R-SQUARE	0.56	0.78	0.76	0.55	0.50	0.69	0.78	0.43
REPS	6	3	3	3	3	3	3	3

Shaded values not significantly different from highest value.

Table 9. Stoneville, MS location of the Delta Region Early-Maturity Test in the 2003 Mississippi Cotton Variety Trial grown on a Bosket Very Fine Sandy Loam Soil.

NAME	Lint Yield		Lint Percent		Seed Index		Length (UHM)		Uniformity Index		Strength (HVI)		Elongation		Micronaire	
	lb/A	Rank	%	Rank	g	Rank	in	Rank	%	Rank	g/tex	Rank	EL	Rank	MIC	Rank
OAX-303	1726	1	42.72	1	8.53	38	1.10	36	82.50	37	29.97	24	7.63	28	4.63	22
OAX-300BR	1724	2	41.00	5	9.83	30	1.07	38	83.83	21	28.93	31	8.67	5	4.97	4
Deltapine DP 444BG/RR	1676	3	40.78	6	10.23	21	1.15	14	84.27	15	30.63	21	7.77	22	4.40	30
Stoneville ST 4892BR	1657	4	39.57	16	10.37	18	1.12	28	83.53	29	30.73	20	7.83	19	4.70	16
Deltapine DP 434RR	1650	5	41.64	2	9.60	33	1.18	3	84.47	7	28.27	36	7.80	20	4.53	24
Stoneville ST 474	1630	6	40.48	9	10.13	25	1.11	34	83.23	34	30.80	18	7.83	18	4.93	5
Deltapine DP 432RR	1623	7	39.78	12	9.40	35	1.16	6	84.63	4	30.60	22	7.97	15	4.40	29
FiberMax FM 960BR	1616	8	39.00	23	10.87	8	1.12	26	83.37	32	35.77	3	7.40	37	4.33	35
Sure-Grow SG 215BG/RR	1595	9	39.76	13	10.20	22	1.11	33	84.43	10	28.67	34	8.23	11	4.87	7
FiberMax FM 966	1591	10	40.49	8	11.60	3	1.14	19	83.57	27	37.10	2	7.40	36	4.80	12
Stoneville ST 4793R	1589	11	39.82	10	10.07	27	1.11	32	84.13	18	31.43	16	8.10	13	4.60	23
PhytoGen PSC 355	1581	12	39.26	19	10.17	24	1.13	25	84.23	16	31.73	13	8.83	1	4.80	9
Paymaster PM 1218BG/RR	1574	13	39.67	14	11.47	4	1.10	37	83.27	33	29.10	29	7.97	16	4.70	15
Stoneville BXN 49B	1554	14	38.26	28	10.63	11	1.16	5	83.70	24	29.07	30	7.63	30	4.37	33
DPLX 00W12	1552	15	39.82	11	10.40	16	1.18	4	84.97	1	32.57	9	8.70	3	4.80	10
Sure-Grow SG 747	1552	16	40.54	7	9.90	29	1.14	18	84.87	2	29.23	26	8.50	8	5.07	1
FiberMax FM 958	1544	17	41.03	4	10.87	9	1.16	9	83.73	23	34.73	5	7.47	34	4.73	14
Stoneville ST 4563B2	1519	18	37.39	32	9.70	32	1.16	8	82.37	38	28.13	37	7.20	38	4.27	36
FiberMax FM 958B	1517	19	39.14	21	10.50	13	1.14	17	84.10	19	35.07	4	7.63	26	4.37	32
BCG 28R	1509	20	41.21	3	8.80	37	1.12	29	82.53	36	29.73	25	7.60	32	4.97	3
DX2429	1504	21	39.47	17	10.43	15	1.13	22	84.43	9	33.10	7	8.67	4	4.50	25
DPLX 02X71R	1502	22	38.57	27	9.83	31	1.15	15	84.43	8	30.60	23	8.37	10	4.63	21
Sure-Grow 521R	1477	23	39.01	22	10.30	20	1.12	27	84.53	6	29.17	27	8.63	6	4.73	13
DES 810	1475	24	35.96	35	9.43	34	1.11	35	83.63	25	30.77	19	8.37	9	4.17	38
DES 816	1474	25	37.69	30	10.40	17	1.13	24	83.53	28	32.10	11	8.17	12	4.43	27
FiberMax FM 966LL	1470	26	39.16	20	11.93	1	1.15	16	84.40	11	38.00	1	7.77	21	4.70	17
PhytoGen PHY 410RR	1466	27	38.60	26	10.33	19	1.13	21	84.17	17	31.10	17	8.50	7	4.40	28
Paymaster PM 1199RR	1462	28	39.66	15	11.20	5	1.13	23	84.63	5	31.67	14	7.73	23	4.70	18
OAX-304BR	1444	29	37.87	29	10.13	26	1.12	30	84.07	20	32.07	12	8.73	2	4.67	20
Stoneville ST 4646B2R	1439	30	37.50	31	10.03	28	1.15	11	82.90	35	29.17	28	7.63	29	4.40	31
FiberMax FM 958LL	1430	31	38.98	24	11.17	6	1.20	2	84.27	13	34.53	6	7.57	33	4.33	34
BCG 295	1420	32	36.84	34	10.77	10	1.21	1	84.80	3	31.55	15	7.45	35	4.50	26
Sure-Grow 105	1413	33	39.41	18	10.63	12	1.15	12	84.27	14	32.23	10	8.07	14	4.90	6
Deltapine DP 449BG/RR	1393	34	38.64	25	9.17	36	1.14	20	83.47	30	32.60	8	7.63	27	4.80	11
Stoneville ST 3990BR	1389	35	37.02	33	11.67	2	1.11	31	83.60	26	28.67	35	7.63	31	4.20	37
Deltapine DP 436RR	1367	36	34.62	37	10.20	23	1.15	10	83.43	31	28.83	32	7.73	24	4.70	19
OAX-302BR	1345	37	33.59	38	11.13	7	1.15	13	83.80	22	28.10	38	7.97	17	4.83	8
Deltapine DP 451B/RR	1338	38	34.90	36	10.43	14	1.16	7	84.37	12	28.70	33	7.70	25	4.97	2

Mean	1521	38.92	10.33	1.14	83.90	31.19	7.96	4.63
LSD (.10)	120	1.02	0.64	0.02	0.89	1.67	0.43	0.31
CV(%)	8.29	1.92	4.56	1.39	0.78	3.91	3.92	4.83
R-SQUARE	0.54	0.91	0.79	0.82	0.61	0.88	0.77	0.64
REPS	6	3	3	3	3	3	3	3

Shaded values not significantly different from highest value.

Table 10. Rolling Fork, MS location of the Delta Region Early-Maturity Test in the 2003 Mississippi Cotton Variety Trial grown on a Commerce Very Fine Sandy Loam Soil.

NAME	Lint Yield		Lint Percent		Seed Index		Length (UHM)		Uniformity Index		Strength (HVI)		Elongation		Micronaire	
	lb/A	Rank	%	Rank	g	Rank	in	Rank	%	Rank	g/tex	Rank	EL	Rank	MIC	Rank
OAX-303	1423	1	40.46	1	10.13	34	1.16	19	85.33	12	28.67	26	8.03	30	4.93	3
OAX-300BR	1351	2	37.20	14	10.73	24	1.05	38	83.97	36	27.77	34	8.83	6	4.43	29
Deltapine DP 434RR	1321	3	38.44	6	10.90	20	1.19	4	85.60	6	26.87	36	8.17	25	4.13	36
Stoneville ST 474	1295	4	37.35	11	11.57	8	1.14	27	84.87	21	29.60	23	8.30	20	4.53	24
Deltapine DP 432RR	1260	5	38.70	5	9.90	36	1.13	30	84.57	28	30.30	16	8.87	4	5.07	2
BCG 28R	1256	6	39.52	2	9.97	35	1.18	9	84.60	25	28.33	30	7.77	32	5.10	1
Stoneville ST 4892BR	1250	7	37.53	9	11.07	18	1.13	31	84.30	32	29.90	20	8.57	12	4.63	18
FiberMax FM 960BR	1248	8	36.71	20	11.87	4	1.16	15	84.97	20	34.60	2	7.57	37	4.57	22
Deltapine DP 444BG/RR	1229	9	37.99	7	10.50	31	1.15	22	85.23	14	29.93	19	8.23	24	4.40	30
FiberMax FM 819RR†	1227	10	39.50	3	9.70	38	1.18	8	85.80	4	31.03	11	8.03	29	4.33	32
DX2429	1226	11	36.63	22	11.27	11	1.16	14	85.37	9	32.53	5	9.07	1	4.83	8
DPLX 02X71R	1219	12	37.31	12	10.87	21	1.15	25	84.57	27	29.60	24	8.67	10	4.87	6
Sure-Grow SG 215BG/RR	1211	13	36.50	24	10.60	30	1.11	36	84.17	33	27.57	35	8.57	13	4.70	16
Phytogen PSC 355	1211	14	36.80	18	11.57	7	1.17	12	85.10	17	31.63	10	9.03	2	4.87	5
FiberMax FM 958	1210	15	38.77	4	11.60	5	1.21	2	85.57	7	31.87	8	7.40	38	4.73	14
DES 810	1203	16	35.22	32	10.70	26	1.11	35	84.03	34	28.43	29	8.90	3	4.57	20
Stoneville ST 4563B2	1199	17	36.76	19	10.83	22	1.19	6	84.53	29	28.67	27	7.73	33	4.77	11
Phytogen PHY 410RR	1181	18	35.65	30	11.60	6	1.17	11	85.63	5	29.73	22	8.70	9	4.53	23
Paymaster PM 1218BG/RR	1181	19	37.49	10	11.90	3	1.12	34	84.70	24	28.13	33	8.10	26	4.90	4
FiberMax FM966	1169	20	37.73	8	12.23	2	1.18	7	86.30	1	35.67	1	7.57	36	4.67	17
DPLX 00W12	1164	21	37.00	15	11.13	16	1.19	5	86.17	2	30.57	15	8.80	7	4.77	10
Sure-Grow 105	1163	22	36.52	23	10.50	32	1.16	18	85.37	10	30.83	12	8.50	14	4.80	9
Stoneville BXN 49B	1163	23	36.30	27	10.63	28	1.17	10	85.20	15	28.47	28	8.23	22	4.50	27
Stoneville ST 4646B2R	1162	24	36.32	26	10.80	23	1.15	21	83.43	37	30.20	18	8.23	23	4.60	19
Stoneville ST 4793R	1158	25	37.27	13	10.40	33	1.13	32	84.80	23	30.23	17	8.50	15	4.50	26
FiberMax FM 958B	1150	26	36.87	17	11.03	19	1.19	3	85.43	8	33.97	3	7.70	34	4.30	33
Deltapine DP 451B/RR	1135	27	33.80	35	11.23	13	1.16	16	85.20	16	29.87	21	8.40	17	4.87	7
DES 816	1096	28	36.36	25	11.53	9	1.15	23	84.43	31	30.73	13	8.63	11	4.70	15
OAX-304BR	1095	29	34.67	33	9.90	37	1.14	29	85.07	19	30.70	14	8.23	21	4.27	34
Paymaster PM 1199RR	1074	30	36.89	16	10.70	25	1.15	24	85.30	13	32.03	7	8.37	18	4.73	13
FiberMax FM 989R‡	1065	31	36.69	21	10.63	27	1.16	17	84.57	26	33.77	4	7.70	35	4.17	35
Deltapine DP 436RR	1065	32	33.08	37	11.17	15	1.15	20	84.80	22	26.10	38	8.37	19	4.57	21
Sure-Grow SG 747	1054	33	36.27	28	11.27	12	1.17	13	85.33	11	28.87	25	8.80	8	4.73	12
OAX-302BR	1043	34	32.00	38	11.10	17	1.14	28	84.00	35	26.40	37	8.10	27	4.33	31
Sure-Grow 521R	1033	35	35.43	31	11.53	10	1.13	33	85.10	18	28.30	31	8.87	5	4.47	28
Deltapine DP 449BG/RR	1021	36	35.76	29	10.63	29	1.15	26	84.47	30	32.23	6	8.03	28	4.53	25
BCG 295	1014	37	34.61	34	11.23	14	1.22	1	85.80	3	31.67	9	7.77	31	4.10	37
Stoneville ST 3990BR	851	38	33.73	36	12.77	1	1.11	37	83.40	38	28.20	32	8.43	16	4.07	38

Mean	1168	36.63	10.99	1.15	84.92	30.10	8.31	4.59
LSD (.10)	99	1.01	1.10	0.02	0.91	2.01	0.35	0.30
CV(%)	8.77	2.02	7.33	1.47	0.79	4.92	3.12	4.74
R-SQUARE	0.64	0.90	0.53	0.84	0.61	0.78	0.82	0.69
REPS	6	3	3	3	3	3	3	3

Shaded values not significantly different from highest value.

† - FiberMax FM 989R substituted for FiberMax FM 958LL at this location only.

‡ - FiberMax FM 819RR substituted for FiberMax FM 966LL at this location only.

Planted: April 28, 2003

Harvested: October 16, 2003

Table 11. Clarksdale, MS location of the Delta Region Early-Maturity Test in the 2003 Mississippi Cotton Variety Trial grown on a Dubbs Soil.

CAUTION: Due to an accidental mid-season application of glyphosate, yield is shown only for entries with glyphosate tolerance and should be considered in the interpretation of results. Results for this location are not included in the analysis over locations.

NAME	Lint Yield		Lint Percent		Seed Index		Length (UHM)		Uniformity Index		Strength (HVI)		Elongation		Micronaire	
	lb/A	Rank	%	Rank	g	Rank	in	Rank	%	Rank	g/tex	Rank	EL	Rank	MIC	Rank
OAX-300BR	1836	1	37.02	8	10.80	8	1.08	21	83.50	15	25.07	18	8.43	4	3.80	14
BCG 28R	1823	2	38.23	2	10.03	15	1.16	3	84.70	4	26.77	11	7.83	16	4.70	1
Stoneville ST 4892BR	1799	3	37.82	3	10.53	10	1.13	11	83.47	16	28.73	2	8.23	8	4.23	3
FiberMax FM 960BR	1765	4	36.47	11	11.53	1	1.16	5	83.93	8	32.63	1	7.83	18	4.13	7
Deltapine DP 44BG/RR	1753	5	37.56	6	10.30	13	1.16	2	84.70	3	26.10	14	7.90	15	3.47	19
PhytoGen PHY 410RR	1752	6	37.73	4	11.03	5	1.15	6	84.93	1	28.50	5	8.93	1	4.43	2
Stoneville ST 4793R	1740	7	38.66	1	10.87	7	1.13	13	83.83	10	28.53	4	8.30	7	4.20	4
Deltapine DP 432RR	1710	8	36.83	10	9.70	17	1.13	12	84.17	7	26.73	12	8.40	6	3.90	11
Sure-Grow SG 215BG/RR	1648	9	36.13	14	9.40	19	1.08	20	82.83	21	24.10	21	8.17	10	3.77	16
DPLX 02X71R	1642	10	37.14	7	8.90	21	1.12	14	83.90	9	27.53	8	8.17	9	4.13	6
OAX-302BR	1619	11	33.07	19	10.50	11	1.14	9	83.80	11	24.20	20	7.97	14	3.93	10
Stoneville ST 4646B2R	1617	12	36.35	13	9.57	18	1.14	7	83.60	14	26.00	15	7.80	19	3.47	20
Stoneville ST 3990BR	1604	13	34.78	18	11.20	4	1.11	19	82.93	20	26.83	10	8.03	13	3.50	18
Paymaster PM 1218BG/RR	1569	14	36.85	9	11.40	2	1.11	18	84.37	6	25.87	16	8.13	11	4.03	8
OAX-304BR	1556	15	35.01	17	10.10	14	1.11	16	83.20	17	27.67	7	8.90	2	3.77	15
Deltapine DP 451B/RR	1538	16	32.94	20	10.63	9	1.14	10	83.17	18	26.17	13	7.77	20	4.03	9
Deltapine DP 434RR	1507	17	37.64	5	10.33	12	1.20	1	84.83	2	24.27	19	7.83	17	3.37	21
Deltapine DP 436RR	1501	18	32.34	21	9.73	16	1.16	4	84.40	5	25.87	17	8.57	3	3.83	13
Sure-Grow 521R	1479	19	35.59	15	11.33	3	1.12	15	83.67	13	27.20	9	8.40	5	3.73	17
Paymaster PM 1199RR	1464	20	36.38	12	10.97	6	1.14	8	83.73	12	28.70	3	8.03	12	4.17	5
Deltapine DP 449BG/RR	1428	21	35.07	16	9.00	20	1.11	17	82.97	19	28.17	6	7.43	21	3.90	12

Mean	1634		36.17		10.37		1.13		83.84		26.93		8.15		3.93	
LSD (.10)	170		1.17		1.30		0.02		1.12		1.16		0.37		0.33	
CV(%)	10.76		2.36		9.31		1.42		0.93		4.28		3.42		5.46	
R-SQUARE	0.51		0.87		0.52		0.83		0.53		0.82		0.73		0.78	
REPS	6		3		3		3		3		3		3		3	

Shaded values not significantly different from highest value.

Planted: April 30, 2003

Harvested: October 21, 2003

Table 12. Three-Year (2001-2003) Lint Yield Averages over locations in the Delta Region Mid-Maturity Test in the Mississippi Cotton Variety Trials.

NAME	3-yr Mean		2003		2002		2001	
	lb/A	Rank	lb/A	Rank	lb/A	Rank	lb/A	Rank
Stoneville ST 5599BR	1280	1	1470	1	1341	1	1029	10
Sure-Grow SG 747	1142	2	1135	12	1199	4	1092	8
Deltapine DP 491	1120	3	1194	8	1058	12	1107	6
Deltapine DP 448B	1053	4	1093	18	1099	9	967	17
Deltapine DP 458B/RR	1000	5	1004	22	998	19	998	15

Table 13. Three-Year (2001-2003) Lint Yield and Fiber Quality Averages over locations in the Delta Region Mid-Maturity Test in the Mississippi Cotton Variety Trials.

NAME	Lint Yield		Lint Percent		Length (UHM)		Uniformity Index		Strength (HVI)		Elongation		Micronaire	
	lb/A	Rank	%	Rank	in	Rank	%	Rank	g/tex	Rank	EL	Rank	MIC	Rank
Stoneville ST 5599BR	1280	1	39.21	3	1.14	2	83.79	3	31.25	2	7.89	3	4.76	2
Sure-Grow SG 747	1142	2	38.85	2	1.12	5	84.14	2	28.09	5	8.44	1	4.97	1
Deltapine DP 491	1120	3	41.03	1	1.21	1	84.51	1	31.86	1	7.73	4	4.63	4
Deltapine DP 448B	1053	4	36.79	4	1.12	3	83.55	4	28.46	4	7.66	5	4.44	5
Deltapine DP 458B/RR	1000	5	37.73	5	1.12	4	83.47	5	30.50	3	8.04	2	4.73	3

Table 14. Two-Year (2002-2003) Lint Yield Averages over locations in the Delta Region Mid-Maturity Test in the Mississippi Cotton Variety Trials.

NAME	2-yr Mean		2003		2002	
	lb/A	Rank	lb/A	Rank	lb/A	Rank
Stoneville ST 5599BR	1406	1	1470	1	1341	1
Deltapine DP 555BG/RR	1224	2	1309	4	1139	5
Sure-Grow SG 747	1167	3	1135	12	1199	4
Stoneville ST 5303R	1127	4	1142	11	1113	7
Deltapine DP 491	1126	5	1194	8	1058	12
Deltapine DP 448B	1096	6	1093	18	1099	9
Fibermax FM 989BR	1091	7	1121	14	1061	11
BCG 24R	1077	8	1124	13	1030	15
Deltapine DP 458B/RR	1001	9	1004	22	998	19
Deltapine DP 5415RR	985	10	1045	20	925	23

Table 15. Two-Year (2002-2003) Lint Yield and Fiber Quality Averages over locations in the Delta Region Mid-Maturity Test in the Mississippi Cotton Variety Trials.

