



Mississippi COTTON

VARIETY TRIALS, 2007



MISSISSIPPI AGRICULTURAL & FORESTRY EXPERIMENT STATION • VANCE H. WATSON, DIRECTOR

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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 171440 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.

2007 Mississippi Cotton Variety Trials

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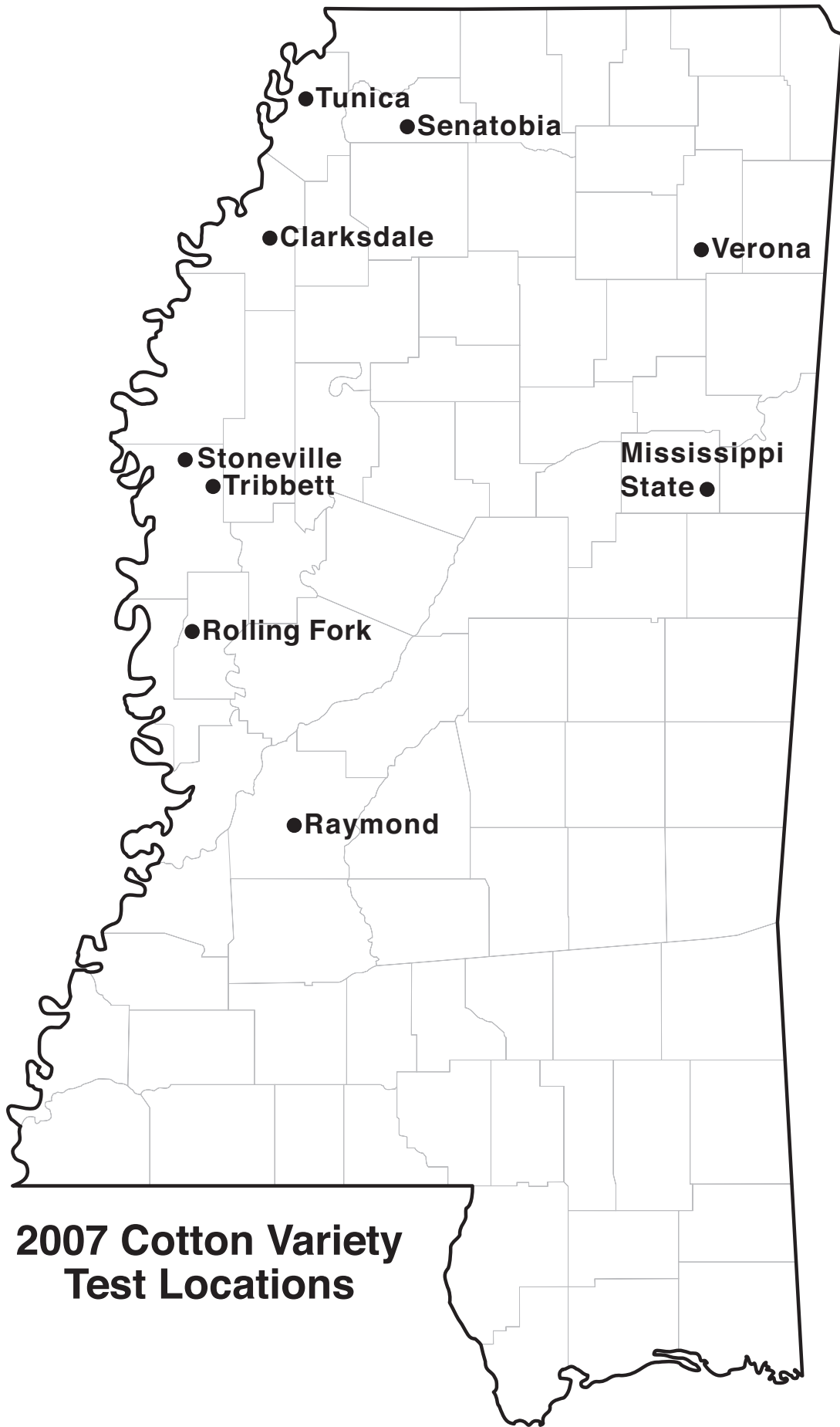
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Most of the variety trial locations are on research stations throughout the state. Trials that are planted on commercial farms give an added dimension to the results. While on-farm trials present logistical obstacles to researchers and to producer-cooperators, 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 Sammy Soignier of the Raymond Experiment Station, Robert Sullivan and Jim Nichols of the Cotton Improvement Program at Delta Research and Extension Center for their technical assistance, Mark Silva for providing weather information, Dr. Dennis Rowe for his statistical assistance, and also to the Mississippi cotton producers who allowed us to conduct these variety trials on their farms and often put up with the aggravation of farming around small-plot research:

George Perry, Tunica	Cliff Heaton, Clarksdale
Clark Carter, Rolling Fork	Kenny Hurt, Senatobia



**2007 Cotton Variety
Test Locations**

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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. Results are reported for varieties submitted by cottonseed companies wishing to participate in the trial.

All varieties, regardless of transgenes present, were evaluated in tests under standard management practices, including chemical control of insects with conventional insecticides. Tests are designed to estimate variety yield potential and not potential advantages offered by transgenic traits or a particular "production system".

In all tests, seed of each variety was supplied by the company that desired to participate in the trial. 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, Early and Mid, based on maturity as determined by the company submitting each variety. The Early-Maturity Cotton Variety Test was comprised of 46 varieties and the Mid-Maturity Cotton Variety Test was comprised of 16 varieties. The New Entry Test was comprised of 26 varieties. This test provides for the evaluation of varieties not previously tested in the Mississippi Variety Trials but are scheduled for commercial release within one year. Deltapine 555 BG/RR, Deltapine 444 BG/RR, PHY 370 WR and Stoneville 5599 BR were included as check varieties in all trials.

