



Mississippi COTTON

VARIETY TRIALS, 2004



Experiment Station
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Mississippi Agricultural & Forestry Experiment Station

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NOTICE TO USER

This Mississippi Agricultural and Forestry Experiment Station information bulletin is a summary of research conducted under project number 171460 at at the Delta Research and Extension Center in Stoneville, Mississippi, and several other locations in the state. It is intended for the use of colleagues, cooperators, and sponsors. The interpretation of data presented herein may change after additional experimentation. Information included herein is not to be construed either as a recommendation for use or as an endorsement of a specific product by Mississippi State University or the Mississippi Agricultural and Forestry Experiment Station. Trade names of commercial products used in this report are included only for clarity and understanding. All available names (trade names, chemical names, experimental product code names or numbers, etc.) of products used in this research project are listed in the tables contained in this report.

2004 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:

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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 ginners, millers, and other sectors of the cotton industry. The varieties reported here were submitted by the cottonseed companies.

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

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.

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 37 varieties in the Delta and 30 in the Hill area of Mississippi. The Mid-maturity Cotton Variety Test was comprised of 26 varieties in the Delta and 24 varieties in the Hills. PhytoGen PSC 355 and Stoneville 474 were included as “check” varieties in all trials.

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 excessive rains, the trial located at Tunica was not harvested for yield. Boll samples, however, were collected at the Tunica location for determination of fiber quality.

Early-Maturity and Mid-season Tests were conducted at seven Hill locations: Mississippi State, Brooksville, Durant, Holly Springs, Desoto County, Raymond, and Verona.

All tests were planted solid in 38- or 40-inch rows. Experimental design for each trial consisted of a randomized complete block with 4-6 replications. 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 percentage, 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 3-4 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.

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.

Anyone may obtain online 2004 weather data from several weather stations across Mississippi from: <http://www.deltaweather.msstate.edu/>

List of table numbers and titles for results of the 2004 Mississippi State University Cotton Variety Trials.	
Table 1	Averages for lint yield and fiber quality traits over three years (2002-2004) in the Delta Region Early Maturity Mississippi State University Cotton Variety Trials.
Table 2	Averages for lint yield and fiber quality traits over two years (2003-2004) in the Delta Region Early Maturity Mississippi State University Cotton Variety Trials.
Table 3	2004 Mississippi State University Delta Early Maturity Cotton Variety Trial - Yield, Loan Value, and Per Acre Returns
Table 4	Averages [†] for lint yield and fiber quality traits over locations in the Delta Region Early Maturity Test in the 2004 Mississippi State University Cotton Variety Trials.
Table 5	Average [†] lint yield for each location in the Delta Region Early Maturity Test in the 2004 Mississippi State University Cotton Variety Trials.
Table 6	Stoneville, MS location of the Delta Region Early Maturity Test in the 2004 Mississippi State University Cotton Variety Trial grown on a Bosket Very Fine Sandy Loam Soil.
Table 7	Clarksdale, MS location of the Delta Region Early Maturity Test in the 2004 Mississippi State University Cotton Variety Trial grown on a Dubbs Soil.
Table 8	Rolling Fork, MS location of the Delta Region Early Maturity Test in the 2004 Mississippi State University Cotton Variety Trial grown on a Commerce Very Fine Sandy Loam Soil.
Table 9	Tribbett, MS location of the Delta Region Early Maturity Test in the 2004 Mississippi State University Cotton Variety Trial grown on a Forestdale-like Silty Clay Loam Soil.
Table 10	Tunica, MS (fiber only [†]) location of the Delta Region Early Maturity Test in the 2004 Mississippi State Univ. Cotton Variety Trial grown on a Sandy Loam Soil.
Table 11	Averages for lint yield and fiber quality traits over three years (2002-2004) in the Delta Region Mid Maturity Mississippi State University Cotton Variety Trials.
Table 12	Averages for lint yield and fiber quality traits over two years (2003-2004) in the Delta Region Mid Maturity Mississippi State University Cotton Variety Trials.
Table 13	2004 Mississippi State University Delta Mid Maturity Cotton Variety Trial - Yield, Loan Value, and Per Acre Returns
Table 14	Averages [†] for lint yield and fiber quality traits over locations in the Delta Region Mid Maturity Test in the 2004 Mississippi State University Cotton Variety Trials.
Table 15	Average [†] lint yield for each location in the Delta Region Mid Maturity Test in the 2004 Mississippi State University Cotton Variety Trials.
Table 16	Stoneville, MS location of the Delta Region Mid Maturity Test in the 2004 Mississippi State University Cotton Variety Trial grown on a Bosket Very Fine Sandy Loam Soil.
Table 17	Clarksdale, MS location of the Delta Region Mid Maturity Test in the 2004 Mississippi State University Cotton Variety Trial grown on a Dubbs Soil.
Table 18	Rolling Fork, MS location of the Delta Region Mid Maturity Test in the 2004 Mississippi State University Cotton Variety Trial grown on a Commerce Very Fine Sandy Loam Soil.
Table 19	Tribbett, MS location of the Delta Region Mid Maturity Test in the 2004 Mississippi State University Cotton Variety Trial grown on a Forestdale-like Silty Clay Loam Soil.
Table 20	Tunica, MS location (fiber only [†]) of the Delta Region Mid Maturity Test in the 2004 Mississippi State Univ. Cotton Variety Trial grown on a Sandy Loam Soil.
Table 21	Averages for lint yield and fiber quality traits over three years (2002-2004) in the Hill Region Early Maturity Mississippi State University Cotton Variety Trials.
Table 22	Averages for lint yield and fiber quality traits over two years (2003-2004) in the Hill Region Early Maturity Mississippi State University Cotton Variety Trials.
Table 23	2004 Mississippi State University Hill Early Maturity Cotton Variety Trial - Yield, Loan Value, and Per Acre Returns
Table 24	Averages [†] for lint yield and fiber quality traits over locations in the Hill Region Early Maturity Test in the 2004 Mississippi State University Cotton Variety Trials.
Table 25	Average [†] lint yield for each location in the Hill Region Early Maturity Test in the 2004 Mississippi State University Cotton Variety Trials.
Table 26	Mississippi State, MS location of the Hill Region Early Maturity Test in the 2004 Mississippi State University Cotton Variety Trial grown on a Marietta Silt Loam Soil.
Table 27	Brooksville, MS location of the Hill Region Early Maturity Test in the 2004 Mississippi State University Cotton Variety Trial grown on a Brooksville Silty Clay Soil.
Table 28	Holly Springs, MS location of the Hill Region Early Maturity Test in the 2004 Mississippi State University Cotton Variety Trial grown on a Grenada Silt Loam Soil.
Table 29	Verona, MS location of the Hill Region Early Maturity Test in the 2004 Mississippi State University Cotton Variety Trial grown on a Leeper Fine Sandy Loam Soil.
Table 30	Durant, MS location of the Hill Region Early Maturity Test in the 2004 Mississippi State University Cotton Variety Trial grown on an Oaklinter Silty Loam Soil.
Table 31	Raymond, MS location of the Hill Region Early Maturity Test in the 2004 Mississippi State University Cotton Variety Trial grown on a Loring Silt Loam Soil.
Table 32	Desoto Co., MS location of the Hill Region Early Maturity Test in the 2004 Mississippi State University Cotton Variety Trial grown on a Collins Silt Loam Soil.
Table 33	Averages for lint yield and fiber quality traits over three years (2002-2004) in the Hill Region Mid Maturity Mississippi State University Cotton Variety Trials.
Table 34	Averages for lint yield and fiber quality traits over two years (2003-2004) in the Hill Region Mid Maturity Mississippi State University Cotton Variety Trials.
Table 35	2004 Mississippi State University Hill Mid Maturity Cotton Variety Trial - Yield, Loan Value, and Per Acre Returns
Table 36	Averages [†] for lint yield and fiber quality traits over locations in the Hill Region Mid Maturity Test in the 2004 Mississippi State University Cotton Variety Trials.
Table 37	Average [†] lint yield for each location in the Hill Region Mid Maturity Test in the 2004 Mississippi State University Cotton Variety Trials.
Table 38	Mississippi State, MS location of the Hill Region Mid Maturity Test in the 2004 Mississippi State University Cotton Variety Trial grown on a Marietta Silt Loam Soil.
Table 39	Brooksville, MS location of the Hill Region Mid Maturity Test in the 2004 Mississippi State University Cotton Variety Trial grown on a Brooksville Silty Clay Soil.
Table 40	Holly Springs, MS location of the Hill Region Mid Maturity Test in the 2004 Mississippi State University Cotton Variety Trial grown on a Grenada Silt Loam Soil.
Table 41	Verona, MS location of the Hill Region Mid Maturity Test in the 2004 Mississippi State University Cotton Variety Trial grown on a Leeper Fine Sandy Loam Soil.
Table 42	Durant, MS location of the Hill Region Mid Maturity Test in the 2004 Mississippi State University Cotton Variety Trial grown on an Oaklinter Silty Loam Soil.
Table 43	Raymond, MS location of the Hill Region Mid Maturity Test in the 2004 Mississippi State University Cotton Variety Trial grown on a Loring Silt Loam Soil.
Table 44	Desoto Co., MS location of the Hill Region Mid Maturity Test in the 2004 Mississippi State University Cotton Variety Trial grown on a Collins Silt Loam Soil.

Table 1. Averages for lint yield and fiber quality traits over three years (2002-2004) in the Delta Region Early Maturity Mississippi State University Cotton Variety Trials.

NAME	Lint Yield	Lint Percent	Seed Index [†]	Boll Size	Length	Uniformity Index	Strength	Elongation	Micronaire
	-lbs/ac-	-%-	-g-	-g-	-inch-	-%-	-g/tex-	-%-	-mic-
ST 4892BR	1441	39.99	10.51	5.55	1.10	84.12	30.80	8.26	4.89
PM 1218 BG/RR	1390	39.42	11.02	5.85	1.09	83.79	28.53	8.03	4.95
SG 747	1338	39.77	10.24	5.38	1.12	84.33	27.93	8.38	4.96
ST 4793R	1335	39.79	10.35	5.20	1.10	84.04	30.59	8.32	4.92
SG 215 BG/RR	1331	38.26	10.18	5.56	1.09	84.11	27.79	8.45	4.77
PSC 355	1328	38.89	10.12	5.22	1.12	84.45	31.57	8.86	4.98
SG 521 R	1291	38.64	10.16	5.49	1.09	84.04	28.80	8.53	4.70
DES 816	1274	37.81	10.54	5.66	1.12	84.12	31.95	8.36	4.72
SG 105	1263	38.72	10.32	5.29	1.14	84.74	31.01	8.38	4.88
DP 451 BG/RR	1248	35.59	10.44	5.43	1.13	84.17	28.58	7.88	4.70
DES 810	1245	36.83	10.01	4.86	1.10	83.92	30.87	8.37	4.55
DP 436 RR	1168	35.17	10.52	5.60	1.14	84.28	27.51	8.21	4.69
Mean	1304	38.24	10.37	5.42	1.11	84.18	29.66	8.34	4.81

[†]Two years only (2002 & 2004)

Table 2. Averages for lint yield and fiber quality traits over two years (2003-2004) in the Delta Region Early Maturity Mississippi State University Cotton Variety Trials.

NAME	Lint Yield	Lint Percent	Seed Index [†]	Boll Size	Length	Uniformity Index	Strength	Elongation	Micronaire
	-lbs/ac-	-%-	-g-	-g-	-inch-	-%-	-g/tex-	-%-	-mic-
OAX 303	1581	42.70	9.35	5.63	1.11	84.11	29.25	7.93	4.99
ST 4892BR	1534	40.68	10.54	5.92	1.11	84.00	30.70	8.17	4.94
DP 434 RR	1508	41.76	9.72	6.19	1.16	84.76	27.66	7.93	4.45
DP 444 BG/RR	1485	40.65	9.93	5.83	1.13	84.45	29.55	7.77	4.25
DP 432 RR	1484	40.05	9.49	5.71	1.12	84.35	30.55	8.55	4.82
DP 393	1482	40.19	10.14	5.87	1.16	85.18	31.64	8.76	4.69
FM 960 BR	1478	39.11	10.85	6.26	1.12	84.25	35.68	7.80	4.57
PM 1218 BG/RR	1476	39.85	10.94	6.41	1.09	83.80	28.49	7.94	4.90
ST 4793R	1430	40.28	10.33	5.88	1.10	83.98	30.42	8.22	4.92
PSC 355	1425	39.46	9.98	5.81	1.12	84.40	31.62	8.79	4.96
SG 747	1407	40.41	10.26	5.97	1.13	84.49	27.93	8.33	4.95
BCG 28 R	1401	40.58	9.14	5.24	1.13	83.74	29.37	7.64	5.00
SG 215 BG/RR	1400	38.98	10.24	6.11	1.09	84.13	27.71	8.39	4.81
FM 966 LL	1395	39.58	11.59	6.16	1.13	84.26	35.76	7.72	4.75
PHY 410 RR	1391	38.89	10.51	5.36	1.14	84.85	30.93	8.68	4.69
SG 521 R	1391	39.49	10.36	6.31	1.10	84.21	28.97	8.53	4.73
DES 816	1379	38.45	10.54	5.85	1.12	83.97	31.66	8.30	4.71
DES 810	1377	37.64	9.94	5.28	1.10	83.85	30.48	8.32	4.51
SG 105	1366	39.27	10.31	5.83	1.14	84.73	30.94	8.33	4.86
ST 4646B2R	1360	38.85	10.04	5.68	1.12	83.39	29.45	7.87	4.67
DP 451 BG/RR	1336	36.20	10.61	6.18	1.14	84.37	28.66	7.82	4.76
DP 449 BG/RR	1311	38.70	9.29	5.39	1.13	84.03	32.44	7.84	4.69
BCG 295	1296	37.57	10.55	6.17	1.18	84.53	31.89	7.81	4.57
DP 436 RR	1260	35.77	10.52	6.07	1.14	84.31	27.54	8.11	4.63
Mean	1415	39.38	10.22	5.88	1.12	84.26	30.39	8.15	4.74

[†]One year only (2004)

2004 Mississippi State University Cotton Variety Trials

Table 3. 2004 Mississippi State University Delta Early Maturity Cotton Variety Trial - Yield, Loan Value, and Per Acre Returns

Variety	Lint Yield	Lint Percent	Estimated Seed Yield	Loan Price [†]	Lint Value	Seed Value [‡]	Gross Return
	Lbs/Acre	%	Lbs/Acre	cents/lb	\$/Acre	\$/Acre	\$/Acre
DX 25105N	1993	42.22	3089	54.45	1085	124	1209
ST 5242BR	1866	41.13	2892	54.10	1009	116	1125
ST 5599BR	1858	40.15	2880	54.65	1016	115	1131
DP 432 RR	1834	40.65	2842	54.40	997	114	1111
OAX 303	1833	43.33	2842	50.45	925	114	1039
ST 4892BR	1831	41.37	2838	50.95	933	114	1047
ST 4575BR	1826	40.79	2830	54.45	994	113	1107
DP 434 RR	1782	42.09	2763	54.25	967	111	1078
DP 445 BG/RR	1767	41.27	2739	54.75	968	110	1078
ST 4686R	1762	40.06	2731	54.15	954	109	1063
PM 1218 BG/RR	1758	40.19	2725	50.15	882	109	991
DP 393	1757	40.45	2723	54.75	962	109	1071
DP 444 BG/RR	1752	41.74	2716	54.55	956	109	1065
FM 960 BR	1751	39.97	2714	54.75	959	109	1068
ST 4793R	1734	41.13	2687	50.95	883	107	990
FM 960 RR	1730	40.00	2682	54.85	949	107	1056
SG 521 R	1710	40.66	2651	53.80	920	106	1026
PHY 410 R	1692	39.61	2623	54.75	926	105	1031
SG 747	1680	40.90	2604	50.45	848	104	952
FM 958 LL	1677	40.46	2600	54.85	920	104	1024
PSC 355	1652	39.89	2561	51.05	843	102	945
ST 3636B2R	1652	39.72	2560	54.15	895	102	997
BCG 28 R	1646	40.92	2551	54.45	896	102	998
DP 455 BG/RR	1640	41.57	2542	54.65	896	102	998
SG 215 BG/RR	1640	39.36	2542	53.80	882	102	984
SG 105	1629	39.65	2525	54.75	892	101	993
FM 960 B2R	1620	39.31	2511	54.85	889	100	989
ST 4646B2R	1615	39.45	2504	54.30	877	100	977
FM 966 LL	1614	39.72	2502	54.85	885	100	985
DES 816	1614	38.83	2501	54.60	881	100	981
DP 451 BG/RR	1609	36.68	2493	54.25	873	100	973
DP 449 BG/RR	1608	39.65	2492	54.70	880	100	980
DES 810	1598	38.48	2477	54.60	873	99	972
DX 241203	1579	39.96	2447	54.75	864	98	962
BCG 295	1540	37.98	2387	54.85	845	95	940
DP 424 BGII/RR	1491	36.92	2312	54.20	808	92	900
DP 436 RR	1470	36.17	2278	54.15	796	91	887

[†]A color and leaf grad of 41-4 was assumed for all calculations

[‡]Estimates based upon a seed value of \$80 per ton

[†]**Loan Price** was determined by entering OVT fiber data into the **Cotton Loan 2004 Calculator**. The Loan Calculator was developed through funding from Cotton Incorporated by Dr. Larry Falconer, Texas A&M Corpus Christi. The values are based on **USDA** premium and discount schedules for cotton entering the **Commodity Credit Corporation (CCC)** loan program (US National Loan Rate is \$0.52 per lb of lint for standard fiber characteristics). The information presented presumes a **standard leaf and color grade** since this information is needed to calculate the values and is not available from OVT data. **Color and leaf grade different than standard grades might affect the results**. Value per Acre is simply the Loan Price multiplied by the lint yield per acre.

Table 4. Averages[†] for lint yield and fiber quality traits over locations in the Delta Region Early Maturity Test in the 2004 Mississippi State University Cotton Variety Trials.

NAME	Lint Yield		Lint Percent		Seed Index		Boll Size		Length		Uniformity Index		Strength		Elongation		Micronaire	
	-lbs/ac-	r	-%-	r	-g-	r	-g-	r	-inch-	r	-%-	r	-g/tex-	r	-%-	r	-mic-	r
DX 25105N	1993	1	42.22	2	10.30	27	6.33	4	1.16	16	84.79	20	29.85	24	8.17	12	4.87	12
ST 5242BR	1866	2	41.13	8	12.12	1	6.55	1	1.11	33	84.57	27	27.86	34	7.72	28	4.65	29
ST 5599BR	1858	3	40.15	18	11.17	5	6.27	6	1.16	13	84.55	28	32.18	9	7.75	25	4.84	13
DP 432 RR	1834	4	40.65	14	9.65	33	5.71	29	1.13	27	84.71	22	30.35	20	8.42	5	4.89	11
OAX 303	1833	5	43.33	1	9.59	34	5.63	31	1.13	28	84.70	23	29.48	26	7.83	22	5.04	4
ST 4892BR	1831	6	41.37	6	10.92	8	5.92	18	1.12	31	84.47	30	31.14	17	8.15	14	5.08	2
ST 4575BR	1826	7	40.79	12	10.31	26	6.15	12	1.14	22	84.87	19	30.09	22	8.61	3	4.75	18
DP 434 RR	1782	8	42.09	3	9.95	31	6.19	8	1.19	2	85.50	2	27.74	36	7.73	27	4.51	34
DP 445 BG/RR	1767	9	41.27	7	9.84	32	5.94	17	1.16	10	85.27	6	31.10	18	8.27	9	4.64	30
ST 4686R	1762	10	40.06	19	10.47	21	5.91	19	1.16	9	84.51	29	28.87	30	7.70	29	4.71	21
PM 1218 BG/RR	1758	11	40.19	17	10.98	6	6.41	2	1.10	37	84.20	36	28.69	31	7.82	23	5.04	5
DP 393	1757	12	40.45	16	10.32	25	5.87	21	1.17	5	85.61	1	31.75	13	8.57	4	4.68	25
DP 444 BG/RR	1752	13	41.74	4	10.01	30	5.83	24	1.15	18	85.21	7	30.13	21	7.65	31	4.32	35
FM 960 BR	1751	14	39.97	21	10.91	9	6.26	7	1.14	21	84.94	18	35.89	2	7.83	21	4.62	32
ST 4793R	1734	15	41.13	9	10.81	13	5.88	20	1.11	34	84.36	35	30.66	19	8.16	13	5.11	1
FM 960 RR	1730	16	40.00	20	11.71	4	6.37	3	1.17	6	85.09	10	33.63	5	7.40	36	4.31	37
SG 521 R	1710	17	40.66	13	10.37	23	6.31	5	1.11	35	84.62	25	29.09	28	8.39	6	4.79	17
PHY 410 R	1692	18	39.61	28	10.48	20	5.36	34	1.15	17	85.31	5	31.17	16	8.63	2	4.71	23
SG 747	1680	19	40.90	11	10.35	24	5.97	16	1.14	23	84.99	16	27.86	33	8.18	11	5.03	6
FM 958 LL	1677	20	40.46	15	10.86	11	5.83	23	1.16	8	85.05	13	34.31	3	7.74	26	4.83	14
PSC 355	1652	21	39.89	23	10.07	28	5.81	28	1.12	30	85.08	12	31.79	12	8.73	1	5.04	3
ST 3636B2R	1652	22	39.72	25	10.60	18	5.82	27	1.14	20	84.47	31	29.41	27	7.39	37	4.79	16
BCG 28 R	1646	23	40.92	10	9.14	37	5.24	37	1.15	19	84.44	33	29.92	23	7.53	33	4.93	7
DP 455 BG/RR	1640	24	41.57	5	9.21	36	5.35	35	1.16	7	84.59	26	32.21	8	7.43	35	4.31	36
SG 215 BG/RR	1640	25	39.36	30	10.50	19	6.11	13	1.10	36	84.70	24	27.71	37	8.31	8	4.92	9
SG 105	1629	26	39.65	27	10.67	17	5.83	25	1.16	12	85.39	3	31.43	14	8.37	7	4.93	8
FM 960 B2R	1620	27	39.31	31	11.93	2	6.03	15	1.20	1	85.09	9	34.13	4	7.44	34	4.80	15
ST 4646B2R	1615	28	39.45	29	10.39	22	5.68	30	1.13	29	83.94	37	29.77	25	7.88	20	4.90	10
FM 966 LL	1614	29	39.72	24	11.83	3	6.16	11	1.16	15	85.01	15	36.01	1	7.67	30	4.67	28
DES 816	1614	30	38.83	32	10.79	15	5.85	22	1.14	25	84.45	32	32.02	10	8.20	10	4.75	19
DP 451 BG/RR	1609	31	36.68	36	10.97	7	6.18	9	1.16	14	85.08	11	28.65	32	7.62	32	4.71	22
DP 449 BG/RR	1608	32	39.65	26	9.33	35	5.39	33	1.14	24	84.73	21	32.97	6	7.90	19	4.72	20
DES 810	1598	33	38.48	33	10.03	29	5.28	36	1.12	32	84.43	34	31.25	15	8.09	16	4.54	33
DX 241203	1579	34	39.96	22	10.79	14	5.82	26	1.18	4	85.31	4	32.00	11	7.93	18	4.63	31
BCG 295	1540	35	37.98	34	10.85	12	6.17	10	1.19	3	85.19	8	32.53	7	7.78	24	4.69	24
DP 424 BGII/RR	1491	36	36.92	35	10.71	16	5.57	32	1.13	26	85.03	14	28.95	29	8.11	15	4.67	26
DP 436 RR	1470	37	36.17	37	10.87	10	6.07	14	1.16	11	84.98	17	27.85	35	8.07	17	4.67	27
Mean	1699		40.06		10.53		5.92		1.15		84.84		30.82		7.98		4.76	
LSD (.10)	79		0.64		0.39		0.45		0.01		0.39		0.66		0.15		0.13	
CV(%)	0.95		2.67		6.08		12.59		1.72		0.76		3.55		3.09		4.55	
R-SQUARE	0.73		0.84		0.72		0.63		0.78		0.57		0.88		0.84		0.82	
REPS	23		15		15		15		15		15		15		15		15	
PR>F (Variety x loc)	0.001		0.001		0.050		0.390		0.100		0.050		0.010		0.010		0.250	

[†]Least square means.

Shaded values not significantly different from highest value.

Tunica location not harvested for yield due to excessive rains.

2004 Mississippi State University Cotton Variety Trials

 Table 5. Average[†] lint yield for each location in the Delta Region Early Maturity Test in the 2004 Mississippi State University Cotton Variety Trials.