NAME	Lint Yield		Lint Percent		Seed Index		Length (UHM)		Uniformity Index		Strength (HVI)		Elongation		Micronaire	
	lb/A	Rank	%	Rank	g	Rank	in	Rank	%	Rank	g/tex	Rank	EL	Rank	MIC	Rank
Stoneville ST 5599BR	1406	1	39.07	4	10.84	1	1.14	3	83.64	7	30.96	4	7.91	7	4.71	4
Deltapine DP 555BG/RR	1224	2	41.65	1	8.51	10	1.13	4	83.10	10	29.52	8	7.35	10	4.58	7
Sure-Grow SG 747	1167	3	39.25	3	9.98	4	1.12	6	84.39	3	28.01	10	8.37	2	4.96	1
Stoneville ST 5303R	1127	4	37.60	8	10.04	3	1.10	10	84.56	1	33.35	1	8.27	4	4.67	5
Deltapine DP 491	1126	5	40.76	2	9.74	5	1.21	1	84.47	2	31.79	3	7.72	8	4.62	6
Deltapine DP 448B	1096	6	36.97	10	9.09	6	1.12	5	83.57	9	28.29	9	7.61	9	4.40	10
Fibermax FM 989BR	1091	7	37.07	9	10.74	2	1.14	2	84.05	4	32.43	2	7.93	6	4.44	9
BCG 24R	1077	8	38.35	6	8.86	7	1.11	9	83.63	8	29.55	7	8.36	3	4.52	8
Deltapine DP 458B/RR	1001	9	37.96	7	8.71	8	1.12	8	83.78	6	30.60	5	8.03	5	4.75	3
Deltapine DP 5415RR	985	10	38.96	5	8.54	9	1.12	7	84.00	5	29.64	6	8.46	1	4.81	2

Table 16. Delta Region Mid-Maturity Test Average† Yields and Fiber Quality Properties Across Locations, 2003 Mississippi Cotton Variety Trials.

NAME	Lint Yield		Lint Percent		Seed Index		Length (UHM)		Uniformity Index		Strength (HVI)		Elongation		Micronaire	
	lb/A	Rank	%	Rank	g	Rank	in	Rank	%	Rank	g/tex	Rank	EL	Rank	MIC	Rank
Stoneville ST 5599BR	1470	1	39.97	9	10.90	2	1.13	13	83.38	23	31.19	15	8.02	15	4.78	9
Stoneville ST 5242BR	1443	2	40.55	5	11.10	1	1.11	22	83.92	14	28.37	27	8.06	13	4.45	21
Deltapine DP 493	1318	3	43.17	1	8.86	26	1.13	12	83.51	21	31.44	13	7.67	23	5.01	1
Deltapine DP 555BG/RR	1309	4	42.27	2	8.96	23	1.13	15	82.63	27	29.54	23	7.39	27	4.58	17
Deltapine DP 488BG/RR	1246	5	40.65	4	10.03	7	1.20	2	84.53	3	30.80	17	7.96	16	4.73	11
OAX-301R	1215	6	38.08	22	9.23	21	1.10	26	84.15	9	29.18	24	8.64	2	4.76	10
BCG 28R	1209	7	39.43	11	9.27	19	1.13	14	83.64	18	30.00	20	7.90	20	4.88	5
Deltapine DP 491	1194	8	41.76	3	9.80	11	1.19	3	84.04	10	32.77	7	7.88	21	4.69	14
Deltapine DP 494RR	1178	9	40.45	6	10.01	8	1.17	4	84.03	11	32.83	6	8.26	9	4.81	7
FiberMax FM 800BR	1158	10	38.74	14	10.53	4	1.21	1	85.58	1	33.16	5	8.02	14	3.98	27
Stoneville ST 5303R	1142	11	38.62	15	9.84	10	1.10	27	84.38	4	33.61	4	8.33	7	4.72	12
Sure-Grow SG 747	1135	12	40.10	7	9.96	9	1.12	16	84.17	8	28.87	26	8.41	5	4.96	2
BCG 24R	1124	13	38.84	13	8.93	25	1.11	23	83.63	19	29.68	22	8.38	6	4.43	22
FiberMax FM 989BR	1121	14	37.86	23	10.59	3	1.14	7	83.88	15	32.71	8	7.94	17	4.43	23
Deltapine DP 449BG/RR	1102	15	38.13	20	9.26	20	1.12	18	83.62	20	31.89	12	7.92	19	4.63	15
DPLX 02X25R	1099	16	40.04	8	8.99	22	1.14	10	84.58	2	32.65	9	8.53	3	4.95	3
Stoneville ST 5222B2	1096	17	36.65	26	9.67	14	1.12	17	84.25	6	34.55	2	8.28	8	4.83	6
Deltapine DP 448B	1093	18	38.30	18	9.28	18	1.12	20	83.36	24	28.94	25	7.65	24	4.52	20
FiberMax FM 991BR	1057	19	38.17	19	9.31	17	1.14	9	84.27	5	34.85	1	8.20	10	4.71	13
Deltapine DP 5415RR	1045	20	39.84	10	8.78	27	1.12	19	83.73	17	30.79	18	8.68	1	4.88	4
CS35	1016	21	38.84	12	9.73	13	1.14	11	83.16	25	30.69	19	7.73	22	4.12	25
Deltapine DP 458B/RR	1004	22	38.59	16	8.96	24	1.12	21	83.46	22	31.08	16	7.93	18	4.80	8
CS32	969	23	37.13	24	10.05	6	1.11	24	83.12	26	29.72	21	7.53	26	4.53	19
CS33	922	24	35.27	27	9.73	12	1.16	6	83.85	16	32.28	10	7.56	25	4.08	26
CS31	897	25	38.46	17	9.65	15	1.10	25	83.98	13	31.27	14	8.42	4	4.58	18
CS36	897	26	36.90	25	10.09	5	1.16	5	84.03	12	31.91	11	8.08	12	4.62	16
CS34	868	27	38.10	21	9.55	16	1.14	8	84.19	7	33.70	3	8.12	11	4.41	24

Mean	1123		39.07		9.67		1.14		83.89		31.42		8.05		4.62	
LSD (.10)	62		0.69		0.69		0.01		0.47		0.87		0.19		0.15	
CV(%)	11.53		2.60		10.53		1.58		0.84		4.13		3.58		4.73	
R-SQUARE	0.89		0.90		0.61		0.90		0.82		0.82		0.80		0.76	
REPS	4		4		4		4		4		4		4		4	

Shaded values not significantly different from highest value.

† Least squared means

Table 17. Lint Yields (Mean[†]) in the Delta Region Mid-Maturity Test, 2003 Mississippi Cotton Variety Trials.

NAME	Tunica		Tribbett		Stoneville		Rolling Fork		Delta	
	lb/A	Rank	lb/A	Rank	lb/A	Rank	lb/A	Rank	lb/A	Rank
Stoneville ST 5599BR	1075	2	1241	1	2001	1	1565	2	1470	1
Stoneville ST 5242BR	1208	1	1216	2	1873	2	1474	4	1443	2
Deltapine DP 493	826	14	1004	8	1806	3	1531	3	1318	3
Deltapine DP 555BG/RR	780	19	1105	3	1769	4	1581	1	1309	4
Deltapine DP 488BG/RR	890	8	1038	4	1677	6	1380	5	1246	5
OAX-301 R	790	17	953	11	1677	5	1369	7	1215	6
BCG 28R	912	5	1037	5	1543	12	1296	11	1209	7
Deltapine DP 491	901	7	909	16	1594	8	1373	6	1194	8
Deltapine DP 494RR	875	9	922	14	1616	7	1298	9	1178	9
FiberMax FM 800BR	927	3	938	12	1468	15	1297	10	1158	10
Stoneville ST 5303R	806	16	870	21	1588	9	1302	8	1142	11
Sure-grow SG 747	863	13	963	10	1550	11	1164	17	1135	12
BCG 24R	787	18	1004	7	1462	16	1245	13	1124	13
FiberMax FM 989BR	864	12	968	9	1427	18	1225	16	1121	14
Deltapine DP 449BG/RR	869	11	781	26	1469	14	1237	15	1102	15
DPLX 02X25R	870	10	826	23	1445	17	1253	12	1099	16
Stoneville ST 5222B2	915	4	900	18	1297	23	1240	14	1096	17
Deltapine DP 448B	911	6	921	15	1492	13	1050	22	1093	18
FiberMax FM 991BR	809	15	905	17	1411	20	1063	20	1057	19
Deltapine DP 5415RR	664	23	875	20	1566	10	1074	19	1045	20
CS35	663	24	1008	6	1334	21	1058	21	1016	21
Deltapine DP 458B/RR	749	20	732	27	1417	19	1118	18	1004	22
CS32	667	22	927	13	1244	25	1038	23	969	23
CS33	660	25	817	25	1267	24	943	24	922	24
CS31	567	27	886	19	1330	22	806	26	897	25
CS36	730	21	821	24	1203	27	833	25	897	26
CS34	589	26	867	22	1241	26	777	27	868	27

Mean	821	942.00	1510	1207	1123
LSD (.10)	129	126.00	121	123	62
CV(%)	16.21	13.75	8.36	10.68	11.53
R-SQUARE	0.69	0.52	0.76	0.79	0.89
REPS	6	6	6	6	24

Shaded values not significantly different from highest value.

[†]Least squared means.

Table 18. Tunica, MS location of the Delta Region Mid-Maturity Test in the 2003 Mississippi Cotton Variety Trial grown on a Sandy Loam Soil.

NAME	Lint Yield		Lint Percent		Seed Index		Length (UHM)		Uniformity Index		Strength (HVI)		Elongation		Micronaire	
	lb/A	Rank	%	Rank	g	Rank	in	Rank	%	Rank	g/tex	Rank	EL	Rank	MIC	Rank
Stoneville ST 5242BR	1208	1	39.66	6	10.87	1	1.11	15	83.57	20	29.13	27	8.23	19	4.70	10
Stoneville ST 5599BR	1075	2	39.05	10	10.60	2	1.11	16	82.60	27	33.20	9	8.33	15	4.97	4
FiberMax FiberMax FM 800BR	927	3	39.75	5	10.23	8	1.19	1	85.93	1	35.53	3	8.80	4	4.53	17
Stoneville ST 5222B2	915	4	35.95	26	9.77	20	1.13	9	84.73	3	35.37	4	8.43	12	4.60	15
BCG 28R	912	5	38.34	14	9.80	19	1.12	12	83.27	23	31.17	22	8.30	17	5.13	1
Deltapine DP 448B	911	6	38.05	17	9.03	24	1.10	25	83.03	24	30.47	26	8.03	23	4.47	20
Deltapine DP 491	901	7	40.18	2	10.47	4	1.19	3	84.23	5	32.97	12	8.17	20	4.70	11
Deltapine DP 488BG/RR	890	8	39.41	7	10.53	3	1.19	2	83.90	14	31.87	18	8.03	22	4.80	9
Deltapine DP 494RR	875	9	39.21	9	10.10	9	1.16	5	85.00	2	33.23	8	8.53	10	4.87	6
DPLX 02X25R	870	10	39.98	4	9.07	22	1.10	24	83.70	19	34.60	6	9.13	1	5.03	3
Deltapine DP 449BG/RR	869	11	37.28	21	9.83	18	1.11	14	84.07	9	32.23	16	8.03	21	4.53	18
FiberMax FM 989BR	864	12	37.03	22	10.30	6	1.14	8	83.97	12	34.30	7	8.37	13	4.47	19
Sure-Grow SG 747	863	13	38.85	11	10.00	11	1.11	17	83.77	17	31.67	19	8.87	3	4.90	5
Deltapine DP 493	826	14	41.40	1	9.87	15	1.13	11	83.90	15	32.97	11	7.97	25	5.13	2
FiberMax FM 991BR	809	15	36.79	24	9.93	14	1.15	6	84.27	4	35.73	2	8.67	8	4.37	23
Stoneville ST 5303R	806	16	38.27	16	9.93	13	1.10	23	83.87	16	36.17	1	8.70	5	4.40	21
OAX-301R	790	17	36.80	23	10.27	7	1.10	21	84.00	11	30.53	24	8.70	7	4.63	12
BCG 24R	787	18	38.32	15	9.03	23	1.10	22	84.03	10	31.10	23	8.57	9	4.30	24
Deltapine DP 555BG/RR	780	19	40.14	3	8.80	25	1.11	19	83.43	22	31.53	20	8.23	18	4.83	7
Deltapine DP 458B/RR	749	20	39.40	8	8.37	27	1.07	27	83.00	25	32.43	13	8.30	16	4.80	8
CS36	730	21	37.50	19	9.87	16	1.15	7	83.70	18	32.40	14	8.47	11	4.60	14
CS32	667	22	36.56	25	9.87	17	1.11	18	83.50	21	30.50	25	7.63	27	4.40	22
Deltapine DP 5415RR	664	23	38.69	12	8.47	26	1.11	20	84.07	6	31.97	17	8.97	2	4.53	16
CS35	663	24	38.55	13	9.43	21	1.12	13	82.67	26	31.27	21	7.97	24	4.10	26
CS33	660	25	34.66	27	10.00	12	1.17	4	84.07	8	32.97	10	7.70	26	3.97	27
CS34	589	26	37.93	18	10.03	10	1.13	10	83.93	13	35.27	5	8.37	14	4.27	25
CS31	567	27	37.47	20	10.47	5	1.08	26	84.07	7	32.30	15	8.70	6	4.60	13

Mean	821	38.34	9.81	1.12	83.86	32.70	8.38	4.62
LSD (.10)	129	1.49	1.09	0.03	0.96	2.01	0.46	0.34
CV(%)	16.21	2.85	8.16	1.68	0.84	4.49	4.01	5.36
R-SQUARE	0.69	0.77	0.55	0.85	0.65	0.71	0.66	0.69
REPS	6	3	3	3	3	3	3	3

Shaded values not significantly different from highest value.

Planted: May 27, 2003

Harvested: October 23, 2003

Table 19. Tribbett, MS location of the Delta Region Mid-Maturity Test in the 2003 Mississippi Cotton Variety Trial grown on a Forestdale Silty Clay Loam Soil.

NAME	Lint Yield		Lint Percent		Seed Index		Length (UHM)		Uniformity Index		Strength (HVI)		Elongation		Micronaire	
	lb/A	Rank	%	Rank	g	Rank	in	Rank	%	Rank	g/tex	Rank	EL	Rank	MIC	Rank
Stoneville ST 5599BR	1241	1	42.11	7	10.50	1	1.10	10	82.67	10	28.97	20	7.60	16	4.93	6
Stoneville ST 5242BR	1216	2	41.77	8	9.97	3	1.07	23	82.53	13	26.97	26	7.57	17	4.23	26
Deltapine DP 555BG/RR	1105	3	44.99	1	8.17	23	1.07	21	80.57	27	27.87	24	6.87	27	4.57	21
Deltapine DP 488BG/RR	1038	4	42.60	6	9.13	13	1.15	2	82.27	20	28.10	23	7.47	20	4.70	16
BCG 28R	1037	5	41.63	10	8.80	18	1.09	14	82.37	19	28.13	22	7.43	22	4.83	13
CS35	1008	6	40.65	14	9.57	6	1.08	16	82.03	23	29.33	18	7.37	23	4.27	25
BCG 24R	1004	7	40.60	15	8.83	17	1.08	17	82.60	11	29.47	17	8.23	3	4.50	22
Deltapine DP 493	1004	8	44.52	2	7.87	27	1.10	11	82.27	21	30.13	15	7.43	21	4.97	4
FiberMax FM 989BR	968	9	40.90	11	10.30	2	1.11	7	82.80	9	30.73	12	7.60	15	4.47	23
Sure-Grow SG 747	963	10	43.36	4	9.00	16	1.09	13	82.43	16	27.07	25	7.80	10	5.03	1
OAX-301R	953	11	40.74	13	9.37	7	1.06	26	83.70	4	28.37	21	8.63	1	4.97	3
FiberMax FM 800BR	938	12	39.55	21	9.80	4	1.20	1	84.10	1	31.43	7	7.60	14	3.77	27
CS32	927	13	38.77	25	9.07	15	1.06	25	81.30	26	29.07	19	7.30	25	4.63	20
Deltapine DP 49RR	922	14	43.19	5	9.17	12	1.12	6	82.50	14	31.20	8	7.90	8	4.93	8
Deltapine DP 448B	921	15	39.85	19	8.30	22	1.07	22	81.73	24	26.97	27	7.37	24	4.70	17
Deltapine DP 491	909	16	43.76	3	8.43	21	1.13	5	81.57	25	31.07	10	7.50	18	4.83	12
FiberMax FM 991BR	905	17	40.40	17	8.17	24	1.09	15	83.27	6	32.37	2	7.60	13	4.87	10
Stoneville ST 5222B2	900	18	39.13	24	9.23	10	1.08	19	82.83	8	33.67	1	7.83	9	4.90	9
CS31	886	19	40.59	16	9.07	14	1.06	24	82.47	15	30.50	13	8.17	4	4.77	14
Deltapine DP 5415RR	875	20	41.73	9	8.47	20	1.09	12	82.53	12	30.40	14	8.43	2	4.93	7
Stoneville ST 5303R	870	21	40.84	12	9.33	8	1.05	27	83.30	5	32.33	3	7.97	6	5.00	2
CS34	867	22	40.00	18	9.67	5	1.11	8	82.90	7	32.30	4	7.77	11	4.63	19
DPLX 02X25R	826	23	39.35	22	8.50	19	1.11	9	83.70	3	30.90	11	8.13	5	4.93	5
CS36	821	24	38.67	26	9.20	11	1.14	3	83.73	2	31.57	6	7.70	12	4.83	11
CS33	817	25	36.77	27	9.27	9	1.13	4	82.40	17	31.13	9	7.23	26	4.30	24
Deltapine DP 449BG/RR	781	26	39.20	23	8.03	25	1.08	18	82.10	22	32.07	5	7.90	7	4.67	18
Deltapine DP 458B/RR	732	27	39.66	20	7.93	26	1.08	20	82.40	18	30.00	16	7.50	19	4.77	15

Mean	942	40.94	9.00	1.10	82.56	30.08	7.70	4.70
LSD (.10)	126	1.55	0.89	0.02	0.96	1.72	0.37	0.25
CV(%)	13.75	2.76	7.20	1.64	0.85	4.18	3.47	3.89
R-SQUARE	0.52	0.83	0.68	0.83	0.65	0.78	0.78	0.83
REPS	6	3	3	3	3	3	3	3

Shaded values not significantly different from highest value.

Planted: April 29, 2003

Harvested: September 29, 2003

Table 20. Stoneville, MS location of the Delta Region Mid-Maturity Test in the 2003 Mississippi Cotton Variety Trial grown on a Bosket Very Fine Sandy Loam Soil.