The Early-Maturity and Mid-Maturity Variety Tests were conducted at five Delta (Stoneville, Clarksdale, Rolling Fork, Tribbett, Tunica) and four Hill locations (Miss. State, Senatobia, Raymond, and Verona). The New Entry Test was conducted at two Delta (Stoneville and Tribbett) and two Hill locations (Miss. State and Verona).

All test plots consisted of two rows, 40 feet in length, with a row spacing of 38 or 40 inches. Experimental design for each trial consisted of a Randomized Complete Block with 4 replications. Estimation of lint percentage, boll size, seed index (weight in grams of 100 fuzzy seed), and fiber properties was based upon hand-picked 50-boll samples from 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. Yield determinations were based on the weight of seed cotton mechanically harvested from two-row plots and the weight of seed cotton hand-picked for boll samples.

Summary statistics are presented at the bottom of the by location tables to aid 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, but not statistically different when variability in the test is taken into account. The Least Significant Difference (LSD) value 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 not be considered different.

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 value, the less precise a given trial. The R^2 value is another measure of relative precision. The higher the R^2 value, the more precise a given trial.

For the results across locations, the averages were presented without statistics. Due to the differences in soil texture, rainfall, and management level among the different test locations, the interactions are highly significant and were not presented.

Results and Conclusions

The 2007 growing season could be described as “nearly” normal. Some locations experienced medium water stress. Plant bugs and spider mites were also problems at several locations, especially at Stoneville, and most likely had an impact on yield; even though insecticides were sprayed over ten times. Due to rainy weather at some locations, harvest was delayed much later than normal.

A given variety may perform extremely well or extremely poorly due either to chance variation or to its response to environmental conditions in that particular site and year. Because of that, it is important 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 should be put in varieties that have performed well over two or more years than 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.

Results of these variety trials should be used as a guide in conjunction with all other available sources of information, such as personal experience, demonstration plots, and even out of state trials when making variety selection decisions. .

Entry Designation Abbreviations and Affiliated Companies

Abbreviation	Company
DG	United Agri. Pro (UAP)
FM	Bayer CropScience
AM	Americot, Inc
DP	Delta and Pine Land (Monsanto)
CG	Cropland Genetics
GVS	USDA-ARS
ST	Stoneville
Linwood	Seed-Tec Genetics
CT	Seed-Tec Genetics
PHY	Phytogen (Dow AgroSciences)
MISCOT	Miss. State Univ. Cotton

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Table 1. Average[†] lint yield and fiber quality traits over locations in the Delta Region Early Maturity Test in the 2007 Mississippi State University Cotton Variety Trials.

Variety	Lint Yield lb/a	Lint Percent %	Seed Index g	Boll Size g	Length inch	Uniformity		Elongation %	Micronaire mic
						Index %	Strength g/tex		
DP 434 RR	1583	41.97	10.02	5.55	1.19	84.94	28.83	8.02	4.96
DP 445 BG/RR	1518	41.11	10.12	5.57	1.17	85.45	31.74	8.55	5.15
DP 117 B2RF	1509	40.45	10.40	5.48	1.17	84.85	33.27	8.31	5.15
DP 515 BG/RR	1435	41.38	9.74	5.06	1.16	84.38	31.43	7.98	5.27
DP 454 BG/RR	1421	42.85	9.59	5.41	1.12	84.63	30.53	7.78	4.87
PHY 370 WR--CK	1412	41.95	10.30	5.37	1.12	84.64	32.44	8.51	5.44
ST 4664 RF	1404	40.49	10.35	5.64	1.15	84.92	31.17	8.76	5.14
ST 4498 B2RF	1396	39.69	10.15	5.42	1.15	85.63	33.53	9.02	5.05
DG CT07343 RF	1395	42.82	10.45	5.54	1.15	85.11	30.57	8.75	5.16
DG 2490 B2RF	1394	39.05	10.44	5.08	1.14	84.87	29.53	8.35	4.56
PHY 310 R	1389	42.55	10.41	5.40	1.11	84.42	33.09	8.69	5.43
DP 444 BG/RR--CK	1384	41.05	10.56	5.52	1.15	84.64	30.90	8.03	4.82
DP 455 BG/RR	1383	42.15	9.31	5.03	1.17	84.34	32.38	7.71	4.84
ST 4596 B2RF	1373	38.27	10.52	5.44	1.20	85.50	32.09	8.93	5.38
PHY 485 WRF	1371	39.94	9.69	4.97	1.16	85.21	32.55	8.90	5.20
DP 432 RR	1368	40.74	9.88	5.05	1.14	85.20	32.06	8.60	5.31
ST 5599 BR--CK	1354	39.97	11.21	6.05	1.16	84.63	31.84	7.98	5.30
PHY 425 RF	1352	39.56	10.30	4.87	1.16	85.29	32.65	8.95	5.40
ST 4427 B2RF	1346	39.32	10.16	5.06	1.16	84.69	32.22	8.05	5.04
ST 4357 B2RF	1335	40.06	10.31	4.85	1.19	84.98	29.11	8.02	4.86
CG 3020 B2RF	1335	38.87	10.67	5.05	1.13	84.78	29.74	8.38	4.96
DG 2520 B2RF	1335	39.76	10.37	5.05	1.20	85.19	28.75	8.04	4.86
ST 4678 B2RF	1314	37.64	10.78	5.27	1.18	85.58	31.26	8.25	5.30
ST 4554 B2RF	1310	39.56	10.67	5.45	1.16	85.02	31.61	8.86	5.27
DP 121 RF	1308	42.09	9.60	5.22	1.17	85.13	32.70	8.55	5.31
CG 4020 B2RF	1307	39.60	10.13	5.02	1.19	85.05	29.17	8.05	4.91
ST 5242 BR	1304	40.24	12.03	6.08	1.13	84.55	29.35	7.97	5.00
DG 2100 B2RF	1302	38.69	10.78	5.01	1.14	85.28	29.48	8.26	4.93
DG 2242 B2RF	1299	38.92	10.11	4.82	1.18	84.92	28.48	8.18	4.93
CG 3520 B2RF	1292	39.10	10.09	4.66	1.18	85.16	28.62	8.15	4.88
ST 5327 B2RF	1290	40.99	9.85	5.12	1.17	85.46	32.17	8.48	5.09
PHY 480 WR	1285	38.95	10.30	4.81	1.17	85.45	32.29	8.84	5.15
MISCOT 0141-15ne	1249	38.84	11.44	5.91	1.11	84.15	35.37	8.70	5.82
DP 393	1237	40.46	10.40	5.36	1.18	85.68	32.33	8.76	5.30
MISCOT 8824-8	1206	39.76	10.64	5.59	1.15	85.01	33.45	8.69	5.53
DP 147 RF	1204	40.17	10.32	5.44	1.24	85.20	31.77	7.79	4.78
DP 555 BG/RR--CK	1197	43.85	8.24	5.01	1.15	83.96	30.64	7.55	5.18
MISCOT 8913-2	1193	38.80	10.67	5.23	1.16	84.87	31.97	8.16	5.28
FM 1600 LL	1181	39.75	11.24	5.63	1.19	85.44	34.82	7.86	5.08
ST 6351 B2RF	1172	37.37	11.09	5.65	1.21	85.22	30.90	8.03	5.05
FM 9068 F	1145	38.68	11.94	5.73	1.23	85.71	33.38	8.07	4.86
DP 143 B2RF	1138	38.43	10.34	5.33	1.25	85.05	30.00	7.83	4.82
FM 9063 B2F	1073	37.83	12.01	5.49	1.23	85.39	33.54	7.95	4.92
FM 955 LLB2	1070	36.05	12.87	5.77	1.22	85.32	32.11	7.91	5.25
FM 9060 F	1066	39.82	10.65	5.29	1.22	85.00	30.71	7.57	4.79
FM 1735 LLB2	1059	38.38	11.04	5.20	1.16	85.08	33.86	7.80	5.08
MEAN	1304	39.96	10.48	5.32	1.17	85.02	31.53	8.27	5.10
REPS	18	18	18	18	18	18	18	18	18