NAME	TRIBBET LINT YIELD		STONEVILLE LINT YIELD		RFORK LINT YIELD		CLARKSDALE LINT YIELD		OVERLOC LINT YIELD	
	lbs/a	r	lbs/a	r	lbs/a	r	lbs/a	r	lbs/a	r
DX 25105N	1914	1	1869	1	2023	1	2166	8	1993	1
ST 5242BR	1606	10	1827	2	1785	10	2245	2	1866	2
ST 5599BR	1598	14	1791	4	1854	4	2190	5	1858	3
DP 432 RR	1599	13	1687	8	1836	7	2212	4	1834	4
OAX 303	1843	2	1795	3	1844	5	1850	26	1833	5
ST 4892BR	1551	17	1574	19	1893	3	2308	1	1831	6
ST 4575BR	1618	9	1741	6	1777	11	2167	6	1826	7
DP 434 RR	1793	3	1661	9	1650	18	2027	19	1782	8
DP 445 BG/RR	1756	4	1604	13	1656	17	2054	17	1767	9
ST 4686R	1550	19	1564	23	1839	6	2094	12	1762	10
PM 1218 BG/RR	1624	7	1767	5	1565	30	2074	16	1758	11
DP 393	1642	6	1604	14	1934	2	1847	27	1757	12
DP 444 BG/RR	1583	15	1601	15	1587	25	2239	3	1752	13
FM 960 BR	1622	8	1595	17	1704	14	2083	14	1751	14
ST 4793R	1452	30	1572	20	1797	9	2113	10	1734	15
FM 960 RR	1603	11	1575	18	1718	13	2025	20	1730	16
SG 521 R	1453	29	1562	25	1660	16	2166	7	1710	17
PHY 410 R	1292	37	1689	7	1691	15	2096	11	1692	18
SG 747	1653	5	1653	10	1575	26	1839	28	1680	19
FM 958 LL	1471	28	1597	16	1743	12	1898	25	1677	20
PSC 355	1560	16	1639	11	1574	27	1836	29	1652	21
ST 3636B2R	1475	27	1452	32	1566	29	2115	9	1652	22
BCG 28 R	1601	12	1568	21	1508	34	1906	24	1646	23
DP 455 BG/RR	1512	21	1497	27	1522	31	2029	18	1640	24
SG 215 BG/RR	1484	26	1474	30	1509	33	2092	13	1640	25
SG 105	1487	25	1445	33	1821	8	1764	34	1629	26
FM 960 B2R	1487	24	1455	31	1519	32	2019	22	1620	27
ST 4646B2R	1361	35	1418	34	1604	24	2077	15	1615	28
FM 966 LL	1513	20	1611	12	1612	22	1722	35	1614	29
DES 816	1551	18	1567	22	1568	28	1769	32	1614	30
DP 451 BG/RR	1501	23	1388	36	1635	19	1911	23	1609	31
DP 449 BG/RR	1413	34	1552	26	1444	35	2023	21	1608	32
DES 810	1511	22	1563	24	1617	21	1702	36	1598	33
DX 241203	1442	33	1483	29	1622	20	1767	33	1579	34
BCG 295	1447	31	1488	28	1604	23	1620	37	1540	35
DP 424 BGII/RR	1358	36	1391	35	1433	36	1783	30	1491	36
DP 436 RR	1443	32	1335	37	1319	37	1781	31	1470	37
Mean	1551		1585		1665		1989		1699	
LSD (.10)	145		115		234		146		79	
CV(%)	9.79		7.57		13.44		7.37		0.95	
R-SQUARE	0.52		0.67		0.38		0.65		0.73	
REPS	6		6		5		6		23	
PR>F (Variety x loc)									0.001	

[†]Least square means.

Shaded values not significantly different from highest value.

Tunica location not harvested for yield due to excessive rains.

Table 6. Stoneville, MS location of the Delta Region Early Maturity Test in the 2004 Mississippi State University Cotton Variety Trial grown on a Bosket Very Fine Sandy Loam Soil.

NAME	Lint Yield		Lint Percent		Seed Index		Boll Size		Length		Uniformity Index		Strength		Elongation		Micronaire	
	-lbs/ac-	r	-%-	r	-g-	r	-g-	r	-inch-	r	-%-	r	-g/tex-	r	-%-	r	-mic-	r
DX 25105N	1869	1	40.86	3	10.07	25	5.95	17	1.14	18	84.73	11	30.63	18	8.30	7	4.77	6
ST 5242BR	1827	2	40.83	5	11.73	3	6.41	4	1.09	34	83.43	37	27.27	37	7.53	30	4.67	13
OAX 303	1795	3	42.81	1	8.73	37	6.38	7	1.11	26	84.57	19	29.53	26	7.57	26	4.83	3
ST 5599BR	1791	4	38.13	27	11.40	5	6.59	2	1.17	5	84.63	16	32.73	9	7.73	21	4.60	17
PM 1218 BG/RR	1767	5	39.80	13	10.23	20	6.05	13	1.08	35	83.73	33	28.43	33	7.60	24	4.93	2
ST 4575BR	1741	6	40.43	7	10.23	19	6.06	12	1.11	28	84.13	23	30.33	21	8.53	4	4.63	16
PHY 410 R	1689	7	40.47	6	10.00	28	5.20	33	1.14	20	84.70	14	30.53	20	8.63	2	4.73	10
DP 432 RR	1687	8	39.23	18	9.20	35	5.83	20	1.14	19	84.73	12	29.20	29	8.10	17	4.43	28
DP 434 RR	1661	9	41.12	2	9.57	33	6.45	3	1.18	3	85.03	3	27.93	35	7.73	22	4.23	34
SG 747	1653	10	39.85	11	10.20	22	6.19	9	1.13	24	84.80	10	28.83	31	8.37	6	4.77	7
PSC 355	1639	11	39.08	19	9.97	29	5.85	19	1.11	27	84.40	21	33.80	4	8.87	1	4.97	1
FM 966 LL	1611	12	39.79	14	12.17	1	5.63	23	1.15	11	84.07	25	36.50	1	7.57	28	4.43	29
DP 445 BG/RR	1604	13	40.13	10	9.67	31	5.83	21	1.16	8	85.17	2	31.27	15	8.30	9	4.47	25
DP 393	1604	14	38.69	21	10.47	12	5.99	16	1.15	14	85.27	1	32.13	13	8.63	3	4.47	24
DP 444 BG/RR	1601	15	40.85	4	10.23	21	5.26	32	1.15	12	84.93	6	30.23	22	7.53	32	4.07	35
FM 958 LL	1597	16	39.48	16	10.23	18	6.22	8	1.15	9	84.80	8	33.17	6	7.53	31	4.57	19
FM 960 BR	1595	17	38.16	26	10.70	10	5.43	29	1.13	22	84.63	15	35.40	2	7.70	23	4.47	26
FM 960 RR	1575	18	37.96	28	11.77	2	5.69	22	1.17	4	84.87	7	33.90	3	7.30	37	4.03	36
ST 4892BR	1574	19	38.54	22	10.43	14	6.01	14	1.10	31	84.03	26	31.03	16	8.10	15	4.77	9
ST 4793R	1572	20	39.63	15	10.03	27	6.71	1	1.08	36	83.50	36	30.87	17	8.10	14	4.77	8
BCG 28 R	1568	21	39.43	17	9.23	34	4.94	37	1.14	17	83.90	32	29.73	24	7.53	29	4.77	5
DES 816	1567	22	38.41	25	10.30	15	6.14	11	1.12	25	83.53	35	32.63	11	8.30	8	4.63	15
ST 4686R	1564	23	38.49	23	10.13	23	5.19	34	1.13	23	83.93	30	28.93	30	7.60	25	4.53	23
DES 810	1563	24	38.85	20	9.93	30	5.08	35	1.10	32	83.93	29	32.40	12	8.23	11	4.23	33
SG 521 R	1562	25	39.83	12	10.27	16	6.40	5	1.09	33	84.07	24	29.83	23	8.43	5	4.37	32
DP 449 BG/RR	1552	26	38.41	24	9.60	32	5.55	24	1.15	15	84.33	22	32.00	14	7.80	20	4.67	14
DP 455 BG/RR	1497	27	40.13	9	9.03	36	5.45	28	1.17	6	85.00	4	32.70	10	7.47	33	3.97	37
BCG 295	1488	28	36.54	34	11.07	7	6.38	6	1.19	2	84.60	17	32.83	7	7.57	27	4.57	18
DX 241203	1483	29	40.25	8	10.47	13	5.46	27	1.17	7	84.93	5	32.80	8	7.90	18	4.53	20
SG 215 BG/RR	1474	30	37.57	30	10.07	24	5.99	15	1.07	37	83.93	31	27.67	36	8.17	12	4.67	12
FM 960 B2R	1455	31	37.50	31	11.57	4	5.38	30	1.19	1	84.57	18	33.77	5	7.37	34	4.73	11
ST 3636B2R	1452	32	37.50	32	10.90	8	5.28	31	1.14	21	84.03	27	29.73	25	7.33	36	4.53	22
SG 105	1445	33	37.82	29	10.07	26	5.54	25	1.15	13	84.80	9	30.63	19	8.17	13	4.53	21
ST 4646B2R	1418	34	37.49	33	10.27	17	5.93	18	1.11	30	83.63	34	29.50	27	7.83	19	4.83	4
DP 424 BGII/RR	1391	35	34.61	35	10.80	9	4.98	36	1.11	29	84.43	20	29.20	28	8.10	16	4.43	27
DP 451 BG/RR	1388	36	34.41	36	10.53	11	5.54	26	1.14	16	84.00	28	28.17	34	7.33	35	4.40	30
DP 436 RR	1335	37	33.85	37	11.40	6	6.18	10	1.15	10	84.73	13	28.80	32	8.23	10	4.37	31
Mean	1585		38.84		10.34		5.82		1.13		84.39		30.95		7.92		4.55	
LSD (.10)	115		1.91		0.64		1.35		0.03		0.81		1.44		0.36		0.34	
CV(%)	7.57		3.62		4.58		17.05		1.97		0.70		3.41		3.33		5.46	
R-SQUARE	0.67		0.73		0.80		0.33		0.75		0.57		0.87		0.80		0.58	
REPS	6		3		3		3		3		3		3		3		3	

Shaded values not significantly different from highest value.

PLANTED ON 04/28/04, HARVESTED ON 10/04/04

Table 7. Clarksdale, MS location of the Delta Region Early Maturity Test in the 2004 Mississippi State University Cotton Variety Trial grown on a Dubbs Soil.

NAME	Lint Yield		Lint Percent		Seed Index		Boll Size		Length		Uniformity Index		Strength		Elongation		Micronaire	
	-lbs/ac-	r	-%-	r	-g-	r	-g-	r	-inch-	r	-%-	r	-g/tex-	r	-%-	r	-mic-	r
ST 4892BR	2308	1	41.75	1	10.37	16	7.31	12	1.10	36	84.33	34	31.03	19	7.97	21	4.70	3
ST 5242BR	2245	2	40.23	8	11.67	4	7.46	8	1.11	33	84.83	27	27.83	34	7.73	28	4.23	27
DP 444 BG/RR	2239	3	40.55	6	10.03	25	7.20	14	1.17	7	85.90	3	29.63	24	7.63	29	3.97	37
DP 432 RR	2212	4	39.30	17	10.23	21	6.71	25	1.14	20	84.80	28	31.23	16	8.63	4	4.60	6
ST 5599BR	2190	5	38.95	23	11.23	7	6.92	21	1.14	24	84.40	33	31.70	15	7.50	34	4.43	14
ST 4575BR	2167	6	39.20	20	10.27	19	6.81	22	1.15	15	85.03	20	29.10	26	8.57	7	4.33	25
SG 521 R	2166	7	40.73	5	9.60	31	7.67	5	1.09	37	85.27	11	28.53	30	8.57	6	4.37	18
DX 25105N	2166	8	41.73	2	10.27	18	8.25	1	1.15	18	84.77	31	30.00	23	8.30	13	4.73	2
ST 3636B2R	2115	9	39.81	10	10.07	24	6.93	20	1.14	25	84.93	25	28.73	28	7.40	37	4.27	26
ST 4793R	2113	10	39.10	21	11.80	2	6.39	31	1.11	35	84.20	35	30.80	20	8.37	10	4.67	5
PHY 410 R	2096	11	38.34	30	10.13	23	6.16	32	1.15	16	85.77	4	32.17	12	8.73	2	4.17	33
ST 4686R	2094	12	38.48	28	10.60	13	6.64	27	1.17	6	85.07	18	28.93	27	7.97	23	4.17	30
SG 215 BG/RR	2092	13	39.41	13	10.23	20	7.75	4	1.12	31	85.17	15	27.47	35	8.50	8	4.60	8
FM 960 BR	2083	14	38.87	24	11.10	8	8.07	3	1.13	29	84.93	24	36.30	2	7.90	24	4.33	24
ST 4646B2R	2077	15	40.23	7	9.87	28	6.49	29	1.11	32	83.80	37	30.13	22	7.83	25	4.37	19
PM 1218 BG/RR	2074	16	38.51	27	11.07	9	8.23	2	1.11	34	84.50	32	28.37	32	7.57	30	4.60	7
DP 445 BG/RR	2054	17	39.38	14	9.40	34	7.44	9	1.16	10	85.23	12	31.03	18	8.37	12	4.13	35
DP 455 BG/RR	2029	18	39.77	11	9.53	33	6.14	34	1.17	8	84.83	26	32.93	7	7.50	36	3.97	36
DP 434 RR	2027	19	41.32	4	9.90	27	7.33	11	1.19	1	85.60	7	27.47	36	7.97	22	4.20	29
FM 960 RR	2025	20	39.30	18	11.70	3	7.14	16	1.14	19	85.13	17	34.73	4	7.50	35	4.17	32
DP 449 BG/RR	2023	21	38.53	26	8.70	37	6.67	26	1.13	26	85.17	14	33.20	6	7.97	20	4.17	31
FM 960 B2R	2019	22	38.03	31	11.83	1	7.59	6	1.19	3	85.13	16	35.17	3	7.57	31	4.40	16
DP 451 BG/RR	1911	23	36.14	36	10.73	12	7.47	7	1.16	11	85.33	9	28.43	31	7.53	32	4.37	20
BCG 28 R	1906	24	39.32	16	9.03	36	5.84	36	1.15	14	85.07	19	30.40	21	7.50	33	4.50	10
FM 958 LL	1898	25	39.84	9	11.00	11	6.78	23	1.15	13	85.20	13	34.47	5	7.83	26	4.50	11
OAX 303	1850	26	41.59	3	9.40	35	6.44	30	1.13	27	84.80	29	29.50	25	8.17	16	4.77	1
DP 393	1847	27	38.72	25	9.93	26	6.93	19	1.19	2	85.67	6	32.53	10	8.70	3	4.13	34
SG 747	1839	28	39.58	12	9.60	32	5.93	35	1.14	21	85.03	21	26.90	37	8.17	17	4.50	12
PSC 355	1836	29	39.24	19	9.73	29	6.15	33	1.12	30	85.57	8	32.17	13	8.83	1	4.67	4
DP 424 BGII/RR	1783	30	36.31	35	11.03	10	7.22	13	1.14	22	85.00	23	28.70	29	7.97	19	4.33	22
DP 436 RR	1781	31	35.53	37	10.20	22	6.52	28	1.16	12	85.30	10	27.93	33	8.37	11	4.33	23
DES 816	1769	32	37.73	33	10.40	15	6.71	24	1.14	23	84.77	30	32.37	11	8.43	9	4.47	13
DX 241203	1767	33	39.36	15	11.23	6	7.06	17	1.18	4	85.97	2	32.83	9	8.30	14	4.43	15
SG 105	1764	34	38.34	29	10.33	17	7.39	10	1.18	5	86.10	1	32.90	8	8.57	5	4.40	17
FM 966 LL	1722	35	39.03	22	11.67	5	7.16	15	1.15	17	85.67	5	36.73	1	7.77	27	4.37	21
DES 810	1702	36	36.83	34	9.63	30	5.45	37	1.13	28	83.83	36	31.10	17	8.23	15	4.20	28
BCG 295	1620	37	37.85	32	10.53	14	7.05	18	1.16	9	85.00	22	31.83	14	8.03	18	4.53	9
Mean	1989		39.11		10.38		6.96		1.15		85.06		30.95		8.07		4.38	
LSD (.10)	140		1.41		0.98		1.03		0.03		0.78		1.49		0.28		0.28	
CV(%)	7.37		2.64		6.96		10.86		1.62		0.68		3.54		2.51		4.66	
R-SQUARE	0.65		0.75		0.68		0.58		0.76		0.59		0.89		0.87		0.63	
REPS	6		3		3		3		3		3		3		3		3	

Shaded values not significantly different from highest value.

PLANTED ON 05/06/04, HARVESTED ON 10/06/04

Table 8. Rolling Fork, MS location of the Delta Region Early Maturity Test in the 2004 Mississippi State University Cotton Variety Trial grown on a Commerce Very Fine Sandy Loam Soil.

NAME	Lint Yield		Lint Percent		Seed Index		Boll Size		Length		Uniformity Index		Strength		Elongation		Micronaire	
	-lbs/ac-	r	-%-	r	-g-	r	-g-	r	-inch-	r	-%-	r	-g/tex-	r	-%-	r	-mic-	r
DX 25105N	2023	1	42.93	4	11.20	11	6.12	5	1.15	18	84.60	28	29.97	22	7.77	10	4.87	13
DP 393	1934	2	41.02	15	10.30	27	5.46	28	1.18	4	85.27	8	30.03	21	8.10	5	4.60	27
ST 4892BR	1893	3	42.06	6	11.30	10	5.64	23	1.12	30	84.43	30	30.50	17	7.97	7	5.03	6
ST 5599BR	1854	4	40.72	22	11.17	12	6.48	2	1.15	15	84.37	32	32.47	5	7.37	26	4.80	16
OAX 303	1844	5	43.51	1	10.53	26	5.37	30	1.12	28	84.83	20	29.17	26	7.37	30	5.03	5
ST 4686R	1839	6	41.04	14	10.70	18	5.99	8	1.16	8	84.30	34	28.80	28	7.13	35	4.87	11
DP 432 RR	1836	7	41.75	9	9.50	35	5.42	29	1.10	33	84.83	21	30.70	14	8.37	1	4.97	8
SG 105	1821	8	40.89	17	10.67	19	5.72	18	1.16	9	85.83	2	31.93	8	8.03	6	4.93	10
ST 4793R	1797	9	43.20	2	10.67	21	5.54	26	1.11	31	84.30	33	30.20	18	7.73	11	5.13	2
ST 5242BR	1785	10	41.01	16	13.27	1	6.87	1	1.10	34	84.67	25	28.37	31	7.40	25	4.57	30
ST 4575BR	1777	11	41.56	10	10.27	28	5.93	11	1.13	26	84.80	23	29.77	24	8.10	4	4.80	17
FM 958 LL	1743	12	41.12	12	11.30	9	5.84	15	1.16	11	84.87	18	34.40	2	7.47	20	4.80	14
FM 960 RR	1718	13	40.72	21	12.03	3	6.45	3	1.18	3	85.93	1	32.67	4	7.07	36	4.03	37
FM 960 BR	1704	14	41.09	13	11.93	5	6.28	4	1.14	20	84.80	22	35.63	1	7.70	13	4.70	22
PHY 410 R	1691	15	39.15	33	10.57	24	5.26	32	1.16	12	85.67	4	30.67	16	8.37	2	4.67	24
SG 521 R	1660	16	40.87	18	10.77	17	5.85	14	1.10	35	83.70	37	28.27	32	7.77	9	4.87	12
DP 445 BG/RR	1656	17	40.80	19	10.10	33	5.50	27	1.17	7	85.33	7	30.17	19	7.57	17	4.53	31
DP 434 RR	1650	18	42.05	7	10.17	30	5.73	17	1.18	5	85.23	11	26.90	37	7.37	28	4.47	34
DP 451 BG/RR	1635	19	37.39	36	11.00	15	5.65	21	1.15	17	84.93	16	28.40	30	7.30	32	4.70	20
DX 241203	1622	20	39.90	30	11.10	13	5.64	22	1.19	2	85.83	3	31.60	10	7.70	14	4.53	32
DES 810	1617	21	40.58	23	10.20	29	5.05	36	1.12	29	84.63	27	29.83	23	7.60	16	4.50	33
FM 966 LL	1612	22	40.32	26	11.97	4	5.97	9	1.15	16	85.37	6	33.40	3	7.30	31	4.77	19
BCG 295	1604	23	38.22	34	11.60	7	5.71	20	1.18	6	85.00	15	31.77	9	7.43	23	4.67	23
ST 4646B2R	1604	24	40.48	24	10.57	25	5.56	25	1.14	21	84.63	26	30.13	20	7.47	19	4.97	9
DP 444 BG/RR	1587	25	42.93	3	9.70	34	5.17	34	1.13	27	84.40	31	29.67	25	7.37	29	4.27	36
SG 747	1575	26	41.96	8	10.80	16	5.90	12	1.15	19	85.23	9	27.93	34	7.70	12	5.13	1
PSC 355	1574	27	39.95	29	10.17	31	5.62	24	1.10	32	85.10	12	31.33	11	8.23	3	5.00	7
DES 816	1568	28	39.34	32	10.67	20	5.71	19	1.13	25	84.47	29	30.70	15	7.47	21	4.60	25
ST 3636B2R	1566	29	40.05	28	11.00	14	5.73	16	1.14	22	84.23	35	28.57	29	6.93	37	4.60	28
PM 1218 BG/RR	1565	30	39.66	31	11.80	6	6.02	7	1.09	36	83.87	36	28.83	27	7.47	18	5.07	4
DP 455 BG/RR	1522	31	42.61	5	9.27	36	4.80	37	1.15	14	84.73	24	31.33	12	7.27	33	4.30	35
FM 960 B2R	1519	32	40.37	25	12.10	2	6.10	6	1.20	1	85.50	5	32.37	6	7.20	34	4.70	21
SG 215 BG/RR	1509	33	40.12	27	10.63	22	5.95	10	1.09	37	84.93	17	28.07	33	7.80	8	4.80	15
BCG 28 R	1508	34	41.24	11	10.17	32	5.36	31	1.15	13	85.03	13	31.20	13	7.43	22	5.07	3
DP 449 BG/RR	1444	35	40.74	20	9.23	37	5.06	35	1.13	24	84.87	19	32.33	7	7.60	15	4.57	29
DP 424 BGII/RR	1433	36	37.80	35	10.63	23	5.22	33	1.13	23	85.23	10	27.53	35	7.43	24	4.60	26
DP 436 RR	1319	37	36.84	37	11.40	8	5.87	13	1.16	10	85.03	14	27.33	36	7.37	27	4.77	18
Mean	1665		40.70		10.82		5.72		1.14		84.89		30.35		7.59		4.74	
LSD (.10)	234		1.62		0.85		0.50		0.03		0.80		1.44		0.37		0.26	
CV(%)	13.44		2.93		5.78		6.46		1.67		0.69		3.48		3.59		4.05	
R-SQUARE	0.38		0.72		0.73		0.68		0.77		0.55		0.85		0.72		0.72	
REPS	5		3		3		3		3		3		3		3		3	

Shaded values not significantly different from highest value.

PLANTED ON 04/29/04, HARVESTED ON 10/28/04

Table 9. Tribbett, MS location of the Delta Region Early Maturity Test in the 2004 Mississippi State University Cotton Variety Trial grown on a Forestdale-like Silty Clay Loam Soil.