NAME	Lint Yield		Lint Percent		Seed Index		Length (UHM)		Uniformity Index		Strength (HVI)		Elongation		Micronaire	
	Ib/A	Rank	%	Rank	g	Rank	in	Rank	%	Rank	g/tex	Rank	EL	Rank	MIC	Rank
Stoneville ST 5599BR	2001	1	40.49	10	11.03	2	1.14	15	83.07	25	32.47	12	8.10	11	4.67	12
Stoneville ST 5242BR	1873	2	41.74	4	11.47	1	1.11	27	83.73	17	29.57	25	8.23	8	4.33	24
Deltapine DP 493	1806	3	44.23	1	8.00	27	1.13	21	83.07	26	32.20	13	7.63	22	5.03	2
Deltapine DP 555BG/RR	1769	4	43.45	2	8.03	26	1.13	20	82.40	27	29.77	23	7.07	27	4.50	20
OAX-301R	1677	5	38.86	18	10.07	9	1.11	26	84.10	11	30.80	19	8.67	1	4.80	7
Deltapine DP 488BG/RR	1677	6	41.56	5	10.10	8	1.22	1	85.03	2	31.90	16	8.30	6	4.73	10
Deltapine DP 494RR	1616	7	41.50	7	9.40	14	1.18	4	83.17	22	33.87	5	8.10	10	4.63	15
Deltapine DP 491	1594	8	43.03	3	9.03	18	1.20	3	83.87	14	33.00	10	7.57	23	4.67	13
Stoneville ST 5303R	1588	9	39.21	14	9.77	11	1.12	22	84.83	4	33.63	6	8.30	5	4.90	4
Deltapine DP 5415RR	1566	10	41.56	6	8.43	24	1.15	11	84.10	10	30.77	20	8.53	2	5.10	1
Sure-Grow SG 747	1550	11	41.46	8	9.53	13	1.13	16	84.43	7	28.97	27	8.47	3	4.93	3
BCG 28R	1543	12	39.80	11	8.50	23	1.12	25	83.10	24	30.63	21	7.77	19	4.63	16
Deltapine DP 448B	1492	13	38.60	21	8.73	21	1.13	17	83.17	23	29.30	26	7.37	26	4.53	19
Deltapine DP 449BG/RR	1469	14	39.75	12	8.93	19	1.14	13	83.73	16	32.70	11	7.90	16	4.70	11
FiberMax FM 800BR	1468	15	38.82	19	10.63	3	1.21	2	85.53	1	33.00	9	7.83	18	3.70	27
BCG 24R	1462	16	39.02	16	8.40	25	1.12	23	83.70	18	29.73	24	8.30	7	4.43	22
DPLX 02X25R	1445	17	41.37	9	8.70	22	1.16	7	85.03	3	32.00	14	7.97	15	4.80	8
FiberMax FM 989BR	1427	18	38.55	23	10.53	4	1.15	12	83.73	15	34.17	4	7.97	14	4.43	21
Deltapine DP 458B/RR	1417	19	38.94	17	8.73	20	1.14	14	83.57	19	31.23	18	7.67	21	4.77	9
FiberMax FM 991BR	1411	20	38.70	20	9.30	16	1.15	9	84.07	12	36.43	1	8.03	12	4.90	5
CS35	1334	21	39.14	15	9.27	17	1.15	10	83.20	21	31.27	17	7.70	20	3.97	26
CS31	1330	22	39.33	13	9.30	15	1.12	24	84.60	6	31.97	15	8.37	4	4.60	17
Stoneville ST 5222B2	1297	23	37.03	26	9.70	12	1.13	18	84.17	9	35.20	2	8.20	9	4.83	6
CS33	1267	24	36.26	27	9.77	10	1.17	6	84.00	13	33.37	8	7.43	24	4.03	25
CS32	1244	25	38.00	24	10.23	7	1.13	19	83.53	20	29.87	22	7.40	25	4.57	18
CS34	1241	26	38.59	22	10.47	5	1.16	8	84.70	5	34.47	3	7.97	13	4.43	23
CS36	1203	27	37.38	25	10.37	6	1.17	5	84.40	8	33.43	7	7.83	17	4.63	14

Mean	1510	39.87	9.50	1.15	83.93	32.06	7.95	4.60
LSD (.10)	121	1.40	0.45	0.02	0.95	1.52	0.40	0.35
CV(%)	8.36	2.57	3.50	1.54	0.83	3.46	3.68	5.49
R-SQUARE	0.76	0.86	0.92	0.81	0.64	0.82	0.73	0.72
REPS	6	3	3	3	3	3	3	3

Shaded values not significantly different from highest value.

Planted: May 8, 2003

Harvested: October 1, 2003

Table 21. Rolling Fork, MS location of the Delta Region Mid-Maturity Test in the 2003 Mississippi Cotton Variety Trial grown on a Commerce Very Fine Sandy Loam Soil.

NAME	Lint Yield		Lint Percent		Seed Index		Length (UHM)		Uniformity Index		Strength (HVI)		Elongation		Micronaire	
	lb/A	Rank	%	Rank	g	Rank	in	Rank	%	Rank	g/tex	Rank	EL	Rank	MIC	Rank
Deltapine DP 555BG/RR	1581	1	40.49	2	10.83	11	1.19	5	84.10	27	29.00	23	7.40	27	4.43	19
Stoneville ST 5599BR	1565	2	38.22	7	11.47	2	1.18	11	85.17	14	30.13	18	8.03	18	4.53	16
Deltapine DP 493	1531	3	42.53	1	9.70	23	1.18	10	84.80	18	30.47	15	7.63	26	4.90	6
Stoneville ST 5242BR	1474	4	39.04	5	12.10	1	1.17	15	85.83	7	27.80	25	8.20	15	4.53	15
Deltapine DP 488BG/RR	1380	5	39.01	6	10.37	14	1.25	1	86.90	1	31.33	11	8.03	17	4.67	10
Deltapine DP 491	1373	6	40.06	3	11.27	6	1.25	2	86.50	3	34.03	2	8.30	12	4.57	14
OAX-301R	1369	7	35.93	21	7.20	27	1.13	26	84.80	19	27.03	27	8.57	4	4.63	11
Stoneville ST 5303R	1302	8	36.17	20	10.33	15	1.12	27	85.50	9	32.30	8	8.37	11	4.57	13
Deltapine DP 494RR	1298	9	37.91	9	11.37	4	1.22	4	85.43	11	33.03	5	8.50	6	4.80	8
FiberMax FM 800BR	1297	10	36.84	13	11.43	3	1.23	3	86.77	2	32.67	7	7.83	21	3.93	27
BCG 28R	1296	11	37.95	8	9.97	17	1.19	7	85.83	6	30.07	19	8.10	16	4.90	5
DPLX 02X25R	1253	12	39.44	4	9.70	24	1.17	14	85.87	5	33.10	4	8.90	1	5.03	1
BCG 24R	1245	13	37.40	11	9.47	25	1.14	23	84.20	25	28.43	24	8.40	9	4.50	18
Stoneville ST 5222B2	1240	14	34.47	25	9.97	18	1.15	20	85.27	12	33.97	3	8.63	3	4.97	2
Deltapine DP 449BG/RR	1237	15	36.30	19	10.23	16	1.15	21	84.57	22	30.57	14	7.83	23	4.63	12
FiberMax FM 989BR	1225	16	34.97	24	11.23	7	1.17	13	85.00	15	31.63	9	7.83	22	4.37	22
Sure-Grow SG 747	1164	17	36.72	15	11.30	5	1.16	19	86.03	4	27.77	26	8.50	7	4.97	3
Deltapine DP 458B/RR	1118	18	36.37	18	10.80	12	1.17	16	84.87	17	30.63	13	8.23	14	4.87	7
Deltapine DP 5415RR	1074	19	37.40	10	9.77	22	1.14	24	84.23	24	30.03	20	8.80	2	4.93	4
FiberMax FM 991BR	1063	20	36.79	14	9.83	20	1.17	17	85.47	10	34.87	1	8.50	5	4.70	9
CS35	1058	21	37.01	12	10.63	13	1.18	8	84.73	21	30.90	12	7.90	19	4.13	25
Deltapine DP 448B	1050	22	36.71	16	11.07	8	1.18	9	85.50	8	29.03	22	7.83	24	4.37	23
CS32	1038	23	35.18	23	11.03	9	1.13	25	84.13	26	29.43	21	7.77	25	4.53	17
CS33	943	24	33.38	27	9.90	19	1.18	12	84.93	16	31.63	10	7.87	20	4.00	26
CS36	833	25	34.04	26	10.93	10	1.19	6	84.27	23	30.23	17	8.30	13	4.40	20
CS31	806	26	36.47	17	9.77	21	1.14	22	84.77	20	30.30	16	8.43	8	4.37	21
CS34	777	27	35.89	22	8.03	26	1.17	18	85.23	13	32.77	6	8.37	10	4.30	24

Mean	1207	37.14	10.36	1.17	85.21	30.86	8.19	4.58
LSD (.10)	123	1.07	2.36	0.02	0.97	1.81	0.34	0.25
CV(%)	10.68	2.11	16.65	1.47	0.83	4.30	3.05	3.94
R-SQUARE	0.79	0.91	0.39	0.85	0.65	0.81	0.79	0.80
REPS	6	3	3	3	3	3	3	3

Shaded values not significantly different from highest value.

Planted: April 28, 2003

Harvested: October 16, 2003

Table 22. Clarksdale, MS location of the Delta Region Mid-Maturity Test in the 2003 Mississippi Cotton Variety Trial grown on a Dubbs Soil.

CAUTION: Due to an accidental mid-season application of glyphosate, yield is shown only for entries with glyphosate tolerance and should be considered in the interpretation of results. Results for this location are not included in the analysis over locations.

NAME	Lint Yield		Lint Percent		Seed Index		Length (UHM)		Uniformity Index		Strength (HVI)		Elongation		Micronaire	
	Ib/A	Rank	%	Rank	g	Rank	in	Rank	%	Rank	g/tex	Rank	EL	Rank	MIC	Rank
Stoneville ST 5599BR	2056	1	36.66	6	9.83	7	1.16	4	83.57	10	31.13	7	7.90	9	4.20	6
Stoneville ST 5242BR	1970	2	37.95	3	9.97	5	1.14	10	84.63	2	27.97	15	8.37	5	4.33	4
Deltapine DP 555BG/RR	1936	3	38.97	2	8.87	15	1.14	7	83.53	11	30.00	10	7.67	14	4.47	2
Deltapine DP 494RR	1814	4	37.01	5	9.77	8	1.17	3	84.77	1	33.10	1	8.50	3	4.10	7
Deltapine DP 488BG/RR	1773	5	37.69	4	10.03	3	1.20	1	84.33	3	31.27	5	7.90	8	4.37	3
DPLX 02X25R	1631	6	39.11	1	9.17	12	1.15	6	84.07	5	32.07	4	8.50	4	4.23	5
BCG 28R	1576	7	36.52	7	10.03	4	1.15	5	83.67	7	29.33	12	7.70	13	4.53	1
FiberMax FM 800BR	1551	8	36.25	8	9.87	6	1.18	2	83.60	9	31.20	6	7.77	11	3.73	13
OAX-301R	1533	9	35.28	11	10.60	1	1.13	14	83.80	6	28.77	14	8.63	2	3.93	10
FiberMax FM 991BR	1473	10	33.38	15	9.40	10	1.14	8	82.77	14	32.83	2	7.97	7	3.77	12
Stoneville ST 5303R	1462	11	34.62	13	9.77	9	1.13	11	84.13	4	32.47	3	8.10	6	3.47	15
FiberMax FM 989BR	1399	12	33.24	16	10.57	2	1.14	9	83.67	8	29.73	11	7.90	10	3.93	11
BCG 24R	1381	13	35.28	10	8.27	16	1.08	16	81.80	16	27.23	16	7.73	12	3.37	16
Deltapine DP 5415RR	1378	14	35.99	9	9.13	13	1.13	13	83.43	13	30.97	8	8.80	1	4.03	9
Deltapine DP 449BG/RR	1320	15	33.66	14	9.07	14	1.10	15	82.33	15	30.10	9	7.47	16	3.67	14
Deltapine DP 458B/RR	1319	16	35.07	12	9.27	11	1.13	12	83.53	12	29.03	13	7.63	15	4.10	8

Mean	1613		36.04		9.60		1.14		83.60		30.45		8.03		4.01	
LSD (.10)	117		1.77		1.18		0.04		1.31		2.24		0.47		0.45	
CV(%)	7.09		3.55		8.87		2.72		1.13		5.30		4.18		8.07	
R-SQUARE	0.86		0.76		0.47		0.58		0.52		0.64		0.69		0.64	
REPS	6		3		3		3		3		3		3		3	

Shaded values not significantly different from highest value.

Planted: April 30, 2003

Harvested: October 21, 2003

Table 23. Three-Year (2001-2003) Lint Yield Averages over locations of the Hill Region Early-Maturity Test in the Mississippi Cotton Variety Trial.

NAME	3-yr Mean		2003		2002		2001	
	lb/A	Rank	lb/A	Rank	lb/A	Rank	lb/A	Rank
FiberMax FM 958BG	1194	1	1258	9	1227	2	1097	14
Sure-Grow SG 215BG/RR	1187	2	1174	18	1161	5	1227	3
FiberMax FM 958	1173	3	1297	3	1018	18	1205	4
Stoneville ST 4892BR	1172	4	1199	13	1061	11	1258	2
PhytoGen PSC 355	1139	5	1218	11	1077	7	1122	11
Paymaster PM 1218BG/RR	1130	6	1258	8	1076	8	1056	28
Sure-Grow SG 747	1096	7	1123	28	1056	12	1109	13
DES 816	1082	8	1171	19	1011	19	1065	21
Sure-Grow SG 521R	1081	9	1165	20	1021	17	1057	26
Sure-Grow SG 105	1076	10	1118	29	1052	13	1056	27
Stoneville ST 4793R	1056	11	1126	27	996	20	1047	31
Deltapine DP 436RR	1049	12	1108	31	924	30	1115	12
Deltapine DP 451B/RR	1040	13	1087	34	953	27	1080	17
DES 810	1036	14	1133	26	942	28	1034	32
Paymaster PM 1199RR	1025	15	1100	---	973	24	1001	35

Table 24. Three-Year (2001-2003) Lint Yield and Fiber Quality Averages over locations of the Hill Region Early-Maturity Test in the Mississippi Cotton Variety Trial.

NAME	Lint Yield		Lint Percent		Length (UHM)		Uniformity Index		Strength (HVI)		Elongation		Micronaire	
	lb/A	Rank	%	Rank	in	Rank	%	Rank	g/tex	Rank	EL	Rank	MIC	Rank
FiberMax FM 958BG	1194	1	40.21	5	1.13	2	84.21	8	34.28	1	8.14	14	4.32	15
Sure-Grow SG 215BG/RR	1187	2	40.12	6	1.08	15	83.75	14	28.27	15	8.77	3	4.69	8
FiberMax FM 958	1173	3	40.67	1	1.15	1	84.45	3	32.93	2	7.82	15	4.60	11
Stoneville ST 4892BR	1172	4	40.52	2	1.10	11	83.99	11	31.25	7	8.59	9	4.83	4
PhytoGen PSC 355	1139	5	39.73	9	1.12	7	84.44	4	32.16	5	9.23	1	4.84	2
Paymaster PM 1218BG/RR	1130	6	40.26	4	1.08	14	83.48	15	29.69	10	8.47	11	4.75	7
Sure-Grow SG 747	1096	7	40.03	7	1.12	8	84.39	6	28.53	14	8.75	4	4.84	1
DES 816	1082	8	38.66	12	1.12	6	83.87	12	32.36	3	8.70	6	4.64	9
Sure-Grow SG 521R	1081	9	39.02	11	1.08	13	84.04	9	29.61	11	8.79	2	4.60	10
Sure-Grow SG 105	1076	10	39.05	10	1.13	5	84.78	1	31.22	8	8.63	7	4.76	6
Stoneville ST 4793R	1056	11	40.40	3	1.09	12	83.77	13	31.19	9	8.56	10	4.84	3
Deltapine DP 436RR	1049	12	35.67	15	1.13	4	84.28	7	28.65	13	8.62	8	4.56	13
Deltapine DP 451B/RR	1040	13	36.13	14	1.13	3	84.42	5	29.04	12	8.26	13	4.56	12
DES 810	1036	14	37.06	13	1.10	10	84.03	10	32.18	4	8.72	5	4.50	14
Paymaster PM 1199RR	1025	15	39.84	8	1.11	9	84.62	2	31.52	6	8.46	12	4.77	5

Table 25. Two-Year (2002-2003) Lint Yield Averages over locations of the Hill Region Early-Maturity Test in the Mississippi Cotton Variety Trial.

NAME	Lint Yield		2003		2002	
	lb/A	Rank	lb/A	Rank	lb/A	Rank
Fibermax FM 958B	1242	1	1258	9	1227	2
Sure-grow SG 215BG/RR	1168	2	1174	18	1161	5
Paymaster PM 1218BG/RR	1167	3	1258	8	1076	8
Fibermax FM 958	1157	4	1297	3	1018	18
Phytogen PSC 355	1147	5	1218	11	1077	7
Stoneville ST 4892BR	1130	6	1199	13	1061	11
Sure-Grow SG 501BR	1115	7	1181	16	1049	15
Sure-Grow SG 521R	1093	8	1165	20	1021	17
DES 816	1091	9	1171	19	1011	19
BCG 28R	1091	10	1198	14	983	21
Sure-grow SG 747	1089	11	1123	28	1056	12
Sure-Grow SG 105	1085	12	1118	29	1052	13
Stoneville ST 4793R	1061	13	1126	27	996	20
BCG 295	1049	14	1162	21	937	29
Stoneville ST 474	1049	15	1136	24	963	25
DES 810	1037	16	1133	26	942	28
Paymaster PM 1199RR	1037	17	1100	---	973	24
Deltapine DP 451B/RR	1020	18	1087	34	953	27
Deltapine DP 436RR	1016	19	1108	31	924	30

Table 26. Two-Year (2002-2003) Lint Yield and Fiber Quality Averages over locations of the Hill Region Early-Maturity Test in the Mississippi Cotton Variety Trial.

NAME	Lint Yield		Lint Percent		Seed Index		Length (UHM)		Uniformity Index		Strength (HVI)		Elongation		Micronaire	
	lb/A	Rank	%	Rank	g	Rank	in	Rank	%	Rank	g/tex	Rank	EL	Rank	MIC	Rank
Fibermax FM 958B	1242	1	40.72	3	10.25	9	1.13	6	84.01	14	34.52	1	8.10	16	4.26	19
Suregrow SG 215BG/RR	1168	2	39.39	11	10.18	12	1.07	19	83.76	17	28.38	19	8.77	4	4.75	9
Paymaster PM 1218BG/RR	1167	3	40.59	5	10.77	1	1.08	18	83.46	19	29.96	14	8.50	13	4.80	7
Fibermax FM 958	1157	4	40.75	2	10.54	3	1.15	2	84.35	5	32.95	2	7.76	19	4.59	14
Phytogen PSC 355	1147	5	40.06	10	10.04	18	1.12	9	84.48	3	32.29	5	9.23	1	4.86	2
Stoneville ST 4892BR	1130	6	40.66	4	10.10	15	1.10	14	83.87	16	31.60	8	8.55	10	4.83	5
Sure-Grow SG 501BR	1115	7	38.71	15	10.15	13	1.09	15	84.15	11	31.50	9	8.90	2	4.78	8
Sure-Grow SG 521R	1093	8	39.22	12	10.05	17	1.08	17	84.03	13	29.76	15	8.80	3	4.59	13
DES 816	1091	9	38.85	14	10.61	2	1.12	8	84.08	12	32.76	3	8.70	7	4.68	12
BCG 28R	1091	10	40.10	8	9.67	19	1.14	3	84.16	10	30.05	13	8.07	17	4.83	6
Suregrow SG 747	1089	11	40.35	7	10.07	16	1.11	10	84.21	9	28.85	17	8.74	6	4.85	3
Sure-Grow SG 105	1085	12	39.14	13	10.46	4	1.14	4	84.78	1	31.44	11	8.64	8	4.73	11
Stoneville ST 4793R	1061	13	40.51	6	10.31	7	1.09	16	83.65	18	31.45	10	8.51	12	4.84	4
BCG 295	1049	14	38.22	16	10.28	8	1.17	1	84.37	4	31.71	7	8.03	18	4.34	18
Stoneville ST 474	1049	15	41.26	1	10.24	10	1.10	13	83.99	15	30.60	12	8.52	11	4.87	1
DES 810	1037	16	37.36	17	10.10	14	1.11	12	84.30	6	32.42	4	8.74	5	4.49	17
Paymaster PM 1199RR	1037	17	40.08	9	10.18	11	1.11	11	84.64	2	31.95	6	8.49	14	4.73	10
Deltapine DP 451B/RR	1020	18	36.21	18	10.36	6	1.13	5	84.28	7	29.26	16	8.23	15	4.56	15
Deltapine DP 436RR	1016	19	35.78	19	10.38	5	1.13	7	84.22	8	28.78	18	8.57	9	4.52	16

Table 27. Hill Region Early-Maturity Test Average[†] Yields and Fiber Properties Across Locations, 2003 Mississippi Cotton Variety Trials.