[†]Least squares means.

Table 2. 2007 Mississippi State University Delta Region Early Maturity Cotton Variety Trial - yield, loan value, and per acre returns.

Variety	Lint Yield lb/a	Lint Percent %	Estimated	Loan Price [†] cents/lb	Lint Value \$/a	Seed Value ^{††} \$/a	Gross Return \$/a
			Seed Yield lb/a				
DP 434 RR	1583	41.97	2329	55.80	866	151	1017
DP 445 BG/RR	1518	41.11	2222	53.65	795	144	939
DP 117 B2RF	1509	40.45	2180	53.65	780	142	922
DP 515 BG/RR	1435	41.38	2161	53.55	772	140	912
DP 454 BG/RR	1421	42.85	2156	56.20	808	140	948
PHY 370 WR--CK	1412	41.95	2144	52.65	753	139	892
ST 4664 RF	1404	40.49	2122	53.65	759	138	897
ST 4498 B2RF	1396	39.69	2090	53.75	749	136	885
DG CT07343 RF	1395	42.82	2078	53.65	743	135	878
DG 2490 B2RF	1394	39.05	2075	56.05	775	135	910
PHY 310 R	1389	42.55	2065	52.55	723	134	857
DP 444 BG/RR--CK	1384	41.05	2053	56.25	770	133	903
DP 455 BG/RR	1383	42.15	2048	56.15	767	133	900
ST 4596 B2RF	1373	38.27	2035	52.80	716	132	848
PHY 485 WRF	1371	39.94	2035	53.65	728	132	860
DP 432 RR	1368	40.74	2016	52.70	708	131	839
ST 5599 BR--CK	1354	39.97	2012	53.65	720	131	851
PHY 425 RF	1352	39.56	2007	52.70	705	130	835
ST 4427 B2RF	1346	39.32	2007	53.65	718	130	848
ST 4357 B2RF	1335	40.06	2005	55.80	746	130	876
CG 3020 B2RF	1335	38.87	1996	56.00	745	130	875
DG 2520 B2RF	1335	39.76	1995	55.80	742	130	872
ST 4678 B2RF	1314	37.64	1987	52.80	699	129	828
ST 4554 B2RF	1310	39.56	1976	53.65	707	128	835
DP 121 RF	1308	42.09	1969	52.70	692	128	820
CG 4020 B2RF	1307	39.60	1967	55.80	732	128	860
ST 5242 BR	1304	40.24	1959	53.15	694	127	821
DG 2100 B2RF	1302	38.69	1949	55.80	725	127	852
DG 2242 B2RF	1299	38.92	1902	55.80	708	124	832
CG 3520 B2RF	1292	39.10	1888	55.80	702	123	825
ST 5327 B2RF	1290	40.99	1881	53.65	673	122	795
PHY 480 WR	1285	38.95	1868	53.65	668	121	789
MISCOT 0141-15ne	1249	38.84	1867	51.95	647	121	768
DP 393	1237	40.46	1843	53.75	660	120	780
MISCOT 8824-8	1206	39.76	1829	52.70	643	119	762
DP 147 RF	1204	40.17	1826	56.25	685	119	804
DP 555 BG/RR--CK	1197	43.85	1826	53.55	652	119	771
MISCOT 8913-2	1193	38.80	1822	53.65	652	118	770
FM 1600 LL	1181	39.75	1818	53.65	650	118	768
ST 6351 B2RF	1172	37.37	1793	53.65	641	117	758
FM 9068 F	1145	38.68	1786	56.35	671	116	787
DP 143 B2RF	1138	38.43	1770	56.05	661	115	776
FM 9063 B2F	1073	37.83	1755	56.25	658	114	772
FM 955 LLB2	1070	36.05	1719	53.65	615	112	727
FM 9060 F	1066	39.82	1692	56.25	635	110	745
FM 1735 LLB2	1059	38.38	1687	53.65	603	110	713

[†] A color and leaf grade of 41-2 was assumed for all calculations.