NAME	Lint Yield		Lint Percent		Seed Index		Boll Size		Length		Uniformity Index		Strength		Elongation		Micronaire	
	-lbs/ac-	r	-%-	r	-g-	r	-g-	r	-inch-	r	-%-	r	-g/tex-	r	-%-	r	-mic-	r
DX 25105N	1914	1	42.22	4	9.93	29	6.04	15	1.19	8	85.07	15	27.83	32	8.37	16	4.93	24
OAX 303	1843	2	43.52	1	8.53	36	5.00	37	1.16	16	85.03	16	29.00	24	8.17	26	5.10	8
DP 434 RR	1793	3	42.01	5	10.00	27	6.09	13	1.22	3	85.93	3	27.07	36	7.97	32	4.63	34
DP 445 BG/RR	1756	4	42.77	2	9.73	31	6.00	18	1.15	24	84.73	24	30.37	15	8.57	9	5.13	6
SG 747	1653	5	39.98	19	10.70	14	6.58	3	1.15	29	84.60	28	27.13	35	8.37	14	5.40	1
DP 393	1642	6	41.74	7	10.20	25	6.01	17	1.19	5	86.33	1	30.53	14	8.70	4	5.10	7
PM 1218 BG/RR	1624	7	40.73	10	10.77	12	5.72	24	1.12	37	84.33	34	28.17	30	8.30	18	5.10	9
FM 960 BR	1622	8	40.44	13	10.30	23	5.75	22	1.15	27	85.07	12	34.60	2	8.03	29	4.70	33
ST 4575BR	1618	9	40.31	16	10.37	20	6.44	6	1.16	20	84.93	18	28.73	27	8.93	2	4.97	22
ST 5242BR	1606	10	40.70	11	12.17	1	6.27	9	1.15	26	85.17	11	27.63	33	8.17	24	4.90	25
FM 960 RR	1603	11	39.86	21	11.80	4	6.42	7	1.18	9	85.23	9	33.07	5	7.77	35	4.57	37
BCG 28 R	1601	12	41.60	8	8.40	37	5.22	33	1.16	18	84.37	33	28.73	28	7.83	34	4.97	19
DP 432 RR	1599	13	40.91	9	9.30	33	5.69	25	1.14	32	84.43	30	29.30	23	8.57	8	5.17	5
ST 5599BR	1598	14	39.98	18	10.83	9	6.75	2	1.18	10	84.73	23	31.17	9	8.30	19	5.07	13
DP 444 BG/RR	1583	15	41.78	6	10.10	26	6.07	14	1.17	14	85.87	4	30.83	10	8.17	25	4.60	36
PSC 355	1560	16	40.43	15	9.67	32	6.42	8	1.16	19	85.73	5	29.83	17	8.97	1	5.07	12
ST 4892BR	1551	17	40.59	12	11.27	6	5.64	26	1.15	23	85.17	10	30.57	12	8.50	11	5.30	4
DES 816	1551	18	39.33	23	11.23	7	5.53	28	1.13	35	84.10	35	30.83	11	8.50	13	4.93	23
ST 4686R	1550	19	39.62	22	10.33	22	7.01	1	1.19	6	84.97	17	27.83	31	8.03	31	4.80	29
FM 966 LL	1513	20	38.71	29	11.87	3	6.13	12	1.17	12	84.60	26	36.07	1	8.03	28	4.87	28
DP 455 BG/RR	1512	21	42.75	3	8.53	35	5.86	21	1.16	22	83.63	36	31.47	8	7.47	37	4.73	30
DES 810	1511	22	37.23	34	9.93	28	6.24	11	1.13	33	84.57	29	30.30	16	8.23	22	4.70	32
DP 451 BG/RR	1501	23	36.78	35	11.37	5	6.44	5	1.17	11	85.33	8	28.83	26	8.37	17	4.87	26
FM 960 B2R	1487	24	38.33	31	11.97	2	5.07	35	1.23	2	85.40	6	34.50	3	7.70	36	5.07	14
SG 105	1487	25	39.07	26	11.00	8	5.30	31	1.16	15	85.07	13	29.40	20	8.63	7	5.33	3
SG 215 BG/RR	1484	26	38.13	32	10.63	17	5.29	32	1.12	36	84.43	31	26.63	37	8.50	12	5.10	10
ST 3636B2R	1475	27	39.22	24	10.70	15	6.03	16	1.16	21	84.37	32	29.33	22	7.90	33	5.03	15
FM 958 LL	1471	28	40.01	17	10.47	19	5.03	36	1.19	7	85.40	7	33.93	4	8.23	20	4.97	21
SG 521 R	1453	29	39.96	20	9.93	30	5.72	23	1.15	30	84.87	21	28.90	25	8.70	5	4.97	18
ST 4793R	1452	30	40.44	14	10.63	16	5.99	19	1.13	34	84.87	20	29.77	18	8.17	23	5.40	2
BCG 295	1447	31	37.79	33	10.33	21	6.25	10	1.23	1	86.30	2	32.13	7	8.03	30	4.60	35
DP 436 RR	1443	32	36.33	36	10.73	13	6.45	4	1.17	13	84.90	19	27.33	34	8.57	10	5.03	16
DX 241203	1442	33	39.00	27	10.30	24	5.45	29	1.21	4	84.80	22	30.57	13	8.23	21	4.87	27
DP 449 BG/RR	1413	34	39.22	25	9.07	34	5.22	34	1.16	17	84.67	25	32.77	6	8.17	27	5.00	17
ST 4646B2R	1361	35	38.50	30	10.50	18	5.60	27	1.15	25	83.60	37	29.40	21	8.37	15	5.10	11
DP 424 BGII/RR	1358	36	36.33	37	10.77	11	5.87	20	1.14	31	85.07	14	28.40	29	8.70	6	4.97	20
PHY 410 R	1292	37	38.93	28	10.83	10	5.31	30	1.15	28	84.60	27	29.53	19	8.87	3	4.73	31
Mean	1551		39.87		10.41		5.89		1.16		84.93		30.07		8.30		4.97	
LSD (.10)	145		1.20		0.90		1.11		0.03		1.20		1.47		0.34		0.23	
CV(%)	9.79		2.21		6.39		13.80		1.92		1.04		3.60		3.01		3.47	
R-SQUARE	0.52		0.87		0.75		0.38		0.72		0.46		0.87		0.75		0.73	
REPS	6		3		3		3		3		3		3		3		3	

Shaded values not significantly different from highest value.

PLANTED ON 04/27/04, HARVESTED ON 09/29/04

Table 10. Tunica, MS (fiber only[†]) location of the Delta Region Early Maturity Test in the 2004 Mississippi State Univ. Cotton Variety Trial grown on a Sandy Loam Soil.

NAME	Lint Percent		Seed Index		Boll Size		Length		Uniformity Index		Strength		Elongation		Micronaire	
	-%-	r	-g-	r	-g-	r	-inch-	r	-%-	r	-g/tex-	r	-%-	r	-mic-	r
ST 4892BR	43.92	3	11.23	23	5.01	23	1.12	27	84.40	32	32.57	15	8.23	14	5.60	2
ST 4793R	43.25	6	10.93	31	4.76	31	1.12	29	84.93	19	31.67	20	8.43	8	5.60	1
ST 3636B2R	42.00	21	10.33	21	5.11	21	1.15	18	84.77	24	30.70	24	7.37	34	5.53	3
PM 1218 BG/RR	42.26	16	11.03	2	6.01	2	1.09	37	84.57	31	29.67	30	8.17	15	5.50	4
PSC 355	40.74	30	10.80	22	5.03	22	1.13	24	84.60	30	31.83	19	8.73	2	5.50	5
OAX 303	45.22	1	10.77	24	4.96	24	1.11	32	84.27	34	30.20	26	7.90	19	5.47	6
SG 105	42.12	18	11.27	19	5.17	19	1.14	21	85.17	14	32.27	17	8.43	9	5.43	7
SG 215 BG/RR	41.57	24	10.93	9	5.57	9	1.11	35	85.03	17	28.73	34	8.57	4	5.43	8
SG 521 R	41.89	22	11.27	5	5.90	5	1.11	34	85.20	13	29.90	27	8.50	7	5.40	9
SG 747	43.13	7	10.47	18	5.24	18	1.13	23	85.27	11	28.50	35	8.30	12	5.37	10
BCG 28 R	43.00	8	8.87	29	4.84	29	1.12	28	83.83	37	29.53	31	7.33	37	5.37	11
FM 958 LL	41.82	23	11.30	17	5.27	17	1.16	12	85.00	18	35.60	3	7.63	28	5.33	12
ST 5599BR	42.98	9	11.20	33	4.59	33	1.15	19	84.63	29	32.83	11	7.83	21	5.30	14
DP 432 RR	42.07	20	10.00	27	4.90	27	1.12	30	84.73	27	31.30	21	8.43	10	5.30	13
ST 4646B2R	40.54	31	10.73	30	4.83	30	1.12	31	84.03	36	29.70	29	7.90	20	5.23	15
PHY 410 R	41.17	28	10.87	28	4.89	28	1.16	11	85.81	2	32.96	10	8.55	6	5.23	16
DP 449 BG/RR	41.35	25	10.03	37	4.46	37	1.12	26	84.63	28	34.57	5	7.97	18	5.20	17
DP 451 BG/RR	38.68	36	11.23	6	5.82	6	1.16	8	85.80	3	29.43	32	7.57	30	5.20	18
ST 4686R	42.64	11	10.60	32	4.73	32	1.15	15	84.27	35	29.87	28	7.77	26	5.17	19
FM 960 B2R	42.33	15	12.20	3	5.99	3	1.21	1	84.87	22	34.83	4	7.37	35	5.10	22
DP 393	42.11	19	10.70	25	4.94	25	1.17	5	85.50	5	33.53	9	8.70	3	5.10	21
DES 816	39.35	34	11.37	20	5.13	20	1.15	16	85.40	8	33.57	8	8.30	13	5.10	20
BCG 295	39.48	33	10.70	12	5.45	12	1.18	3	85.07	15	34.10	6	7.83	22	5.07	23
DES 810	38.93	35	10.47	34	4.58	34	1.10	36	85.20	12	32.63	13	8.17	16	5.07	24
DX 25105N	43.34	4	10.03	16	5.31	16	1.16	13	84.80	23	30.83	23	8.10	17	5.03	26
DP 424 BGII/RR	39.57	32	10.30	35	4.57	35	1.14	22	85.43	7	30.93	22	8.37	11	5.03	25
DP 434 RR	43.97	2	10.10	14	5.34	14	1.18	2	85.70	4	29.33	33	7.63	29	5.00	27
ST 4575BR	42.47	14	10.40	10	5.49	10	1.15	14	85.47	6	32.50	16	8.90	1	5.00	28
DP 445 BG/RR	43.26	5	10.30	26	4.92	26	1.16	9	85.87	1	32.67	12	8.57	5	4.93	29
FM 966 LL	40.78	29	11.50	4	5.92	4	1.16	7	85.33	9	37.33	2	7.70	27	4.93	30
ST 5242BR	42.87	10	11.77	8	5.72	8	1.11	33	84.77	25	28.20	36	7.77	25	4.90	32
FM 960 BR	41.27	27	10.53	7	5.75	7	1.15	20	85.27	10	37.53	1	7.83	23	4.90	31
DP 436 RR	38.28	37	10.63	15	5.33	15	1.15	17	84.93	21	27.83	37	7.83	24	4.87	33
DX 241203	41.31	26	10.87	11	5.47	11	1.17	6	85.03	16	32.20	18	7.53	32	4.80	34
FM 960 RR	42.17	17	11.27	1	6.12	1	1.16	10	84.27	33	33.77	7	7.37	36	4.73	35
DP 444 BG/RR	42.57	13	10.00	13	5.42	13	1.12	25	84.93	20	30.30	25	7.57	31	4.70	36
DP 455 BG/RR	42.57	12	9.67	36	4.47	36	1.18	4	84.73	26	32.63	14	7.43	33	4.60	37
Mean	41.81		10.72		5.22		1.14		84.95		31.79		8.01		5.16	
LSD (.10)	0.93		0.93		0.89		0.02		0.74		1.62		0.33		0.35	
CV(%)	1.63		6.41		12.51		1.36		0.64		3.72		3.01		4.92	
R-SQUARE	0.89		0.57		0.44		0.82		0.56		0.86		0.84		0.64	
REPS	3		3		3		3		3		3		3		3	

[†]Tunica location not harvested for lint yield due to excessive rains.

Shaded values not significantly different from highest value.

Table 11. Averages for lint yield and fiber quality traits over three years (2002-2004) in the Delta Region Mid Maturity Mississippi State University Cotton Variety Trials.

NAME	Lint Yield	Lint Percent	Seed Index[†]	Boll Size	Length	Uniformity Index	Strength	Elongation	Micronaire
	-lbs/ac-	-%-	-g-	-g-	-inch-	-%-	-g/tex-	-%-	-mic-
ST 5599BR	1490	39.27	10.89	6.05	1.15	84.02	31.41	7.84	4.72
SG 747	1312	39.63	10.25	5.49	1.13	84.64	27.98	8.29	4.98
DP 555 BG/RR	1298	42.04	8.59	4.88	1.14	83.50	29.62	7.34	4.60
ST 5303R	1268	38.40	10.16	5.53	1.10	84.78	33.59	8.24	4.73
DP 491	1220	41.02	9.78	5.72	1.21	84.86	32.18	7.67	4.63
DP 458 BG/RR	1132	38.35	9.02	4.96	1.13	84.02	30.94	7.99	4.80
DP 5415 RR	1119	39.37	8.68	5.14	1.13	84.23	29.80	8.33	4.80
Mean	1263	39.72	9.62	5.39	1.14	84.29	30.79	7.96	4.75

[†]Two years only (2002 & 2004)

Table 12. Averages for lint yield and fiber quality traits over two years (2003-2004) in the Delta Region Mid Maturity Mississippi State University Cotton Variety Trials.

NAME	Lint Yield	Lint Percent	Seed Index [†]	Boll Size	Length	Uniformity Index	Strength	Elongation	Micronaire
	-lbs/ac-	-%-	-g-	-g-	-inch-	-%-	-g/tex-	-%-	-mic-
ST 5599BR	1565	39.82	10.94	6.51	1.15	84.08	31.75	7.86	4.75
ST 5242BR	1551	40.33	11.50	6.91	1.12	84.45	28.37	7.82	4.54
DP 555 BG/RR	1377	42.54	8.85	5.38	1.14	83.46	29.68	7.35	4.62
SG 747	1368	40.24	10.37	6.12	1.13	84.65	28.40	8.27	4.99
DP 493	1354	42.78	8.79	5.52	1.14	83.90	31.38	7.55	4.93
ST 5303R	1346	39.31	10.12	6.11	1.10	84.80	33.83	8.26	4.79
DP 488 BG/RR	1342	40.85	10.13	5.88	1.20	85.10	31.49	7.90	4.73
DP 494 RR	1306	40.78	10.11	5.50	1.18	84.90	33.24	8.22	4.81
DP 491	1300	41.66	9.83	5.63	1.21	84.84	32.87	7.73	4.67
FM 800 BR	1255	38.90	10.83	6.17	1.22	85.99	33.03	7.79	4.17
BCG 24 R	1255	39.39	9.17	5.47	1.12	84.13	30.07	8.34	4.59
DP 449 BG/RR	1226	38.70	9.58	5.64	1.13	84.10	32.32	7.85	4.69
DP 5415 RR	1216	40.01	8.88	5.61	1.13	84.22	30.47	8.39	4.83
DP 458 BG/RR	1199	38.86	9.29	5.60	1.13	83.98	31.35	7.92	4.85
Mean	1333	40.30	9.89	5.86	1.15	84.47	31.30	7.95	4.71

[†]One year only (2004)

2004 Mississippi State University Cotton Variety Trials

Table 13. 2004 Mississippi State University Delta Mid Maturity Cotton Variety Trial - Yield, Loan Value, and Per Acre Returns

Variety	Lint Yield	Lint Percent	Estimated Seed Yield	Loan Price [†]	Lint Value	Seed Value [‡]	Gross Return
	Lbs/Acre	%	Lbs/Acre	cents/lb	\$/Acre	\$/Acre	\$/Acre
DP 445 BG/RR	1710	40.60	2651	54.75	936	106	1042
ST 5599BR	1660	39.66	2573	54.65	907	103	1010
ST 5242BR	1660	40.10	2573	54.10	898	103	1001
SG 747	1601	40.39	2482	50.60	810	99	909
ST 5303R	1550	39.99	2403	54.80	850	96	946
DP 455 BG/RR	1531	40.82	2373	55.00	842	95	937
PSC 355	1481	39.17	2295	54.70	810	92	902
DP 555 BG/RR	1446	42.81	2242	54.45	787	90	877
DP 488 BG/RR	1437	41.04	2228	54.75	787	89	876
DP 494 RR	1434	41.11	2223	54.85	787	89	876
ST 6636BR	1419	38.06	2199	54.85	778	88	866
ST 6848R	1416	37.61	2195	54.85	777	88	865
DP 491	1406	41.56	2180	54.85	771	87	858
DP 458 B/RR	1394	39.14	2160	54.65	762	86	848
DP 493	1390	42.38	2155	54.65	760	86	846
DP 5415 RR	1388	40.18	2151	54.45	756	86	842
BCG 24 R	1385	39.94	2147	54.40	754	86	840
DPLX02T57R	1385	38.55	2146	54.40	753	86	839
DP 543 BGII/RR	1366	38.85	2118	54.65	747	85	832
FM 800 RR	1353	39.40	2096	54.95	743	84	827
FM 800 BR	1352	39.06	2096	54.95	743	84	827
DP 449 BG/RR	1350	39.27	2092	54.75	739	84	823
FM 832 LL	1339	38.11	2076	54.95	736	83	819
FM 991 B2R	1277	36.65	1979	54.85	700	79	779
ST 5454B2R	1238	37.05	1920	54.65	677	77	754
FM 800 B2R	1235	38.36	1915	54.95	679	77	756

[†]A color and leaf grad of 41-4 was assumed for all calculations

[‡]Estimates based upon a seed value of \$80 per ton

[†]**Loan Price** was determined by entering OVT fiber data into the **Cotton Loan 2004 Calculator**. The Loan Calculator was developed through funding from Cotton Incorporated by Dr. Larry Falconer, Texas A&M Corpus Christi. The values are based on **USDA** premium and discount schedules for cotton entering the **Commodity Credit Corporation (CCC)** loan program (US National Loan Rate is \$0.52 per lb of lint for standard fiber characteristics). The information presented presumes a **standard leaf and color grade** since this information is needed to calculate the values and is not available from OVT data. **Color and leaf grade different than standard grades might affect the results.** Value per Acre is simply the Loan Price multiplied by the lint yield per acre.

Table 14. Averages[†] for lint yield and fiber quality traits over locations in the Delta Region Mid Maturity Test in the 2004 Mississippi State University Cotton Variety Trials.

NAME	Lint Yield		Lint Percent		Seed Index		Boll Size		Length		Uniformity Index		Strength		Elongation		Micronaire	
	-lbs/ac-	r	-%-	r	-g-	r	-g-	r	-inch-	r	-%-	r	-g/tex-	r	-%-	r	-mic-	r
DP 445 BG/RR	1710	1	40.60	7	10.23	14	6.03	6	1.17	13	85.47	11	30.83	20	8.29	5	4.64	21
ST 5599BR	1660	2	39.66	13	10.98	7	6.51	2	1.16	14	84.78	18	32.30	13	7.71	16	4.73	16
ST 5242BR	1660	3	40.10	10	11.90	1	6.91	1	1.14	22	84.97	15	28.38	25	7.59	18	4.63	22
SG 747	1601	4	40.39	8	10.79	8	6.12	4	1.14	20	85.14	13	27.93	26	8.13	9	5.03	1
ST 5303R	1550	5	39.99	11	10.40	12	6.11	5	1.11	26	85.23	12	34.06	3	8.18	8	4.85	8
DP 455 BG/RR	1531	6	40.82	6	9.69	21	5.87	12	1.18	8	84.96	16	32.61	12	7.43	25	4.29	26
PSC 355	1481	7	39.17	16	10.43	10	5.26	26	1.13	25	85.01	14	30.87	19	8.60	1	4.97	2
DP 555 BG/RR	1446	8	42.81	1	8.75	25	5.38	24	1.15	16	84.29	26	29.82	24	7.31	26	4.66	18
DP 488 BG/RR	1437	9	41.04	5	10.22	15	5.88	10	1.19	6	85.67	6	32.17	14	7.83	14	4.74	14
DP 494 RR	1434	10	41.11	4	10.22	16	5.50	22	1.19	5	85.77	5	33.65	6	8.19	7	4.81	10
ST 6636BR	1419	11	38.06	23	10.34	13	5.87	11	1.18	10	85.48	10	34.04	4	7.93	12	4.87	4
ST 6848R	1416	12	37.61	24	10.13	17	5.34	25	1.18	11	85.61	8	35.84	1	8.26	6	4.86	7
DP 491	1406	13	41.56	3	9.87	20	5.63	18	1.23	1	85.64	7	32.97	9	7.57	19	4.65	20
DP 458 B/RR	1394	14	39.14	17	9.62	22	5.60	20	1.15	17	84.50	24	31.62	15	7.92	13	4.90	3
DP 493	1390	15	42.38	2	8.73	26	5.52	21	1.15	15	84.30	25	31.31	17	7.44	24	4.86	6
DP 5415 RR	1388	16	40.18	9	8.97	24	5.61	19	1.15	18	84.70	19	30.14	23	8.09	10	4.79	11
BCG 24 R	1385	17	39.94	12	9.41	23	5.47	23	1.13	23	84.63	21	30.45	22	8.31	4	4.75	13
DPLX02T57R	1385	18	38.55	20	10.78	9	5.88	9	1.13	24	84.83	17	30.47	21	8.41	2	4.71	17
DP 543 BGII/RR	1366	19	38.85	19	9.94	18	5.85	14	1.17	12	84.69	20	31.28	18	7.48	23	4.83	9
FM 800 RR	1353	20	39.40	14	11.15	3	5.85	13	1.18	9	86.58	1	34.94	2	8.03	11	4.74	15
FM 800 BR	1352	21	39.06	18	11.14	5	6.17	3	1.23	2	86.39	2	32.89	10	7.56	20	4.35	25
DP 449 BG/RR	1350	22	39.27	15	9.90	19	5.64	17	1.14	21	84.59	22	32.75	11	7.78	15	4.75	12
FM 832 LL	1339	23	38.11	22	11.15	4	5.94	8	1.22	4	86.37	3	33.28	8	7.53	22	4.42	24
FM 991 B2R	1277	24	36.65	26	11.10	6	6.01	7	1.19	7	85.51	9	33.87	5	7.55	21	4.53	23
ST 5454B2R	1238	25	37.05	25	10.42	11	5.66	16	1.15	19	84.52	23	31.47	16	8.31	3	4.87	5
FM 800 B2R	1235	26	38.36	21	11.30	2	5.83	15	1.22	3	86.29	4	33.41	7	7.65	17	4.66	19
Mean	1429		39.61		10.29		5.82		1.17		85.23		32.05		7.89		4.73	
LSD (.10)	83		0.65		0.42		0.45		0.01		0.40		0.69		0.13		0.12	
CV(%)	11.90		2.74		6.70		12.95		1.65		0.79		3.55		2.70		4.36	
R-SQUARE	0.79		0.87		0.75		0.61		0.84		0.68		0.85		0.89		0.88	
REPS	23		15		15		15		15		15		15		15		15	
PR>F (Variety x loc)	0.001		0.001		0.210		0.030		0.001		0.320		0.001		0.001		0.001	

[†]Least square means.

Shaded values not significantly different from highest value.

Tunica location not harvested for yield due to excessive rains

2004 Mississippi State University Cotton Variety Trials

Table 15. Average[†] lint yield for each location in the Delta Region Mid Maturity Test in the 2004 Mississippi State University Cotton Variety Trials.

NAME	TRIBBET		STONEVILLE		RFORK		CLARKSDALE		OVERLOC	
	LINT YIELD		LINT YIELD		LINT YIELD		LINT YIELD		LINT YIELD	
	lbs/a	r	lbs/a	r	lbs/a	r	lbs/a	r	lbs/a	r
DP 445 BG/RR	1360	1	1593	4	1956	1	1932	4	1710	1
ST 5599BR	1273	2	1632	3	1741	4	1995	1	1660	2
ST 5242BR	1101	11	1750	1	1796	3	1992	2	1660	3
SG 747	1108	9	1641	2	1843	2	1813	9	1601	4
ST 5303R	1052	15	1574	5	1619	6	1957	3	1550	5
DP 455 BG/RR	1261	3	1450	10	1592	8	1820	8	1531	6
PSC 355	1035	17	1564	6	1634	5	1691	18	1481	7
DP 555 BG/RR	1183	5	1513	7	1257	24	1832	7	1446	8
DP 488 BG/RR	1108	10	1458	9	1489	13	1695	17	1437	9
DP 494 RR	1044	16	1430	13	1548	10	1715	14	1434	10
ST 6636BR	1009	19	1498	8	1281	19	1887	5	1419	11
ST 6848R	1074	14	1382	20	1588	9	1621	21	1416	12
DP 491	1096	12	1423	14	1613	7	1493	24	1406	13
DP 458 B/RR	1131	7	1349	23	1376	16	1719	11	1394	14
DP 493	1216	4	1403	16	1489	12	1454	26	1390	15
DP 5415 RR	1080	13	1366	21	1464	14	1640	20	1388	16
BCG 24 R	999	21	1433	12	1505	11	1604	22	1385	17
DPLX02T57R	974	23	1421	15	1429	15	1714	16	1385	18
DP 543 BGII/RR	1017	18	1388	19	1344	17	1716	13	1366	19
FM 800 RR	966	24	1352	22	1258	23	1834	6	1353	20
FM 800 BR	1116	8	1390	18	1181	25	1721	10	1352	21
DP 449 BG/RR	1004	20	1402	17	1275	20	1719	12	1350	22
FM 832 LL	1160	6	1435	11	1274	21	1488	25	1339	23
FM 991 B2R	988	22	1176	25	1263	22	1679	19	1277	24
ST 5454B2R	846	26	1278	24	1306	18	1524	23	1238	25
FM 800 B2R	939	25	1152	26	1135	26	1715	15	1235	26
Mean	1082		1440		1471		1730		1429	
LSD (.10)	126		118		256		166		83	
CV(%)	12.20		8.57		16.58		10.01		11.90	
R-SQUARE	0.72		0.66		0.51		0.49		0.79	
REPS	6		6		5		6		23	
PR>F (Variety x loc)									0.001	

[†]Least square means.

Shaded values not significantly different from highest value.

Tunica location not harvested for yield due to excessive rains

Table 16. Stoneville, MS location of the Delta Region Mid Maturity Test in the 2004 Mississippi State University Cotton Variety Trial grown on a Bosket Very Fine Sandy Loam Soil.