NAME	Lint Yield		Lint Percent		Seed Index		Length (UHM)		Uniformity Index		Strength (HVI)		Elongation		Micronaire	
	lb/A	Rank	%	Rank	g	Rank	in	Rank	%	Rank	g/tex	Rank	EL	Rank	MIC	Rank
OAX-303	1336	1	43.35	1	9.54	33	1.12	18	84.35	17	30.79	24	8.63	21	4.72	4
FiberMax FM 960BR	1303	2	39.35	19	10.44	7	1.12	21	84.33	18	35.62	2	8.09	32	4.18	31
FiberMax FM 958	1297	3	40.87	4	10.41	8	1.16	2	84.48	12	33.17	8	7.87	34	4.52	13
DX2429	1288	4	40.12	10	10.44	6	1.13	12	85.11	2	33.85	4	9.47	2	4.79	2
OAX-300BR	1284	5	40.08	14	10.01	27	1.05	35	83.51	33	28.78	33	8.94	10	4.38	21
FiberMax FM 966	1269	6	40.44	8	10.59	5	1.15	4	85.14	1	36.88	1	8.07	33	4.33	25
Deltapine DP 444BG/RR	1265	7	41.39	2	10.06	19	1.11	24	84.33	19	31.27	18	8.50	24	3.96	35
PM 1218BG/RR	1258	8	40.26	9	10.89	1	1.09	31	83.81	28	30.59	25	8.72	17	4.69	7
FiberMax FM 958B	1258	9	40.60	5	10.05	22	1.13	11	84.40	15	35.18	3	8.23	30	4.11	33
Stoneville ST 3990BR	1224	10	37.99	31	10.75	2	1.06	34	83.34	34	29.86	27	8.51	23	3.96	34
PhytoGen PSC 355	1218	11	39.97	15	10.04	23	1.12	19	84.64	7	33.19	7	9.55	1	4.82	1
DPLX 00W12	1212	12	40.11	11	10.03	24	1.15	3	85.03	3	32.99	9	9.33	4	4.43	18
Stoneville ST 4892BR	1199	13	40.54	6	10.08	18	1.10	26	83.75	29	32.27	13	8.71	18	4.71	6
BCG 28R	1198	14	40.09	12	9.99	28	1.14	7	84.31	20	30.89	21	8.30	28	4.67	8
DPLX 02X71R	1188	15	38.96	23	9.92	30	1.12	20	84.50	8	31.68	17	9.05	7	4.48	17
Sure-Grow SG 501BR	1181	16	38.79	24	10.03	25	1.09	32	84.23	22	32.05	15	9.06	6	4.63	10
OAX-304BR	1180	17	38.39	27	10.28	12	1.10	29	83.73	30	30.86	22	9.21	5	4.51	14
Sure-Grow SG 215BG/RR	1174	18	39.13	21	10.12	16	1.08	33	84.04	24	28.72	34	8.86	14	4.51	15
DES 816	1171	19	38.48	25	10.64	4	1.13	16	84.36	16	33.48	5	8.81	16	4.54	11
Sure-Grow 521R	1165	20	38.98	22	9.96	29	1.10	28	84.15	23	29.81	29	8.97	9	4.36	23
BCG 295	1162	21	38.11	30	10.02	26	1.18	1	84.72	6	32.63	12	8.21	31	4.23	29
Deltapine DP 434RR	1154	22	39.92	16	9.53	34	1.15	5	84.50	9	30.24	26	8.60	22	4.11	32
Stoneville ST 4563B2	1149	23	39.16	20	9.66	31	1.13	15	83.14	35	29.82	28	7.73	35	4.33	24
Stoneville ST 474	1136	24	40.99	3	10.10	17	1.10	27	83.93	27	31.09	19	8.68	19	4.73	3
PhytoGen PHY 410R	1134	25	39.36	18	10.20	14	1.13	9	84.81	5	33.24	6	9.38	3	4.50	16
DES 810	1133	26	37.26	32	10.06	20	1.11	25	84.46	13	32.96	10	8.98	8	4.42	19
Stoneville ST 4793R	1126	27	40.45	7	10.30	10	1.09	30	83.68	31	32.12	14	8.66	20	4.72	5
Sure-Grow SG 747	1123	28	40.08	13	10.16	15	1.12	17	84.48	11	29.44	31	8.91	11	4.64	9
Sure-Grow 105	1118	29	38.48	26	10.30	11	1.13	10	85.02	4	31.95	16	8.86	13	4.52	12
Deltapine DP 432RR	1115	30	39.72	17	9.26	35	1.13	14	84.41	14	31.08	20	8.89	12	4.23	30
Deltapine DP 436RR	1108	31	35.88	34	10.33	9	1.14	8	84.25	21	29.00	32	8.83	15	4.39	20
Stoneville ST 4646B2R	1107	32	38.34	29	10.05	21	1.11	23	83.57	32	30.80	23	8.40	27	4.33	26
OAX-302BR	1105	33	35.08	35	10.68	3	1.13	13	83.93	26	28.18	35	8.49	25	4.31	28
Deltapine DP 451B/RR	1087	34	35.90	33	10.27	13	1.14	6	84.49	10	29.62	30	8.45	26	4.36	22
Deltapine DP 449BG/RR	1071	35	38.36	28	9.54	32	1.12	22	83.99	25	32.93	11	8.24	29	4.31	27
FiberMax FM 958LL‡	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
FiberMax FM 966LL‡	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Paymaster PM 1199RR‡	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Mean	1180	39.35	10.13	1.12	84.28	31.84	8.67	4.41
LSD (.10)	41	0.50	0.35	0.01	0.36	0.58	0.13	0.11
CV(%)	9.29	2.56	6.94	1.68	0.85	3.66	3.08	5.08
R-SQUARE	0.82	0.84	0.59	0.83	0.67	0.88	0.85	0.80
REPS	40	22	22	22	22	22	22	22

Shaded values not significantly different from highest value.

[†]Least squared means.

[‡]FM 958LL, FM 966LL and PM1199RR were not included at the Claiborne location, and as a result, were not included in the Analysis of Variance over locations.

Table 28. Lint Yields (Mean[†]) in the Hill Region Early-Maturity Test, 2003 Mississippi Cotton Variety Trials.

NAME	Brooksville		Claiborne		Durant		Holly Springs		MSU		Nesbit		Verona		Hill Region	
	lb/A	Rank	lb/A	Rank	lb/A	Rank	lb/A	Rank	lb/A	Rank	lb/A	Rank	lb/A	Rank	lb/A	Rank
OAX-303	1283	2	1634	3	1224	7	1070	7	1146	5	1463	4	1531	2	1336	1
FiberMax FM 960BR	1237	8	1637	2	1319	3	1067	8	1074	9	1477	2	1314	15	1303	2
FiberMax FM 958	1183	17	1672	1	1245	6	1053	9	1016	13	1408	7	1500	3	1297	3
DX2429	1260	3	1512	19	1389	2	1164	1	930	25	1403	8	1356	10	1288	4
OAX-300BR	1239	6	1579	7	1222	8	989	17	1178	4	1285	23	1495	4	1284	5
FiberMax FM 966	1235	9	1593	6	1132	15	1164	2	973	20	1376	10	1408	7	1269	6
Deltapine DP 444BG/RR	1158	21	1568	10	1277	4	956	21	1101	6	1519	1	1274	20	1265	7
Paymaster PM 1218BG/RR	1224	12	1500	22	1506	1	972	18	991	16	1292	22	1322	12	1258	8
FiberMax FM 958B	1093	28	1554	13	1101	19	1123	3	1094	7	1467	3	1374	9	1258	9
Stoneville ST 3990BR	1226	11	1449	33	1154	13	947	22	1178	2	1432	5	1181	32	1224	10
PhytoGen PSC 355	1179	18	1346	36	1260	5	1078	5	857	37	1385	9	1419	6	1218	11
Deltapine DPLX 00W12	1155	22	1511	20	1043	31	1026	11	1064	10	1364	12	1320	13	1212	12
Stoneville ST 4892BR	995	35	1579	8	1100	20	962	19	1087	8	1324	16	1343	11	1199	13
BCG 28R	1104	26	1596	5	1169	11	960	20	946	24	1200	28	1407	8	1198	14
Deltapine DPLX 02X71R	1165	20	1493	24	1092	22	935	26	979	18	1342	15	1308	16	1188	15
Sure-Grow SG 501BR	1171	19	1462	30	1023	33	1012	15	1023	12	1370	11	1204	29	1181	16
OAX-304BR	1221	13	1482	26	1075	26	846	35	1061	11	1320	17	1256	21	1180	17
Sure-Grow SG 215BG/RR	1197	16	1555	12	1082	25	877	32	896	32	1314	19	1300	17	1174	18
DES 816	1200	15	1513	18	1065	27	1029	10	904	31	1236	25	1247	24	1171	19
Sure-Grow 521R	1202	14	1534	17	1062	28	931	27	992	15	1116	35	1318	14	1165	20
BCG 295	1228	10	1459	32	1098	21	1015	13	965	21	1134	34	1238	25	1162	21
Deltapine DP 434RR	1072	29	1556	11	1142	14	881	31	983	17	1318	18	1126	35	1154	22
Stoneville ST 4563B2	998	34	1492	25	985	36	860	33	1178	3	1311	20	1217	27	1149	23
Stoneville ST 474	1009	33	1465	28	1050	30	1013	14	860	36	1356	14	1197	30	1136	24
PhytoGen PHY 410R	1119	25	1539	16	1204	9	909	30	654	38	1260	24	1254	22	1134	25
DES 810	1131	23	1462	29	1118	16	1074	6	864	35	1159	31	1120	37	1133	26
Stoneville ST 4793R	1016	32	1544	15	1058	29	945	23	928	27	1207	26	1183	31	1126	27
Sure-Grow SG 747	1048	30	1497	23	1085	23	1022	12	893	33	1173	30	1141	34	1123	28
Sure-Grow 105	1045	31	1576	9	992	35	922	28	921	28	1138	33	1234	26	1118	29
Deltapine DP 432RR	952	37	1468	27	1022	34	921	29	947	23	1203	27	1293	18	1115	30
Deltapine DP 436RR	1237	7	1369	35	1084	24	837	36	930	26	1020	38	1278	19	1108	31
Stoneville ST 4646B2R	985	36	1460	31	984	37	848	34	917	29	1430	6	1124	36	1107	32
OAX-302BR	1301	1	1387	34	1025	32	789	38	996	14	1022	37	1214	28	1105	33
Deltapine DP 451B/RR	1102	27	1335	37	1105	18	812	37	906	30	1098	36	1249	23	1087	34
Deltapine DP 449BG/RR	939	38	1548	14	867	38	944	24	873	34	1148	32	1175	33	1071	35
FiberMax FM 958LL‡	1256	4	----	----	1115	17	1086	4	978	19	1190	29	1470	5	---	---
FiberMax FM 966LL‡	1241	5	----	----	1188	10	1011	16	1180	1	1302	21	1589	1	---	---
Paymaster PM 1199RR‡	1126	24	----	----	1155	12	935	25	947	22	1364	13	1072	38	---	---

Mean	1144	1514	1130	973	985	1288	1291	1180
LSD (.10)	109	43	157	42	135	65	165	41
CV(%)	9.56	3.01	14.37	4.56	14.36	5.26	10.89	9.29
R-SQUARE	0.52	0.78	0.48	0.85	0.50	0.82	0.53	0.82
REPS	6	6	6	6	6	6	4	40

Shaded values not significantly different from highest value.

[†]Least square means.

[‡]FM 958LL, FM 966LL and PM1199RR were not included at the Claiborne location, and as a result, were not included in the Analysis of Variance over locations.

Table 29. Brooksville, MS location of the Hill Region Early-Maturity Test in the 2003 Mississippi Cotton Variety Trial grown on a Brooksville Silty Clay Soil.

NAME	Lint Yield		Lint Percent		Seed Index		Length (UHM)		Uniformity Index		Strength (HVI)		Elongation		Micronaire	
	Ib/A	Rank	%	Rank	g	Rank	in	Rank	%	Rank	g/tex	Rank	EL	Rank	MIC	Rank
OAX-302BR	1301	1	35.65	38	10.23	20	1.11	16	83.13	26	27.43	37	8.57	26	4.30	30
OAX-303	1283	2	42.49	1	9.17	38	1.11	14	83.00	30	28.90	31	8.83	19	4.73	10
DX2429	1260	3	39.11	14	10.50	8	1.10	23	84.47	2	32.07	7	9.70	1	4.93	2
FiberMax FM 958LL	1256	4	39.57	11	10.43	10	1.18	1	84.00	8	32.87	4	7.83	37	4.17	34
FiberMax FM 966LL	1241	5	38.94	17	11.07	1	1.12	8	84.10	4	35.07	1	8.17	33	4.43	21
OAX-300BR	1239	6	39.87	8	10.30	16	1.04	38	82.70	35	28.63	34	8.93	14	4.53	17
Deltapine DP 436RR	1237	7	35.72	37	9.27	36	1.13	6	83.07	28	29.07	29	9.00	10	4.20	32
FiberMax FM 960BR	1237	8	38.97	16	10.27	17	1.09	27	83.37	20	32.87	5	8.10	35	4.40	26
FiberMax FM 966	1235	9	39.56	12	9.90	23	1.11	12	84.03	7	35.00	2	8.40	29	4.20	33
BCG 295	1228	10	37.43	34	10.23	19	1.16	2	83.63	15	31.73	11	8.17	34	4.63	14
Stoneville ST 3990BR	1226	11	37.74	31	10.37	13	1.08	33	82.57	36	31.07	16	8.50	27	4.07	38
Paymaster PM 1218BG/RR	1224	12	39.01	15	10.93	3	1.06	37	82.43	37	30.23	24	8.77	22	4.83	4
OAX-304BR	1221	13	38.49	24	10.53	7	1.09	26	82.87	31	30.13	25	9.40	3	4.73	8
Sure-Grow 521R	1202	14	38.87	19	10.33	14	1.09	25	83.47	17	29.27	28	8.90	16	4.47	19
DES 816	1200	15	38.26	28	10.63	5	1.09	29	83.23	23	31.40	13	8.93	12	4.80	5
Sure-Grow SG 215BG/RR	1197	16	37.64	32	9.70	32	1.08	32	83.50	16	27.37	38	8.80	21	4.40	24
FiberMax FM 958	1183	17	40.32	4	10.27	18	1.13	3	84.13	3	32.77	6	7.97	36	4.47	20
PhytoGen PSC 355	1179	18	38.54	22	10.50	9	1.11	15	84.00	9	30.97	18	9.50	2	5.10	1
Sure-Grow SG 501BR	1171	19	38.72	21	10.97	2	1.07	36	83.13	27	30.97	17	9.03	8	4.63	15
DPLX 02X71R	1165	20	38.93	18	9.73	30	1.10	22	83.47	18	29.97	26	9.40	4	4.40	23
Deltapine DP 444BG/RR	1158	21	40.30	5	10.30	15	1.10	21	83.17	25	30.87	20	8.83	18	4.07	36
DPLX 00W12	1155	22	39.67	9	9.70	31	1.12	9	83.73	13	30.57	22	9.37	5	4.73	9
DES 810	1131	23	36.08	35	10.17	21	1.07	35	83.23	24	32.07	8	9.17	7	4.67	13
Paymaster PM 1199RR	1126	24	38.39	27	10.57	6	1.10	18	83.90	10	31.33	14	8.93	13	4.60	16
PhytoGen PHY 410R	1119	25	37.54	33	9.80	27	1.12	7	84.07	6	31.17	15	9.23	6	4.67	12
BCG 28R	1104	26	38.74	20	9.57	34	1.11	11	83.43	19	30.30	23	8.43	28	4.70	11
Deltapine DP 451B/RR	1102	27	35.96	36	9.77	29	1.11	10	84.10	5	28.70	32	8.63	24	4.40	25
FiberMax FM 958B	1093	28	39.31	13	10.43	11	1.10	19	83.77	12	34.43	3	8.27	32	4.13	35
Deltapine DP 434RR	1072	29	38.51	23	9.67	33	1.09	28	83.30	22	30.90	19	9.00	9	4.33	28
Sure-Grow SG 747	1048	30	40.11	7	10.40	12	1.10	20	83.87	11	28.23	35	8.83	20	4.83	3
Sure-Grow 105	1045	31	38.40	26	10.07	22	1.13	4	84.83	1	31.87	9	8.97	11	4.43	22
Stoneville ST 4793R	1016	32	39.58	10	10.63	4	1.10	17	83.33	21	31.63	12	8.73	23	4.53	18
Stoneville ST 474	1009	33	40.18	6	9.80	26	1.09	30	82.73	34	29.83	27	8.90	15	4.77	7
Stoneville ST 4563B2	998	34	37.92	30	9.90	24	1.11	13	83.00	29	28.07	36	7.77	38	4.33	29
Stoneville ST 4892BR	995	35	40.39	3	9.87	25	1.08	34	82.87	32	30.77	21	8.87	17	4.80	6
Stoneville ST 4646B2R	985	36	38.46	25	9.77	28	1.08	31	82.40	38	29.03	30	8.30	31	4.37	27
Deltapine DP 432RR	952	37	40.49	2	9.30	35	1.13	5	83.67	14	28.67	33	8.63	25	4.07	37
Deltapine DP 449BG/RR	939	38	38.26	29	9.23	37	1.10	24	82.83	33	31.87	10	8.30	30	4.30	31
Mean	1144		38.74		10.11		1.10		83.44		30.74		8.74		4.50	
LSD (.10)	109		1.00		0.99		0.03		1.05		1.63		0.46		0.23	
CV(%)	9.56		1.91		7.23		1.83		0.92		3.91		3.84		3.79	
R-SQUARE	0.52		0.85		0.46		0.72		0.48		0.80		0.76		0.79	
REPS	6		3		3		3		3		3		3		3	

Shaded values not significantly different from highest value.

Planted: May 28, 2003

Harvested: October 7, 2003

Table 30. Claiborne County, MS location of the Hill Region Early-Maturity Test in the 2003 Mississippi Cotton Variety Trial grown on a Memphis Silt Loam Soil.