^{††} Estimates based upon a seed value of \$130 per ton.

[†] **Loan Price** was determined by entering OVT fiber data into the **Cotton Loan 2007 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. 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 3. Average[†] lint yield for each location in the Delta Region Early Maturity Test in the 2007 Mississippi State University Cotton Variety Trials.

Variety	STONEVILLE	CLARKSDALE	ROLLING FORK	TRIBBETT	TUNICA	OVER LOCATIONS
	Lint Yield lb/a	Lint Yield lb/a	Lint Yield lb/a	Lint Yield lb/a	Lint Yield lb/a	Lint Yield lb/a
DP 434 RR	1316	2193	1251	1416	1739	1583
DP 445 BG/RR	1266	1804	1223	1391	1905	1518
DP 117 B2RF	1321	1522	1499	1470	1732	1509
DP 515 BG/RR	1115	2047	1332	1267	1416	1435
DP 454 BG/RR	1109	1547	1283	1334	1828	1421
PHY 370 WR--CK	1180	1340	1487	1325	1727	1412
ST 4664 RF	1106	1762	1209	1394	1551	1404
ST 4498 B2RF	1083	1685	1360	1258	1593	1396
DG CT07343 RF	1137	1614	1219	1322	1683	1395
DG 2490 B2RF	1198	1652	1305	1278	1534	1394
PHY 310 R	1106	1555	1244	1402	1640	1389
DP 444 BG/RR--CK	1228	1780	927	1445	1540	1384
DP 455 BG/RR	996	1780	1201	1268	1669	1383
ST 4596 B2RF	1004	1714	1148	1325	1676	1373
PHY 485 WRF	1133	1740	1061	1411	1510	1371
DP 432 RR	1140	1686	1265	1381	1366	1368
ST 5599 BR--CK	1132	1668	1163	1222	1587	1354
PHY 425 RF	1187	1603	1084	1467	1417	1352
ST 4427 B2RF	1233	1454	1248	1325	1469	1346
ST 4357 B2RF	1236	1239	1328	1333	1539	1335
CG 3020 B2RF	1171	1375	1237	1391	1500	1335
DG 2520 B2RF	1167	1476	1323	1336	1371	1335
ST 4678 B2RF	1255	1148	1201	1388	1579	1314
ST 4554 B2RF	1012	1449	1133	1374	1584	1310
DP 121 RF	1119	1447	1117	1217	1640	1308
CG 4020 B2RF	1178	1438	1132	1294	1493	1307
ST 5242 BR	1196	1532	929	1249	1616	1304
DG 2100 B2RF	1107	1421	1198	1413	1371	1302
DG 2242 B2RF	1064	1372	1243	1352	1464	1299
CG 3520 B2RF	1095	1392	1183	1260	1531	1292
ST 5327 B2RF	1077	1439	1102	1312	1519	1290
PHY 480 WR	1121	1520	1196	1309	1279	1285
MISCOT 0141-15ne	1101	1258	1090	1322	1472	1249
DP 393	997	1563	1060	1340	1224	1237
MISCOT 8824-8	1059	1309	985	1266	1413	1206
DP 147 RF	1036	1367	1083	1086	1449	1204
DP 555 BG/RR--CK	970	1615	1285	1097	1021	1197
MISCOT 8913-2	1019	1208	1011	1255	1474	1193
FM 1600 LL	1049	1561	936	1139	1218	1181
ST 6351 B2RF	957	1516	955	1030	1404	1172
FM 9068 F	1012	1625	861	1120	1105	1145
DP 143 B2RF	915	1397	918	1114	1345	1138
FM 9063 B2F	980	1216	962	1139	1070	1073
FM 955 LLB2	864	1452	760	1053	1219	1070
FM 9060 F	906	1301	966	979	1179	1066
FM 1735 LLB2	1040	1295	996	898	1063	1059
MEAN	1102	1523	1146	1282	1470	1304
LSD (.10)	119	414	163	151	201	
CV (%)	9.22	16.20	12.14	9.87	11.45	
R-square	0.65	0.70	0.67	0.60	0.66	
REPS	4	2	4	4	4	18

[†]Least squares means.

Table 4. Average¹ lint yield and fiber quality traits over locations in the Hill Region Early Maturity Test in the 2007 Mississippi State University Cotton Variety Trials.