NAME	Lint Yield		Lint Percent		Seed Index		Boll Size		Length		Uniformity Index		Strength		Elongation		Micronaire	
	-lbs/ac-	r	-%-	r	-g-	r	-g-	r	-inch-	r	-%-	r	-g/tex-	r	-%-	r	-mic-	r
ST 5242BR	1750	1	39.71	2	11.73	4	7.18	1	1.15	21	84.67	17	29.40	24	7.43	22	4.47	21
SG 747	1641	2	39.19	4	10.17	15	6.94	2	1.14	22	85.03	13	27.93	26	8.17	6	4.73	9
ST 5599BR	1632	3	36.68	20	11.60	5	6.72	5	1.18	11	84.60	20	32.27	16	7.53	18	4.70	11
DP 445 BG/RR	1593	4	38.58	5	9.83	20	6.84	3	1.16	17	84.90	14	30.63	21	8.17	5	4.53	18
ST 5303R	1574	5	38.11	11	9.97	17	6.58	7	1.12	25	85.17	9	33.67	7	8.17	7	4.67	13
PSC 355	1564	6	38.26	9	10.00	16	5.14	23	1.11	26	84.30	24	31.17	19	8.87	1	4.90	2
DP 555 BG/RR	1513	7	40.49	1	9.40	23	6.04	11	1.16	16	84.03	25	30.60	22	7.70	13	4.63	14
ST 6636BR	1498	8	35.46	24	10.23	14	5.50	19	1.18	13	85.10	10	32.97	11	7.83	11	4.77	6
DP 488 BG/RR	1458	9	38.27	7	10.90	7	5.21	22	1.21	6	85.77	6	32.10	17	7.50	19	4.43	22
DP 455 BG/RR	1450	10	39.40	3	9.93	18	6.61	6	1.20	10	84.73	16	34.27	4	7.43	24	3.87	26
FM 832 LL	1435	11	37.11	16	10.90	8	4.82	26	1.24	3	86.33	3	34.13	6	7.43	23	4.27	25
BCG 24 R	1433	12	38.27	8	9.30	24	6.77	4	1.13	24	84.43	22	30.93	20	8.30	3	4.73	7
DP 494 RR	1430	13	38.41	6	10.43	11	5.37	20	1.21	5	85.87	5	33.33	9	7.83	12	4.57	17
DP 491	1423	14	38.14	10	10.33	12	4.97	25	1.25	1	85.70	7	32.37	15	7.30	26	4.47	20
DPLX02T57R	1421	15	36.93	18	10.50	9	6.18	8	1.13	23	84.63	18	28.90	25	8.43	2	4.53	19
DP 493	1403	16	37.03	17	9.00	25	5.78	15	1.18	12	84.83	15	32.37	13	7.47	20	4.90	1
DP 449 BG/RR	1402	17	37.19	14	9.60	22	5.70	17	1.15	20	84.60	19	33.53	8	7.70	14	4.57	16
FM 800 BR	1390	18	37.55	13	11.27	6	5.76	16	1.23	4	86.07	4	33.30	10	7.47	21	4.43	23
DP 543 BGII/RR	1388	19	35.76	23	10.23	13	6.05	10	1.21	7	85.43	8	32.37	14	7.37	25	4.73	8
ST 6848R	1382	20	37.14	15	9.87	19	5.87	13	1.17	14	85.07	11	36.10	1	8.23	4	4.73	10
DP 5415 RR	1366	21	36.86	19	8.90	26	6.09	9	1.16	18	84.53	21	29.50	23	7.70	15	4.37	24
FM 800 RR	1352	22	37.73	12	12.00	1	5.27	21	1.21	8	86.47	2	34.43	2	7.90	10	4.80	5
DP 458 B/RR	1349	23	36.19	21	9.83	21	5.09	24	1.17	15	83.80	26	32.37	12	8.03	9	4.87	4
ST 5454B2R	1278	24	34.93	25	10.43	10	5.59	18	1.15	19	84.33	23	31.23	18	8.10	8	4.90	3
FM 991 B2R	1176	25	34.60	26	11.87	2	5.89	12	1.20	9	85.03	12	34.17	5	7.57	17	4.67	12
FM 800 B2R	1152	26	36.03	22	11.80	3	5.79	14	1.24	2	86.63	1	34.33	3	7.63	16	4.60	15
Mean	1440		37.46		10.39		5.91		1.18		85.08		32.24		7.82		4.61	
LSD (.10)	118		2.44		0.94		1.51		0.03		1.03		1.69		0.33		0.30	
CV(%)	8.57		4.75		6.61		18.64		2.11		0.88		3.84		3.07		4.71	
R-SQUARE	0.66		0.52		0.72		0.38		0.79		0.61		0.80		0.80		0.63	
REPS	6		3		3		3		3		3		3		3		3	

Shaded values not significantly different from highest value.

PLANTED ON 04/28/04, HARVESTED ON 10/04/04

Table 17. Clarksdale, MS location of the Delta Region Mid Maturity Test in the 2004 Mississippi State University Cotton Variety Trial grown on a Dubbs Soil.

NAME	Lint Yield		Lint Percent		Seed Index		Boll Size		Length		Uniformity Index		Strength		Elongation		Micronaire	
	-lbs/ac-	r	-%-	r	-g-	r	-g-	r	-inch-	r	-%-	r	-g/tex-	r	-%-	r	-mic-	r
ST 5599BR	1995	1	38.88	13	10.30	8	7.11	6	1.14	19	84.73	24	31.97	14	7.47	23	3.77	23
ST 5242BR	1992	2	39.19	11	12.00	1	7.83	2	1.13	23	85.40	14	27.20	25	7.83	16	4.13	16
ST 5303R	1957	3	39.58	8	9.80	14	7.54	4	1.11	26	85.47	13	33.30	8	8.17	10	4.23	10
DP 445 BG/RR	1932	4	39.00	12	9.23	19	5.74	23	1.19	9	86.00	9	30.13	22	8.23	9	3.90	9
ST 6636BR	1887	5	36.93	23	10.07	11	7.65	3	1.19	6	86.17	6	34.33	5	8.17	11	4.23	11
FM 800 RR	1834	6	39.67	5	10.03	12	7.00	8	1.15	17	86.73	2	34.40	4	8.03	14	4.47	14
DP 555 BG/RR	1832	7	41.18	2	8.23	24	5.99	21	1.17	13	85.13	18	29.37	23	7.27	26	3.83	26
DP 455 BG/RR	1820	8	39.69	4	9.37	18	6.20	19	1.18	10	85.33	15	32.77	11	7.53	20	3.87	20
SG 747	1813	9	39.55	9	10.60	5	6.41	14	1.17	14	85.73	10	27.10	26	8.43	4	4.43	4
FM 800 BR	1721	10	39.66	6	10.37	6	7.96	1	1.21	2	86.10	7	32.07	13	7.53	19	3.97	19
DP 458 B/RR	1719	11	37.74	21	8.73	22	6.43	13	1.15	16	84.77	22	31.43	15	7.97	15	4.00	15
DP 449 BG/RR	1719	12	38.11	19	9.07	20	6.24	17	1.14	20	84.67	25	32.57	12	7.73	17	4.13	17
DP 543 BGII/RR	1716	13	37.95	20	9.70	15	6.21	18	1.18	11	84.80	20	30.90	17	7.40	24	4.23	24
DP 494 RR	1715	14	39.75	3	9.57	16	6.29	16	1.17	12	85.60	12	34.03	6	8.43	5	4.20	5
FM 800 B2R	1715	15	38.37	16	10.70	3	6.73	10	1.20	3	86.33	4	33.00	10	7.50	21	4.33	21
DPLX02T57R	1714	16	38.29	17	10.20	9	5.97	22	1.13	25	84.77	21	30.70	19	8.63	1	4.30	1
DP 488 BG/RR	1695	17	39.38	10	9.43	17	6.49	12	1.20	4	86.50	3	33.30	9	8.17	12	4.03	12
PSC 355	1691	18	37.51	22	10.13	10	6.17	20	1.14	22	85.27	16	30.47	20	8.57	2	4.47	2
FM 991 B2R	1679	19	35.73	26	10.67	4	7.49	5	1.19	7	85.60	11	34.47	3	7.50	22	3.90	22
DP 5415 RR	1640	20	38.87	14	8.07	25	5.69	25	1.14	18	85.23	17	30.33	21	8.37	7	3.97	7
ST 6848R	1621	21	35.81	25	9.93	13	6.58	11	1.19	8	87.07	1	37.07	1	8.50	3	4.13	3
BCG 24 R	1604	22	38.50	15	8.47	23	5.73	24	1.13	24	84.93	19	29.33	24	8.43	6	4.13	6
ST 5454B2R	1524	23	35.87	24	10.37	7	6.85	9	1.17	15	84.77	23	30.93	16	8.30	8	4.17	8
DP 491	1493	24	39.63	7	8.83	21	6.31	15	1.23	1	86.07	8	34.77	2	8.10	13	4.03	13
FM 832 LL	1488	25	38.19	18	10.73	2	7.06	7	1.20	5	86.27	5	33.63	7	7.67	18	4.17	18
DP 493	1454	26	42.20	1	7.63	26	5.67	26	1.14	21	84.33	26	30.80	18	7.40	25	3.87	25
Mean	1730		38.66		9.70		6.59		1.17		85.53		31.94		7.97		4.11	
LSD (.10)	166		0.86		0.70		0.88		0.02		0.70		1.53		0.30		0.29	
CV(%)	10.01		1.62		5.30		9.76		1.23		0.60		3.49		2.70		5.24	
R-SQUARE	0.49		0.90		0.86		0.69		0.87		0.70		0.88		0.86		0.60	
REPS	6		3		3		3		3		3		3		3		3	

Shaded values not significantly different from highest value.

PLANTED ON 05/06/04, HARVESTED ON 10/05/04

Table 18. Rolling Fork, MS location of the Delta Region Mid Maturity Test in the 2004 Mississippi State University Cotton Variety Trial grown on a Commerce Very Fine Sandy Loam Soil.

NAME	Lint Yield		Lint Percent		Seed Index		Boll Size		Length		Uniformity Index		Strength		Elongation		Micronaire	
	-lbs/ac-	r	-%-	r	-g-	r	-g-	r	-inch-	r	-%-	r	-g/tex-	r	-%-	r	-mic-	r
DP 445 BG/RR	1956	1	40.89	11	10.80	9	5.45	17	1.16	13	85.20	12	30.83	13	7.77	7	4.60	19
SG 747	1843	2	41.31	6	10.63	10	5.69	10	1.13	22	84.87	17	27.50	25	7.27	16	4.80	9
ST 5242BR	1796	3	40.38	12	12.50	1	7.18	1	1.11	24	84.63	22	26.83	26	7.20	19	4.50	22
ST 5599BR	1741	4	40.03	16	11.87	3	6.29	2	1.16	10	84.77	18	31.80	7	7.27	15	4.83	8
PSC 355	1634	5	39.92	17	10.53	12	4.84	25	1.12	23	85.33	11	29.07	24	8.23	1	4.83	7
ST 5303R	1619	6	40.20	15	10.50	13	5.49	16	1.11	25	85.13	14	33.07	3	7.83	3	4.77	12
DP 491	1613	7	42.61	2	10.00	19	6.01	3	1.22	1	85.40	9	31.80	8	7.10	25	4.73	14
DP 455 BG/RR	1592	8	40.90	10	9.93	21	5.97	4	1.16	14	84.90	16	30.93	12	7.17	22	4.33	24
ST 6848R	1588	9	37.42	26	10.43	14	4.60	26	1.18	8	85.50	8	33.30	2	7.70	8	4.80	10
DP 494 RR	1548	10	42.27	5	10.10	18	5.69	9	1.19	4	85.97	3	33.07	4	7.80	5	4.93	2
BCG 24 R	1505	11	40.27	14	10.00	20	5.67	11	1.14	19	84.77	19	29.60	22	7.77	6	4.77	11
DP 493	1489	12	44.55	1	8.97	25	5.33	21	1.14	18	84.03	26	30.67	15	7.13	23	4.83	6
DP 488 BG/RR	1489	13	42.55	4	10.33	16	5.59	14	1.17	9	85.17	13	31.13	10	7.37	13	4.90	4
DP 5415 RR	1464	14	41.24	7	9.00	24	5.82	7	1.14	17	84.23	25	30.40	19	7.57	9	4.87	5
DPLX02T57R	1429	15	38.40	23	11.73	4	5.75	8	1.11	26	85.03	15	30.07	21	7.83	4	4.67	17
DP 458 B/RR	1376	16	40.33	13	9.80	22	5.34	19	1.16	12	85.33	10	30.17	20	7.47	10	4.93	3
DP 543 BGII/RR	1344	17	41.04	9	9.37	23	5.29	24	1.14	21	84.23	24	30.47	18	7.20	17	4.73	15
ST 5454B2R	1306	18	38.74	20	10.40	15	5.57	15	1.14	20	84.63	21	30.47	17	7.97	2	4.77	13
ST 6636BR	1281	19	38.71	21	10.57	11	5.31	23	1.19	5	85.87	4	32.30	5	7.43	12	5.00	1
DP 449 BG/RR	1275	20	39.21	19	10.17	17	5.60	13	1.14	16	84.73	20	31.37	9	7.33	14	4.70	16
FM 832 LL	1274	21	38.07	25	11.97	2	5.61	12	1.20	3	86.00	2	31.03	11	7.13	24	4.27	25
FM 991 B2R	1263	22	38.09	24	11.60	5	5.95	5	1.18	7	85.57	7	32.00	6	7.20	18	4.50	21
FM 800 RR	1258	23	41.05	8	11.37	6	5.82	6	1.16	11	86.27	1	33.50	1	7.47	11	4.50	20
DP 555 BG/RR	1257	24	42.58	3	8.87	26	5.32	22	1.15	15	84.43	23	29.47	23	7.00	26	4.67	18
FM 800 BR	1181	25	38.61	22	11.30	7	5.33	20	1.21	2	85.70	6	30.77	14	7.20	21	4.00	26
FM 800 B2R	1135	26	39.68	18	11.27	8	5.45	18	1.19	6	85.80	5	30.63	16	7.20	20	4.43	23
Mean	1471		40.35		10.54		5.61		1.16		85.13		30.86		7.45		4.68	
LSD (.10)	256		1.19		0.61		0.84		0.02		0.67		1.70		0.32		0.32	
CV(%)	16.58		2.15		4.21		10.88		1.29		0.58		4.02		3.14		5.00	
R-SQUARE	0.51		0.86		0.88		0.48		0.87		0.72		0.72		0.78		0.61	
REPS	5		3		3		3		3		3		3		3		3	

Shaded values not significantly different from highest value.

PLANTED ON 04/29/04, HARVESTED ON 10/27/04

Table 19. Tribbett, MS location of the Delta Region Mid Maturity Test in the 2004 Mississippi State University Cotton Variety Trial grown on a Forestdale-like Silty Clay Loam Soil.

NAME	Lint Yield		Lint Percent		Seed Index		Boll Size		Length		Uniformity Index		Strength		Elongation		Micronaire	
	-lbs/ac-	r	-%-	r	-g-	r	-g-	r	-inch-	r	-%-	r	-g/tex-	r	-%-	r	-mic-	r
DP 445 BG/RR	1360	1	42.68	5	10.97	7	6.99	1	1.15	15	85.50	11	30.50	21	8.63	5	5.07	12
ST 5599BR	1273	2	40.41	14	10.73	9	6.49	5	1.18	10	85.50	10	32.23	13	8.30	14	5.20	5
DP 455 BG/RR	1261	3	42.04	6	9.50	23	5.93	12	1.19	9	85.27	13	32.80	11	7.57	25	4.50	26
DP 493	1216	4	42.96	4	8.87	26	5.56	17	1.16	14	83.87	26	30.80	19	7.77	23	5.30	2
DP 555 BG/RR	1183	5	43.87	1	9.17	25	4.72	24	1.16	13	84.20	23	29.90	23	7.47	26	5.03	14
FM 832 LL	1160	6	38.00	21	10.67	10	6.53	3	1.23	4	86.77	4	34.47	6	7.97	22	4.53	25
DP 458 B/RR	1131	7	40.44	12	10.13	20	6.05	8	1.13	21	84.00	25	31.40	18	8.10	18	5.10	8
FM 800 BR	1116	8	39.06	18	11.17	4	5.94	11	1.26	1	87.27	1	34.43	7	7.97	21	4.53	24
SG 747	1108	9	40.44	13	11.27	3	6.17	7	1.13	20	84.53	18	28.47	26	8.50	6	5.40	1
DP 488 BG/RR	1108	10	42.98	3	10.20	19	6.23	6	1.21	5	85.93	5	31.57	17	8.17	17	4.93	17
ST 5242BR	1101	11	40.27	15	11.37	2	6.68	2	1.15	16	85.30	12	29.03	25	8.03	19	5.03	15
DP 491	1096	12	43.46	2	10.77	8	5.58	16	1.23	3	85.80	7	32.47	12	7.70	24	4.70	22
DP 5415 RR	1080	13	41.82	8	9.73	22	5.64	14	1.15	17	85.00	16	29.97	22	8.63	4	5.23	4
ST 6848R	1074	14	37.40	24	9.87	21	4.71	25	1.16	12	85.00	15	35.53	3	8.37	12	5.10	11
ST 5303R	1052	15	40.54	11	11.17	5	5.87	13	1.10	26	85.60	9	36.00	1	8.63	3	5.27	3
DP 494 RR	1044	16	41.83	7	10.67	11	5.00	23	1.21	7	85.70	8	33.40	9	8.43	9	5.03	13
PSC 355	1035	17	40.04	17	10.33	17	5.48	18	1.12	22	85.07	14	31.93	15	8.77	1	5.10	9
DP 543 BGII/RR	1017	18	37.68	23	10.60	13	6.04	9	1.16	11	84.47	20	32.00	14	8.17	16	5.13	6
ST 6636BR	1009	19	38.66	19	10.47	15	5.95	10	1.15	18	84.97	17	35.53	4	8.30	15	5.13	7
DP 449 BG/RR	1004	20	40.62	10	10.57	14	5.31	22	1.14	19	84.50	19	32.87	10	8.37	13	4.97	16
BCG 24 R	999	21	40.78	9	9.37	24	4.71	26	1.12	25	84.40	22	30.67	20	8.50	7	4.90	18
FM 991 B2R	988	22	35.94	26	10.63	12	5.35	21	1.20	8	85.90	6	33.90	8	8.03	20	4.70	23
DPLX02T57R	974	23	40.05	16	10.43	16	6.52	4	1.12	23	84.43	21	29.57	24	8.43	10	4.90	19
FM 800 RR	966	24	38.09	20	11.50	1	5.59	15	1.21	6	86.87	2	35.97	2	8.50	8	4.83	21
FM 800 B2R	939	25	37.83	22	11.13	6	5.40	20	1.25	2	86.77	3	35.10	5	8.43	11	4.90	20
ST 5454B2R	846	26	36.84	25	10.33	18	5.42	19	1.12	24	84.13	24	31.60	16	8.77	2	5.10	10
Mean	1082		40.18		10.45		5.76		1.17		85.26		32.39		8.25		4.99	
LSD (.10)	126		1.36		1.33		1.09		0.03		1.16		1.25		0.25		0.23	
CV(%)	12.20		2.47		9.27		13.85		1.93		0.99		2.81		2.24		3.36	
R-SQUARE	0.72		0.88		0.52		0.49		0.86		0.65		0.90		0.85		0.76	
REPS	6		3		3		3		3		3		3		3		3	

Shaded values not significantly different from highest value.

PLANTED ON 04/27/04, HARVESTED ON 09/30/04

Table 20. Tunica, MS location (fiber only†) of the Delta Region Mid Maturity Test in the 2004 Mississippi State Univ. Cotton Variety Trial grown on a Sandy Loam Soil.

NAME	Lint Percent		Seed Index		Boll Size		Length		Uniformity Index		Strength		Elongation		Micronaire	
	-%-	r	-g-	r	-g-	r	-inch-	r	-%-	r	-g/tex-	r	-%-	r	-mic-	r
DP 555 BG/RR	45.92	1	8.07	26	4.85	22	1.13	25	83.67	26	29.77	24	7.13	26	5.13	17
DP 493	45.16	2	9.17	24	5.26	13	1.15	13	84.43	24	31.93	19	7.43	22	5.40	8
DP 491	43.95	3	9.40	23	5.27	12	1.20	4	85.23	12	33.43	10	7.63	17	5.30	12
DP 494 RR	43.26	4	10.33	16	5.15	14	1.19	5	85.73	6	34.40	5	8.43	7	5.30	13
ST 5599BR	42.31	5	10.40	13	5.94	1	1.15	14	84.30	25	33.23	11	7.97	14	5.13	16
DP 5415 RR	42.12	6	9.13	25	4.80	23	1.14	21	84.50	22	30.50	23	8.17	10	5.50	5
DP 455 BG/RR	42.08	7	9.73	21	4.62	25	1.17	12	84.57	20	32.30	17	7.47	20	4.90	23
DP 488 BG/RR	42.05	8	10.23	17	5.90	2	1.18	8	85.00	14	32.77	15	7.97	13	5.40	7
DP 445 BG/RR	41.87	9	10.33	15	5.13	15	1.18	9	85.77	5	32.07	18	8.63	2	5.10	19
BCG 24 R	41.86	10	9.93	19	4.47	26	1.13	24	84.60	19	31.73	20	8.57	4	5.23	14
DP 543 BGII/RR	41.83	11	9.80	20	5.64	7	1.15	15	84.50	21	30.67	22	7.27	25	5.33	10
ST 5303R	41.53	12	10.57	10	5.07	17	1.11	26	84.80	16	34.27	6	8.10	11	5.33	11
SG 747	41.46	13	11.27	5	5.39	10	1.14	20	85.53	7	28.63	26	8.30	8	5.77	1
DP 449 BG/RR	41.24	14	10.10	18	5.36	11	1.14	22	84.43	23	33.43	9	7.77	16	5.40	6
DP 458 B/RR	40.98	15	9.60	22	5.10	16	1.15	17	84.60	18	32.73	16	8.03	12	5.60	2
ST 5242BR	40.96	16	11.90	1	5.67	6	1.13	23	84.87	15	29.43	25	7.43	23	5.00	22
ST 6636BR	40.53	17	10.37	14	4.95	20	1.18	10	85.30	10	35.07	3	7.90	15	5.23	15
FM 800 RR	40.46	18	10.87	8	5.56	8	1.17	11	86.57	2	36.40	2	8.23	9	5.10	20
FM 800 BR	40.43	19	11.60	2	5.86	3	1.21	2	86.80	1	33.90	8	7.63	18	4.80	26
ST 6848R	40.29	20	10.53	12	4.95	19	1.18	7	85.40	9	37.20	1	8.50	5	5.53	4
PSC 355	40.10	21	11.13	6	4.65	24	1.14	19	85.10	13	31.73	21	8.57	3	5.53	3
FM 800 B2R	39.90	22	11.60	3	5.79	4	1.21	3	85.90	4	33.97	7	7.50	19	5.03	21
FM 832 LL	39.18	23	11.50	4	5.70	5	1.22	1	86.50	3	33.13	13	7.47	21	4.87	24
DPLX02T57R	39.07	24	11.03	7	5.00	18	1.15	16	85.30	11	33.10	14	8.70	1	5.13	18
FM 991 B2R	38.90	25	10.73	9	5.40	9	1.19	6	85.43	8	34.83	4	7.43	24	4.87	25
ST 5454B2R	38.89	26	10.57	11	4.87	21	1.15	18	84.73	17	33.13	12	8.43	6	5.40	9
Mean	41.40		10.38		5.24		1.16		85.14		32.84		7.95		5.24	
LSD (.10)	1.05		0.98		0.62		0.02		0.94		1.58		0.25		0.26	
CV(%)	1.86		6.87		8.68		1.48		0.80		3.51		2.33		3.60	
R-SQUARE	0.89		0.70		0.59		0.81		0.65		0.82		0.91		0.72	
REPS	3		3		3		3		3		3		3		3	

†Tunica location not harvested for lint yield due to excessive rains

Shaded values not significantly different from highest value.

PLANTED ON 05/06/04

Table 21. Averages for lint yield and fiber quality traits over three years (2002-2004) in the Hill Region Early Maturity Mississippi State University Cotton Variety Trials.

NAME	Lint Yield	Lint Percent	Seed Index [†]	Boll Size	Length	Uniformity Index	Strength	Elongation	Micronaire
	-lbs/ac-	-%-	-g-	-g-	-inch-	-%-	-g/tex-	-%-	-mic-
PM 1218 BG/RR	1193	40.74	10.69	5.77	1.07	83.55	29.63	8.30	4.80
ST 4892BR	1180	41.19	10.16	5.34	1.09	84.00	31.16	8.46	4.85
PSC 355	1176	40.04	10.01	4.78	1.11	84.47	31.92	9.14	4.90
SG 747	1142	40.62	10.16	5.62	1.11	84.35	28.68	8.63	4.91
SG 521 R	1141	39.62	10.04	5.38	1.08	84.11	29.47	8.68	4.63
DES 816	1126	39.11	10.48	5.53	1.12	84.09	32.66	8.60	4.68
ST 4793R	1125	40.97	10.28	5.31	1.08	83.72	31.16	8.46	4.90
DES 810	1087	37.64	10.07	4.80	1.10	84.17	32.13	8.58	4.55
DP 451 BG/RR	1078	36.63	10.47	5.29	1.13	84.41	28.90	8.07	4.62
DP 436 RR	1032	36.09	10.47	5.34	1.13	84.34	28.31	8.39	4.58
Mean	1128	39.27	10.28	5.32	1.10	84.12	30.40	8.53	4.74

[†]Two years only (2002 & 2004)

Table 22. Averages for lint yield and fiber quality traits over two years (2003-2004) in the Hill Region Early Maturity Mississippi State University Cotton Variety Trials.