NAME	Lint Yield		Lint Percent		Seed Index		Length (UHM)		Uniformity Index		Strength (HVI)		Elongation		Micronaire	
	lb/A	Rank	%	Rank	g	Rank	in	Rank	%	Rank	g/tex	Rank	EL	Rank	MIC	Rank
FiberMax FM 958	1672	1	39.83	7	10.27	15	1.14	5	83.83	27	32.17	12	7.40	37	4.70	11
FiberMax FM 960BR	1637	2	38.25	20	10.43	11	1.10	27	84.07	24	35.30	2	7.63	35	4.23	34
OAX-303	1634	3	40.80	2	9.37	35	1.11	17	84.40	15	29.93	31	8.17	19	4.60	17
FiberMax FM 819RR†	1603	4	39.76	9	9.37	36	1.15	4	84.73	11	31.53	19	8.10	21	4.23	33
BCG 28R	1596	5	39.10	15	10.37	12	1.13	10	84.47	14	30.90	25	7.90	26	4.93	6
FiberMax FM 966†	1593	6	39.29	12	10.90	4	1.13	7	85.00	4	36.47	1	7.63	34	4.47	26
OAX-300BR	1579	7	39.92	6	9.87	23	1.03	37	83.17	35	28.87	36	8.70	11	4.67	13
Stoneville ST 4892BR	1579	8	39.70	10	10.27	16	1.08	31	84.03	25	31.90	13	8.23	18	4.67	14
Sure-Grow 105	1576	9	38.21	21	10.57	10	1.13	8	85.23	1	32.17	11	8.50	12	4.50	24
Deltapine DP 444BG/RR	1568	10	40.71	3	9.67	27	1.10	26	84.60	13	31.00	24	7.97	23	4.10	36
Deltapine DP 434RR	1566	11	40.25	4	9.70	26	1.16	2	84.93	5	29.17	33	8.17	20	4.20	35
Sure-Grow SG 215BG/RR	1555	12	39.10	14	10.13	18	1.06	35	83.83	29	29.13	34	8.30	17	5.07	1
FiberMax FM 958B	1554	13	39.22	13	9.63	29	1.11	19	84.13	18	34.87	3	7.90	24	4.40	31
Deltapine DP 449BG/RR	1548	14	37.83	26	9.53	30	1.11	20	84.17	17	34.53	4	7.83	28	4.63	15
Stoneville ST 4793R	1544	15	40.12	5	10.57	9	1.08	34	83.83	28	31.30	21	7.90	25	4.97	3
PhytoGen PHY 410R	1539	16	37.75	27	11.03	3	1.12	14	84.93	6	32.37	10	8.90	5	4.73	10
Sure-Grow 521R	1534	17	38.02	23	9.50	32	1.09	29	85.10	2	29.93	30	8.70	9	4.37	32
DES 816	1513	18	37.72	28	10.20	17	1.13	11	84.90	7	32.87	8	8.30	16	4.43	28
DX2429	1512	19	37.83	25	10.13	19	1.11	15	84.90	8	33.00	7	9.13	2	4.80	9
DPLX 00W12	1511	20	39.77	8	9.87	24	1.15	3	84.80	9	32.50	9	9.03	4	4.60	16
FiberMax FM 989R	1507	21	38.80	17	11.13	2	1.10	24	84.13	19	34.13	5	7.77	31	4.50	25
Paymaster PM 1218BG/RR	1500	22	38.07	22	10.83	6	1.08	30	83.70	32	31.13	22	8.50	13	4.57	19
Sure-Grow SG 747	1497	23	39.39	11	10.10	20	1.11	18	84.37	16	29.97	29	8.77	8	4.87	7
DPLX 02X71R	1493	24	38.49	18	10.37	13	1.10	25	83.80	31	31.67	17	8.37	14	4.97	2
Stoneville ST 4563B2	1492	25	37.34	30	10.30	14	1.11	21	83.10	36	30.40	27	7.47	36	4.60	18
OAX-304BR	1482	26	37.13	31	9.67	28	1.09	28	84.13	20	30.77	26	9.07	3	4.67	12
Deltapine DP 432RR	1468	27	38.26	19	8.27	37	1.11	23	84.73	12	31.73	14	8.77	6	4.53	20
Stoneville ST 474	1465	28	41.50	1	9.83	25	1.08	33	83.93	26	31.60	18	8.03	22	4.93	5
DES 810	1462	29	36.24	34	9.47	34	1.12	13	84.80	10	31.70	16	8.77	7	4.43	27
Sure-Grow SG 501BR	1462	30	37.91	24	9.50	31	1.08	32	84.13	21	31.33	20	8.70	10	4.93	4
Stoneville ST 4646B2R	1460	31	37.44	29	10.07	21	1.11	16	83.43	34	31.10	23	7.77	33	4.53	23
BCG 295	1459	32	36.84	32	10.07	22	1.17	1	83.63	33	31.73	15	7.77	32	4.43	30
Stoneville ST 3990BR	1449	33	36.58	33	10.67	7	1.05	36	82.90	37	30.00	28	7.83	29	4.07	37
OAX-302BR	1387	34	33.65	37	11.17	1	1.13	9	84.07	23	28.17	37	7.90	27	4.43	29
Deltapine DP 436RR	1369	35	33.83	36	10.67	8	1.12	12	84.10	22	28.97	35	8.37	15	4.53	21
PhytoGen PSC 355	1346	36	38.82	16	9.47	33	1.11	22	85.03	3	33.30	6	9.23	1	4.83	8
Deltapine DP 451B/RR	1335	37	34.56	35	10.90	5	1.14	6	83.80	30	29.60	32	7.83	30	4.53	22
Paymaster PM 1199RR‡	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

Mean	1514		38.25		10.10		1.11		84.24		31.55		8.25		4.59	
LSD (.10)	43		1.20		0.93		0.03		1.00		1.07		0.31		0.24	
CV(%)	3.01		2.30		6.79		1.71		0.87		2.49		2.79		3.92	
R-SQUARE	0.78		0.88		0.55		0.80		0.52		0.90		0.88		0.76	
REPS	6		3		3		3		3		3		3		3	

Shaded values not significantly different from highest value.

†FM 958LL and FM 966LL were replaced with FM 819RR and FM 989RR at this location only and are not included any other analysis.

‡PM 1199RR was omitted from this location only.

Planted: April 28, 2003

Harvested: September 30, 2003

Table 31. Durant, MS location of the Hill Region Early-Maturity Test in the 2003 Mississippi Cotton Variety Trial grown on an Oaklimer Silty Loam Soil.

NAME	Lint Yield		Lint Percent		Seed Index		Length (UHM)		Uniformity Index		Strength (HVI)		Elongation		Micronaire	
	Ib/A	Rank	%	Rank	g	Rank	in	Rank	%	Rank	g/tex	Rank	EL	Rank	MIC	Rank
Paymaster PM 1218BG/RR	1506	1	41.77	3	11.97	3	1.10	33	83.93	33	30.10	24	9.00	15	5.10	1
DX2429	1389	2	40.20	12	11.17	12	1.17	9	86.03	2	33.37	6	9.43	4	5.00	3
FiberMax FM 960BR	1319	3	40.15	13	11.80	7	1.15	15	84.80	17	35.60	2	8.67	30	4.60	16
Deltapine DP 444BG/RR	1277	4	40.32	11	10.80	18	1.13	27	84.80	19	29.73	26	8.77	28	3.97	38
PhytoGen PSC 355	1260	5	41.07	6	10.63	25	1.14	24	85.20	12	32.67	9	9.73	2	5.00	2
FiberMax FM 958	1245	6	42.01	2	11.90	5	1.18	5	84.43	26	31.73	15	8.03	37	4.63	13
OAX-303	1224	7	43.79	1	9.60	38	1.17	12	85.77	3	30.70	19	8.83	25	4.63	10
OAX-300BR	1222	8	39.13	24	10.70	23	1.07	38	83.70	34	27.67	38	9.00	16	4.37	29
PhytoGen PHY 410R	1204	9	39.98	16	10.90	15	1.17	10	85.63	8	31.83	13	9.90	1	4.40	28
FiberMax FM 966LL	1188	10	40.14	14	12.33	1	1.18	7	85.13	13	35.07	3	8.60	33	4.60	17
BCG 28R	1169	11	40.36	9	10.60	26	1.19	4	85.70	5	32.30	11	8.90	20	4.50	24
Paymaster PM 1199RR	1155	12	39.80	19	10.90	16	1.13	26	85.40	11	32.43	10	8.83	24	4.63	9
Stoneville ST 3990BR	1154	13	37.60	34	11.93	4	1.07	37	83.30	37	28.30	34	8.90	23	4.20	36
Deltapine DP 434RR	1142	14	39.56	21	9.90	35	1.14	23	84.70	23	31.17	17	9.17	11	4.57	21
FiberMax FM 966	1132	15	41.12	5	12.27	2	1.21	2	86.13	1	37.13	1	8.50	35	4.63	12
DES 810	1118	16	37.96	32	10.50	30	1.13	29	84.73	22	32.70	8	9.40	6	4.57	19
FiberMax FM 958LL	1115	17	41.16	4	11.87	6	1.21	1	85.67	6	33.93	5	8.60	34	4.63	11
Deltapine DP 451B/RR	1105	18	35.87	36	10.70	24	1.17	11	84.57	24	29.90	25	8.90	22	4.47	26
FiberMax FM 958B	1101	19	40.70	7	10.83	17	1.18	6	85.73	4	34.30	4	8.67	31	4.30	32
Stoneville ST 4892BR	1100	20	40.07	15	11.23	11	1.12	30	84.07	32	31.83	14	8.77	27	4.90	4
BCG 295	1098	21	38.28	31	10.57	27	1.20	3	85.63	7	30.30	22	8.17	36	4.23	34
DPLX 02X71R	1092	22	38.97	27	10.73	21	1.14	18	84.73	21	30.63	20	9.37	8	4.60	14
Sure-Grow SG 747	1085	23	39.18	23	10.43	31	1.14	25	84.47	25	27.70	36	8.70	29	4.73	7
Deltapine DP 436RR	1084	24	35.58	37	11.40	8	1.16	14	85.10	14	28.97	32	9.20	10	4.53	22
Sure-Grow SG 215BG/RR	1082	25	39.19	22	10.27	32	1.10	34	84.13	29	27.67	37	8.97	18	4.43	27
OAX-304BR	1075	26	38.28	30	10.23	33	1.09	36	82.70	38	29.50	29	9.43	5	4.83	6
DES 816	1065	27	39.07	26	11.07	13	1.14	20	84.87	16	32.77	7	9.07	13	4.53	23
Sure-Grow 521R	1062	28	39.12	25	10.50	29	1.10	35	84.10	31	29.23	31	9.37	7	4.50	25
Stoneville ST 4793R	1058	29	40.52	8	11.33	9	1.11	31	83.57	36	31.40	16	8.97	17	4.87	5
Stoneville ST 474	1050	30	40.32	10	10.77	20	1.13	28	84.10	30	30.37	21	8.83	26	4.67	8
DPLX 00W12	1043	31	39.83	18	10.70	22	1.17	13	85.40	10	30.17	23	9.53	3	4.27	33
OAX-302BR	1025	32	34.64	38	11.07	14	1.14	21	84.40	27	28.53	33	9.13	12	4.30	31
Sure-Grow SG 501BR	1023	33	37.62	33	10.57	28	1.11	32	84.33	28	29.43	30	9.03	14	4.60	15
Deltapine DP 432RR	1022	34	39.95	17	9.83	36	1.18	8	84.73	20	28.10	35	8.93	19	4.13	37
Sure-Grow 105	992	35	38.54	28	10.80	19	1.14	22	85.60	9	30.93	18	9.33	9	4.57	20
Stoneville ST 4563B2	985	36	39.66	20	10.07	34	1.15	16	83.60	35	29.63	27	7.93	38	4.37	30
Stoneville ST 4646B2R	984	37	38.41	29	11.27	10	1.14	17	84.93	15	29.53	28	8.67	32	4.57	18
Deltapine DP 449BG/RR	867	38	37.25	35	9.63	37	1.14	19	84.80	18	31.93	12	8.90	21	4.20	35
Mean	1130		39.40		10.89		1.14		84.75		31.03		8.95		4.54	
LSD (.10)	157		1.17		0.67		0.03		1.10		1.54		0.38		0.31	
CV(%)	14.37		2.19		4.54		1.66		0.96		3.66		3.14		5.10	
R-SQUARE	0.48		0.86		0.75		0.84		0.62		0.87		0.77		0.63	
REPS	6		3		3		3		3		3		3		3	

Shaded values not significantly different from highest value.

Planted: May 30, 2003

Harvested: November 1, 2003

Table 32. Holly Springs, MS location of the Hill Region Early-Maturity Test in the 2003 Mississippi Cotton Variety Trial grown on a Grenada Silt Loam Soil.

NAME	Lint Yield		Lint Percent		Seed Index		Length (UHM)		Uniformity Index		Strength (HVI)		Elongation		Micronaire	
	Ib/A	Rank	%	Rank	g	Rank	in	Rank	%	Rank	g/tex	Rank	EL	Rank	MIC	Rank
DX2429	1164	1	39.63	13	10.43	14	1.13	13	85.57	5	36.53	4	9.73	2	4.77	4
FiberMax FM 966	1164	2	40.13	6	10.37	16	1.14	8	85.40	8	36.80	3	7.83	36	4.17	31
FiberMax FM 958B	1123	3	41.08	2	10.50	12	1.12	16	84.77	21	36.53	5	8.23	29	4.07	35
FiberMax FM 958LL	1086	4	38.95	21	9.97	27	1.19	1	85.73	2	34.40	9	7.90	35	4.30	29
PhytoGen PSC 355	1078	5	39.90	10	9.67	33	1.10	26	84.40	30	35.57	7	9.73	1	4.83	2
DES 810	1074	6	37.57	31	9.70	32	1.10	27	85.20	12	32.97	17	8.87	9	4.30	26
OAX-303	1070	7	43.20	1	9.43	36	1.12	18	84.87	18	32.90	18	8.67	16	4.93	1
FiberMax FM 960BR	1067	8	38.95	20	10.83	5	1.12	15	85.07	17	37.63	1	8.17	30	4.13	33
FiberMax FM 958	1053	9	39.93	9	10.63	10	1.15	4	85.60	4	33.30	15	7.83	37	4.40	22
DES 816	1029	10	37.75	30	10.67	9	1.11	21	84.70	25	34.27	10	8.80	12	4.53	14
DPLX 00W12	1026	11	38.89	22	10.67	8	1.13	10	85.30	10	34.77	8	9.43	4	4.37	24
Sure-Grow SG 747	1022	12	39.12	19	11.07	3	1.12	14	84.70	24	29.23	33	8.87	10	4.63	9
BCG 295	1015	13	37.78	29	10.33	19	1.16	3	85.47	7	33.73	12	8.37	25	4.30	27
Stoneville ST 474	1013	14	40.36	5	10.13	23	1.09	31	84.63	26	31.77	24	8.63	18	4.80	3
Sure-Grow SG 501BR	1012	15	38.38	26	10.23	21	1.06	36	84.83	20	33.53	13	9.17	5	4.60	10
FiberMax FM 966LL	1011	16	40.01	8	10.50	13	1.11	22	84.47	29	36.20	6	8.03	33	4.43	20
OAX-300BR	989	17	39.47	14	10.07	24	1.06	37	85.17	13	29.00	35	8.87	11	4.07	34
Paymaster PM 1218BG/RR	972	18	40.51	4	10.97	4	1.08	33	84.63	27	30.17	27	8.70	15	4.50	17
Stoneville ST 4892BR	962	19	39.76	11	10.00	26	1.09	32	83.93	34	33.10	16	8.57	19	4.53	15
BCG 28R	960	20	39.14	18	9.83	29	1.14	7	84.20	32	29.23	34	7.97	34	4.70	8
Deltapine DP 444BG/RR	956	21	40.79	3	10.40	15	1.10	25	85.13	16	32.23	23	8.43	23	3.97	36
Stoneville ST 3990BR	947	22	37.30	34	10.73	6	1.02	38	83.00	38	30.13	28	8.30	28	3.67	38
Stoneville ST 4793R	945	23	39.25	15	10.37	17	1.08	34	84.13	33	32.50	20	8.63	17	4.70	6
Deltapine DP 449BG/RR	944	24	37.55	32	9.80	31	1.11	20	84.57	28	33.43	14	8.10	32	4.30	28
Paymaster PM 1199RR	935	25	40.11	7	9.33	37	1.11	23	85.90	1	33.77	11	8.73	14	4.60	11
DPLX 02X71R	935	26	37.97	28	9.87	28	1.12	17	85.50	6	32.23	22	8.80	13	4.37	25
Sure-Grow 521R	931	27	39.24	16	9.80	30	1.09	29	84.33	31	29.23	32	8.50	21	4.13	32
Sure-Grow 105	922	28	38.60	24	10.03	25	1.12	19	85.13	15	31.23	25	8.43	24	4.70	7
Deltapine DP 432RR	921	29	38.31	27	9.27	38	1.10	28	84.83	19	32.77	19	8.97	7	4.40	21
PhytoGen PHY 410R	909	30	39.16	17	10.33	18	1.14	6	85.70	3	37.20	2	9.53	3	4.37	23
Deltapine DP 434RR	881	31	39.65	12	9.67	34	1.16	2	83.77	35	28.63	36	8.37	26	3.90	37
Sure-Grow SG 215BG/RR	877	32	38.84	23	11.33	1	1.07	35	84.77	22	29.33	31	8.97	8	4.70	5
Stoneville ST 4563B2	860	33	37.31	33	9.67	35	1.13	11	83.00	37	29.53	29	7.53	38	4.27	30
Stoneville ST 4646B2R	848	34	37.05	35	10.17	22	1.09	30	83.20	36	30.43	26	8.17	31	4.47	19
OAX-304BR	846	35	38.53	25	10.70	7	1.10	24	85.27	11	32.37	21	9.07	6	4.50	16
Deltapine DP 436RR	837	36	36.12	36	10.57	11	1.13	12	84.70	23	28.27	37	8.50	22	4.57	12
Deltapine DP 451B/RR	812	37	35.22	37	10.30	20	1.15	5	85.37	9	29.53	30	8.57	20	4.50	18
OAX-302BR	789	38	34.14	38	11.17	2	1.13	9	85.13	14	28.07	38	8.37	27	4.57	13
Mean	973		38.83		10.25		1.11		84.79		32.44		8.59		4.42	
LSD (.10)	42		1.11		0.94		0.03		0.91		1.86		0.31		0.29	
CV(%)	4.56		2.11		6.77		1.86		0.79		4.21		2.63		4.74	
R-SQUARE	0.85		0.86		0.46		0.79		0.64		0.86		0.89		0.76	
REPS	6		3		3		3		3		3		3		3	

Shaded values not significantly different from highest value.

Planted: April 30, 2003

Harvested: October 16, 2003

Table 33. Mississippi State, MS location of the Hill Region Early-Maturity Test in the 2003 Mississippi Cotton Variety Trial grown on a Marietta Silt Loam Soil.