Variety	Lint Yield lb/a	Lint Percent %	Seed Index g	Boll Size g	Length inch	Uniformity			
						Index %	Strength g/tex	Elongation %	Micronaire mic
PHY 370 WR--CK	1552	42.64	10.45	5.46	1.10	84.18	32.13	8.27	5.39
DP 117 B2RF	1481	40.72	10.58	5.83	1.14	84.39	33.45	8.08	5.02
DP 515 BG/RR	1453	42.56	9.61	5.50	1.12	83.39	30.67	7.76	5.42
ST 5242 BR	1441	41.65	12.16	6.30	1.10	83.86	28.30	7.63	4.89
DP 555 BG/RR--CK	1438	43.64	8.84	5.16	1.11	82.69	30.88	7.51	5.25
DP 445 BG/RR	1430	41.74	10.02	5.68	1.13	84.57	31.36	8.27	4.92
PHY 485 WRF	1415	40.78	9.89	5.05	1.14	84.73	31.93	8.68	5.20
DP 454 BG/RR	1393	43.25	9.69	5.28	1.08	83.79	30.77	7.55	4.77
MISCOT 8824-8	1385	40.64	11.37	5.77	1.12	84.49	32.60	8.40	5.55
ST 5327 B2RF	1383	41.45	9.76	5.06	1.13	84.11	31.31	8.06	5.05
ST 4596 B2RF	1377	39.57	10.64	5.45	1.17	85.01	31.03	8.78	5.16
ST 6351 B2RF	1369	38.35	10.93	6.12	1.18	84.32	30.04	7.96	4.91
ST 5599 BR--CK	1365	41.15	11.61	6.57	1.12	83.97	32.84	7.97	5.43
DP 432 RR	1356	41.15	10.03	5.29	1.12	84.53	31.10	8.30	5.31
ST 4678 B2RF	1356	38.67	10.78	5.19	1.16	84.90	30.16	8.06	5.01
PHY 480 WR	1344	39.50	10.47	4.93	1.14	85.00	32.38	8.81	5.26
FM 1600 LL	1341	40.17	11.34	5.79	1.17	84.82	34.41	7.53	5.06
DP 444 BG/RR--CK	1338	41.71	10.23	5.35	1.11	84.39	29.65	7.74	4.49
DP 143 B2RF	1338	38.81	9.67	5.43	1.22	84.10	29.61	7.52	4.74
ST 4498 B2RF	1337	40.82	9.98	5.59	1.13	84.69	32.56	8.70	4.82
ST 4427 B2RF	1330	40.56	9.92	5.06	1.13	84.24	31.73	7.98	5.10
FM 1735 LLB2	1330	39.31	11.05	5.17	1.14	84.33	33.28	7.46	4.95
DP 147 RF	1325	40.22	10.34	5.65	1.21	84.54	31.73	7.55	4.74
MISCOT 8913-2	1317	39.70	10.93	5.20	1.14	84.64	31.75	8.07	5.22
PHY 425 RF	1313	40.42	10.47	5.02	1.15	85.08	31.89	8.70	5.41
DP 455 BG/RR	1311	42.83	9.20	5.17	1.14	83.68	31.47	7.52	4.61
MISCOT 0141-15ne	1306	39.48	11.61	6.05	1.10	83.85	34.67	8.44	5.79
PHY 310 R	1299	42.73	10.53	5.69	1.11	84.13	32.33	8.41	5.32
DP 393	1268	40.90	10.84	5.45	1.17	85.38	33.01	8.62	5.11
ST 4357 B2RF	1259	40.17	10.40	5.36	1.16	84.65	28.28	7.88	4.78
DG CT07343 RF	1254	43.04	10.40	5.65	1.13	84.49	30.71	8.45	5.06
ST 4554 B2RF	1245	41.20	10.31	5.41	1.12	84.04	31.09	8.76	5.23
DG 2490 B2RF	1245	39.08	10.13	4.92	1.09	83.94	29.01	8.16	4.51
FM 9063 B2F	1229	37.99	12.09	6.15	1.20	84.57	33.54	7.89	4.89
FM 955 LLB2	1220	36.67	12.38	6.12	1.19	84.95	30.58	7.79	5.15
DP 121 RF	1218	42.45	9.76	5.24	1.14	84.46	31.85	8.29	5.31
ST 4664 RF	1217	41.24	9.99	5.37	1.12	84.40	31.06	8.80	5.08
DG 2520 B2RF	1215	39.97	10.25	5.11	1.16	84.31	28.24	7.81	4.75
DG 2242 B2RF	1212	39.18	9.84	4.61	1.16	84.46	27.71	7.94	4.67
CG 3020 B2RF	1196	39.58	10.51	5.08	1.12	84.45	28.36	8.00	4.67
CG 4020 B2RF	1191	40.29	10.39	5.25	1.16	84.61	27.81	7.75	4.73
FM 9060 F	1180	40.06	11.70	5.85	1.21	85.02	30.96	7.42	4.70
FM 9068 F	1170	39.19	12.14	6.15	1.19	85.03	33.22	7.98	4.85
DG 2100 B2RF	1146	39.42	10.34	5.12	1.10	83.96	28.02	7.87	4.65
DP 434 RR	1128	41.90	9.97	5.55	1.18	84.80	29.45	7.93	4.71
CG 3520 B2RF	1125	39.23	9.91	4.61	1.15	84.50	27.69	7.88	4.67
MEAN	1307	40.56	10.51	5.45	1.14	84.40	31.01	8.06	5.01
REPS	15	15	15	15	15	15	15	15	15

¹Least squares means.

Table 5. 2007 Mississippi State University Hill Region Early Maturity Cotton Variety Trial - yield, loan value, and per acre returns.