NAME	Lint Yield	Lint Percent	Seed Index [†]	Boll Size	Length	Uniformity Index	Strength	Elongation	Micronaire
	-lbs/ac-	-%-	-g-	-g-	-inch-	-%-	-g/tex-	-%-	-mic-
OAX 303	1337	43.64	9.31	5.15	1.11	84.32	30.35	8.41	4.92
FM 960 BR	1315	40.04	10.62	6.15	1.11	84.37	35.58	7.93	4.39
DP 393	1255	40.94	10.10	5.53	1.15	85.06	32.27	9.02	4.63
PM 1218 BG/RR	1251	40.65	10.71	5.83	1.08	83.78	29.79	8.30	4.75
DP 444 BG/RR	1246	41.69	9.81	5.09	1.10	84.34	30.05	8.11	4.05
ST 4892BR	1240	41.40	10.19	5.29	1.09	84.01	31.28	8.50	4.80
BCG 28 R	1233	40.45	9.49	5.32	1.13	84.16	30.20	7.99	4.79
PSC 355	1226	39.98	9.99	4.90	1.11	84.54	32.18	9.25	4.89
SG 521 R	1201	39.71	10.00	5.50	1.08	84.21	29.35	8.70	4.53
DP 434 RR	1200	40.92	9.54	5.59	1.15	84.67	29.19	8.26	4.25
ST 4793R	1189	41.17	10.27	5.27	1.08	83.77	31.35	8.51	4.87
SG 747	1186	40.62	10.26	5.68	1.12	84.57	28.89	8.66	4.83
DES 816	1183	39.06	10.44	5.47	1.12	84.24	32.97	8.60	4.61
PHY 410 R	1176	39.59	10.23	5.03	1.12	84.76	31.88	9.08	4.67
DP 432 RR	1172	40.04	9.36	5.18	1.10	84.31	30.63	8.72	4.56
DES 810	1159	37.73	10.03	4.93	1.09	84.19	32.24	8.62	4.54
ST 4646B2R	1150	38.89	10.06	5.44	1.10	83.60	30.15	8.23	4.52
DP 449 BG/RR	1142	39.00	9.46	5.14	1.11	84.17	32.65	8.15	4.51
DP 451 BG/RR	1141	36.69	10.48	5.58	1.14	84.59	28.91	8.10	4.55
DP 436 RR	1085	36.30	10.50	5.54	1.13	84.42	28.18	8.44	4.56
Mean	1204	39.92	10.04	5.38	1.11	84.30	30.90	8.48	4.61

[†]One year only (2004)

2004 Mississippi State University Cotton Variety Trials

Table 23. 2004 Mississippi State University Hill Early Maturity Cotton Variety Trial - Yield, Loan Value, and Per Acre Returns

Variety	Lint Yield	Lint Percent	Estimated Seed Yield	Loan Price [†]	Lint Value	Seed Value [‡]	Gross Return
	Lbs/Acre	%	Lbs/Acre	cents/lb	\$/Acre	\$/Acre	\$/Acre
ST 5599BR	1405	42.16	2177	54.20	761	87	848
OAX 303	1338	43.93	2074	50.45	675	83	758
ST 4575BR	1336	41.28	2071	54.10	723	83	806
FM 960 RR	1334	41.20	2067	55.00	734	83	817
FM 960 BR	1328	40.73	2058	54.40	722	82	804
ST 4686R	1322	41.09	2049	54.10	715	82	797
FM 958 LL	1317	40.75	2042	54.75	721	82	803
DP 445 BG/RR	1308	41.56	2027	54.40	712	81	793
ST 5242BR	1302	41.77	2017	53.80	700	81	781
DP 393	1298	41.77	2011	54.75	710	80	790
ST 4892BR	1281	42.25	1985	52.65	674	79	753
BCG 28 R	1267	40.81	1965	54.40	689	79	768
DP 455 BG/RR	1266	41.95	1962	54.60	691	78	769
ST 3636B2R	1260	40.68	1953	53.70	677	78	755
ST 4793R	1252	41.90	1940	49.10	615	78	693
SG 747	1249	41.15	1936	50.45	630	77	707
DP 434 RR	1247	41.92	1932	54.15	675	77	752
PM 1218 BG/RR	1243	41.04	1927	52.25	650	77	727
FM 966 LL	1243	39.97	1926	54.70	680	77	757
SG 521 R	1238	40.43	1919	52.35	648	77	725
PSC 355	1233	39.98	1912	54.30	670	76	746
DP 432 RR	1229	40.37	1904	54.10	665	76	741
DP 444 BG/RR	1228	42.00	1903	54.05	664	76	740
FM 960 B2R	1227	40.01	1901	54.75	672	76	748
PHY 410 R	1218	39.82	1888	54.30	661	76	737
DP 449 BG/RR	1214	39.63	1882	54.30	659	75	734
DP 451 BG/RR	1195	37.49	1853	54.10	647	74	721
DES 816	1195	39.64	1852	54.30	649	74	723
ST 4646B2R	1193	39.44	1849	54.00	644	74	718
DES 810	1185	38.19	1836	52.75	625	73	698
DP 424 BGII/RR	1143	37.00	1771	53.80	615	71	686
DP 436 RR	1063	36.73	1648	54.10	575	66	641

[†]A color and leaf grad of 41-4 was assumed for all calculations

[‡]Estimates based upon a seed value of \$80 per ton

[†]**Loan Price** was determined by entering OVT fiber data into the **Cotton Loan 2004 Calculator**. The Loan Calculator was developed through funding from Cotton Incorporated by Dr. Larry Falconer, Texas A&M Corpus Christi. The values are based on **USDA** premium and discount schedules for cotton entering the **Commodity Credit Corporation (CCC)** loan program (US National Loan Rate is \$0.52 per lb of lint for standard fiber characteristics). The information presented presumes a **standard leaf and color grade** since this information is needed to calculate the values and is not available from OVT data. **Color and leaf grade different than standard grades might affect the results.** Value per Acre is simply the Loan Price multiplied by the lint yield per acre.

Table 24. Averages[†] for lint yield and fiber quality traits over locations in the Hill Region Early Maturity Test in the 2004 Mississippi State University Cotton Variety Trials.

NAME	Lint Yield		Lint Percent		Seed Index		Boll Size		Length		Uniformity Index		Strength		Elongation		Micronaire	
	-lbs/ac-	r	-%-	r	-g-	r	-g-	r	-inch-	r	-%-	r	-g/tex-	r	-%-	r	-mic-	r
ST 5599BR	1405	1	42.16	3	10.69	7	6.29	2	1.11	17	83.77	29	31.52	11	7.76	23	4.83	9
OAX 303	1338	2	43.93	1	9.08	31	5.15	27	1.10	23	84.29	18	29.92	18	8.20	13	5.13	1
ST 4575BR	1336	3	41.28	11	9.94	24	5.71	9	1.10	22	84.05	24	29.79	19	8.69	4	4.78	14
FM 960 RR	1334	4	41.20	12	11.18	2	6.43	1	1.15	3	84.85	2	32.92	4	7.32	32	4.25	31
FM 960 BR	1328	5	40.73	18	10.81	6	6.15	5	1.10	19	84.41	13	35.55	2	7.77	22	4.60	23
ST 4686R	1322	6	41.09	14	10.33	13	5.53	15	1.12	11	84.01	26	28.34	28	7.64	29	4.59	25
FM 958 LL	1317	7	40.75	17	10.88	5	5.86	7	1.14	5	84.74	5	34.26	3	7.78	21	4.79	13
DP 445 BG/RR	1308	8	41.56	10	9.77	25	5.47	19	1.13	9	84.84	4	30.29	15	8.32	10	4.50	28
ST 5242BR	1302	9	41.77	8	11.15	3	6.27	3	1.08	26	84.12	23	27.77	31	7.75	25	4.53	27
DP 393	1298	10	41.77	9	10.17	19	5.53	16	1.14	4	85.08	1	31.55	9	8.71	3	4.83	10
ST 4892BR	1281	11	42.25	2	10.29	14	5.29	24	1.08	28	84.28	19	30.28	16	8.29	11	4.89	6
BCG 28 R	1267	12	40.81	16	9.00	32	5.32	22	1.11	12	84.01	25	29.51	20	7.67	28	4.92	5
DP 455 BG/RR	1266	13	41.95	5	9.31	30	5.29	23	1.13	6	84.40	14	31.97	8	7.88	20	4.35	30
ST 3636B2R	1260	14	40.68	19	10.28	15	5.60	11	1.10	18	83.77	30	29.02	22	7.48	30	4.79	12
ST 4793R	1252	15	41.90	7	10.24	17	5.27	25	1.07	31	83.86	28	30.59	13	8.35	9	5.03	2
SG 747	1249	16	41.15	13	10.35	12	5.68	10	1.11	13	84.65	9	28.34	27	8.42	7	5.02	3
DP 434 RR	1247	17	41.92	6	9.54	27	5.59	12	1.15	2	84.84	3	28.13	30	7.91	18	4.40	29
PM 1218 BG/RR	1243	18	41.04	15	10.53	11	5.83	8	1.06	32	83.75	31	28.98	23	7.89	19	4.80	11
FM 966 LL	1243	19	39.97	24	11.58	1	6.18	4	1.13	7	84.69	7	36.03	1	7.72	26	4.54	26
SG 521 R	1238	20	40.43	20	10.03	21	5.50	17	1.07	30	84.27	20	28.90	24	8.44	6	4.71	18
PSC 355	1233	21	39.98	23	9.94	23	4.90	32	1.10	21	84.45	12	31.18	12	8.95	1	4.96	4
DP 432 RR	1229	22	40.37	21	9.46	28	5.18	26	1.08	27	84.22	21	30.18	17	8.56	5	4.88	7
DP 444 BG/RR	1228	23	42.00	4	9.55	26	5.09	29	1.10	20	84.35	16	28.82	25	7.71	27	4.14	32
FM 960 B2R	1227	24	40.01	22	11.11	4	5.97	6	1.16	1	84.54	11	32.83	5	7.33	31	4.60	24
PHY 410 R	1218	25	39.82	25	10.25	16	5.03	30	1.11	16	84.71	6	30.51	14	8.78	2	4.84	8
DP 449 BG/RR	1214	26	39.63	27	9.38	29	5.14	28	1.11	15	84.35	15	32.38	7	8.05	15	4.70	19
DP 451 BG/RR	1195	27	37.49	30	10.68	8	5.58	13	1.13	8	84.68	8	28.19	29	7.75	24	4.74	15
DES 816	1195	28	39.64	26	10.24	18	5.47	18	1.11	14	84.13	22	32.46	6	8.39	8	4.69	20
ST 4646B2R	1193	29	39.44	28	10.07	20	5.44	20	1.08	25	83.62	32	29.50	21	8.05	16	4.71	17
DES 810	1185	30	38.19	29	10.00	22	4.93	31	1.07	29	83.91	27	31.53	10	8.26	12	4.65	21
DP 424 BGII/RR	1143	31	37.00	31	10.60	10	5.38	21	1.09	24	84.29	17	28.56	26	8.18	14	4.60	22
DP 436 RR	1063	32	36.73	32	10.67	9	5.54	14	1.13	10	84.58	10	27.36	32	8.05	17	4.72	16
Mean	1222		40.58		10.19		5.54		1.11		84.33		30.55		8.06		4.68	
LSD (.10)	41		0.50		0.28		0.19		0.01		0.30		0.57		0.14		0.11	
CV(%)	8.96		2.49		5.22		7.05		1.84		0.71		3.76		3.44		4.82	
R-SQUARE	0.93		0.84		0.85		0.80		0.84		0.61		0.87		0.81		0.80	
REPS	38		22		19		22		22		22		22		22		22	
PR>F (Variety x loc)	0.001		0.001		0.580		0.010		0.010		0.050		0.010		0.050		0.001	

[†]Least square means.

Shaded values not significantly different from highest value.

Table 25. Average¹ lint yield for each location in the Hill Region Early Maturity Test in the 2004 Mississippi State University Cotton Variety Trials.

NAME	MSU		BROOKSVILLE		HOLLYSPRINGS		VERONA		DURANT		RAYMOND		DESOTO		OVERLOC	
	LINT YIELD		LINT YIELD		LINT YIELD		LINT YIELD		LINT YIELD		LINT YIELD		LINT YIELD		LINT YIELD	
	lbs/a	r	lbs/a	r	lbs/a	r	lbs/a	r	lbs/a	r	lbs/a	r	lbs/a	r	lbs/a	r
ST 5599BR	945	3	1080	5	1410	3	1602	2	1062	6	1942	2	1791	5	1405	1
OAX 303	929	4	1038	9	1445	1	1746	1	1062	5	1676	26	1469	28	1338	2
ST 4575BR	845	10	1031	11	1281	17	1362	14	979	15	1991	1	1866	2	1336	3
FM 960 RR	920	5	1161	3	1309	14	1505	5	1026	10	1760	17	1655	16	1334	4
FM 960 BR	979	1	1191	1	1228	26	1514	4	1008	12	1822	10	1550	23	1328	5
ST 4686R	868	6	1043	7	1396	4	1342	17	981	14	1839	7	1786	7	1322	6
FM 958 LL	848	8	1172	2	1279	19	1496	6	1070	4	1727	22	1629	18	1317	7
DP 445 BG/RR	822	12	1016	12	1291	16	1288	24	1054	7	1881	3	1804	3	1308	8
ST 5242BR	672	27	1037	10	1351	7	1586	3	1101	2	1834	8	1529	24	1302	9
DP 393	702	23	1109	4	1378	6	1453	10	965	19	1787	13	1691	12	1298	10
ST 4892BR	751	19	990	16	1412	2	1257	27	971	18	1825	9	1757	8	1281	11
BCG 28 R	690	25	987	17	1252	24	1330	18	987	13	1880	4	1746	9	1267	12
DP 455 BG/RR	801	16	1003	15	1313	12	1478	7	892	25	1786	14	1588	22	1266	13
ST 3636B2R	719	20	1009	13	1292	15	1187	30	832	28	1850	6	1932	1	1260	14
ST 4793R	707	21	872	29	1275	21	1320	19	920	21	1879	5	1790	6	1252	15
SG 747	827	11	981	19	1341	8	1298	23	1096	3	1598	31	1599	21	1249	16
DP 434 RR	847	9	953	22	1327	9	1314	21	912	22	1688	24	1686	14	1247	17
PM 1218 BG/RR	679	26	887	28	1324	10	1440	11	1137	1	1611	30	1624	19	1243	18
FM 966 LL	858	7	964	21	1276	20	1456	9	816	31	1815	11	1513	26	1243	19
SG 521 R	809	13	931	25	1157	29	1472	8	1014	11	1752	18	1528	25	1238	20
PSC 355	657	29	985	18	1311	13	1359	15	897	23	1781	15	1645	17	1233	21
DP 432 RR	774	18	1006	14	1258	23	1351	16	856	27	1738	21	1617	20	1229	22
DP 444 BG/RR	651	30	865	30	1394	5	1304	22	894	24	1686	25	1800	4	1228	23
FM 960 B2R	808	14	1062	6	1181	28	1399	12	943	20	1744	19	1450	29	1227	24
PHY 410 R	668	28	893	27	1279	18	1376	13	882	26	1738	20	1690	13	1218	25
DP 449 BG/RR	967	2	973	20	1271	22	1153	32	821	30	1803	12	1510	27	1214	26
DP 451 BG/RR	792	17	1041	8	1216	27	1265	26	974	16	1663	27	1415	30	1195	27
DES 816	648	32	864	31	1321	11	1277	25	973	17	1624	28	1658	15	1195	28
ST 4646B2R	651	31	898	26	1146	31	1185	31	1044	8	1700	23	1727	10	1193	29
DES 810	698	24	757	32	1234	25	1316	20	826	29	1762	16	1702	11	1185	30
DP 424 BGII/RR	805	15	949	23	1100	32	1216	28	1027	9	1622	29	1281	32	1143	31
DP 436 RR	702	22	941	24	1146	30	1189	29	746	32	1408	32	1309	31	1063	32
Mean	782		990		1287		1370		962		1757		1636		1222	
LSD (.10)	102		76		79		115		175		74		86		41	
CV(%)	13.68		8.06		6.41		7.17		19.02		3.60		5.51		8.96	
R-SQUARE	0.56		0.70		0.60		0.81		0.42		0.82		0.78		0.93	
REPS	6		6		6		4		6		4		6		38	
PR>F (Variety x loc)															0.001	

¹Least square means.

Shaded values not significantly different from highest value.

Table 26. Mississippi State, MS location of the Hill Region Early Maturity Test in the 2004 Mississippi State University Cotton Variety Trial grown on a Marietta Silt Loam Soil.																		
NAME	Lint Yield		Lint Percent		Seed Index		Boll Size		Length		Uniformity Index		Strength		Elongation		Micronaire	
	-lbs/ac-	r	-%-	r	-g-	r	-g-	r	-inch-	r	-%-	r	-g/tex-	r	-%-	r	-mic-	r
FM 960 BR	979	1	41.54	9	9.43	15	5.57	4	1.11	13	84.20	12	37.73	2	8.23	18	4.57	20
DP 449 BG/RR	967	2	39.86	24	8.50	28	4.36	28	1.10	17	83.63	28	34.10	10	8.30	14	4.63	16
ST 5599BR	945	3	42.28	3	10.13	2	5.48	5	1.11	14	83.30	30	34.60	6	8.30	13	4.83	6
OAX 303	929	4	45.01	1	8.23	31	4.81	14	1.09	23	84.33	9	31.57	18	8.43	8	5.13	1
FM 960 RR	920	5	41.74	7	10.37	1	5.80	1	1.14	4	84.23	10	34.90	5	7.47	31	4.17	30
ST 4686R	868	6	41.93	6	9.07	21	4.74	20	1.14	8	83.83	22	30.27	24	8.03	19	4.63	17
FM 966 LL	858	7	40.63	21	10.03	4	5.46	6	1.16	3	84.93	1	38.70	1	7.90	21	4.37	23
FM 958 LL	848	8	41.01	17	10.07	3	5.64	3	1.12	10	83.93	19	36.40	3	7.83	23	4.90	3
DP 434 RR	847	9	42.15	4	8.53	27	4.99	10	1.14	5	83.70	26	28.90	29	8.00	20	4.27	26
ST 4575BR	845	10	41.32	12	9.63	8	4.88	12	1.10	22	84.07	17	30.77	19	8.93	3	4.70	11
SG 747	827	11	42.41	2	9.37	17	5.03	9	1.10	19	83.80	23	30.73	20	8.23	17	4.87	4
DP 445 BG/RR	822	12	41.19	14	8.80	25	4.76	19	1.14	7	84.87	2	31.97	17	8.30	16	4.23	27
SG 521 R	809	13	40.29	22	9.43	16	5.17	8	1.06	32	84.07	18	29.40	27	8.50	7	4.67	13
FM 960 B2R	808	14	40.72	20	9.67	6	5.79	2	1.19	1	84.13	16	35.60	4	7.57	28	4.70	12
DP 424 BGII/RR	805	15	37.58	30	9.67	7	4.80	15	1.11	15	83.77	24	30.57	21	8.43	9	4.63	15
DP 455 BG/RR	801	16	41.68	8	8.30	30	4.53	24	1.12	11	83.63	27	32.27	15	8.37	12	4.13	31
DP 451 BG/RR	792	17	37.98	29	9.57	10	4.79	16	1.12	9	84.53	7	28.50	30	7.60	27	4.83	5
DP 432 RR	774	18	40.09	23	8.87	23	4.51	25	1.08	28	84.67	4	33.47	12	8.87	5	4.90	2
ST 4892BR	751	19	40.89	19	9.10	20	4.78	18	1.12	12	84.73	3	32.17	16	8.30	15	4.30	25
ST 3636B2R	719	20	40.95	18	8.80	24	4.78	17	1.10	21	82.67	32	30.20	25	7.30	32	4.37	24
ST 4793R	707	21	41.28	13	9.47	14	4.34	30	1.09	24	84.20	13	33.70	11	8.37	10	4.67	14
DP 436 RR	702	22	37.20	32	9.47	13	4.87	13	1.14	6	84.23	11	27.77	32	7.87	22	4.60	18
DP 393	702	23	41.45	11	9.00	22	4.66	21	1.16	2	84.40	8	34.30	8	8.87	4	4.50	21
DES 810	698	24	37.37	31	9.53	11	4.28	31	1.08	29	84.60	5	33.07	14	8.37	11	4.50	22
BCG 28 R	690	25	41.18	15	8.03	32	4.37	27	1.09	25	82.90	31	30.50	22	7.53	29	4.73	10
PM 1218 BG/RR	679	26	41.02	16	9.33	18	4.92	11	1.07	31	83.33	29	29.53	26	7.83	24	4.60	19
ST 5242BR	672	27	41.45	10	9.90	5	5.45	7	1.10	20	84.57	6	29.03	28	7.70	26	4.20	29
PHY 410 R	668	28	39.12	28	9.63	9	4.35	29	1.10	18	83.90	20	33.30	13	8.93	2	4.73	8
PSC 355	657	29	39.29	26	9.30	19	4.43	26	1.08	27	84.20	14	34.23	9	9.33	1	4.73	7
DP 444 BG/RR	651	30	42.08	5	8.33	29	4.02	32	1.07	30	83.87	21	27.87	31	7.53	30	3.90	32
ST 4646B2R	651	31	39.42	25	8.77	26	4.59	23	1.10	16	83.73	25	30.33	23	7.73	25	4.23	28
DES 816	648	32	39.20	27	9.50	12	4.60	22	1.09	26	84.17	15	34.53	7	8.70	6	4.73	9
Mean	782		40.67		9.24		4.86		1.11		84.04		32.22		8.18		4.56	
LSD (.10)	102		1.12		0.75		0.48		0.04		0.97		1.86		0.45		0.43	
CV(%)	13.68		2.01		5.95		7.26		2.36		0.85		4.23		4.06		6.90	
R-SQUARE	0.56		0.86		0.64		0.73		0.65		0.47		0.87		0.78		0.55	
REPS	6		3		3		3		3		3		3		3		3	

Shaded values not significantly different from highest value.

PLANTED ON 05/13/04, HARVESTED ON 10/01/04

Table 27. Brooksville, MS location of the Hill Region Early Maturity Test in the 2004 Mississippi State University Cotton Variety Trial grown on a Brooksville Silty Clay Soil.

NAME	Lint Yield		Lint Percent		Boll Size		Length		Uniformity Index		Strength		Elongation		Micronaire	
	-lbs/ac-	r	-%-	r	-g-	r	-inch-	r	-%-	r	-g/tex-	r	-%-	r	-mic-	r
FM 960 BR	1191	1	40.53	20	5.40	16	1.10	23	84.73	9	36.60	2	8.03	22	4.70	26
FM 958 LL	1172	2	40.86	15	5.46	13	1.15	5	85.23	4	33.73	4	7.97	23	4.97	18
FM 960 RR	1161	3	41.04	11	6.31	2	1.17	2	85.07	5	33.87	3	7.47	31	4.37	32
DP 393	1109	4	41.81	6	5.49	9	1.16	4	85.30	3	31.33	13	8.83	3	5.13	6
ST 5599BR	1080	5	40.88	14	6.42	1	1.12	18	83.93	30	31.47	11	7.97	26	5.07	9
FM 960 B2R	1062	6	39.47	27	5.81	4	1.17	1	83.97	29	32.83	6	7.4	32	4.67	27
ST 4686R	1043	7	41.19	10	5.36	17	1.14	9	83.90	32	27.47	31	7.63	30	4.73	24
DP 451 BG/RR	1041	8	37.71	29	5.33	18	1.14	7	84.67	12	28.20	28	7.83	28	4.90	19
OAX 303	1038	9	42.93	1	5.25	23	1.10	24	84.70	11	29.80	23	8.43	14	5.17	4
ST 5242BR	1037	10	41.88	5	6.27	3	1.13	15	84.40	20	27.13	32	7.90	27	5.03	14
ST 4575BR	1031	11	41.27	9	5.42	15	1.12	19	84.17	28	30.63	17	8.80	4	4.80	22
DP 445 BG/RR	1016	12	40.68	18	5.22	24	1.13	10	84.77	8	32.13	10	8.70	6	4.63	28
ST 3636B2R	1009	13	40.32	21	5.45	14	1.10	25	84.33	21	29.77	24	7.97	25	5.17	5
DP 432 RR	1006	14	40.53	19	4.94	29	1.09	27	84.63	13	30.47	18	8.73	5	5.10	7
DP 455 BG/RR	1003	15	40.95	12	5.49	10	1.13	13	84.70	10	32.17	9	8.63	8	4.77	23
ST 4892BR	990	16	41.96	4	5.05	27	1.10	26	84.23	25	30.47	19	8.57	9	4.97	16
BCG 28 R	987	17	40.94	13	5.55	8	1.13	11	84.23	22	30.70	16	7.97	24	5.10	8
PSC 355	985	18	40.16	22	4.88	30	1.09	28	84.23	26	31.43	12	9.00	1	5.23	3
SG 747	981	19	41.46	7	5.60	6	1.13	14	85.03	6	28.73	26	8.57	10	5.27	2
DP 449 BG/RR	973	20	39.88	23	4.75	32	1.12	17	84.60	14	33.27	5	8.37	16	4.97	17
FM 966 LL	964	21	39.69	26	5.28	20	1.14	6	84.53	17	36.70	1	8.03	21	4.53	30
DP 434 RR	953	22	42.36	3	5.73	5	1.17	3	85.53	2	27.97	30	7.83	29	4.63	29
DP 424 BGII/RR	949	23	37.10	32	5.21	25	1.10	22	84.47	19	28.50	27	8.30	19	4.83	21
DP 436 RR	941	24	37.32	31	5.48	12	1.12	16	84.23	23	28.00	29	8.43	15	4.87	20
SG 521 R	931	25	40.75	16	5.30	19	1.08	29	84.60	15	29.83	22	8.50	12	5.00	15
ST 4646B2R	898	26	39.85	24	5.26	22	1.11	20	83.93	31	30.17	20	8.30	18	4.70	25
PHY 410 R	893	27	39.76	25	5.03	28	1.14	8	84.83	7	30.77	15	8.93	2	5.03	11
PM 1218 BG/RR	887	28	40.74	17	5.56	7	1.08	31	84.50	18	29.90	21	8.37	17	5.07	10
ST 4793R	872	29	42.61	2	5.48	11	1.08	30	84.57	16	31.17	14	8.63	7	5.33	1
DP 444 BG/RR	865	30	41.29	8	5.27	21	1.13	12	85.57	1	29.73	25	8.17	20	4.50	31
DES 816	864	31	39.27	28	5.10	26	1.10	21	84.23	24	32.80	7	8.50	11	5.03	12
DES 810	757	32	37.50	30	4.78	31	1.05	32	84.20	27	32.77	8	8.43	13	5.03	13
Mean	990		40.46		5.40		1.12		84.56		30.95		8.29		4.92	
LSD (.10)	76		0.99		0.36		0.03		0.66		1.36		0.39		0.24	
CV(%)	8.06		1.80		4.82		1.71		0.57		3.23		3.47		3.51	
R-SQUARE	0.70		0.87		0.78		0.78		0.58		0.89		0.76		0.74	
REPS	6		3		3		3		3		3		3		3	

Shaded values not significantly different from highest value.