NAME	Lint Yield		Lint Percent		Seed Index		Length (UHM)		Uniformity Index		Strength (HVI)		Elongation		Micronaire	
	lb/A	Rank	%	Rank	g	Rank	in	Rank	%	Rank	g/tex	Rank	EL	Rank	MIC	Rank
FiberMax FM 966LL	1180	1	40.41	16	10.20	13	1.14	19	84.50	24	38.73	2	8.40	30	4.27	30
Stoneville ST 3990BR	1178	2	38.37	32	10.13	14	1.09	37	84.33	26	31.30	33	9.03	17	3.67	38
Stoneville ST 4563B2	1178	3	40.32	18	9.70	27	1.15	11	83.40	37	31.63	32	7.77	38	4.60	11
OAX-300BR	1178	4	41.34	4	9.80	24	1.05	38	83.23	38	30.87	34	9.33	8	4.67	8
OAX-303	1146	5	44.44	1	9.83	20	1.10	34	84.13	33	32.40	24	8.73	27	4.90	1
Deltapine DP 444BG/RR	1101	6	42.50	2	8.63	38	1.12	26	84.53	22	33.33	23	8.80	26	3.80	37
FiberMax FM 958B	1094	7	40.74	11	9.83	21	1.13	20	84.33	25	37.27	5	8.27	33	4.13	33
Stoneville ST 4892BR	1087	8	40.78	9	9.53	31	1.12	25	84.20	30	34.67	17	9.03	15	4.63	9
FiberMax FM 960BR	1074	9	39.50	27	10.30	8	1.14	18	85.33	8	38.03	3	8.20	35	3.93	36
DPLX 00W12	1064	10	40.80	8	10.40	5	1.18	4	86.00	1	37.37	4	9.80	1	4.47	19
OAX-304BR	1061	11	39.62	24	10.47	3	1.11	31	84.03	36	32.03	28	9.33	7	4.47	20
Sure-Grow SG 501BR	1023	12	39.82	22	9.70	28	1.11	33	84.27	28	35.70	10	9.27	9	4.70	6
FiberMax FM 958	1016	13	40.87	7	9.73	25	1.19	3	85.37	7	36.27	7	7.97	36	4.33	28
OAX-302BR	996	14	36.01	38	10.87	1	1.14	13	84.13	32	28.60	38	8.83	25	4.53	15
Sure-Grow 521R	992	15	39.24	28	9.53	32	1.13	21	85.20	10	31.63	31	9.40	5	4.40	22
Paymaster PM 1218BG/RR	991	16	39.97	20	10.23	12	1.11	32	84.57	21	31.70	30	8.97	20	4.53	16
Deltapine DP 434RR	983	17	38.54	31	8.90	37	1.14	15	85.13	11	34.27	19	9.03	16	4.10	34
DPLX 02X71R	979	18	39.51	25	9.73	26	1.12	27	85.13	13	34.53	18	9.37	6	4.40	23
FiberMax FM 958LL	978	19	40.48	14	10.40	6	1.20	1	85.10	14	35.80	9	7.97	37	4.33	29
FiberMax FM 966	973	20	41.33	5	10.03	18	1.16	7	85.30	9	41.00	1	8.27	34	4.33	27
BCG 295	965	21	38.69	29	10.27	11	1.19	2	85.40	6	35.23	13	8.53	28	4.23	31
Paymaster PM 1199RR	947	22	40.36	17	10.00	19	1.11	29	84.77	17	33.90	20	8.87	24	4.33	26
Deltapine DP 432RR	947	23	41.23	6	9.10	36	1.18	5	85.47	4	32.10	26	8.90	23	3.97	35
BCG 28R	946	24	40.76	10	10.10	15	1.16	6	84.20	29	32.10	27	8.37	31	4.70	7
DX2429	930	25	39.79	23	10.40	7	1.14	17	85.13	12	36.37	6	9.50	3	4.70	5
Deltapine DP 436RR	930	26	36.19	37	9.83	23	1.15	8	84.27	27	29.90	37	9.07	14	4.40	24
Stoneville ST 4793R	928	27	40.60	12	9.47	34	1.09	36	84.17	31	35.00	15	9.00	18	4.80	3
Sure-Grow 105	921	28	38.37	33	10.53	2	1.14	14	85.50	3	33.70	21	9.07	12	4.77	4
Stoneville ST 4646B2R	917	29	38.08	34	9.33	35	1.15	12	84.73	19	33.47	22	8.97	19	4.17	32
Deltapine DP 451B/RR	906	30	36.24	36	10.10	17	1.15	10	84.73	18	30.53	35	8.33	32	4.50	18
DES 816	904	31	38.62	30	10.30	9	1.15	9	84.77	15	36.10	8	8.93	21	4.50	17
Sure-Grow SG 215BG/RR	896	32	39.93	21	9.50	33	1.10	35	84.13	34	30.47	36	9.07	13	4.53	14
Sure-Grow SG 747	893	33	41.45	3	10.43	4	1.14	16	85.53	2	31.97	29	9.27	10	4.53	13
Deltapine DP 449BG/RR	873	34	39.50	26	10.10	16	1.12	24	84.07	35	34.70	16	8.43	29	4.37	25
DES 810	864	35	37.60	35	10.30	10	1.12	28	84.60	20	35.43	12	9.10	11	4.47	21
Stoneville ST 474	860	36	40.54	13	9.83	22	1.11	30	84.53	23	32.30	25	8.90	22	4.83	2
PhytoGen PSC 355	857	37	40.42	15	9.63	29	1.13	22	84.77	16	35.03	14	9.50	4	4.57	12
PhytoGen PHY 410R	654	38	40.11	19	9.60	30	1.13	23	85.47	5	35.63	11	9.53	2	4.60	10

Mean	985	39.82	9.92	1.13	84.70	33.98	8.87	4.43
LSD (.10)	135	1.24	1.06	0.03	0.97	1.87	0.34	0.22
CV(%)	14.36	2.29	7.86	1.64	0.84	4.04	2.79	3.72
R-SQUARE	0.50	0.84	0.37	0.80	0.56	0.86	0.86	0.82
REPS	6	3	3	3	3	3	3	3

Shaded values not significantly different from highest value.

Planted: May 14, 2003

Harvested: October 3, 2003

Table 34. Nesbit, MS location of the Hill Region Early-Maturity Test in the 2003 Mississippi Cotton Variety Trial grown on a Collins Silt Loam Soil.

NAME	Lint Yield		Lint Percent		Seed Index		Length (UHM)		Uniformity Index		Strength (HVI)		Elongation		Micronaire	
	lb/A	Rank	%	Rank	g	Rank	in	Rank	%	Rank	g/tex	Rank	EL	Rank	MIC	Rank
Deltapine DP 444BG/RR	1519	1	43.47	2	11.00	4	1.10	26	84.17	21	29.53	25	8.17	28	4.30	34
FiberMax FM 960BR	1477	2	40.77	22	9.97	29	1.11	25	84.13	22	34.73	1	7.83	35	4.40	32
FiberMax FM 958B	1467	3	42.24	5	9.77	35	1.13	11	84.23	19	33.13	3	7.97	32	4.17	37
OAX-303	1463	4	43.96	1	10.20	21	1.13	15	84.50	14	28.90	27	8.50	20	4.90	11
Stoneville ST 3990BR	1432	5	40.67	24	10.37	16	1.08	36	84.07	25	28.40	32	8.43	23	4.37	33
Stoneville ST 4646B2R	1430	6	39.89	29	10.73	9	1.11	24	83.27	37	29.97	24	8.37	25	4.50	28
FiberMax FM 958	1408	7	42.23	6	10.50	13	1.13	10	84.20	20	31.50	8	7.77	38	4.97	7
DX2429	1403	8	41.36	13	11.17	3	1.13	17	85.07	6	31.10	13	9.33	2	5.00	4
PhytoGen PSC 355	1385	9	40.96	19	10.07	26	1.12	20	84.77	11	31.03	15	9.47	1	5.00	3
FiberMax FM 966	1376	10	41.00	18	11.00	5	1.16	6	85.13	4	33.80	2	7.77	37	4.53	25
Sure-Grow SG 501BR	1370	11	39.95	27	10.17	22	1.09	29	84.97	7	30.27	22	9.10	6	4.73	14
DPLX 00W12	1364	12	41.60	10	10.03	28	1.16	5	85.07	5	31.77	5	8.97	9	4.57	21
Paymaster PM 1199RR	1364	13	41.34	14	10.83	7	1.11	23	84.00	26	30.97	16	8.43	21	4.63	18
Stoneville ST 474	1356	14	43.46	3	10.03	27	1.08	34	84.07	24	30.57	20	8.87	11	4.97	6
DPLX 02X71R	1342	15	40.74	23	9.93	30	1.13	16	85.30	3	30.57	19	9.13	5	4.93	9
Stoneville ST 4892BR	1324	16	42.58	4	9.80	33	1.08	37	83.50	35	30.70	17	8.83	13	5.07	2
OAX-304BR	1320	17	38.37	34	10.23	20	1.09	28	83.77	30	29.97	23	9.07	7	4.50	26
Deltapine DP 434RR	1318	18	41.81	9	9.90	31	1.18	2	84.93	8	27.37	36	8.17	30	4.13	38
Sure-Grow SG 215BG/RR	1314	19	40.17	26	10.57	11	1.09	31	84.33	16	27.63	34	9.07	8	4.57	20
Stoneville ST 4563B2	1311	20	41.81	8	9.07	38	1.11	22	83.07	38	29.17	26	7.83	36	4.50	30
FiberMax FM 966LL	1302	21	41.50	12	9.90	32	1.14	8	85.77	1	32.50	4	8.30	27	4.73	15
Paymaster PM 1218BG/RR	1292	22	41.54	11	11.50	1	1.08	33	83.70	33	28.87	28	8.43	22	5.10	1
OAX-300BR	1285	23	40.26	25	10.43	14	1.06	38	83.73	31	26.93	37	8.83	14	4.53	24
PhytoGen PHY 410R	1260	24	41.29	16	10.53	12	1.12	19	84.27	18	31.23	11	9.30	3	4.93	8
DES 816	1236	25	39.23	32	11.33	2	1.13	12	83.93	28	31.33	10	8.73	18	4.90	10
Stoneville ST 4793R	1207	26	42.02	7	10.30	18	1.08	35	83.30	36	30.67	18	8.57	19	4.80	12
Deltapine DP 432RR	1203	27	40.88	20	9.50	36	1.09	32	83.80	29	31.70	7	9.20	4	4.57	19
BCG 28R	1200	28	41.04	17	10.33	17	1.13	14	84.37	15	28.80	29	8.17	29	5.00	5
FiberMax FM 958LL	1190	29	40.83	21	10.83	8	1.20	1	85.47	2	30.50	21	7.87	34	4.40	31
Sure-Grow SG 747	1173	30	41.32	15	9.80	34	1.13	18	83.97	27	28.00	33	8.93	10	4.63	17
DES 810	1159	31	38.03	35	10.13	24	1.10	27	84.83	10	31.40	9	8.73	17	4.77	13
Deltapine DP 449BG/RR	1148	32	39.90	28	9.43	37	1.12	21	83.70	32	31.13	12	7.90	33	4.50	29
Sure-Grow 105	1138	33	38.56	33	10.40	15	1.13	13	84.87	9	31.10	14	8.80	15	4.57	22
BCG 295	1134	34	39.77	30	10.23	19	1.16	4	84.73	13	31.77	6	8.37	24	4.57	23
Sure-Grow 521R	1116	35	39.61	31	10.10	25	1.09	30	84.10	23	28.53	30	8.87	12	4.67	16
Deltapine DP 451B/RR	1098	36	37.16	37	10.63	10	1.16	3	84.73	12	28.40	31	8.37	26	4.20	36
OAX-302BR	1022	37	35.34	38	10.93	6	1.13	9	83.60	34	26.50	38	8.03	31	4.23	35
Deltapine DP 436RR	1020	38	37.33	36	10.17	23	1.14	7	84.30	17	27.63	35	8.77	16	4.50	27

Mean	1288	40.63	10.31	1.12	84.31	30.21	8.56	4.64
LSD (.10)	65	1.58	0.92	0.02	0.98	1.48	0.35	0.33
CV(%)	5.26	2.85	6.56	1.63	0.85	3.59	3.02	5.15
R-SQUARE	0.82	0.79	0.49	0.82	0.68	0.85	0.85	0.71
REPS	6	3	3	3	3	3	3	3

Shaded values not significantly different from highest value.

Planted: May 9, 2003

Harvested: October 28, 2003

Table 35. Verona, MS location of the Hill Region Early-Maturity Test in the 2003 Mississippi Cotton Variety Trial grown on a Leeper Fine Sandy Loam Soil.

NAME	Lint Yield		Lint Percent		Seed Index		Length (UHM)		Uniformity Index		Strength (HVI)		Elongation		Micronaire	
	lb/A	Rank	%	Rank	g	Rank	in	Rank	%	Rank	g/tex	Rank	EL	Rank	MIC	Rank
FiberMax FM 966LL	1589	1	39.82	18	10.40	2	1.15	7	84.40	8	37.35	2	8.18	32	3.85	24
OAX-303	1531	2	44.73	1	9.18	26	1.10	29	83.80	22	31.80	26	8.70	19	4.35	3
FiberMax FM 958	1500	3	40.89	9	9.58	16	1.17	3	83.80	21	34.43	9	8.15	33	4.13	11
OAX-300BR	1495	4	40.54	12	8.90	34	1.06	38	82.85	36	29.48	37	8.90	13	3.83	25
FiberMax FM 958LL	1470	5	40.31	14	9.63	15	1.20	1	85.05	1	34.78	6	7.85	37	3.83	27
PhytoGen PSC 355	1419	6	40.07	16	10.33	4	1.14	10	84.33	9	33.75	12	9.68	1	4.38	1
FiberMax FM 966	1408	7	40.69	10	9.65	13	1.15	6	84.98	2	37.93	1	8.08	35	4.00	16
BCG 28R	1407	8	41.49	4	9.10	28	1.14	11	83.83	18	32.60	19	8.40	28	4.18	10
FiberMax FM 958B	1374	9	40.94	8	9.38	22	1.13	12	83.85	17	35.75	3	8.30	30	3.58	34
DX2429	1356	10	42.93	2	9.25	25	1.14	9	84.58	5	34.50	7	9.45	2	4.33	5
Stoneville ST 4892BR	1343	11	40.50	13	9.85	10	1.10	28	83.65	24	32.93	16	8.68	20	4.35	4
Paymaster PM 1218BG/RR	1322	12	40.97	7	9.78	11	1.09	31	83.70	23	31.93	25	8.68	21	4.23	7
DPLX 00W12	1320	13	40.24	15	8.88	37	1.16	5	84.90	3	33.78	11	9.20	4	4.03	14
Sure-Grow 521R	1318	14	38.80	27	9.95	9	1.07	36	82.75	38	30.83	30	9.02	7	3.98	17
FiberMax FM 960BR	1314	15	38.89	26	9.45	21	1.13	18	83.55	28	35.18	5	8.00	36	3.55	36
DPLX 02X71R	1308	16	38.09	32	9.10	30	1.11	25	83.58	27	32.18	23	8.95	10	3.68	31
Sure-Grow SG 215BG/RR	1300	17	39.07	23	9.35	23	1.09	34	83.55	29	29.45	38	8.83	18	3.85	23
Deltapine DP 432RR	1293	18	38.90	25	9.58	17	1.12	21	83.63	26	32.53	20	8.83	16	3.95	19
Deltapine DP 436RR	1278	19	36.38	36	10.40	3	1.13	14	84.20	10	30.20	34	8.93	12	4.03	15
Deltapine DP 444BG/RR	1274	20	41.62	3	9.63	14	1.11	26	83.90	16	32.20	22	8.55	26	3.50	37
OAX-304BR	1256	21	38.28	30	10.10	8	1.09	30	83.33	32	31.25	27	9.10	6	3.85	22
PhytoGen PHY 410R	1254	22	39.69	20	9.18	27	1.13	13	83.63	25	33.25	14	9.23	3	3.80	28
Deltapine DP 451B/RR	1249	23	36.33	37	9.48	19	1.13	19	84.15	12	30.68	31	8.50	27	3.93	20
DES 816	1247	24	38.71	28	10.30	5	1.14	8	84.10	13	35.65	4	8.93	11	4.10	13
BCG 295	1238	25	38.01	33	8.45	38	1.19	2	84.53	6	33.88	10	8.10	34	3.23	38
Sure-Grow 105	1234	26	38.67	29	9.70	12	1.13	15	84.00	14	32.65	18	8.95	9	4.10	12
Stoneville ST 4563B2	1217	27	39.78	19	8.90	36	1.13	17	82.80	37	30.28	32	7.78	38	3.68	33
OAX-302BR	1214	28	36.13	38	9.30	24	1.11	24	83.03	35	29.95	35	8.58	24	3.83	26
Sure-Grow SG 501BR	1204	29	39.09	22	9.10	29	1.08	35	83.98	15	33.15	15	9.15	5	4.18	8
Stoneville ST 474	1197	30	40.56	11	10.28	6	1.09	32	83.48	30	31.20	28	8.63	22	4.18	9
Stoneville ST 4793R	1183	31	41.04	6	9.45	20	1.09	33	83.45	31	32.33	21	8.83	17	4.35	2
Stoneville ST 3990BR	1181	32	37.64	34	11.08	1	1.06	37	83.23	33	29.80	36	8.58	25	3.68	32
Deltapine DP 449BG/RR	1175	33	38.22	31	9.08	31	1.12	22	83.83	19	32.90	17	8.20	31	3.90	21
Sure-Grow SG 747	1141	34	39.99	17	8.90	35	1.12	20	84.48	7	31.00	29	8.98	8	4.25	6
Deltapine DP 434RR	1126	35	41.14	5	9.00	33	1.16	4	84.73	4	30.20	33	8.33	29	3.55	35
Stoneville ST 4646B2R	1124	36	39.03	24	9.05	32	1.12	23	83.05	34	32.08	24	8.60	23	3.73	30
DES 810	1120	37	37.36	35	10.15	7	1.11	27	83.83	20	34.43	8	8.83	14	3.73	29
Paymaster PM 1199RR	1072	38	39.34	21	9.53	18	1.13	16	84.18	11	33.75	13	8.83	15	3.95	18

Mean	1291	39.60	9.53	1.12	83.86	32.38	8.67	3.93
LSD (.10)	165	1.58	0.91	0.02	0.78	1.29	0.31	0.35
CV(%)	10.89	3.41	8.12	1.59	0.80	3.35	3.08	7.54
R-SQUARE	0.53	0.71	0.43	0.81	0.54	0.84	0.79	0.55
REPS	4	4	4	4	4	4	4	4

Shaded values not significantly different from highest value.

Planted: May 28, 2003

Harvested: October 15 and October 21, 2003

Table 36. Three-Year (2001-2003) Lint Yield Averages over locations of the Hill Region Mid-Maturity Test in the Mississippi Cotton Variety Trial.

NAME	3- Yr Mean		2003		2002		2001	
	lb/A	Rank	lb/A	Rank	lb/A	Rank	lb/A	Rank
Stoneville ST 5599BR	1236	1	1331	2	1203	3	1175	3
Phytogen PSC 355	1169	2	1246	5	1113	6	1148	6
Deltapine DP 491	1164	3	1157	12	1179	4	1156	5
Sure-Grow SG 747	1127	4	1163	11	1060	11	1158	4
Deltapine DeltaPEARL	1105	5	1112	15	1087	9	1115	8
Deltapine DP 458B/RR	1057	6	1024	21	1031	15	1114	9
Deltapine DP 5415RR	1014	7	989	23	953	22	1099	10

Table 37. Three-Year (2001-2003) Lint Yield and Fiber Quality Averages over locations of the Hill Region Mid-Maturity Test in the Mississippi Cotton Variety Trial.

NAME	Lint Yield		Lint Percent		Length (UHM)		Uniformity Index		Strength (HVI)		Elongation		Micronaire	
	lb/A	Rank	%	Rank	in	Rank	%	Rank	g/tex	Rank	EL	Rank	MIC	Rank
Stoneville ST 5599BR	1236	1	40.27	2	1.13	3	83.69	6	30.89	4	8.04	6	4.60	3
Phytogen PSC 355	1169	2	39.65	4	1.12	6	84.39	1	31.47	2	9.17	1	4.83	1
Deltapine DP 491	1164	3	40.82	1	1.19	1	84.33	2	32.13	1	8.04	5	4.39	7
Sure-Grow SG 747	1127	4	40.16	3	1.12	7	84.32	3	28.33	7	8.73	3	4.79	2
Deltapine DeltaPEARL	1105	5	39.39	5	1.18	2	84.06	4	31.27	3	7.89	7	4.52	6
Deltapine DP 458B/RR	1057	6	38.27	7	1.12	5	83.57	7	30.71	5	8.45	4	4.58	4
Deltapine DP 5415RR	1014	7	38.54	6	1.12	4	83.89	5	30.18	6	8.74	2	4.57	5

Table 38. Two-Year (2002-2003) Lint Yield Averages over locations of the Hill Region Mid-Maturity Test in the Mississippi Cotton Variety Trial.

NAME	2-Yr Mean		2003		2002	
	lb/A	Rank	lb/A	Rank	lb/A	Rank
Stoneville ST 5599BR	1267	1	1331	2	1203	3
Deltapine DP 555BG/RR	1193	2	1139	13	1247	2
Phytogen PSC 355	1179	3	1246	5	1113	6
Deltapine DP 491	1168	4	1157	12	1179	4
Stoneville ST 5303R	1138	5	1171	9	1104	8
Fibermax FM 989BR	1127	6	1193	7	1061	10
Sure-Grow SG 747	1111	7	1163	11	1060	11
Deltapine DeltaPEARL	1100	8	1112	15	1087	9
Deltapine DP 448B	1063	9	1072	19	1054	12
Deltapine DP 458B/RR	1028	10	1024	21	1031	15
Deltapine DP 5415RR	971	11	989	23	953	22

Table 39. Two-Year (2002-2003) Lint Yield and Fiber Quality Averages over locations of the Hill Region Mid-Maturity Test in the Mississippi Cotton Variety Trial.