Variety	Lint Yield lb/a	Lint Percent %	Estimated	Loan Price [†] cents/lb	Lint Value \$/a	Seed Value ^{††} \$/a	Gross Return \$/a
			Seed Yield lb/a				
PHY 370 WR--CK	1552	42.64	2329	51.95	807	151	958
DP 117 B2RF	1481	40.72	2222	53.55	793	144	937
DP 515 BG/RR	1453	42.56	2180	52.45	762	142	904
ST 5242 BR	1441	41.65	2161	55.05	793	140	933
DP 555 BG/RR--CK	1438	43.64	2156	52.80	759	140	899
DP 445 BG/RR	1430	41.74	2144	56.20	803	139	942
PHY 485 WRF	1415	40.78	2122	53.60	758	138	896
DP 454 BG/RR	1393	43.25	2090	54.15	755	136	891
MISCOT 8824-8	1385	40.64	2078	52.55	728	135	863
ST 5327 B2RF	1383	41.45	2075	53.50	740	135	875
ST 4596 B2RF	1377	39.57	2065	53.65	738	134	872
ST 6351 B2RF	1369	38.35	2053	55.95	766	133	899
ST 5599 BR--CK	1365	41.15	2048	52.55	718	133	851
DP 432 RR	1356	41.15	2035	52.65	714	132	846
ST 4678 B2RF	1356	38.67	2035	53.45	725	132	857
PHY 480 WR	1344	39.50	2016	53.65	721	131	852
FM 1600 LL	1341	40.17	2012	53.65	720	131	851
DP 444 BG/RR--CK	1338	41.71	2007	55.90	748	130	878
DP 143 B2RF	1338	38.81	2007	55.95	749	130	879
ST 4498 B2RF	1337	40.82	2005	56.20	751	130	881
ST 4427 B2RF	1330	40.56	1996	53.50	712	130	842
FM 1735 LLB2	1330	39.31	1995	56.10	746	130	876
DP 147 RF	1325	40.22	1987	56.25	745	129	874
MISCOT 8913-2	1317	39.70	1976	53.65	707	128	835
PHY 425 RF	1313	40.42	1969	52.70	692	128	820
DP 455 BG/RR	1311	42.83	1967	56.10	736	128	864
MISCOT 0141-15ne	1306	39.48	1959	51.95	678	127	805
PHY 310 R	1299	42.73	1949	51.95	675	127	802
DP 393	1268	40.90	1902	53.65	680	124	804
ST 4357 B2RF	1259	40.17	1888	55.80	702	123	825
DG CT07343 RF	1254	43.04	1881	53.50	671	122	793
ST 4554 B2RF	1245	41.20	1868	53.50	666	121	787
DG 2490 B2RF	1245	39.08	1867	55.05	685	121	806
FM 9063 B2F	1229	37.99	1843	56.25	691	120	811
FM 955 LLB2	1220	36.67	1829	53.65	654	119	773
DP 121 RF	1218	42.45	1826	52.55	640	119	759
ST 4664 RF	1217	41.24	1826	53.50	651	119	770
DG 2520 B2RF	1215	39.97	1822	55.70	677	118	795
DG 2242 B2RF	1212	39.18	1818	55.70	675	118	793
CG 3020 B2RF	1196	39.58	1793	55.65	665	117	782
CG 4020 B2RF	1191	40.29	1786	55.80	665	116	781
FM 9060 F	1180	40.06	1770	56.25	664	115	779
FM 9068 F	1170	39.19	1755	56.25	658	114	772
DG 2100 B2RF	1146	39.42	1719	55.05	631	112	743
DP 434 RR	1128	41.90	1692	55.80	630	110	740
CG 3520 B2RF	1125	39.23	1687	55.80	628	110	738

[†] A color and leaf grade of 41-2 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 2007 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. 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 6. Average[†] lint yield for each location in the Hill Region Early Maturity Test in the 2007 Mississippi State University Cotton Variety Trials.

Variety	RAYMOND	MISS. STATE ^{†††}	VERONA	SENATOBIA	OVER LOCATIONS
	Lint Yield lb/a	Lint Yield lb/a	Lint Yield lb/a	Lint Yield lb/a	Lint Yield lb/a
PHY 370 WR--CK	1892	1462	1293	1563	1552
DP 117 B2RF	1544	1268	1414	1698	1481
DP 515 BG/RR	1691	1343	1466	1313	1453
ST 5242 BR	1597	1253	1271	1643	1441
DP 555 BG/RR--CK	1671	1445	1483	1152	1438
DP 445 BG/RR	1683	1118	1398	1520	1430
PHY 485 WRF	1499	1401	1356	1402	1415
DP 454 BG/RR	1393	1382	1382	1417	1393
MISCOT 8824-8	1713	1308	1435	1085	1385
ST 5327 B2RF	1534	1115	1328	1557	1383
ST 4596 B2RF	1483	1342	1159	1521	1377
ST 6351 B2RF	1516	1208	1351	1399	1369
ST 5599 BR--CK	1440	1161	1420	1441	1365
DP 432 RR	1632	981	1328	1485	1356
ST 4678 B2RF	1502	1065	1337	1522	1356
PHY 480 WR	1560	1326	1135	1356	1344
FM 1600 LL	1507	1359	1408	1089	1341
DP 444 BG/RR--CK	1522	1076	1255	1498	1338
DP 143 B2RF	1417	1199	1326	1409	1338
ST 4498 B2RF	1501	1002	1188	1656	1337
ST 4427 B2RF	1447	1088	1213	1574	1330
FM 1735 LLB2	1301	1373	1293	1354	1330
DP 147 RF	1692	961	1400	1246	1325
MISCOT 8913-2	1522	1261	1273	1214	1317
PHY 425 RF	1670	1191	1316	1075	1313
DP 455 BG/RR	1469	1143	1333	1299	1311
MISCOT 0141-15ne	1628	1082	1377	1138	1306
PHY 310 R	1701	847	1304	1345	1299
DP 393	1516	914	1391	1252	1268
ST 4357 B2RF	1340	1128	1106	1462	1259
DG CT07343 RF	1479	929	1292	1315	1254
ST 4554 B2RF	1532	753	1195	1502	1245
DG 2490 B2RF	1237	1065	1117	1559	1245
FM 9063 B2F	1299	1208	1138	1269	1229
FM 955 LLB2	1393	1079	1153	1253	1220
DP 121 RF	1555	798	1317	1201	1218
ST 4664 RF	1545	792	1251	1281	1217
DG 2520 B2RF	1285	1046	1039	1490	1215
DG 2242 B2RF	1307	878	1188	1474	1212
CG 3020 B2RF	1285	981	1029	1487	1196
CG 4020 B2RF	1297	936	1064	1466	1191
FM 9060 F	1482	976	1195	1068	1180
FM 9068 F	1276	1068	1272	1064	1170
DG 2100 B2RF	1234	786	1111	1454	1146
DP 434 RR	1322	881	1019	1292	1128
CG 3520 B2RF	1201	869	1045	1382	1125
MEAN	1485	1104	1265	1375	1307
LSD (.10)	227	236	150	155	
CV (%)	13.04	15.68	9.98	9.63	
R-square	0.46	0.66	0.66	0.69	
REPS	4	3	4	4	15

[†] Least squares means.

Table 7. Average[†] lint yield and fiber quality traits over locations in the Delta Region Mid Maturity Test in the 2007 Mississippi State University Cotton Variety Trials.