PLANTED ON 05/11/04, HARVESTED ON 10/29/04

Table 28. Holly Springs, MS location of the Hill Region Early Maturity Test in the 2004 Mississippi State University Cotton Variety Trial grown on a Grenada Silt Loam Soil.

NAME	Lint Yield		Lint Percent		Seed Index		Boll Size		Length		Uniformity Index		Strength		Elongation		Micronaire	
	-lbs/ac-	r	-%-	r	-g-	r	-g-	r	-inch-	r	-%-	r	-g/tex-	r	-%-	r	-mic-	r
OAX 303	1445	1	45.49	1	8.07	32	4.09	32	1.04	25	83.57	25	30.07	15	8.23	17	5.20	2
ST 4892BR	1412	2	44.22	3	9.73	12	5.19	22	1.03	27	83.87	10	30.40	14	8.37	10	5.03	8
ST 5599BR	1410	3	44.39	2	9.73	11	5.80	7	1.05	21	83.83	12	32.20	5	8.03	19	4.87	13
ST 4686R	1396	4	42.67	9	9.50	15	5.31	18	1.05	20	83.27	28	27.67	30	7.73	26	4.87	14
DP 444 BG/RR	1394	5	42.82	8	9.03	24	4.92	25	1.05	15	83.57	24	29.47	18	7.90	22	4.10	32
DP 393	1378	6	43.80	4	9.43	17	4.85	28	1.10	2	85.17	1	30.83	11	8.87	2	4.73	18
ST 5242BR	1351	7	43.17	5	10.53	2	6.32	1	1.02	29	83.83	13	26.90	31	7.60	30	4.77	17
SG 747	1341	8	42.43	12	9.47	16	5.38	17	1.06	13	83.80	14	28.13	29	8.63	6	5.03	7
DP 434 RR	1327	9	43.02	6	9.37	20	4.70	30	1.08	5	83.70	19	28.50	26	8.30	15	4.67	23
PM 1218 BG/RR	1324	10	42.53	10	10.10	5	5.81	6	1.01	30	83.73	18	28.60	25	7.77	24	4.97	11
DES 816	1321	11	41.50	17	9.10	23	5.74	8	1.05	14	83.17	29	32.07	8	8.50	7	4.67	22
DP 455 BG/RR	1313	12	42.87	7	8.50	30	4.90	26	1.09	4	84.03	5	32.13	7	7.73	25	4.20	31
PSC 355	1311	13	40.51	24	8.87	27	4.78	29	1.06	12	83.73	17	31.57	10	8.80	3	5.07	6
FM 960 RR	1309	14	42.21	13	10.20	4	6.13	2	1.08	7	83.83	11	32.40	4	7.27	32	4.23	30
ST 3636B2R	1292	15	41.71	15	9.77	10	5.26	19	1.05	18	83.37	27	28.80	24	7.77	23	4.97	10
DP 445 BG/RR	1291	16	42.44	11	9.00	25	5.21	21	1.08	6	83.97	6	29.00	22	8.37	12	4.57	29
ST 4575BR	1281	17	41.41	18	9.37	18	6.03	3	1.05	19	83.63	22	29.67	17	8.80	4	5.10	4
PHY 410 R	1279	18	40.89	21	9.23	22	4.85	27	1.06	11	84.40	3	30.67	12	8.93	1	5.00	9
FM 958 LL	1279	19	41.75	14	9.83	8	5.52	13	1.11	1	84.43	2	32.13	6	7.60	29	4.63	24
FM 966 LL	1276	20	40.31	25	10.60	1	5.92	5	1.08	8	83.97	7	35.10	2	7.60	28	4.60	27
ST 4793R	1275	21	41.50	16	9.60	14	5.04	23	1.00	32	82.53	31	29.77	16	8.37	11	5.33	1
DP 449 BG/RR	1271	22	40.62	23	8.70	29	4.94	24	1.05	16	83.70	20	32.93	3	8.30	14	4.70	20
DP 432 RR	1258	23	41.23	19	8.93	26	5.42	15	1.02	28	83.63	23	29.27	20	8.73	5	5.10	5
BCG 28 R	1252	24	39.53	26	8.37	31	5.46	14	1.04	22	83.17	30	29.27	21	8.03	20	5.13	3
DES 810	1234	25	38.95	29	8.80	28	4.67	31	1.04	23	83.67	21	30.67	13	8.43	9	4.73	19
FM 960 BR	1228	26	41.11	20	9.63	13	5.99	4	1.05	17	83.77	16	35.47	1	7.70	27	4.60	26
DP 451 BG/RR	1216	27	38.36	30	9.97	7	5.63	9	1.07	10	84.07	4	28.17	28	7.97	21	4.80	15
FM 960 B2R	1181	28	39.22	28	10.27	3	5.58	11	1.10	3	83.77	15	31.87	9	7.30	31	4.80	16
SG 521 R	1157	29	40.65	22	9.37	19	5.60	10	1.04	26	83.90	9	29.33	19	8.50	8	4.57	28
DP 436 RR	1146	30	38.05	31	9.83	9	5.23	20	1.07	9	83.90	8	26.40	32	8.23	18	4.60	25
ST 4646B2R	1146	31	39.41	27	9.27	21	5.56	12	1.01	31	82.33	32	28.87	23	8.37	13	4.93	12
DP 424 BGII/RR	1100	32	35.26	32	10.10	6	5.41	16	1.04	24	83.50	26	28.47	27	8.30	16	4.70	21
Mean	1287		41.38		9.45		5.35		1.05		83.71		30.21		8.16		4.79	
LSD (.10)	79		1.78		0.51		0.63		0.02		0.85		1.57		0.39		0.31	
CV(%)	6.41		3.16		3.96		8.63		1.73		0.75		3.82		3.49		4.80	
R-SQUARE	0.60		0.79		0.80		0.64		0.78		0.49		0.84		0.80		0.73	
REPS	6		3		3		3		3		3		3		3		3	

Shaded values not significantly different from highest value.
 PLANTED ON 04/28/04, HARVESTED ON 09/29/04

Table 29. Verona . MS location of the Hill Region Early Maturity Test in the 2004 Mississippi State University Cotton Variety Trial grown on a Leeper Fine Sandy Loam Soil.																		
NAME	Lint Yield		Lint Percent		Seed Index		Boll Size		Length		Uniformity Index		Strength		Elongation		Micronaire	
	-lbs/ac-	r	-%-	r	-g-	r	-g-	r	-inch-	r	-%-	r	-g/tex-	r	-%-	r	-mic-	r
OAX 303	1746	1	45.71	1	8.33	32	4.96	25	1.10	23	83.88	29	29.75	22	8.30	7	4.95	1
ST 5599BR	1602	2	42.30	3	9.85	11	6.01	3	1.12	16	84.05	22	31.23	11	7.52	28	4.37	13
ST 5242BR	1586	3	42.29	4	10.35	5	5.94	4	1.09	25	83.80	30	28.43	30	7.65	26	3.95	30
FM 960 BR	1514	4	40.18	21	10.25	6	5.90	5	1.11	21	84.38	14	36.15	2	7.80	21	4.33	16
FM 960 RR	1505	5	41.31	8	10.65	2	6.22	2	1.16	3	85.10	3	32.88	4	7.33	31	3.80	31
FM 958 LL	1496	6	40.76	15	10.40	4	5.68	7	1.14	4	85.00	4	35.90	3	7.90	18	4.43	8
DP 455 BG/RR	1478	7	42.61	2	8.78	30	4.82	27	1.14	7	84.33	15	32.03	8	7.48	29	4.13	24
SG 521 R	1472	8	40.00	24	9.73	14	5.28	15	1.08	28	84.08	21	28.58	28	8.30	8	4.45	7
FM 966 LL	1456	9	39.97	25	11.40	1	6.24	1	1.13	9	84.43	13	36.25	1	7.70	24	4.40	10
DP 393	1453	10	40.57	17	9.38	23	5.43	9	1.14	5	84.95	5	31.65	10	8.55	4	4.48	5
PM 1218 BG/RR	1440	11	40.94	12	9.70	15	5.29	14	1.09	27	83.68	31	29.88	20	7.90	19	4.30	17
FM 960 B2R	1399	12	40.28	20	10.65	3	5.85	6	1.16	2	84.75	7	32.50	6	7.25	32	4.08	29
PHY 410 R	1376	13	39.51	26	9.83	12	5.00	24	1.11	18	84.90	6	30.78	13	8.70	2	4.33	14
ST 4575BR	1362	14	40.52	18	9.03	27	5.15	20	1.09	24	83.98	25	30.55	14	8.68	3	4.20	20
PSC 355	1359	15	40.66	16	9.43	22	4.55	31	1.11	20	84.70	10	31.18	12	8.90	1	4.58	3
DP 432 RR	1351	16	40.32	19	8.85	29	4.74	29	1.09	26	84.08	20	30.18	16	8.35	5	4.28	19
ST 4686R	1342	17	40.03	23	9.82	13	5.11	22	1.13	12	83.95	27	28.83	27	7.70	25	4.08	28
BCG 28 R	1330	18	40.95	10	8.58	31	5.19	17	1.13	11	84.28	16	29.65	23	7.55	27	4.38	12
ST 4793R	1320	19	41.81	5	9.50	21	4.71	30	1.06	32	83.98	26	30.08	17	8.20	11	4.63	2
DES 810	1316	20	38.23	28	9.70	16	4.51	32	1.08	30	84.00	24	31.73	9	8.20	10	4.20	21
DP 434 RR	1314	21	41.27	9	9.30	24	5.63	8	1.17	1	85.53	1	29.38	24	7.95	16	4.10	26
DP 444 BG/RR	1304	22	40.88	13	9.20	25	5.16	19	1.10	22	84.03	23	29.83	21	7.73	23	3.75	32
SG 747	1298	23	40.14	22	9.68	17	5.35	10	1.12	15	84.68	11	28.50	29	8.35	6	4.48	6
DP 445 BG/RR	1288	24	41.33	7	9.18	26	5.01	23	1.14	6	85.50	2	30.20	15	8.00	15	4.10	25
DES 816	1277	25	40.84	14	9.63	18	5.19	16	1.11	19	84.08	19	32.60	5	8.25	9	4.18	23
DP 451 BG/RR	1265	26	37.66	30	10.08	7	5.32	12	1.13	10	84.60	12	27.93	32	7.75	22	4.38	11
ST 4892BR	1257	27	41.55	6	9.90	10	5.17	18	1.08	31	84.20	18	29.90	19	8.20	12	4.55	4
DP 424 BGII/RR	1216	28	37.89	29	9.95	9	4.85	26	1.11	17	84.73	9	28.93	26	8.15	13	4.20	22
DP 436 RR	1189	29	36.44	32	10.03	8	5.14	21	1.13	8	84.73	8	28.15	31	8.15	14	4.33	15
ST 3636B2R	1187	30	40.95	11	9.60	19	5.31	13	1.12	14	83.95	28	29.25	25	7.38	30	4.30	18
ST 4646B2R	1185	31	37.17	31	9.58	20	5.33	11	1.08	29	83.55	32	29.98	18	7.93	17	4.40	9
DP 449 BG/RR	1153	32	39.03	27	8.85	28	4.76	28	1.12	13	84.25	17	32.13	7	7.85	20	4.08	27
Mean	1370		40.44		9.66		5.28		1.11		84.38		30.78		7.99		4.29	
LSD (.10)	115		1.21		0.56		0.37		0.02		0.61		1.22		0.30		0.25	
CV(%)	7.17		2.54		4.98		6.01		1.49		0.61		3.36		3.14		4.98	
R-SQUARE	0.81		0.80		0.72		0.75		0.79		0.59		0.86		0.79		0.68	
REPS	4		4		4		4		4		4		4		4		4	

Shaded values not significantly different from highest value.

PLANTED ON 05/03/04, HARVESTED ON 10/07/04

Table 30. Durant, MS location of the Hill Region Early Maturity Test in the 2004 Mississippi State University Cotton Variety Trial grown on an Oaklimiter Silty Loam Soil.																		
NAME	Lint Yield		Lint Percent		Seed Index		Boll Size		Length		Uniformity Index		Strength		Elongation		Micronaire	
	-lbs/ac-	r	-%-	r	-g-	r	-g-	r	-inch-	r	-%-	r	-g/tex-	r	-%-	r	-mic-	r
PM 1218 BG/RR	1137	1	41.72	13	11.97	7	6.21	7	1.05	32	83.53	29	27.57	26	8.03	15	5.47	2
ST 5242BR	1101	2	41.99	11	12.40	2	6.64	2	1.09	29	84.17	20	26.77	28	7.87	18	4.93	24
SG 747	1096	3	41.49	16	11.23	18	6.07	9	1.14	12	85.03	5	26.57	30	8.30	8	5.27	6
FM 958 LL	1070	4	41.38	17	11.70	10	6.07	8	1.17	3	84.83	11	34.17	2	7.97	16	5.13	13
OAX 303	1062	5	45.37	1	10.27	29	5.30	24	1.11	21	84.10	22	29.33	17	8.03	13	5.47	1
ST 5599BR	1062	6	43.53	2	11.73	9	6.37	4	1.10	24	82.93	32	30.23	10	7.33	30	5.37	3
DP 445 BG/RR	1054	7	41.19	20	10.93	23	5.30	23	1.15	8	84.80	12	29.50	16	8.17	12	4.87	25
ST 4646B2R	1044	8	41.01	23	10.97	22	5.57	16	1.09	27	83.43	31	28.80	18	8.03	14	5.00	21
DP 424 BGII/RR	1027	9	37.99	30	11.53	13	5.28	25	1.09	26	84.40	15	25.90	31	7.90	17	4.47	32
FM 960 RR	1026	10	42.99	3	12.30	4	6.91	1	1.17	2	85.23	2	32.80	4	7.30	31	4.80	28
SG 521 R	1014	11	40.04	26	10.30	28	5.16	29	1.08	30	84.17	21	28.43	20	8.43	6	4.77	29
FM 960 BR	1008	12	41.76	12	12.17	5	6.35	5	1.13	16	84.90	7	33.57	3	7.60	24	5.10	16
BCG 28 R	987	13	41.53	15	10.20	31	5.34	22	1.15	10	84.07	23	28.27	22	7.53	26	5.30	4
ST 4686R	981	14	41.30	19	11.00	20	5.41	20	1.14	14	84.00	25	27.33	27	7.43	28	4.83	27
ST 4575BR	979	15	42.71	7	10.57	25	5.95	10	1.11	22	83.70	28	27.57	25	8.43	7	5.07	19
DP 451 BG/RR	974	16	37.13	31	11.37	16	5.22	27	1.16	7	84.30	17	27.77	23	7.67	23	4.83	26
DES 816	973	17	39.24	28	11.63	11	5.81	12	1.13	15	84.33	16	32.77	5	8.43	4	5.27	5
ST 4892BR	971	18	42.73	5	11.30	17	5.43	18	1.08	31	84.23	18	30.10	12	8.23	9	5.27	7
DP 393	965	19	42.72	6	11.53	12	5.75	14	1.16	6	85.30	1	30.63	8	8.60	2	5.07	18
FM 960 B2R	943	20	41.33	18	12.37	3	6.26	6	1.20	1	84.83	10	32.57	6	7.37	29	5.00	22
ST 4793R	920	21	42.16	9	11.10	19	5.46	17	1.09	28	83.73	27	29.53	15	8.23	10	5.13	12
DP 434 RR	912	22	42.47	8	10.30	27	5.77	13	1.16	4	85.17	3	25.63	32	7.53	27	4.70	30
PSC 355	897	23	40.20	25	10.83	24	5.05	30	1.13	17	85.00	6	29.83	13	8.83	1	5.20	9
DP 444 BG/RR	894	24	42.94	4	11.00	21	5.05	31	1.12	18	84.20	19	28.30	21	7.73	21	4.50	31
DP 455 BG/RR	892	25	42.15	10	10.57	26	5.37	21	1.15	9	84.73	13	30.13	11	8.17	11	4.93	23
PHY 410 R	882	26	41.11	22	11.50	14	5.23	26	1.12	20	85.17	4	29.60	14	8.57	3	5.23	8
DP 432 RR	856	27	41.55	14	10.27	30	5.20	28	1.10	23	83.80	26	28.70	19	8.43	5	5.13	11
ST 3636B2R	832	28	39.79	27	11.87	8	5.88	11	1.15	11	84.63	14	27.63	24	7.30	32	5.07	20
DES 810	826	29	38.77	29	11.43	15	5.42	19	1.09	25	83.50	30	30.63	9	7.87	19	5.10	14
DP 449 BG/RR	821	30	40.63	24	10.07	32	4.88	32	1.12	19	84.03	24	31.30	7	7.73	20	5.10	15
FM 966 LL	816	31	41.15	21	12.60	1	6.47	3	1.14	13	84.87	8	35.27	1	7.53	25	5.10	17
DP 436 RR	746	32	36.68	32	12.10	6	5.70	15	1.16	5	84.87	9	26.67	29	7.70	22	5.20	10
Mean	962		41.21		11.28		5.68		1.13		84.38		29.50		7.95		5.05	
LSD (.10)	175		1.19		0.94		0.35		0.03		0.68		2.03		0.37		0.27	
CV(%)	19.02		2.12		6.13		4.45		1.83		0.59		5.04		3.45		3.91	
R-SQUARE	0.42		0.88		0.63		0.87		0.79		0.70		0.81		0.81		0.70	
REPS	6		3		3		3		3		3		3		3		3	

Shaded values not significantly different from highest value.

PLANTED ON 05/26/04, HARVESTED ON 11/10/04

Table 31. Raymond, MS location of the Hill Region Early Maturity Test in the 2004 Mississippi State University Cotton Variety Trial grown on a Loring Silt Loam Soil.

NAME	Lint Yield		Lint Percent		Seed Index		Boll Size		Length		Uniformity Index		Strength		Elongation		Micronaire	
	-lbs/ac-	r	-%-	r	-g-	r	-g-	r	-inch-	r	-%-	r	-g/tex-	r	-%-	r	-mic-	r
ST 4575BR	1991	1	41.72	7	10.33	22	5.98	15	1.08	21	84.20	22	29.50	17	8.57	4	4.87	10
ST 5599BR	1942	2	41.50	8	10.93	9	7.08	1	1.10	12	83.93	29	30.53	10	7.50	25	4.80	17
DP 445 BG/RR	1881	3	42.62	4	9.77	27	6.29	6	1.09	19	84.37	19	28.77	22	8.17	11	4.60	20
BCG 28 R	1880	4	40.96	15	9.27	31	5.73	24	1.11	11	85.03	6	29.87	12	7.60	20	5.03	8
ST 4793R	1879	5	42.37	5	10.77	12	5.88	19	1.05	31	83.97	28	29.60	16	8.23	8	5.23	1
ST 3636B2R	1850	6	41.46	10	10.47	21	5.78	22	1.10	16	84.13	24	27.67	30	7.27	30	4.87	11
ST 4686R	1839	7	40.50	17	11.23	7	6.12	10	1.12	10	84.57	13	28.03	28	7.43	26	4.50	22
ST 5242BR	1834	8	41.26	12	11.27	6	6.49	5	1.06	28	83.90	30	28.10	27	7.53	22	4.40	27
ST 4892BR	1825	9	43.12	2	10.63	16	5.50	28	1.07	26	84.13	25	29.80	13	8.17	10	5.23	2
FM 960 BR	1822	10	40.97	13	11.30	5	6.52	4	1.06	27	84.47	16	35.57	1	7.50	23	4.47	24
FM 966 LL	1815	11	39.85	24	12.00	1	6.80	2	1.12	9	84.97	8	35.00	2	7.57	21	4.47	23
DP 449 BG/RR	1803	12	38.29	28	9.77	28	5.93	18	1.10	14	84.87	10	30.93	9	7.60	19	4.73	18
DP 393	1787	13	41.47	9	10.47	19	6.00	13	1.12	7	85.00	7	31.10	8	8.57	3	5.03	6
DP 455 BG/RR	1786	14	42.86	3	9.87	26	6.00	12	1.13	5	84.33	20	32.53	5	7.33	28	4.20	29
PSC 355	1781	15	40.37	22	10.70	15	5.27	32	1.07	24	84.47	15	29.37	18	8.83	1	5.07	3
DES 810	1762	16	38.24	29	10.00	25	5.43	29	1.05	30	83.60	31	31.17	6	8.17	9	4.47	25
FM 960 RR	1760	17	40.17	23	11.97	2	6.71	3	1.14	3	85.27	3	31.10	7	7.07	32	4.20	30
SG 521 R	1752	18	40.68	16	10.57	17	6.21	9	1.03	32	84.33	21	28.57	23	8.43	5	4.83	12
FM 960 B2R	1744	19	40.38	21	11.33	4	5.96	16	1.15	2	85.30	2	32.67	4	7.27	29	4.40	28
PHY 410 R	1738	20	39.32	26	10.27	23	5.29	31	1.09	20	84.57	14	29.27	19	8.57	2	4.80	14
DP 432 RR	1738	21	40.47	19	9.77	29	5.62	27	1.08	23	84.10	26	29.20	20	8.30	6	4.97	9
FM 958 LL	1727	22	39.41	25	11.20	8	6.27	7	1.12	6	84.63	11	33.20	3	7.50	24	4.83	13
ST 4646B2R	1700	23	40.47	20	10.80	11	5.84	20	1.07	25	84.20	23	29.63	15	8.03	12	5.07	5
DP 434 RR	1688	24	41.45	11	9.17	32	5.93	17	1.16	1	85.40	1	27.50	32	7.63	18	4.00	32
DP 444 BG/RR	1686	25	41.74	6	10.17	24	5.42	30	1.10	17	84.43	17	28.30	26	7.13	31	4.13	31
OAX 303	1676	26	43.92	1	9.60	30	5.66	26	1.10	15	84.60	12	29.63	14	7.77	16	5.03	7
DP 451 BG/RR	1663	27	37.58	31	11.33	3	6.22	8	1.12	8	85.13	4	29.10	21	7.73	17	4.80	16
DES 816	1624	28	38.72	27	10.53	18	5.78	21	1.13	4	84.07	27	30.47	11	8.00	14	4.43	26
DP 424 BGI/RR	1622	29	37.69	30	10.70	14	5.76	23	1.08	22	84.40	18	28.53	25	8.03	13	4.70	19
PM 1218 BG/RR	1611	30	40.96	14	10.47	20	6.07	11	1.06	29	83.33	32	28.57	24	7.40	27	4.53	21
SG 747	1598	31	40.48	18	10.77	13	5.98	14	1.09	18	85.13	5	27.73	29	8.30	7	5.07	4
DP 436 RR	1408	32	36.25	32	10.93	10	5.69	25	1.10	13	84.93	9	27.57	31	7.90	15	4.80	15
Mean	1757		40.54		10.57		5.98		1.10		84.49		29.96		7.85		4.71	
LSD (.10)	74		1.15		0.78		0.68		0.03		0.95		1.25		0.35		0.32	
CV(%)	3.60		2.09		5.44		8.37		2.15		0.83		3.07		3.31		5.02	
R-SQUARE	0.82		0.86		0.69		0.54		0.73		0.44		0.89		0.84		0.75	
REPS	4		3		3		3		3		3		3		3		3	

Shaded values not significantly different from highest value.
 PLANTED ON 05/06/04, HARVESTED ON 10/26/04

Table 32. Desoto Co., MS location of the Hill Region Early Maturity Test in the 2004 Mississippi State University Cotton Variety Trial grown on a Collins Silt Loam Soil.