NAME	Lint Yield		Lint Percent		Seed Index		Length (UHM)		Uniformity Index		Strength (HVI)		Elongation		Micronaire	
	lb/A	Rank	%	Rank	g	Rank	in	Rank	%	Rank	g/tex	Rank	EL	Rank	MIC	Rank
Stoneville ST 5599BR	1267	1	40.64	3	10.57	1	1.13	5	83.70	8	30.97	6	7.95	8	4.68	3
Deltapine DP 555BG/RR	1193	2	41.91	1	8.71	11	1.13	3	83.30	11	30.09	9	7.56	11	4.43	8
Phytogen PSC 355	1179	3	39.97	5	10.19	3	1.12	8	84.59	1	32.05	3	9.20	1	4.85	1
Deltapine DP 491	1168	4	41.22	2	9.70	6	1.20	1	84.36	3	32.67	2	7.98	7	4.36	9
Stoneville ST 5303R	1138	5	39.44	7	9.98	5	1.10	11	84.31	4	34.06	1	8.54	4	4.60	4
Fibermax FM 989BR	1127	6	38.72	9	10.50	2	1.12	6	83.46	10	31.80	4	8.02	6	4.28	11
Sure-Grow SG 747	1111	7	40.27	4	10.08	4	1.12	10	84.42	2	28.76	11	8.71	3	4.82	2
Deltapine DeltaPEARL	1100	8	39.80	6	9.15	8	1.18	2	84.04	5	31.48	5	7.77	10	4.51	7
Deltapine DP 448B	1063	9	37.87	11	9.22	7	1.13	4	83.91	6	29.43	10	7.89	9	4.34	10
Deltapine DP 458B/RR	1028	10	38.37	10	8.95	10	1.12	7	83.65	9	30.95	7	8.45	5	4.58	6
Deltapine DP 5415RR	971	11	38.79	8	9.01	9	1.12	9	83.85	7	30.22	8	8.74	2	4.59	5

Table 40. Hill Region Mid-Maturity Test Average[†] Yields and Fiber Properties Across Locations, 2003 Mississippi Cotton Variety Trials.

NAME	Lint Yield		Lint Percent		Seed Index		Length (UHM)		Uniformity Index		Strength (HVI)		Elongation		Micronaire	
	lb/A	Rank	%	Rank	g	Rank	in	Rank	%	Rank	g/tex	Rank	EL	Rank	MIC	Rank
Stoneville ST 5242BR	1490	1	41.48	2	10.97	1	1.10	20	84.23	10	29.42	22	8.63	10	4.40	7
Stoneville ST 5599BR	1331	2	40.66	4	10.50	2	1.14	6	84.06	12	31.36	15	8.05	20	4.47	6
Deltapine DP 488BG/RR	1301	3	40.35	8	9.73	8	1.19	2	84.59	5	32.32	10	8.19	15	4.25	16
Deltapine DP 493	1300	4	42.88	1	9.12	17	1.13	8	83.50	21	32.13	11	8.16	16	4.54	4
PhytoGen PSC 355	1246	5	39.55	13	9.89	5	1.12	16	84.75	2	32.48	9	9.37	1	4.79	1
BCG 28R	1229	6	39.74	10	9.42	14	1.14	7	83.61	20	30.57	18	8.13	17	4.66	2
FiberMax FM 989BR	1193	7	38.72	17	9.91	4	1.13	9	83.69	19	32.09	12	8.11	19	4.03	22
Deltapine DP 494RR	1189	8	40.65	5	9.47	12	1.18	4	84.61	4	33.36	5	8.67	9	4.31	15
Stoneville ST 5303R	1171	9	39.31	14	9.81	7	1.09	23	84.31	8	34.34	2	8.74	7	4.39	9
OAX-301R	1167	10	38.13	21	9.68	9	1.09	22	84.23	11	29.60	20	9.11	2	4.33	12
Sure-Grow SG 747	1163	11	39.92	9	9.67	10	1.12	14	84.56	6	28.64	23	8.84	6	4.55	3
Deltapine DP 491	1157	12	40.63	6	9.50	11	1.20	1	84.65	3	33.01	6	8.13	18	4.13	20
Deltapine DP 555BG/RR	1139	13	41.29	3	8.42	23	1.12	13	83.25	23	30.29	19	7.69	23	4.21	18
FiberMax FM 991BR	1125	14	38.77	16	9.19	15	1.12	12	83.75	18	34.55	1	8.60	11	4.36	11
DeltaPEARL	1112	15	39.60	12	9.17	16	1.17	5	83.93	13	31.70	14	7.84	22	4.32	14
DPLX 02X25R	1077	16	40.47	7	8.92	22	1.13	10	84.28	9	32.95	7	8.88	5	4.39	8
BCG 24R	1075	17	38.64	18	9.46	13	1.10	21	83.50	22	30.78	17	8.91	4	4.23	17
FiberMax FM 800BR	1074	18	39.67	11	10.13	3	1.19	3	84.83	1	33.37	4	8.22	14	3.73	23
Deltapine DP448B	1072	19	37.71	22	8.94	21	1.13	11	83.90	14	29.55	21	8.03	21	4.04	21
Deltapine DP 449BG/RR	1052	20	38.94	15	9.06	18	1.11	19	83.84	15	32.56	8	8.33	13	4.15	19
Deltapine DP 458B/RR	1024	21	38.17	20	9.01	20	1.12	15	83.75	17	31.74	13	8.69	8	4.32	13
Stoneville ST 5222B2	991	22	36.81	23	9.85	6	1.12	17	84.43	7	33.51	3	8.53	12	4.48	5
Deltapine DP 5415RR	989	23	38.57	19	9.02	19	1.11	18	83.80	16	30.98	16	9.00	3	4.38	10

Mean	1150		39.55		9.48		1.13		84.07		31.80		8.47		4.30	
LSD (.10)	37		0.56		0.42		0.01		0.35		0.60		0.15		0.12	
CV(%)	8.57		2.84		9.01		1.71		0.84		3.78		3.48		5.54	
R-SQUARE	0.92		0.82		0.66		0.86		0.71		0.87		0.86		0.82	
REPS	39		22		22		22		22		22		22		22	

Shaded values not significantly different from highest value.

†Least squared means

Table 41. Lint Yields (Mean[†]) in the Hill Region Mid-Maturity Test, 2003 Mississippi Cotton Variety Trials.

NAME	Brooksville		Claiborne		Durant		Holly Springs		MSU		Nesbit		Verona		Hill Region	
	lb/A	Rank	lb/A	Rank	lb/A	Rank	lb/A	Rank	lb/A	Rank	lb/A	Rank	lb/A	Rank	lb/A	Rank
Stoneville ST 5242BR	1476	1	1842	2	1350	1	1106	1	1097	1	1803	1	1758	2	1490	1
Stoneville ST 5599BR	1231	2	1671		1157	3	927	9	1071	2	1424	3	1833	1	1331	2
Deltapine DP 488BG/RR	1189	3	1789	3	1149	6	966	3	975	7	1525	2	1517	9	1301	3
Deltapine DP 493	1110	9	1936	1	1122	7	1009	2	961	8	1339	6	1623	5	1300	4
PhytoGen PSC 355	1144	7	1708	5	1251	2	956	5	848	12	1264	9	1553	6	1246	5
BCG 28R	1170	6	1590	11	1156	4	944	6	1002	4	1312	8	1432	15	1229	6
FiberMax FM 989BR	1178	4	1514	14	977	9	852	16	992	6	1325	7	1511	11	1193	7
Deltapine DP 494RR	1057	13	1708	6	912	15	927	8	796	17	1249	10	1672	3	1189	8
Stoneville ST 5303R	1128	8	1483	15	964	11	920	10	810	14	1350	4	1544	7	1171	9
OAX-301R	1172	5	1580	12	919	14	807	19	1029	3	1122	18	1542	8	1167	10
Sure-Grow SG 747	1071	10	1655	7	892	16	957	4	754	23	1173	15	1639	4	1163	11
Deltapine DP 491	1059	12	1733	4	969	10	898	12	924	9	1003	22	1511	10	1157	12
Deltapine DP 555BG/RR	946	21	1611	9	929	12	761	22	913	10	1347	5	1469	13	1139	13
FiberMax FM 991BR	1019	16	1595	10	775	20	891	14	995	5	1157	17	1441	14	1125	14
DeltaPEARL	999	18	1532	13	1030	8	817	17	831	13	1069	20	1509	12	1112	15
DPLX 02X25R	983	19	1477	17	756	22	870	15	802	15	1242	11	1406	16	1077	16
BCG 24R	1046	15	1384	20	859	17	932	7	766	18	1171	16	1369	17	1075	17
FiberMax FM 800BR	1063	11	1349	21	1151	5	773	21	755	21	1223	12	1204	22	1074	18
Deltapine DP448B	1052	14	1480	16	839	18	895	13	851	11	1036	21	1350	19	1072	19
Deltapine DP 449BG/RR	956	20	1627	8	710	23	904	11	759	19	1209	14	1199	23	1052	20
Deltapine DP 458B/RR	869	22	1390	19	788	19	798	20	758	20	1216	13	1350	18	1024	21
Stoneville ST 5222B2	1016	17	1317	22	924	13	651	23	797	16	978	23	1254	21	991	22
Deltapine DP 5415RR	819	23	1419	18	764	21	808	18	754	22	1096	19	1263	20	989	23

Mean	1076	1582	971	886	880	1245	1477	1150
LSD (.10)	140	59	102	39	122	75	130	37
CV(%)	13.61	3.88	10.99	4.61	13.14	6.26	7.41	8.57
R-SQUARE	0.58	0.90	0.77	0.89	0.68	0.87	0.80	0.92
REPS	6	6	6	6	5	6	4	39

Shaded values not significantly different from highest value.

†Least squared means.

Table 42. Brooksville, MS location of the Hill Region Mid-Maturity Test in the 2003 Mississippi Cotton Variety Trial grown on a Brooksville Silty Clay Soil.

NAME	Lint Yield		Lint Percent		Seed Index		Length (UHM)		Uniformity Index		Strength (HVI)		Elongation		Micronaire	
	Ib/A	Rank	%	Rank	g	Rank	in	Rank	%	Rank	g/tex	Rank	EL	Rank	MIC	Rank
Stoneville ST 5242BR	1476	1	39.99	3	12.17	1	1.08	18	83.77	4	26.63	20	9.00	6	4.63	4
Stoneville ST 5599BR	1231	2	39.27	9	10.07	8	1.08	15	82.73	19	28.27	16	7.77	22	4.47	5
Deltapine DP 488BG/RR	1189	3	39.91	5	10.13	7	1.13	5	83.00	14	29.23	11	8.50	16	4.33	12
FiberMax FM 989BR	1178	4	38.38	17	9.93	11	1.13	2	83.23	10	29.53	8	8.27	17	3.97	23
OAX-301R	1172	5	38.46	14	9.77	12	1.07	22	83.87	2	25.57	22	9.03	4	4.40	7
BCG 28R	1170	6	38.74	13	10.77	4	1.10	8	82.23	23	27.43	18	8.10	21	4.40	9
PhytoGen PSC 355	1144	7	37.92	21	9.30	15	1.08	16	83.80	3	28.60	14	9.00	5	4.83	1
Stoneville ST 5303R	1128	8	38.41	16	9.50	14	1.07	21	83.47	6	31.93	3	8.83	10	4.40	8
Deltapine DP 493	1110	9	41.95	1	8.87	17	1.11	7	83.00	15	28.80	13	8.73	13	4.73	2
Sure-Grow SG 747	1071	10	39.53	6	9.53	13	1.08	13	83.73	5	25.03	23	8.90	8	4.67	3
FiberMax FM 800BR	1063	11	39.09	11	10.97	2	1.13	6	83.20	12	32.00	2	8.63	15	4.07	22
Deltapine DP 491	1059	12	39.39	7	9.97	10	1.17	1	82.83	17	30.33	6	8.17	18	4.23	18
Deltapine DP 494RR	1057	13	39.35	8	9.00	16	1.13	3	83.23	11	30.83	5	8.93	7	4.33	11
Deltapine DP 448B	1052	14	38.08	19	8.40	21	1.09	12	82.93	16	25.63	21	7.53	23	4.27	16
BCG 24R	1046	15	38.42	15	10.23	6	1.07	19	82.80	18	27.73	17	9.20	2	4.43	6
FiberMax FM 991BR	1019	16	38.83	12	10.43	5	1.10	9	82.43	22	32.07	1	8.63	14	4.30	14
Stoneville ST 5222B2	1016	17	36.71	23	10.80	3	1.09	11	83.90	1	30.90	4	8.83	11	4.37	10
DeltaPEARL	999	18	39.13	10	8.70	20	1.13	4	83.37	8	29.43	9	8.10	19	4.33	13
DPLX 02X25R	983	19	39.96	4	7.93	22	1.08	17	83.07	13	29.30	10	8.87	9	4.27	15
Deltapine DP 449BG/RR	956	20	38.16	18	8.87	18	1.06	23	83.33	9	30.17	7	8.83	12	4.13	21
Deltapine DP 555BG/RR	946	21	40.63	2	7.77	23	1.07	20	82.73	20	28.40	15	8.10	20	4.20	20
Deltapine DP 458B/RR	869	22	37.94	20	10.03	9	1.10	10	82.63	21	29.17	12	9.20	1	4.27	17
Deltapine DP 5415RR	819	23	37.15	22	8.73	19	1.08	14	83.40	7	27.37	19	9.17	3	4.20	19

Mean	1076		38.93		9.65		1.10		83.16		28.89		8.62		4.36	
LSD (.10)	140		1.04		0.97		0.03		1.02		1.70		0.36		0.31	
CV(%)	13.61		1.95		7.30		2.14		0.90		4.29		3.07		5.15	
R-SQUARE	0.58		0.79		0.78		0.72		0.50		0.82		0.84		0.64	
REPS	6		3		3		3		3		3		3		3	

Shaded values not significantly different from highest value.

Planted: May 28, 2003

Harvested: October 7, 2003

Table 43. Claiborne County, MS location of the Hill Region Mid-Maturity Test in the 2003 Mississippi Cotton Variety Trial grown on a Memphis Silt Loam Soil.

NAME	Lint Yield		Lint Percent		Seed Index		Length (UHM)		Uniformity Index		Strength (HVI)		Elongation		Micronaire	
	lb/A	Rank	%	Rank	g	Rank	in	Rank	%	Rank	g/tex	Rank	EL	Rank	MIC	Rank
Deltapine DP 493	1936	1	43.53	1	8.70	21	1.11	15	82.73	23	31.30	16	7.60	20	4.87	5
Stoneville ST 5242BR	1842	2	40.47	4	9.87	9	1.10	19	83.93	13	28.77	23	7.97	11	4.37	21
Deltapine DP 488BG/RR	1789	3	40.01	6	9.90	7	1.20	1	85.23	1	31.77	12	7.90	12	4.47	18
Deltapine DP 491	1733	4	40.54	3	9.83	10	1.19	2	84.13	10	33.23	6	7.83	14	4.63	11
PhytoGen 'PSC 355	1708	5	39.36	10	9.93	6	1.10	17	84.90	5	32.90	8	9.27	1	5.17	1
Deltapine DP 494RR	1708	6	40.13	5	10.20	4	1.16	6	83.40	19	33.80	5	7.97	10	4.53	15
Stoneville ST 5599BR	1671	7	39.36	9	10.57	1	1.16	5	85.00	3	31.50	14	7.83	16	4.43	20
Sure-Grow SG 747	1655	8	39.90	7	9.63	12	1.13	8	85.10	2	29.43	22	8.43	6	5.03	2
Deltapine DP 449BG/RR	1627	9	38.83	13	9.90	8	1.10	18	84.07	11	32.97	7	7.77	17	4.70	9
Deltapine DP 555BG/RR	1611	10	41.40	2	8.53	22	1.13	9	83.37	20	29.60	21	7.33	22	4.47	19
FiberMax FM 991BR	1595	11	37.72	18	9.50	15	1.11	16	83.63	16	35.40	1	8.17	7	4.73	7
BCG 28R	1590	12	39.40	8	8.97	20	1.12	10	83.57	18	31.10	18	7.83	15	5.00	3
OAX-301R	1580	13	37.49	19	9.60	13	1.10	20	84.80	6	31.17	17	8.93	2	4.63	10
DeltaPEARL	1532	14	39.17	11	9.63	11	1.16	4	83.67	15	30.80	20	7.20	23	4.50	16
FiberMax FM 989BR	1514	15	36.55	22	9.97	5	1.11	13	83.33	21	32.60	9	7.57	21	4.27	22
Stoneville ST 5303R	1483	16	38.18	16	10.47	3	1.09	22	84.37	9	34.03	3	8.10	8	4.47	17
Deltapine DP 448B	1480	17	37.42	20	9.53	14	1.12	11	83.70	14	30.83	19	7.90	13	4.60	13
DPLX 02X25R	1477	18	39.04	12	9.37	17	1.13	7	84.97	4	33.90	4	8.50	5	4.70	8
Deltapine DP 5415RR	1419	19	38.32	15	9.23	18	1.11	14	83.93	12	31.77	13	8.57	4	4.80	6
Deltapine DP 458B/RR	1390	20	37.36	21	6.47	23	1.08	23	83.03	22	32.27	11	7.77	18	4.60	14
BCG 24R	1384	21	38.10	17	9.17	19	1.09	21	83.63	17	31.40	15	8.73	3	4.60	12
FiberMax FM 800BR	1349	22	38.42	14	10.50	2	1.18	3	84.57	7	32.43	10	7.77	19	3.67	23
Stoneville ST 5222B2	1317	23	36.36	23	9.47	16	1.12	12	84.47	8	34.77	2	8.03	9	4.87	4

Mean	1582		39.00		9.52		1.13		84.07		32.08		8.04		4.61	
LSD (.10)	59		1.43		1.71		0.02		0.87		1.39		0.35		0.28	
CV(%)	3.88		2.67		13.08		1.53		0.75		3.16		3.19		4.47	
R-SQUARE	0.90		0.81		0.43		0.86		0.66		0.83		0.85		0.77	
REPS	6		3		3		3		3		3		3		3	

Shaded values not significantly different from highest value.

Planted: April 28, 2003

Harvested: October 1, 2003

Table 44. Durant, MS location of the Hill Region Mid-Maturity Test in the 2003 Mississippi Cotton Variety Trial grown on an Oaklimer Silty Loam Soil.