Variety	Lint Yield lb/a	Lint Percent %	Seed Index g	Boll Size g	Length inch	Uniformity			
						Index %	Strength g/tex	Elongation %	Micronaire mic
ST 5599 BR--CK	1411	40.86	10.54	5.57	1.14	84.06	31.66	7.90	5.15
DP 455 BG/RR	1369	42.68	8.98	4.77	1.15	83.78	32.18	7.55	4.65
ST 5283 RF	1353	41.05	9.60	4.54	1.14	84.51	32.01	8.30	4.99
ST 5458 B2RF	1349	41.22	10.25	5.27	1.15	83.88	31.60	8.06	5.31
DP 445 BG/RR	1324	41.19	9.88	5.05	1.15	84.94	31.60	8.42	4.98
DP 454 BG/RR	1315	42.79	9.32	5.00	1.11	84.56	30.38	7.63	4.78
DP 444 BG/RR--CK	1313	40.87	10.25	5.18	1.13	84.58	30.53	8.00	4.66
DP 515 BG/RR	1292	41.48	9.19	4.84	1.13	83.87	30.92	7.77	5.19
ST 5327 B2RF	1287	41.10	9.42	4.80	1.15	85.00	31.94	8.27	4.98
PHY 370 WR--CK	1270	41.72	10.38	4.82	1.11	84.18	32.47	8.44	5.23
DP 143 B2RF	1256	39.41	9.73	5.01	1.21	84.16	29.87	7.60	4.76
DP 167 RF	1203	39.81	9.54	4.91	1.19	84.67	31.54	7.93	4.87
DP 164 B2RF	1151	39.28	9.81	4.87	1.20	84.79	31.26	7.77	4.96
DP 147 RF	1078	40.32	9.77	5.00	1.20	84.50	31.49	7.72	4.80
DP 555 BG/RR--CK	1069	42.88	8.29	4.85	1.13	83.80	30.45	7.57	5.07
FM 1880 B2F	961	38.38	10.58	5.00	1.18	84.39	31.23	7.87	4.76
MEAN	1250	40.94	9.72	4.97	1.15	84.35	31.32	7.92	4.94
REPS	18	18	18	18	18	18	18	18	18

[†]Least squares means.

Table 8. 2007 Mississippi State University Delta Region Mid Maturity Cotton Variety Trial - yield, loan value, and per acre returns.

Variety	Lint Yield lb/a	Lint Percent %	Estimated		Lint Value \$/a	Seed Value ^{††} \$/a	Gross Return \$/a
			Seed Yield lb/a	Loan Price [†] cents/lb			
ST 5599 BR--CK	1411	40.86	2116	53.50	755	138	893
DP 455 BG/RR	1369	42.68	2054	56.15	769	134	903
ST 5283 RF	1353	41.05	2029	56.20	760	132	892
ST 5458 B2RF	1349	41.22	2024	52.60	710	132	842
DP 445 BG/RR	1324	41.19	1987	56.25	745	129	874
DP 454 BG/RR	1315	42.79	1973	55.40	729	128	857
DP 444 BG/RR--CK	1313	40.87	1970	56.20	738	128	866
DP 515 BG/RR	1292	41.48	1938	53.50	691	126	817
ST 5327 B2RF	1287	41.10	1931	56.25	724	126	850
PHY 370 WR--CK	1270	41.72	1905	53.50	679	124	803
DP 143 B2RF	1256	39.41	1884	55.95	703	122	825
DP 167 RF	1203	39.81	1804	56.25	677	117	794
DP 164 B2RF	1151	39.28	1726	56.25	647	112	759
DP 147 RF	1078	40.32	1617	56.25	606	105	711
DP 555 BG/RR--CK	1069	42.88	1603	53.30	570	104	674
FM 1880 B2F	961	38.38	1442	56.15	540	94	634

[†] A color and leaf grade of 41-2 was assumed for all calculations.

^{††} Estimates based upon a seed value of \$130 per ton.

[†]**Loan Price** was determined by entering OVT fiber data into the **Cotton Loan 2007 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. 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 9. Average[†] lint yield for each location in the Delta Region Mid Maturity Test in the 2007 Mississippi State University Cotton Variety Trials.

Variety	STONEVILLE	CLARKSDALE	ROLLING FORK	TRIBBETT	TUNICA	OVER LOCATIONS
	Lint Yield lb/a	Lint Yield lb/a	Lint Yield lb/a	Lint Yield lb/a	Lint Yield lb/a	Lint Yield lb/a
ST 5599 BR--CK	1065	2050	1207	1246	1486	1411
DP 455 BG/RR	1025	1872	1207	1192	1551	1369
ST 5283 RF	1216	1386	1107	1299	1756	1353
ST 5458 B2RF	1200	1664	1406	1147	1330	1349
DP 445 BG/RR	970	1398	1230	1339	1686	1324
DP 454 BG/RR	1062	1617	1130	1229	1537	1315
DP 444 BG/RR--CK	1020	1798	1065	1349	1334	1313
DP 515 BG/RR	1054	1669	1210	1246	1283	1292
ST 5327 B2RF	1073	1422	1232	1241	1468	1287
PHY 370 WR--CK	1151	1490	1285	1184	1239	1270
DP 143 B2RF	1028	1821	1023	1007	1401	1256
DP 167 RF	792	1614	1104	1197	1306	1203
DP 164 B2RF	953	1299	1143	1121	1238	1151
DP 147 RF	834	1083	1037	1068	1367	1078
DP 555 BG/RR--CK	824	1372	1149	970	1029	1069
FM 1880 B2F	679	1105	845	948	1231	961
MEAN	997	1541	1149	1161	1413	1250
LSD (.10)	189	404	172	122	232	
CV (%)	15.98	14.96	12.59	8.24	11.66	
R-square	0.55	0.83	0.54	0.70	0.67	
REPS	4	2	4	4	4	18

[†]Least squares means.

Table 10. Average[†] lint yield and fiber quality traits over locations in the Hill Region Mid Maturity Test in the 2007 Mississippi State University Cotton Variety Trials.