NAME	Lint Yield		Lint Percent		Seed Index		Boll Size		Length		Uniformity Index		Strength		Elongation		Micronaire	
	-lbs/ac-	r	-%-	r	-g-	r	-g-	r	-inch-	r	-%-	r	-g/tex-	r	-%-	r	-mic-	r
ST 3636B2R	1932	1	39.59	16	11.17	15	6.72	7	1.12	27	83.30	32	29.83	17	7.40	30	4.80	7
ST 4575BR	1866	2	40.00	14	10.70	23	6.57	10	1.14	21	84.63	20	29.87	16	8.63	4	4.70	10
DP 445 BG/RR	1804	3	41.43	3	10.93	21	6.51	13	1.17	5	85.60	1	30.43	12	8.57	5	4.47	25
DP 444 BG/RR	1800	4	42.24	1	9.57	31	5.78	28	1.12	24	84.77	18	28.27	27	7.80	21	4.07	32
ST 5599BR	1791	5	40.27	11	11.73	7	6.86	5	1.15	15	84.43	24	30.37	13	7.63	25	4.53	22
ST 4793R	1790	6	41.53	2	11.00	20	5.99	21	1.09	31	84.07	30	30.30	14	8.43	8	4.90	3
ST 4686R	1786	7	40.03	13	11.33	13	6.65	9	1.15	11	84.53	22	28.80	24	7.53	27	4.50	24
ST 4892BR	1757	8	41.28	4	11.10	16	5.92	25	1.09	32	84.53	23	29.13	20	8.17	14	4.90	4
BCG 28 R	1746	9	40.59	6	9.57	32	5.62	29	1.15	10	84.40	26	28.30	26	7.47	29	4.73	9
ST 4646B2R	1727	10	38.75	23	11.07	17	5.93	24	1.12	26	84.17	28	28.73	25	7.97	19	4.67	16
DES 810	1702	11	38.26	28	10.53	25	5.41	31	1.12	23	83.83	31	30.67	10	8.37	11	4.53	20
DP 393	1691	12	40.54	9	11.23	14	6.50	14	1.16	6	85.47	2	30.97	9	8.70	3	4.83	6
PHY 410 R	1690	13	39.02	20	11.07	18	5.48	30	1.14	16	85.20	7	29.20	19	8.83	2	4.73	8
DP 434 RR	1686	14	40.71	5	10.60	24	6.40	16	1.17	4	84.87	13	29.03	21	8.10	16	4.40	27
DES 816	1658	15	38.68	25	11.03	19	6.11	20	1.15	12	84.87	14	31.97	7	8.37	10	4.50	23
FM 960 RR	1655	16	38.94	22	11.60	11	6.90	4	1.16	9	85.23	5	32.47	5	7.37	31	4.17	30
PSC 355	1645	17	38.69	24	10.53	26	5.37	32	1.15	14	84.80	16	30.63	11	8.93	1	4.87	5
FM 958 LL	1629	18	40.11	12	12.07	5	6.40	15	1.18	1	85.10	9	34.30	2	7.70	24	4.63	19
PM 1218 BG/RR	1624	19	39.37	17	11.60	10	6.95	3	1.10	29	84.13	29	28.83	23	7.90	20	4.70	14
DP 432 RR	1617	20	38.41	27	10.10	28	5.81	27	1.12	25	84.63	21	29.97	15	8.50	7	4.70	11
SG 747	1599	21	39.67	15	11.60	12	6.33	19	1.14	20	85.07	11	28.00	29	8.57	6	5.17	1
DP 455 BG/RR	1588	22	40.55	8	9.83	30	5.93	23	1.18	2	85.07	10	32.53	4	7.47	28	4.10	31
FM 960 BR	1550	23	39.01	21	12.07	4	7.30	1	1.14	17	84.43	25	33.73	3	7.53	26	4.47	26
ST 5242BR	1529	24	40.39	10	12.43	2	6.78	6	1.09	30	84.20	27	28.00	30	8.03	17	4.40	28
SG 521 R	1528	25	40.58	7	10.80	22	5.81	26	1.10	28	84.77	19	28.17	28	8.43	9	4.67	15
FM 966 LL	1513	26	38.20	29	12.83	1	7.11	2	1.14	18	85.13	8	35.20	1	7.70	23	4.33	29
DP 449 BG/RR	1510	27	39.12	18	10.37	27	6.35	17	1.15	13	85.37	4	32.00	6	8.23	12	4.70	12
OAX 303	1469	28	39.10	19	10.00	29	5.97	22	1.14	19	84.83	15	29.27	18	8.17	13	4.93	2
FM 960 B2R	1450	29	38.65	26	12.37	3	6.56	11	1.18	3	85.03	12	31.80	8	7.13	32	4.53	21
DP 451 BG/RR	1415	30	35.98	30	11.80	6	6.54	12	1.16	8	85.47	3	27.70	31	7.73	22	4.63	18
DP 436 RR	1309	31	35.16	32	11.63	9	6.66	8	1.16	7	85.20	6	27.00	32	8.03	18	4.63	17
DP 424 BGII/RR	1281	32	35.50	31	11.67	8	6.34	18	1.13	22	84.80	17	29.00	22	8.17	15	4.70	13
Mean	1636		39.39		11.12		6.30		1.14		84.75		30.14		8.05		4.61	
LSD (.10)	86		1.75		0.67		0.71		0.03		0.87		1.38		0.35		0.26	
CV(%)	5.51		3.27		4.45		8.29		1.63		0.76		3.36		3.17		4.19	
R-SQUARE	0.78		0.72		0.80		0.59		0.76		0.52		0.86		0.84		0.71	
REPS	6		3		3		3		3		3		3		3		3	

Shaded values not significantly different from highest value.

PLANTED ON 04/27/04, HARVESTED ON 10/05/04

Table 33. Averages for lint yield and fiber quality traits over three years (2002-2004) in the Hill Region Mid Maturity Mississippi State University Cotton Variety Trials.

NAME	Lint Yield	Lint Percent	Seed Index[†]	Boll Size	Length	Uniformity Index	Strength	Elongation	Micronaire
	-lbs/ac-	-%-	-g-	-g-	-inch-	-%-	-g/tex-	-%-	-mic-
ST 5599BR	1278	40.94	10.52	5.87	1.12	83.77	31.10	7.85	4.66
DP 555 BG/RR	1224	42.59	8.60	5.26	1.12	83.35	29.87	7.44	4.52
DP 491	1190	41.69	9.56	5.49	1.19	84.56	32.66	7.90	4.43
PSC 355	1189	39.98	10.16	4.97	1.11	84.61	31.71	9.10	4.90
ST 5303R	1173	39.83	9.98	5.27	1.08	84.36	33.79	8.45	4.69
SG 747	1149	40.52	10.13	5.35	1.11	84.55	28.43	8.57	4.87
DP 5415 RR	1041	39.24	8.97	5.06	1.12	83.99	30.13	8.58	4.66
Mean	1178	40.68	9.70	5.33	1.12	84.17	31.10	8.27	4.68

[†]Two years only (2002 & 2004)

Table 34. Averages for lint yield and fiber quality traits over two years (2003-2004) in the Hill Region Mid Maturity Mississippi State University Cotton Variety Trials.

NAME	Lint Yield	Lint Percent	Seed Index [†]	Boll Size	Length	Uniformity Index	Strength	Elongation	Micronaire
	-lbs/ac-	-%-	-g-	-g-	-inch-	-%-	-g/tex-	-%-	-mic-
ST 5242BR	1368	41.57	11.07	6.12	1.09	84.14	28.45	8.16	4.42
ST 5599BR	1315	41.11	10.46	6.16	1.13	83.99	31.37	7.84	4.55
DP 488 BG/RR	1310	41.13	9.74	5.79	1.18	84.81	32.08	8.03	4.43
DP 493	1290	43.25	8.83	5.31	1.12	83.66	31.31	7.81	4.66
PSC 355	1227	39.77	10.00	4.99	1.11	84.71	31.75	9.13	4.90
DP 494 RR	1224	41.34	9.46	5.51	1.16	84.61	32.90	8.40	4.56
DP 555 BG/RR	1213	42.62	8.39	5.06	1.12	83.35	29.86	7.44	4.46
ST 5303R	1208	39.97	9.90	5.66	1.07	84.38	33.79	8.51	4.64
DP 491	1196	41.62	9.39	5.51	1.19	84.81	32.83	7.93	4.34
SG 747	1193	40.47	9.95	5.53	1.12	84.68	28.21	8.56	4.76
FM 800 BR	1147	40.33	10.27	5.93	1.18	85.30	32.90	7.95	3.92
DP 449 BG/RR	1129	39.41	9.06	4.98	1.11	84.03	32.31	8.09	4.38
DP 5415 RR	1086	39.36	8.96	5.04	1.12	84.04	30.47	8.63	4.60
Mean	1224	40.92	9.65	5.51	1.13	84.35	31.40	8.19	4.51

[†]One year only (2004)

2004 Mississippi State University Cotton Variety Trials

Variety	Lint Yield	Lint Percent	Estimated Seed Yield	Loan Price [†]	Lint Value	Seed Value [‡]	Gross Return
	Lbs/Acre	%	Lbs/Acre	cents/lb	\$/Acre	\$/Acre	\$/Acre
DP 488 BG/RR	1319	41.91	2045	54.75	722	82	804
ST 5599BR	1300	41.55	2016	54.50	709	81	790
DP 555 BG/RR	1287	43.94	1995	54.00	695	80	775
DP 493	1280	43.62	1984	54.30	695	79	774
DP 494 RR	1260	42.02	1952	54.60	688	78	766
DP 455 BG/RR	1255	42.38	1946	54.85	688	78	766
ST 5242BR	1246	41.66	1931	52.35	652	77	729
ST 5303R	1245	40.62	1930	52.95	659	77	736
DP 491	1235	42.62	1914	54.75	676	77	753
DP 445 BG/RR	1228	41.25	1904	54.40	668	76	744
SG 747	1223	41.03	1896	54.10	662	76	738
FM 800 BR	1219	40.98	1890	55.00	671	76	747
DP 543 BGII/RR	1215	41.50	1884	54.20	659	75	734
PSC 355	1208	39.98	1872	50.65	612	75	687
DP 449 BG/RR	1207	39.87	1870	54.60	659	75	734
FM 800 RR	1201	41.02	1862	54.80	658	74	732
DPLX02T57R	1200	39.63	1860	52.55	631	74	705
ST 6636BR	1197	39.10	1856	54.65	654	74	728
FM 991 B2R	1185	38.16	1837	54.65	648	73	721
DP 5415 RR	1183	40.14	1833	54.40	643	73	716
FM 832 LL	1171	39.39	1816	55.00	644	73	717
ST 6848R	1135	38.22	1760	54.85	623	70	693
FM 800 B2R	1100	39.77	1705	55.10	606	68	674
ST 5454B2R	1086	38.04	1683	54.10	588	67	655

[†]A color and leaf grad of 41-4 was assumed for all calculations

[‡]Estimates based upon a seed value of \$80 per ton

[†]**Loan Price** was determined by entering OVT fiber data into the **Cotton Loan 2004 Calculator**. The Loan Calculator was developed through funding from Cotton Incorporated by Dr. Larry Falconer, Texas A&M Corpus Christi. The values are based on **USDA** premium and discount schedules for cotton entering the **Commodity Credit Corporation (CCC)** loan program (US National Loan Rate is \$0.52 per lb of lint for standard fiber characteristics). The information presented presumes a **standard leaf and color grade** since this information is needed to calculate the values and is not available from OVT data. **Color and leaf grade different than standard grades might affect the results.** Value per Acre is simply the Loan Price multiplied by the lint yield per acre.

Table 36. Averages[†] for lint yield and fiber quality traits over locations in the Hill Region Mid Maturity Test in the 2004 Mississippi State University Cotton Variety Trials.

NAME	Lint Yield		Lint Percent		Seed Index		Boll Size		Length		Uniformity Index		Strength		Elongation		Micronaire	
	-lbs/ac-	r	-%-	r	-g-	r	-g-	r	-inch-	r	-%-	r	-g/tex-	r	-%-	r	-mic-	r
DP 488 BG/RR	1319	1	41.91	6	9.75	13	5.79	7	1.16	5	85.02	6	31.83	12	7.86	12	4.61	15
ST 5599BR	1300	2	41.55	8	10.43	4	6.16	1	1.11	15	83.91	20	31.38	14	7.64	18	4.64	12
DP 555 BG/RR	1287	3	43.94	1	8.36	24	5.06	19	1.11	18	83.45	24	29.43	22	7.18	24	4.70	9
DP 493	1280	4	43.62	2	8.54	23	5.31	15	1.12	14	83.82	22	30.49	17	7.46	21	4.77	6
DP 494 RR	1260	5	42.02	5	9.45	17	5.51	11	1.14	9	84.61	12	32.44	7	8.14	9	4.80	5
DP 455 BG/RR	1255	6	42.38	4	8.90	22	4.87	24	1.14	10	84.12	17	31.51	13	7.41	23	4.26	22
ST 5242BR	1246	7	41.66	7	11.18	1	6.12	2	1.08	22	84.05	19	27.48	24	7.68	15	4.44	19
ST 5303R	1245	8	40.62	14	9.99	11	5.66	9	1.06	24	84.44	14	33.25	3	8.28	4	4.88	3
DP 491	1235	9	42.62	3	9.28	18	5.51	12	1.18	2	84.97	7	32.65	5	7.74	14	4.55	17
DP 445 BG/RR	1228	10	41.25	10	9.56	16	5.44	14	1.13	12	84.63	11	30.48	18	8.27	7	4.55	16
SG 747	1223	11	41.03	11	10.23	7	5.53	10	1.11	17	84.79	8	27.78	23	8.28	6	4.98	2
FM 800 BR	1219	12	40.98	13	10.40	5	5.93	6	1.18	1	85.77	1	32.42	8	7.68	16	4.12	24
DP 543 BGII/RR	1215	13	41.50	9	8.98	20	5.03	21	1.11	19	83.79	23	30.61	16	7.46	22	4.74	8
PSC 355	1208	14	39.98	16	10.11	9	4.99	22	1.10	20	84.67	9	31.02	15	8.89	1	5.01	1
DP 449 BG/RR	1207	15	39.87	17	9.07	19	4.98	23	1.11	16	84.22	16	32.05	11	7.86	11	4.62	14
FM 800 RR	1201	16	41.02	12	10.53	3	6.00	5	1.13	11	85.57	2	34.73	2	8.11	10	4.51	18
DPLX02T57R	1200	17	39.63	19	10.09	10	5.71	8	1.07	23	83.89	21	29.99	20	8.49	2	4.62	13
ST 6636BR	1197	18	39.10	21	9.62	15	5.25	17	1.15	7	84.63	10	32.30	10	7.86	13	4.64	11
FM 991 B2R	1185	19	38.16	23	10.69	2	5.50	13	1.16	6	84.53	13	32.42	9	7.47	20	4.37	20
DP 5415 RR	1183	20	40.14	15	8.90	21	5.04	20	1.12	13	84.28	15	29.96	21	8.26	8	4.81	4
FM 832 LL	1171	21	39.39	20	10.32	6	6.08	3	1.18	3	85.38	3	32.44	6	7.48	19	4.28	21
ST 6848R	1135	22	38.22	22	9.68	14	5.29	16	1.14	8	85.34	4	35.00	1	8.30	3	4.75	7
FM 800 B2R	1100	23	39.77	18	10.14	8	6.00	4	1.17	4	85.22	5	33.00	4	7.66	17	4.22	23
ST 5454B2R	1086	24	38.04	24	9.79	12	5.25	18	1.10	21	84.07	18	30.36	19	8.28	5	4.69	10
Mean	1175		40.78		9.71		5.49		1.13		84.54		31.46		7.90		4.59	
LSD (.10)	38		0.60		0.31		0.17		0.01		0.33		0.59		0.13		0.11	
CV(%)	8.55		2.97		6.01		6.32		1.87		0.79		3.80		3.21		4.99	
R-SQUARE	0.93		0.78		0.85		0.81		0.86		0.68		0.82		0.84		0.81	
REPS	38		22		19		22		22		22		22		22		22	
PR>F (Variety x loc)	0.001		0.20		0.001		0.001		0.010		0.001		0.010		0.050		0.001	

[†]Least square means.

Shaded values not significantly different from highest value.

Table 37. Average ¹ lint yield for each location in the Hill Region Mid Maturity Test in the 2004 Mississippi State University Cotton Variety Trials.																
NAME	MSU		BROOKSVILLE		HOLLYSPRINGS		VERONA		DURANT		RAYMOND		DESOTO		OVERLOC	
	LINT YIELD		LINT YIELD		LINT YIELD		LINT YIELD		LINT YIELD		LINT YIELD		LINT YIELD		LINT YIELD	
	lbs/a	r	lbs/a	r	lbs/a	r	lbs/a	r	lbs/a	r	lbs/a	r	lbs/a	r	lbs/a	r
DP 488 BG/RR	646	21	1334	1	1215	7	1345	10	1004	10	2284	1	1406	7	1319	1
ST 5599BR	852	4	1107	6	1190	8	1534	2	965	13	2064	2	1391	9	1300	2
DP 555 BG/RR	882	1	1085	12	1184	13	1455	4	1052	4	2010	4	1341	14	1287	3
DP 493	860	3	1107	7	1283	2	1479	3	876	21	1930	10	1425	3	1280	4
DP 494 RR	785	9	1140	4	1178	15	1544	1	909	15	1905	12	1355	12	1260	5
DP 455 BG/RR	882	2	1205	2	1177	17	1204	20	1070	2	1858	15	1391	8	1255	6
ST 5242BR	699	18	1137	5	1255	3	1362	7	1048	5	1798	19	1422	4	1246	7
ST 5303R	840	6	1089	11	1225	5	1301	14	1060	3	1784	20	1416	5	1245	8
DP 491	767	12	1157	3	1229	4	1449	5	674	24	2036	3	1330	15	1235	9
DP 445 BG/RR	729	17	991	19	1219	6	1283	15	1072	1	1841	17	1462	1	1228	10
SG 747	754	13	1020	18	1185	12	1195	22	1029	7	1970	6	1411	6	1223	11
FM 800 BR	782	10	938	23	1112	22	1242	18	1039	6	1963	7	1459	2	1219	12
DP 543 BGII/RR	821	7	970	20	1301	1	1233	19	1028	8	1853	16	1300	18	1215	13
PSC 355	636	23	1067	13	1186	10	1339	11	888	19	1990	5	1351	13	1208	14
DP 449 BG/RR	814	8	1095	10	1185	11	1202	21	919	14	1955	8	1276	19	1207	15
FM 800 RR	677	20	1104	8	1187	9	1336	12	895	17	1907	11	1306	16	1201	16
DPLX02T57R	735	16	1041	16	1150	18	1406	6	987	11	1702	23	1380	10	1200	17
ST 6636BR	774	11	1061	14	1182	14	1348	8	907	16	1863	14	1246	21	1197	18
FM 991 B2R	847	5	1054	15	1043	24	1347	9	1024	9	1775	21	1207	23	1185	19
DP 5415 RR	745	14	1097	9	1178	16	1303	13	818	22	1891	13	1248	20	1183	20
FM 832 LL	698	19	1031	17	1120	20	1263	17	983	12	1746	22	1358	11	1171	21
ST 6848R	736	15	941	22	1110	23	1268	16	793	23	1947	9	1152	24	1135	22
FM 800 B2R	616	24	963	21	1132	19	1134	23	892	18	1660	24	1303	17	1100	23
ST 5454B2R	639	22	935	24	1116	21	983	24	886	20	1812	18	1232	22	1086	24
Mean	759		1070		1181		1315		951		1898		1340		1175	
LSD (.10)	91		102		64		149		120		88		91		30	
CV(%)	12.51		9.99		5.64		9.61		13.20		3.93		7.06		8.55	
R-SQUARE	0.54		0.53		0.55		0.61		0.54		0.81		0.52		0.93	
REPS	6		6		6		4		6		4		6		38	
PR>F (Variety x loc)	-		-		-		-		-		-		-		0.001	

¹Least square means.

Shaded values not significantly different from highest value.

Table 38. Mississippi State. MS location of the Hill Region Mid Maturity Test in the 2004 Mississippi State University Cotton Variety Trial grown on a Marietta Silt Loam Soil.

NAME	Lint Yield		Lint Percent		Seed Index		Boll Size		Length		Uniformity Index		Strength		Elongation		Micronaire	
	-lbs/ac-	r	-%-	r	-g-	r	-g-	r	-inch-	r	-%-	r	-g/tex-	r	-%-	r	-mic-	r
DP 555 BG/RR	882	1	43.20	1	8.37	22	4.78	15	1.11	17	83.20	23	28.10	23	7.07	24	4.87	5
DP 455 BG/RR	882	2	42.61	3	9.10	13	4.77	16	1.14	11	84.30	17	31.30	13	7.47	22	4.40	15
DP 493	860	3	43.00	2	7.87	24	4.91	13	1.11	16	84.30	18	31.83	10	7.63	19	4.80	6
ST 5599BR	852	4	42.16	4	9.77	5	5.71	3	1.12	14	84.23	20	30.20	21	7.97	13	4.60	12
FM 991 B2R	847	5	38.18	23	9.70	7	5.05	10	1.16	6	85.00	10	31.50	11	7.60	21	4.33	17
ST 5303R	840	6	40.15	14	9.53	9	5.45	6	1.05	24	85.03	9	33.73	3	8.37	6	4.87	4
DP 543 BGII/RR	821	7	39.76	17	8.43	21	4.64	18	1.09	20	82.93	24	31.07	15	7.67	18	4.90	3
DP 449 BG/RR	814	8	40.20	13	8.67	17	4.41	24	1.11	18	84.33	16	31.13	14	7.77	16	4.73	10
DP 494 RR	785	9	41.56	8	8.90	15	5.31	9	1.15	8	84.43	15	33.13	5	8.23	10	4.77	7
FM 800 BR	782	10	40.77	11	9.97	4	5.86	1	1.19	5	86.13	3	31.97	9	7.97	12	4.23	20
ST 6636BR	774	11	39.82	16	9.13	12	4.48	21	1.15	7	84.87	12	32.77	6	8.03	11	4.50	13
DP 491	767	12	41.80	6	8.63	18	5.04	11	1.20	3	85.73	7	33.47	4	7.77	14	4.20	23
SG 747	754	13	41.72	7	9.50	10	4.99	12	1.12	15	85.23	8	28.80	22	8.43	4	5.03	1
DP 5415 RR	745	14	39.22	21	8.20	23	4.47	22	1.15	10	84.87	11	30.23	20	8.27	8	4.63	11
ST 6848R	736	15	39.14	22	8.50	20	4.58	19	1.14	12	85.87	5	34.77	1	8.37	5	4.73	8
DPLX02T57R	735	16	39.31	20	10.00	3	5.51	5	1.06	23	83.87	21	30.97	16	8.90	1	4.73	9
DP 445 BG/RR	729	17	40.78	10	9.03	14	4.76	17	1.13	13	84.63	14	30.40	19	8.50	3	4.30	18
ST 5242BR	699	18	42.00	5	10.37	1	5.79	2	1.07	22	84.27	19	27.20	24	7.37	23	4.47	14
FM 832 LL	698	19	39.55	19	9.70	6	5.31	8	1.22	1	86.67	1	32.30	7	7.60	20	4.23	22
FM 800 RR	677	20	40.36	12	10.00	2	5.69	4	1.15	9	86.17	2	34.73	2	8.23	9	4.27	19
DP 488 BG/RR	646	21	40.78	9	9.63	8	4.88	14	1.20	2	85.77	6	31.33	12	7.77	15	4.23	21
ST 5454B2R	639	22	37.44	24	8.63	19	4.43	23	1.09	21	83.40	22	30.43	18	8.30	7	4.33	16
PSC 355	636	23	39.90	15	9.50	11	4.58	20	1.10	19	84.80	13	30.87	17	8.87	2	4.90	2
FM 800 B2R	616	24	39.64	18	8.80	16	5.32	7	1.19	4	85.87	4	32.13	8	7.70	17	3.80	24
Mean	759		40.54		9.16		5.03		1.13		84.83		31.43		7.99		4.54	
LSD (.10)	91		1.16		1.00		0.38		0.03		0.98		1.38		0.37		0.38	
CV(%)	12.51		2.10		7.96		5.46		1.88		0.84		3.20		3.35		3.07	
R-SQUARE	0.54		0.82		0.62		0.82		0.88		0.74		0.84		0.82		0.70	
REPS	6		3		3		3		3		3		3		3		3	

Shaded values not significantly different from highest value.

PLANTED ON 05/13/04, HARVESTED ON 10/01/04

Table 39. Brooksville, MS location of the Hill Region Mid Maturity Test in the 2004 Mississippi State University Cotton Variety Trial grown on a Brooksville Silty Clay Soil.