NAME	Lint Yield		Lint Percent		Seed Index		Length (UHM)		Uniformity Index		Strength (HVI)		Elongation		Micronaire	
	lb/A	Rank	%	Rank	g	Rank	in	Rank	%	Rank	g/tex	Rank	EL	Rank	MIC	Rank
Stoneville ST 5242BR	1350	1	41.95	3	12.27	1	1.14	13	84.67	12	29.07	21	9.23	9	4.63	8
PhytoGen PSC 355	1251	2	40.15	10	10.47	11	1.16	8	85.60	5	30.83	12	10.00	2	4.90	1
Stoneville ST 5599BR	1157	3	42.21	2	10.63	6	1.15	10	85.10	8	30.00	16	8.20	23	4.60	9
BCG 28R	1156	4	40.88	7	10.47	10	1.14	11	84.60	14	30.83	13	8.93	15	4.77	2
FiberMax FM 800BR	1151	5	40.90	6	10.63	7	1.23	2	86.23	2	34.03	2	9.13	11	3.97	23
Deltapine DP 488BG/RR	1149	6	40.61	8	10.53	9	1.24	1	86.80	1	32.23	7	8.70	18	4.13	20
Deltapine DP 493	1122	7	44.65	1	9.43	20	1.17	6	84.63	13	32.57	4	8.87	16	4.73	4
DeltaPEARL	1030	8	41.62	4	10.70	5	1.20	5	85.07	9	30.60	15	8.67	20	4.57	12
FiberMax FM 989BR	977	9	38.97	13	10.97	2	1.12	19	83.63	22	31.03	11	8.70	19	4.37	16
Deltapine DP 491	969	10	41.34	5	9.47	18	1.23	3	85.63	4	32.53	5	8.63	21	4.10	22
Stoneville ST 5303R	964	11	38.76	14	10.37	14	1.10	22	84.50	17	34.07	1	9.47	8	4.63	6
Deltapine DP 555BG/RR	929	12	40.29	9	8.87	23	1.17	7	85.13	6	29.97	18	8.30	22	4.33	17
Stoneville ST 5222B2	924	13	36.31	23	10.77	3	1.16	9	85.10	7	32.50	6	9.03	14	4.57	11
OAX-301R	919	14	37.15	21	10.77	4	1.09	23	84.13	20	27.37	23	9.80	3	4.63	7
Deltapine DP 494RR	912	15	39.82	11	10.63	8	1.22	4	85.90	3	32.83	3	9.13	12	4.27	18
Sure-Grow SG 747	892	16	38.26	18	10.43	12	1.13	18	84.60	15	27.43	22	9.20	10	4.47	13
BCG 24R	859	17	38.27	17	9.30	21	1.11	21	82.97	23	29.77	19	9.67	7	4.57	10
Deltapine DP 448B	839	18	36.60	22	9.93	16	1.14	14	84.80	11	29.10	20	8.87	17	4.10	21
Deltapine DP 458B/RR	788	19	38.23	19	10.43	13	1.13	16	84.53	16	31.83	10	9.67	6	4.73	3
FiberMax FM 991BR	775	20	38.40	16	9.93	15	1.12	20	83.90	21	32.17	8	9.67	5	4.43	14
Deltapine DP 5415RR	764	21	38.66	15	9.57	17	1.13	17	84.43	18	29.97	17	9.73	4	4.67	5
DPLX 02X25R	756	22	39.65	12	9.17	22	1.14	12	84.37	19	32.00	9	10.00	1	4.37	15
Deltapine DP 449BG/RR	710	23	37.69	20	9.47	19	1.14	15	85.03	10	30.73	14	9.13	13	4.20	19

Mean	971	39.62	10.23	1.16	84.84	31.02	9.16	4.47
LSD (.10)	102	1.86	0.99	0.02	0.91	1.48	0.45	0.27
CV(%)	10.99	3.43	7.07	1.53	0.79	3.47	3.60	4.47
R-SQUARE	0.77	0.77	0.62	0.90	0.73	0.91	0.80	0.71
REPS	6	3	3	3	3	3	3	3

Shaded values not significantly different from highest value.

Planted: May 30, 2003

Harvested: November 1, 2003

Table 45. Holly Springs, MS location of the Hill Region Mid-Maturity Test in the 2003 Mississippi Cotton Variety Trial grown on a Grenada Silt Loam Soil.

NAME	Lint Yield		Lint Percent		Seed Index		Length (UHM)		Uniformity Index		Strength (HVI)		Elongation		Micronaire	
	Ib/A	Rank	%	Rank	g	Rank	in	Rank	%	Rank	g/tex	Rank	EL	Rank	MIC	Rank
Stoneville ST 5242BR	1106	1	40.76	1	10.63	2	1.09	21	85.20	6	30.97	18	8.70	5	4.33	7
Deltapine DP 493	1009	2	40.67	2	10.27	4	1.11	14	84.50	17	32.97	14	7.77	21	4.17	15
Deltapine DP 488BG/RR	966	3	38.90	8	9.67	9	1.19	1	85.53	2	32.97	13	8.17	13	4.37	6
Sure-Grow SG 747	957	4	38.81	9	9.57	11	1.12	13	85.17	7	28.40	23	8.60	8	4.43	5
PhytoGen PSC 355	956	5	39.34	6	9.87	6	1.12	11	85.30	4	34.17	6	9.53	1	4.53	2
BCG 28R	944	6	38.11	14	9.73	8	1.13	10	83.83	22	30.47	21	8.03	14	4.67	1
BCG 24R	932	7	37.55	17	10.00	5	1.09	20	84.20	21	30.77	20	8.50	10	4.03	17
Deltapine DP 494RR	927	8	39.76	4	9.40	13	1.16	4	85.23	5	35.43	3	8.80	4	4.43	4
Stoneville ST 5599BR	927	9	40.45	3	11.67	1	1.13	8	84.53	16	33.00	12	7.97	17	4.20	11
Stoneville ST 5303R	920	10	38.78	10	9.50	12	1.07	23	85.07	8	36.90	1	8.67	6	4.17	14
Deltapine DP 449BG/RR	904	11	38.04	15	8.73	21	1.11	17	84.40	18	35.20	4	8.23	12	3.97	20
Deltapine DP 491	898	12	39.40	5	9.17	17	1.19	2	84.93	9	33.27	10	7.97	16	3.97	19
Deltapine DP448B	895	13	37.14	21	9.23	15	1.13	7	84.80	13	29.70	22	7.90	19	3.90	21
FiberMax FM 991BR	891	14	38.32	12	9.27	14	1.13	9	85.30	3	35.90	2	8.37	11	4.23	9
DPLX 02X25R	870	15	39.18	7	8.97	19	1.11	16	84.90	10	34.40	5	8.63	7	4.47	3
FiberMax FM 989BR	852	16	37.42	18	9.60	10	1.11	15	84.30	20	33.53	9	7.97	15	3.83	22
DeltaPEARL	817	17	37.18	20	8.80	20	1.15	5	84.33	19	34.03	7	7.83	20	4.20	12
Deltapine DP 5415RR	808	18	37.93	16	8.73	22	1.10	19	84.73	15	32.07	15	8.87	3	4.17	13
OAX-301R	807	19	36.67	22	9.17	18	1.08	22	84.83	11	30.77	19	8.90	2	4.10	16
Deltapine DP 458B/RR	798	20	37.32	19	9.20	16	1.14	6	84.80	12	31.37	16	8.50	9	4.20	10
FiberMax FM 800BR	773	21	38.19	13	10.37	3	1.17	3	85.87	1	33.23	11	7.63	22	3.80	23
Deltapine DP 555BG/RR	761	22	38.35	11	8.33	23	1.11	18	83.50	23	31.00	17	7.60	23	4.00	18
Stoneville ST 5222B2	651	23	34.23	23	9.80	7	1.12	12	84.80	14	33.93	8	7.90	18	4.27	8

Mean	886	38.37	9.55	1.12	84.79	32.80	8.31	4.19
LSD (.10)	39	1.93	0.98	0.02	0.96	1.71	0.40	0.25
CV(%)	4.61	3.67	7.45	1.54	0.83	3.81	3.53	4.37
R-SQUARE	0.89	0.62	0.66	0.84	0.60	0.81	0.81	0.75
REPS	6	3	3	3	3	3	3	3

Shaded values not significantly different from highest value.

Planted: April 30, 2003

Harvested: October 15, 2003

Table 46. Mississippi State, MS location of the Hill Region Mid-Maturity Test in the 2003 Mississippi Cotton Variety Trial grown on a Marietta Silt Loam Soil.

NAME	Lint Yield		Lint Percent		Seed Index		Length (UHM)		Uniformity Index		Strength (HVI)		Elongation		Micronaire	
	lb/A	Rank	%	Rank	g	Rank	in	Rank	%	Rank	g/tex	Rank	EL	Rank	MIC	Rank
Stoneville ST 5242BR	1097	1	42.59	6	10.27	1	1.10	20	83.70	12	32.17	23	8.37	11	4.20	18
Stoneville ST 5599BR	1071	2	41.89	8	9.63	3	1.14	7	83.17	21	33.57	16	8.03	15	4.63	6
OAX-301R	1029	3	39.43	21	9.30	7	1.11	17	84.10	6	33.10	18	8.87	3	4.37	12
BCG 28R	1002	4	41.23	11	8.50	19	1.15	6	83.17	20	32.87	19	7.77	20	4.70	3
FiberMax FM 991BR	995	5	39.92	17	8.47	20	1.12	12	83.53	13	37.00	1	8.37	10	4.57	8
FiberMax FM 989BR	992	6	40.43	15	8.93	11	1.12	11	83.80	11	34.17	13	8.10	13	4.17	20
Deltapine DP 488BG/RR	975	7	41.91	7	9.60	4	1.17	4	83.33	17	34.57	10	8.03	14	4.50	10
Deltapine DP 493	961	8	42.87	3	8.80	13	1.11	18	82.87	22	33.83	14	7.83	18	4.57	9
Deltapine DP 491	924	9	42.73	4	9.67	2	1.20	1	84.00	9	35.90	3	7.77	19	4.07	22
Deltapine DP 555BG/RR	913	10	44.04	1	8.30	21	1.11	16	82.67	23	32.40	22	7.37	23	4.20	19
Deltapine DP 448B	851	11	39.36	22	8.60	16	1.13	10	83.33	18	32.67	21	7.77	21	4.17	21
PhytoGen PSC 355	848	12	39.91	18	9.33	6	1.12	13	84.57	3	35.70	4	9.00	1	4.67	4
DeltaPEARL	831	13	41.07	12	8.00	23	1.17	5	83.47	14	33.20	17	7.57	22	4.37	15
Stoneville ST 5303R	810	14	40.57	13	9.13	8	1.10	21	84.47	5	34.50	12	8.53	7	4.37	13
DPLX 02X25R	802	15	43.60	2	8.10	22	1.14	8	84.57	2	35.37	5	8.57	5	4.63	5
Stoneville ST 5222B2	797	16	39.17	23	9.07	9	1.10	19	84.07	8	34.67	8	8.57	6	4.60	7
Deltapine DP 494RR	796	17	42.67	5	8.57	17	1.18	3	84.87	1	34.83	7	8.47	8	4.47	11
BCG 24R	766	18	39.59	20	8.53	18	1.10	22	83.83	10	33.67	15	8.43	9	4.23	17
Deltapine DP 449BG/RR	759	19	41.37	10	8.80	14	1.09	23	83.43	15	35.10	6	7.97	16	4.30	16
Deltapine DP 458B/RR	758	20	39.60	19	8.93	12	1.11	15	83.33	19	34.67	9	8.30	12	4.37	14
FiberMax FM 800BR	755	21	40.46	14	9.53	5	1.20	2	84.50	4	36.53	2	7.90	17	3.47	23
Deltapine DP 5415RR	754	22	39.94	16	8.80	15	1.13	9	83.40	16	34.57	11	8.93	2	4.73	2
Sure-Grow SG 747	754	23	41.60	9	9.00	10	1.12	14	84.07	7	32.67	20	8.87	4	4.83	1

Mean	880	41.13	8.95	1.13	83.75	34.25	8.23	4.40
LSD (.10)	122	1.41	0.95	0.03	1.16	1.96	0.43	0.37
CV(%)	13.14	2.49	7.73	1.79	1.01	4.17	3.77	6.05
R-SQUARE	0.68	0.79	0.53	0.81	0.49	0.56	0.77	0.65
REPS	5	3	3	3	3	3	3	3

Shaded values not significantly different from highest value.

Planted: May 14, 2003

Harvested: October 3, 2003

Table 47. Nesbit, MS location of the Hill Region Mid-Maturity Test in the 2003 Mississippi Cotton Variety Trial grown on a Collins Silt Loam Soil.

NAME	Lint Yield		Lint Percent		Seed Index		Length (UHM)		Uniformity Index		Strength (HVI)		Elongation		Micronaire	
	lb/A	Rank	%	Rank	g	Rank	in	Rank	%	Rank	g/tex	Rank	EL	Rank	MIC	Rank
Stoneville ST 5242BR	1803	1	43.36	2	10.33	8	1.09	23	84.33	12	29.33	21	8.67	10	4.60	9
Deltapine DP 488BG/RR	1525	2	42.80	4	9.60	15	1.18	4	84.17	16	33.27	5	8.23	15	4.43	14
Stoneville ST 5599BR	1424	3	41.33	11	10.43	6	1.16	6	84.33	11	31.13	16	8.37	13	4.73	4
Stoneville ST 5303R	1350	4	41.71	8	9.80	14	1.10	21	84.50	9	34.30	1	8.73	8	4.60	8
Deltapine DP 555BG/RR	1347	5	43.15	3	9.33	18	1.14	11	82.90	23	30.20	18	7.70	22	4.63	7
Deltapine DP 493	1339	6	45.30	1	9.37	17	1.13	16	83.40	22	32.03	10	8.23	16	4.93	3
FiberMax FM 989BR	1325	7	41.44	10	10.10	10	1.15	9	83.97	17	32.43	6	8.10	19	4.27	20
BCG 28R	1312	8	41.48	9	9.00	21	1.16	7	84.47	10	30.83	17	8.13	18	5.13	2
PhytoGen PSC 355	1264	9	40.55	16	11.37	1	1.12	17	84.90	2	32.37	8	9.47	1	5.20	1
Deltapine DP 494RR	1249	10	42.50	6	9.27	19	1.18	5	84.73	5	32.10	9	8.73	9	4.53	10
DPLX 02X25R	1242	11	42.70	5	10.50	3	1.14	14	84.30	13	33.63	3	8.90	4	4.40	15
FiberMax FM 80BR	1223	12	40.96	13	10.47	4	1.19	2	84.73	4	31.47	14	8.30	14	4.17	22
Deltapine DP 458B/RR	1216	13	39.76	21	9.23	20	1.16	8	84.57	6	31.93	11	8.77	7	4.27	19
Deltapine DP 449BG/RR	1209	14	40.27	19	9.43	16	1.14	15	83.87	19	31.70	13	8.10	20	4.27	21
Sure-Grow SG 747	1173	15	42.40	7	9.87	13	1.14	12	84.83	3	28.83	23	9.07	2	4.50	11
BCG 24R	1171	16	40.96	14	10.83	2	1.11	19	84.20	14	31.70	12	8.87	5	4.30	17
FiberMax FM 991BR	1157	17	40.24	20	8.40	23	1.14	13	83.97	18	34.23	2	8.57	11	4.50	12
OAX-301R	1122	18	40.32	18	10.47	5	1.09	22	84.20	15	29.87	20	9.00	3	4.67	5
Deltapine DP 5415RR	1096	19	40.53	17	10.27	9	1.12	18	83.60	20	29.93	19	8.83	6	4.47	13
DeltaPEARL	1069	20	40.73	15	10.37	7	1.19	3	83.47	21	31.30	15	7.63	23	4.67	6
Deltapine DP448B	1036	21	39.39	23	8.83	22	1.15	10	84.50	8	29.10	22	8.03	21	3.90	23
Deltapine DP 491	1003	22	41.00	12	9.93	12	1.24	1	85.97	1	32.40	7	8.17	17	4.30	18
Stoneville ST 5222B2	978	23	39.43	22	10.03	11	1.11	20	84.53	7	33.33	4	8.43	12	4.37	16

Mean	1245		41.40		9.88		1.15		84.28		31.63		8.48		4.51	
LSD (.10)	75		1.52		1.39		0.03		1.05		1.81		0.39		0.30	
CV(%)	6.26		2.68		10.22		1.80		0.90		4.16		3.36		4.91	
R-SQUARE	0.87		0.75		0.50		0.81		0.53		0.68		0.79		0.74	
REPS	6		3		3		3		3		3		3		3	

Shaded values not significantly different from highest value.

Planted: May 1, 2003

Harvested: October 27, 2003

Table 48. Verona, MS location of the Hill Region Mid-Maturity Test in the 2003 Mississippi Cotton Variety Trial grown on a Leeper Silty Clay Loam Soil.

NAME	Lint Yield		Lint Percent		Seed Index		Length (UHM)		Uniformity Index		Strength (HVI)		Elongation		Micronaire	
	lb/A	Rank	%	Rank	g	Rank	in	Rank	%	Rank	g/tex	Rank	EL	Rank	MIC	Rank
Stoneville ST 5599BR	1833	1	40.13	5	10.50	2	1.15	8	83.58	13	32.08	12	8.15	17	4.20	3
Stoneville ST 5242BR	1758	2	41.27	1	11.23	1	1.12	18	84.03	9	28.98	22	8.48	11	4.00	5
Deltapine DP 494RR	1672	3	40.32	4	9.20	6	1.20	3	84.90	2	33.70	5	8.63	10	3.63	14
Sure-Grow SG 747	1639	4	38.91	10	9.68	5	1.14	10	84.40	4	28.65	23	8.83	7	3.95	7
Deltapine DP 493	1623	5	41.23	2	8.43	15	1.16	6	83.38	17	33.38	7	8.10	18	3.80	10
PhytoGen PSC 355	1553	6	39.64	8	8.95	8	1.13	16	84.20	5	32.78	8	9.35	1	4.25	2
Stoneville ST 5303R	1544	7	38.78	11	9.90	3	1.11	21	83.83	10	34.63	2	8.85	6	4.13	4
OAX-301R	1542	8	37.37	20	8.68	10	1.11	22	83.68	12	29.35	21	9.25	2	3.48	18
Deltapine DP 488BG/RR	1517	9	38.31	13	8.65	11	1.21	2	84.05	8	32.23	10	7.80	22	3.50	17
Deltapine DP 491	1511	10	40.01	6	8.50	12	1.21	1	85.03	1	33.40	6	8.35	13	3.60	15
FiberMax FM 989BR	1511	11	37.87	17	9.85	4	1.13	14	83.58	14	31.35	14	8.05	20	3.38	22
DeltaPEARL	1509	12	38.29	14	8.00	21	1.19	5	84.13	7	32.50	9	7.90	21	3.60	16
Deltapine DP 555BG/RR	1469	13	41.19	3	7.80	22	1.13	15	82.45	23	30.48	18	7.43	23	3.65	12
FiberMax FM 991BR	1441	14	37.93	16	8.35	17	1.15	7	83.45	15	35.05	1	8.45	12	3.78	11
BCG 28R	1432	15	38.37	12	8.48	14	1.15	9	83.43	16	30.48	17	8.10	19	3.98	6
DPLX 02X25R	1406	16	39.18	9	8.38	16	1.14	11	83.80	11	32.08	11	8.68	8	3.93	8
BCG 24R	1369	17	37.58	18	8.15	19	1.12	19	82.88	21	30.45	19	8.95	3	3.48	19
Deltapine DP 458B/RR	1350	18	36.97	21	8.78	9	1.14	12	83.38	18	30.95	16	8.65	9	3.83	9
Deltapine DP 448B	1350	19	36.00	22	8.05	20	1.13	17	83.23	19	29.80	20	8.18	15	3.38	21
Deltapine DP 5415RR	1263	20	37.50	19	7.78	23	1.12	20	83.08	20	31.23	15	8.90	4	3.63	13
Stoneville ST 5222B2	1254	21	35.43	23	9.03	7	1.13	13	84.18	6	34.45	3	8.88	5	4.33	1
FiberMax FM 800BR	1204	22	39.67	7	8.48	13	1.20	4	84.73	3	33.88	4	8.15	16	2.95	23
Deltapine DP 449BG/RR	1199	23	38.24	15	8.20	18	1.10	23	82.73	22	32.08	13	8.25	14	3.48	20

Mean	1477	38.70	8.83	1.14	83.74	31.91	8.45	3.73
LSD (.10)	130	1.26	0.91	0.02	0.73	1.28	0.37	0.36
CV(%)	7.41	2.76	8.78	1.65	0.74	3.40	3.66	8.16
R-SQUARE	0.80	0.75	0.65	0.82	0.65	0.80	0.77	0.62
REPS	4	4	4	4	4	4	4	4

Shaded values not significantly different from highest value.

Planted: May 28, 2003

Harvested: October 21, 2003