NAME	Lint Yield		Lint Percent		Boll Size		Length		Uniformity Index		Strength		Elongation		Micronaire	
	-lbs/ac-	r	-%-	r	-g-	r	-inch-	r	-%-	r	-g/tex-	r	-%-	r	-mic-	r
DP 488 BG/RR	1334	1	41.95	4	5.76	9	1.17	7	84.43	14	33.10	12	7.97	13	4.73	14
DP 455 BG/RR	1205	2	41.69	8	4.90	21	1.16	9	84.20	19	33.53	9	7.70	16	4.57	21
DP 491	1157	3	43.07	2	5.27	15	1.20	2	85.07	5	32.73	14	7.57	21	4.67	19
DP 494 RR	1140	4	41.75	6	5.44	11	1.18	4	85.37	3	34.17	6	8.37	7	4.83	7
ST 5242BR	1137	5	41.81	5	6.26	2	1.09	22	83.83	23	28.00	23	7.57	19	4.73	15
ST 5599BR	1107	6	40.98	12	6.27	1	1.13	15	84.03	21	32.80	13	7.63	17	4.93	5
DP 493	1107	7	43.04	3	5.02	18	1.13	12	84.23	18	30.93	20	7.50	23	4.77	12
FM 800 RR	1104	8	41.10	11	5.91	8	1.13	16	85.33	4	35.70	2	8.43	3	4.80	8
DP 5415 RR	1097	9	40.77	13	4.79	22	1.12	19	84.63	11	30.13	22	8.17	11	4.87	6
DP 449 BG/RR	1095	10	38.84	21	5.43	13	1.13	11	84.47	13	33.87	8	8.17	10	4.80	11
ST 5303R	1089	11	40.36	15	5.43	12	1.07	23	84.97	7	33.43	10	8.43	4	5.30	1
DP 555 BG/RR	1085	12	43.80	1	4.91	20	1.12	20	83.60	24	31.07	19	7.40	24	4.73	17
PSC 355	1067	13	39.37	17	4.71	24	1.11	21	84.43	15	32.07	16	8.87	1	5.17	2
ST 6636BR	1061	14	39.35	18	5.19	16	1.16	8	84.53	12	33.37	11	7.90	15	4.77	13
FM 991 B2R	1054	15	38.16	22	5.31	14	1.17	6	84.30	17	34.03	7	7.60	18	4.53	22
DPLX02T57R	1041	16	39.75	16	5.91	7	1.07	24	84.07	20	30.57	21	8.77	2	5.00	4
FM 832 LL	1031	17	38.97	20	6.15	3	1.17	5	84.80	9	34.27	5	7.57	20	4.50	23
SG 747	1020	18	41.27	9	5.53	10	1.13	17	84.33	16	27.97	24	8.23	9	5.13	3
DP 445 BG/RR	991	19	41.14	10	5.95	6	1.12	18	84.77	10	32.10	15	8.43	5	4.80	9
DP 543 BGII/RR	970	20	41.70	7	4.73	23	1.13	14	83.83	22	31.80	17	7.50	22	4.73	16
FM 800 B2R	963	21	39.06	19	5.99	4	1.19	3	85.03	6	34.33	4	7.90	14	4.57	20
ST 6848R	941	22	38.12	23	5.03	17	1.15	10	86.10	1	35.97	1	8.37	8	4.67	18
FM 800 BR	938	23	40.40	14	5.96	5	1.21	1	85.57	2	35.67	3	7.97	12	4.33	24
ST 5454B2R	935	24	37.96	24	4.93	19	1.13	13	84.87	8	31.33	18	8.43	6	4.80	10
Mean	1070		40.60		5.45		1.14		84.62		32.62		8.02		4.78	
LSD (.10)	102		0.98		0.45		0.03		0.87		1.52		0.30		0.22	
CV(%)	9.99		1.76		5.97		1.93		0.75		3.40		2.74		3.32	
R-SQUARE	0.53		0.89		0.79		0.82		0.58		0.85		0.85		0.74	
REPS	6		3		3		3		3		3		3		3	

Shaded values not significantly different from highest value.

PLANTED ON 05/11/04, HARVESTED ON 10/29/04

Table 40. Holly Springs . MS location of the Hill Region Mid Maturity Test in the 2004 Mississippi State University Cotton Variety Trial grown on a Grenada Silt Loam Soil.

NAME	Lint Yield		Lint Percent		Seed Index		Boll Size		Length		Uniformity Index		Strength		Elongation		Micronaire	
	-lbs/ac-	r	-%-	r	-g-	r	-g-	r	-inch-	r	-%-	r	-g/tex-	r	-%-	r	-mic-	r
DP 543 BG/RR	1301	1	45.75	1	7.93	22	4.49	24	1.08	12	83.80	15	29.87	19	7.43	22	4.63	9
DP 493	1283	2	45.68	2	7.27	24	5.21	16	1.07	16	83.07	21	29.27	20	7.47	20	4.77	6
ST 5242BR	1255	3	43.43	4	10.77	1	6.04	2	1.04	23	83.27	20	26.77	24	7.83	14	4.57	12
DP 491	1229	4	42.60	6	8.43	18	5.29	14	1.13	2	83.87	12	31.57	8	8.10	12	4.57	11
ST 5303R	1225	5	42.01	7	9.70	3	5.58	5	1.00	24	83.83	14	33.83	3	8.63	2	4.80	4
DP 445 BG/RR	1219	6	41.56	12	9.37	10	5.29	13	1.11	8	84.60	3	31.13	11	8.50	4	4.40	18
DP 488 BG/RR	1215	7	43.25	5	9.03	14	5.58	6	1.10	9	84.43	7	31.00	14	8.23	10	4.73	7
ST 5599BR	1190	8	41.13	13	9.63	5	6.62	1	1.06	18	82.90	23	30.93	17	7.63	17	4.80	5
FM 800 RR	1187	9	41.58	11	9.20	12	5.92	3	1.08	10	85.20	2	34.50	2	8.23	9	4.53	13
PSC 355	1186	10	40.80	15	9.83	2	5.08	17	1.07	17	84.60	4	31.67	7	9.27	1	5.17	1
DP 449 BG/RR	1185	11	40.71	16	8.03	20	4.59	21	1.06	19	83.47	16	31.90	5	8.17	11	4.27	20
SG 747	1185	12	41.66	10	9.40	7	5.41	7	1.06	20	84.03	11	27.10	23	8.37	8	5.00	2
DP 555 BG/RR	1184	13	45.12	3	7.30	23	4.55	22	1.08	14	83.43	19	28.80	22	7.27	24	4.53	14
ST 6636BR	1182	14	39.24	21	8.97	15	5.03	18	1.12	6	84.13	9	31.07	12	7.73	16	4.60	10
DP 494 RR	1178	15	41.95	8	8.77	16	4.81	20	1.11	7	84.13	10	30.93	16	7.90	13	4.47	15
DP 5415 RR	1178	16	40.48	17	8.10	19	4.93	19	1.07	15	82.87	24	31.03	13	8.50	5	4.83	3
DP 455 BG/RR	1177	17	41.77	9	8.00	21	4.54	23	1.08	11	83.43	18	30.97	15	7.37	23	4.20	23
DPLX02T57R	1150	18	41.02	14	9.37	9	5.39	9	1.05	21	83.47	17	31.17	10	8.60	3	4.43	17
FM 800 B2R	1132	19	40.32	19	9.37	8	5.86	4	1.12	4	84.57	5	33.07	4	7.77	15	4.20	22
FM 832 LL	1120	20	40.45	18	9.33	11	5.31	11	1.12	5	84.47	6	31.83	6	7.57	18	4.30	19
ST 5454B2R	1116	21	38.66	22	9.13	13	5.39	10	1.05	22	82.97	22	29.23	21	8.43	7	4.70	8
FM 800 BR	1112	22	39.81	20	9.67	4	5.24	15	1.14	1	85.23	1	30.80	18	7.43	21	3.73	24
ST 6848R	1110	23	38.01	24	8.47	17	5.30	12	1.08	13	84.17	8	34.77	1	8.43	6	4.47	16
FM 991 B2R	1043	24	38.49	23	9.63	6	5.39	8	1.13	3	83.87	13	31.30	9	7.47	19	4.23	21
Mean	1181		41.48		8.95		5.29		1.08		83.91		31.02		8.01		4.54	
LSD (.10)	64		3.31		0.73		0.67		0.03		0.95		1.97		0.32		0.38	
CV(%)	5.64		5.82		5.93		9.26		2.23		0.83		4.64		2.92		6.13	
R-SQUARE	0.55		0.53		0.80		0.62		0.75		0.59		0.74		0.88		0.69	
REPS	6		3		3		3		3		3		3		3		3	

Shaded values not significantly different from highest value.

PLANTED ON 04/28/04, HARVESTED ON 09/30/04

Table 41. Verona . MS location of the Hill Region Mid Maturity Test in the 2004 Mississippi State University Cotton Variety Trial grown on a Leeper Fine Sandy Loam Soil.

NAME	Lint Yield		Lint Percent		Seed Index		Boll Size		Length		Uniformity Index		Strength		Elongation		Micronaire	
	-lbs/ac-	r	-%-	r	-g-	r	-g-	r	-inch-	r	-%-	r	-g/tex-	r	-%-	r	-mic-	r
DP 494 RR	1544	1	42.85	5	8.88	13	5.48	8	1.12	10	84.40	10	32.75	7	8.10	8	4.45	6
ST 5599BR	1534	2	42.44	7	9.55	8	5.55	5	1.11	16	83.93	15	32.08	10	7.55	18	4.00	19
DP 493	1479	3	43.63	2	8.60	16	5.44	9	1.12	12	83.40	24	31.58	13	7.45	20	4.65	2
DP 555 BG/RR	1455	4	44.61	1	7.85	24	4.98	16	1.11	13	83.58	22	29.65	21	7.18	24	4.38	9
DP 491	1449	5	43.57	3	8.73	15	5.48	7	1.16	4	84.80	6	33.15	5	7.88	12	4.18	14
DPLX02T57R	1406	6	40.08	18	9.40	10	5.40	12	1.09	23	83.68	20	29.85	20	8.50	2	4.38	8
ST 5242BR	1362	7	42.56	6	9.70	5	5.41	10	1.09	22	83.98	14	27.08	24	7.53	19	3.78	23
ST 6636BR	1348	8	39.26	21	8.28	21	4.76	20	1.12	11	83.88	16	32.70	8	7.80	13	4.28	11
FM 991 B2R	1347	9	37.86	24	9.95	3	5.32	13	1.14	6	84.55	8	31.58	12	7.25	23	4.13	15
DP 488 BG/RR	1345	10	42.23	8	8.58	18	5.50	6	1.15	5	84.60	7	32.05	11	7.95	10	4.08	17
PSC 355	1339	11	40.18	17	9.65	7	4.91	18	1.11	14	84.38	11	31.13	15	8.78	1	4.75	1
FM 800 RR	1336	12	41.70	9	10.13	1	5.84	1	1.11	15	85.03	4	34.28	2	8.10	7	4.40	7
DP 5415 RR	1303	13	39.54	20	8.20	22	4.69	21	1.10	20	83.78	18	30.00	18	8.30	5	4.50	5
ST 5303R	1301	14	40.56	13	9.65	6	5.40	11	1.06	24	83.88	17	33.10	6	8.25	6	4.63	3
DP 445 BG/RR	1283	15	41.47	10	8.83	14	5.01	15	1.11	18	84.28	12	29.88	19	8.08	9	4.08	16
ST 6848R	1268	16	39.14	22	8.58	17	4.84	19	1.13	9	85.10	3	34.60	1	8.35	3	4.33	10
FM 832 LL	1263	17	40.50	14	10.05	2	5.83	2	1.17	2	85.58	2	33.33	4	7.68	16	3.98	21
FM 800 BR	1242	18	41.45	11	9.45	9	5.69	4	1.18	1	85.80	1	32.23	9	7.70	15	3.70	24
DP 543 BGII/RR	1233	19	40.97	12	8.98	12	4.96	17	1.13	8	84.10	13	30.65	17	7.38	21	4.23	13
DP 455 BG/RR	1204	20	42.97	4	8.05	23	4.67	23	1.13	7	83.60	21	31.43	14	7.33	22	3.80	22
DP 449 BG/RR	1202	21	39.61	19	8.53	20	4.65	24	1.10	19	83.75	19	30.98	16	7.58	17	4.25	12
SG 747	1195	22	40.41	16	9.20	11	5.12	14	1.11	17	84.55	9	28.03	23	8.35	4	4.53	4
FM 800 B2R	1134	23	40.44	15	9.78	4	5.74	3	1.17	3	84.88	5	33.80	3	7.73	14	3.98	20
ST 5454B2R	983	24	38.29	23	8.55	19	4.69	22	1.09	21	83.58	23	29.08	22	7.95	11	4.00	18
Mean	1315		41.10		9.05		5.22		1.12		84.29		31.46		7.86		4.23	
LSD (.10)	149		0.81		0.60		0.38		0.02		0.71		1.28		0.33		0.31	
CV(%)	9.61		1.67		5.60		6.11		1.58		0.71		3.44		3.56		6.32	
R-SQUARE	0.61		0.90		0.70		0.67		0.78		0.65		0.83		0.78		0.61	
REPS	4		4		4		4		4		4		4		4		4	

Shaded values not significantly different from highest value.

PLANTED ON 05/03/04, HARVESTED ON 10/07/04

Table 42. Durant, MS location of the Hill Region Mid Maturity Test in the 2004 Mississippi State University Cotton Variety Trial grown on an Oaklimiter Silty Loam Soil.

NAME	Lint Yield		Lint Percent		Seed Index		Boll Size		Length		Uniformity Index		Strength		Elongation		Micronaire	
	-lbs/ac-	r	-%-	r	-g-	r	-g-	r	-inch-	r	-%-	r	-g/tex-	r	-%-	r	-mic-	r
DP 445 BG/RR	1072	1	41.24	12	10.20	18	5.34	18	1.15	10	84.53	14	29.23	17	8.30	2	4.97	15
DP 455 BG/RR	1070	2	43.00	3	9.60	22	4.93	23	1.14	16	84.40	16	29.50	15	7.27	21	4.70	22
ST 5303R	1060	3	40.44	15	10.97	11	5.88	8	1.09	23	84.50	15	31.70	7	7.97	9	5.27	6
DP 555 BG/RR	1052	4	43.68	1	9.37	23	5.22	19	1.12	19	83.60	23	27.83	21	6.93	24	4.87	19
ST 5242BR	1048	5	41.52	8	12.73	2	6.30	5	1.10	22	85.10	7	27.03	23	7.97	10	4.90	17
FM 800 BR	1039	6	42.23	5	11.73	6	6.57	3	1.19	2	86.03	2	32.13	5	7.77	12	4.83	20
SG 747	1029	7	41.28	10	11.10	10	5.54	13	1.12	21	84.67	12	26.00	24	8.23	6	5.27	5
DP 543 BGII/RR	1028	8	40.90	14	9.77	20	5.45	14	1.14	13	84.13	21	29.47	16	7.33	20	5.13	10
FM 991 B2R	1024	9	39.14	21	11.43	7	5.61	11	1.18	7	84.60	13	30.33	12	7.27	23	4.53	24
DP 488 BG/RR	1004	10	41.35	9	10.57	14	5.90	7	1.19	3	85.87	4	31.50	8	7.77	13	5.07	14
DPLX02T57R	987	11	39.66	18	10.70	12	5.61	12	1.08	24	84.27	19	27.87	20	8.30	3	4.63	23
FM 832 LL	983	12	39.52	20	12.30	3	7.19	1	1.21	1	86.17	1	32.43	3	7.50	18	4.97	16
ST 5599BR	965	13	41.66	7	11.80	5	6.19	6	1.14	17	84.40	17	30.33	13	7.50	19	5.13	12
DP 449 BG/RR	919	14	40.07	16	9.80	19	4.92	24	1.14	11	84.10	22	31.73	6	7.67	14	4.90	18
DP 494 RR	909	15	41.78	6	10.33	16	5.66	9	1.16	8	84.97	9	30.73	10	8.03	8	5.33	2
ST 6636BR	907	16	38.02	24	10.43	15	5.35	16	1.14	15	84.23	20	31.37	9	7.63	15	5.20	7
FM 800 RR	895	17	41.27	11	12.77	1	6.55	4	1.16	9	86.00	3	34.73	2	8.10	7	5.17	9
FM 800 B2R	892	18	41.19	13	11.80	4	6.67	2	1.18	6	85.20	6	32.17	4	7.60	16	4.83	21
PSC 355	888	19	39.63	19	11.17	9	5.01	22	1.12	20	84.97	10	30.03	14	8.77	1	5.30	3
ST 5454B2R	886	20	38.61	22	11.40	8	5.35	17	1.14	14	85.00	8	29.10	18	8.23	5	5.27	4
DP 493	876	21	43.60	2	9.23	24	5.39	15	1.13	18	83.50	24	28.53	19	7.27	22	5.13	11
DP 5415 RR	818	22	39.85	17	9.63	21	5.16	21	1.14	12	84.27	18	27.60	22	7.90	11	5.07	13
ST 6848R	793	23	38.43	23	10.67	13	5.20	20	1.18	5	85.40	5	35.30	1	8.23	4	5.37	1
DP 491	674	24	42.48	4	10.23	17	5.61	10	1.19	4	84.73	11	30.67	11	7.53	17	5.20	8
Mean	951		40.86		10.82		5.69		1.15		84.78		30.31		7.79		5.04	
LSD (.10)	120		1.22		0.68		0.37		0.02		0.85		1.58		0.31		0.22	
CV(%)	13.20		2.18		4.59		4.73		1.41		0.73		3.80		2.90		3.15	
R-SQUARE	0.54		0.82		0.87		0.88		0.86		0.68		0.86		0.85		0.76	
REPS	6		3		3		3		3		3		3		3		3	

Shaded values not significantly different from highest value.

PLANTED ON 05/26/04, HARVESTED ON 11/10/04

Table 43. Raymond, MS location of the Hill Region Mid Maturity Test in the 2004 Mississippi State University Cotton Variety Trial grown on a Loring Silt Loam Soil.

NAME	Lint Yield		Lint Percent		Seed Index		Boll Size		Length		Uniformity Index		Strength		Elongation		Micronaire	
	-lbs/ac-	r	-%-	r	-g-	r	-g-	r	-inch-	r	-%-	r	-g/tex-	r	-%-	r	-mic-	r
DP 488 BG/RR	2284	1	42.33	7	10.27	9	6.20	2	1.16	5	85.33	6	31.73	12	7.37	15	4.73	9
ST 5599BR	2064	2	42.16	8	10.33	8	6.31	1	1.10	16	83.90	21	31.73	13	7.30	19	4.50	17
DP 491	2036	3	44.19	2	9.37	18	5.95	8	1.18	1	84.80	8	33.43	3	7.43	13	4.70	11
DP 555 BG/RR	2010	4	45.16	1	8.40	24	4.94	24	1.09	18	83.10	24	30.07	20	7.00	24	4.97	4
PSC 355	1990	5	40.55	16	9.93	13	5.05	20	1.09	19	84.30	16	30.23	18	8.50	1	4.87	7
SG 747	1970	6	41.81	11	10.60	4	5.92	9	1.12	11	85.70	3	28.27	23	8.03	5	4.93	5
FM 800 BR	1963	7	41.46	13	10.40	7	6.10	3	1.18	2	85.87	2	32.00	11	7.33	17	4.03	23
DP 449 BG/RR	1955	8	40.82	15	9.10	21	4.94	23	1.12	12	84.43	12	31.37	14	7.47	12	4.53	16
ST 6848R	1947	9	38.44	24	10.53	5	5.59	14	1.14	7	84.93	7	33.90	2	7.80	8	4.67	12
DP 493	1930	10	44.08	3	8.97	22	5.33	18	1.10	17	83.93	19	30.20	19	7.23	22	4.80	8
FM 800 RR	1907	11	41.10	14	11.13	1	5.97	6	1.14	8	86.00	1	34.17	1	7.63	11	4.33	19
DP 494 RR	1905	12	43.36	5	9.37	19	5.77	12	1.10	15	84.77	9	32.30	8	8.03	3	5.03	3
DP 5415 RR	1891	13	41.98	9	9.63	15	5.23	19	1.11	13	84.70	10	30.83	15	8.03	4	5.10	1
ST 6636BR	1863	14	40.01	18	10.03	12	5.60	13	1.17	3	85.60	5	32.97	4	7.67	10	4.70	10
DP 455 BG/RR	1858	15	43.90	4	8.90	23	4.97	22	1.13	9	83.90	20	32.23	9	7.27	20	4.30	20
DP 543 BG/II/RR	1853	16	42.46	6	9.10	20	5.03	21	1.07	21	83.77	22	30.73	17	7.33	18	4.93	6
DP 445 BG/RR	1841	17	41.84	10	9.43	17	5.50	15	1.10	14	84.37	15	29.97	21	7.77	9	4.60	15
ST 5454B2R	1812	18	39.11	21	10.07	11	5.90	10	1.09	20	84.43	13	32.13	10	8.17	2	5.07	2
ST 5242BR	1798	19	40.27	17	10.83	2	5.96	7	1.07	23	83.70	23	27.53	24	7.37	16	4.13	22
ST 5303R	1784	20	41.51	12	9.53	16	5.36	17	1.05	24	84.40	14	32.90	5	7.97	6	4.63	13
FM 991 B2R	1775	21	38.92	22	10.80	3	5.37	16	1.12	10	84.13	18	32.87	6	7.23	21	4.43	18
FM 832 LL	1746	22	38.91	23	9.63	14	6.00	5	1.16	6	84.47	11	30.83	16	7.07	23	4.03	24
DPLX02T57R	1702	23	39.14	20	10.20	10	5.80	11	1.07	22	84.30	17	29.87	22	7.83	7	4.63	14
FM 800 B2R	1660	24	39.95	19	10.53	6	6.05	4	1.17	4	85.67	4	32.30	7	7.37	14	4.20	21
Mean	1898		41.39		9.88		5.62		1.12		84.60		31.44		7.59		4.62	
LSD (.10)	88		1.54		0.92		0.45		0.02		0.87		1.80		0.38		0.26	
CV(%)	3.93		2.72		6.78		5.82		1.54		0.75		4.18		3.65		4.06	
R-SQUARE	0.81		0.82		0.63		0.73		0.88		0.69		0.71		0.76		0.82	
REPS	4		3		3		3		3		3		3		3		3	

Shaded values not significantly different from highest value.

PLANTED ON 05/06/04, HARVESTED ON 10/26/04

Table 44. Desoto Co., MS location of the Hill Region Mid Maturity Test in the 2004 Mississippi State University Cotton Variety Trial grown on a Collins Silt Loam Soil.

NAME	Lint Yield		Lint Percent		Seed Index		Boll Size		Length		Uniformity Index		Strength		Elongation		Micronaire	
	-lbs/ac-	r	-%-	r	-g-	r	-g-	r	-inch-	r	-%-	r	-g/tex-	r	-%-	r	-mic-	r
DP 445 BG/RR	1462	1	41.84	10	10.50	14	6.24	11	1.16	10	85.20	8	30.63	19	8.30	8	4.73	6
FM 800 BR	1459	2	41.46	13	11.20	6	6.12	14	1.19	4	85.77	3	32.17	9	7.60	19	3.97	21
DP 493	1425	3	44.08	3	9.30	23	5.88	22	1.16	11	84.33	17	31.10	17	7.70	18	4.50	16
ST 5242BR	1422	4	40.27	17	12.70	1	7.11	1	1.09	23	84.20	20	28.77	23	8.17	12	4.50	14
ST 5303R	1416	5	41.51	12	10.53	13	6.55	4	1.07	24	84.50	16	34.07	4	8.37	6	4.70	8
SG 747	1411	6	41.81	11	11.60	3	6.22	12	1.14	17	85.03	12	28.30	24	8.30	9	4.93	2
DP 488 BG/RR	1406	7	42.33	7	10.40	16	6.71	3	1.17	8	84.73	15	32.10	11	7.97	14	4.70	9
DP 455 BG/RR	1391	8	43.90	4	9.73	20	5.28	24	1.17	7	85.03	11	31.60	13	7.47	22	3.87	24
ST 5599BR	1391	9	42.16	8	11.47	4	6.44	7	1.14	15	84.00	21	31.60	14	7.90	17	4.50	15
DPLX02T57R	1380	10	39.14	20	10.90	9	6.33	10	1.10	22	83.60	24	29.63	22	8.50	4	4.53	13
FM 832 LL	1358	11	38.91	23	10.90	8	6.75	2	1.21	2	85.50	4	32.10	10	7.37	24	3.97	23
DP 494 RR	1355	12	43.36	5	10.47	15	6.14	13	1.14	14	84.23	19	33.07	8	8.30	7	4.73	5
PSC 355	1351	13	40.55	16	10.57	12	5.58	23	1.13	18	85.20	9	31.17	16	9.20	1	4.90	3
DP 555 BG/RR	1341	14	45.16	1	8.87	24	6.08	16	1.14	13	83.63	23	30.50	20	7.43	23	4.57	12
DP 491	1330	15	44.19	2	10.27	18	5.92	20	1.22	1	85.80	1	33.57	5	7.90	16	4.33	19
FM 800 RR	1306	16	41.10	14	9.97	19	6.12	15	1.15	12	85.23	7	35.03	3	8.03	13	4.10	20
FM 800 B2R	1303	17	39.95	19	10.57	11	6.36	9	1.19	5	85.33	5	33.23	7	7.57	21	3.97	22
DP 543 BGII/RR	1300	18	42.46	6	9.67	21	5.91	21	1.12	19	83.97	22	30.67	18	7.60	20	4.63	11
DP 449 BG/RR	1276	19	40.82	15	10.27	17	5.93	19	1.12	20	85.00	13	33.40	6	8.23	10	4.83	4
DP 5415 RR	1248	20	41.98	9	9.63	22	6.04	18	1.14	16	84.83	14	29.90	21	8.63	2	4.70	7
ST 6636BR	1246	21	40.01	18	10.87	10	6.36	8	1.18	6	85.17	10	31.87	12	8.23	11	4.43	17
ST 5454B2R	1232	22	39.11	21	10.93	7	6.05	17	1.12	21	84.27	18	31.23	15	8.43	5	4.63	10
FM 991 B2R	1207	23	38.92	22	12.63	2	6.46	6	1.20	3	85.23	6	35.33	2	7.90	15	4.37	18
ST 6848R	1152	24	38.44	24	11.37	5	6.51	5	1.17	9	85.80	2	35.70	1	8.57	3	5.00	1
Mean	1340		39.39		10.64		6.21		1.15		84.82		31.95		8.07		4.50	
LSD (.10)	91		1.50		0.78		0.53		0.04		1.06		1.65		0.35		0.30	
CV(%)	7.06		2.78		5.34		6.23		2.45		0.92		3.78		3.14		4.82	
R-SQUARE	0.52		0.79		0.80		0.60		0.72		0.52		0.80		0.83		0.77	
REPS	6		3		3		3		3		3		3		3		3	

Shaded values not significantly different from highest value.

PLANTED ON 04/27/04, HARVESTED ON 10/05/04

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