Variety	Lint Yield lb/a	Lint Percent %	Seed Index g	Boll Size g	Length inch	Uniformity			
						Index %	Strength g/tex	Elongation %	Micronaire mic
DP 454 BG/RR	1581	43.28	9.78	5.35	1.10	84.44	29.96	7.49	4.66
DP 515 BG/RR	1577	42.29	9.49	5.31	1.13	84.12	30.43	7.74	5.11
DP 555 BG/RR--CK	1528	43.52	8.73	5.27	1.11	83.03	30.59	7.43	5.18
PHY 370 WR--CK	1523	42.46	10.51	5.48	1.12	84.44	31.77	8.16	5.15
ST 5458 B2RF	1491	41.54	10.67	5.84	1.15	84.04	31.33	7.94	5.24
DP 455 BG/RR	1486	43.26	9.19	5.39	1.15	83.80	31.60	7.51	4.55
ST 5599 BR--CK	1486	41.42	11.53	6.49	1.13	84.10	32.21	7.87	5.21
DP 445 BG/RR	1470	42.07	9.61	5.41	1.16	84.92	31.86	7.96	4.66
DP 143 B2RF	1418	38.89	10.33	5.45	1.23	84.05	28.99	7.41	4.59
DP 444 BG/RR--CK	1363	41.55	9.93	5.35	1.13	84.52	29.38	7.78	4.48
DP 147 RF	1344	40.01	10.60	5.77	1.23	84.86	31.71	7.53	4.56
DP 164 B2RF	1314	39.30	9.89	5.17	1.19	84.45	30.28	7.69	4.85
ST 5327 B2RF	1300	41.25	9.67	5.05	1.14	84.88	31.53	8.09	4.89
ST 5283 RF	1243	41.12	9.72	5.06	1.15	84.62	31.31	7.97	4.76
FM 1880 B2F	1129	38.98	10.57	5.38	1.18	84.46	31.23	7.67	4.48
DP 167 RF	1122	39.48	10.19	5.17	1.20	85.12	31.59	7.85	4.78
MEAN	1398	41.28	10.02	5.43	1.15	84.36	30.98	7.76	4.82
REPS	16	16	16	16	16	16	16	16	16

[†]Least squares means.

Table 11. 2007 Mississippi State University Hill Region Mid Maturity Cotton Variety Trial - yield, loan value, and per acre returns.

Variety	Lint Yield lb/a	Lint Percent %	Estimated	Loan	Lint	Seed	Gross Return \$/a
			Seed Yield lbs/a	Price [†] cents/lb	Value \$/a	Value ^{††} \$/a	
DP 454 BG/RR	1581	43.28	2372	55.30	874	154	1028
DP 515 BG/RR	1577	42.29	2365	53.30	840	154	994
DP 555 BG/RR--CK	1528	43.52	2293	53.40	816	149	965
PHY 370 WR--CK	1523	42.46	2284	53.50	815	148	963
ST 5458 B2RF	1491	41.54	2237	53.55	798	145	943
DP 455 BG/RR	1486	43.26	2229	56.15	834	145	979
ST 5599 BR--CK	1486	41.42	2229	53.50	795	145	940
DP 445 BG/RR	1470	42.07	2205	56.25	827	143	970
DP 143 B2RF	1418	38.89	2127	55.70	790	138	928
DP 444 BG/RR--CK	1363	41.55	2044	55.75	760	133	893
DP 147 RF	1344	40.01	2015	56.25	756	131	887
DP 164 B2RF	1314	39.30	1972	55.95	735	128	863
ST 5327 B2RF	1300	41.25	1951	56.25	731	127	858
ST 5283 RF	1243	41.12	1864	56.25	699	121	820
FM 1880 B2F	1129	38.98	1693	56.15	634	110	744
DP 167 RF	1122	39.48	1683	56.25	631	109	740

[†] A color and leaf grade of 41-2 was assumed for all calculations.

^{††} Estimates based upon a seed value of \$130 per ton.

[†] **Loan Price** was determined by entering OVT fiber data into the **Cotton Loan 2007 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. 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 12. Average¹ lint yield for each location in the Hill Region Mid Maturity Test in the 2007 Mississippi State University Cotton Variety Trials.

Variety	RAYMOND	MISS. STATE	VERONA	SENATOBIA	OVER LOCATIONS
	Lint Yield lb/a	Lint Yield lb/a	Lint Yield lb/a	Lint Yield lb/a	Lint Yield lb/a
DP 143 B2RF	1466	1204	1505	1498	1418
DP 147 RF	1542	1189	1524	1119	1344
DP 164 B2RF	1263	1267	1288	1439	1314
DP 167 RF	1297	891	1239	1059	1122
DP 444 BG/RR--CK	1474	993	1487	1496	1363
DP 445 BG/RR	1457	1339	1476	1607	1470
DP 454 BG/RR	1490	1599	1708	1528	1581
DP 455 BG/RR	1457	1499	1595	1393	1486
DP 515 BG/RR	1726	1569	1591	1420	1577
DP 555 BG/RR--CK	1596	1619	1680	1218	1528
FM 1880 B2F	1036	1088	1121	1270	1129
PHY 370 WR--CK	1637	1262	1525	1667	1523
ST 5283 RF	1413	855	1439	1264	1243
ST 5327 B2RF	1461	980	1307	1453	1300
ST 5458 B2RF	1362	1410	1450	1741	1491
ST 5599 BR--CK	1466	1397	1545	1536	1486
MEAN	1446	1269	1468	1416	1398
LSD (.10)	194	222	165	141	
CV (%)	11.32	12.88	9.45	8.23	
R-square	0.60	0.78	0.71	0.79	
REPS	4	4	4	4	16

¹Least squares means.

Table 13. Average[†] lint yield and fiber quality traits over locations in Delta and Hill Regions New Entry Test in the 2007 Mississippi State University Cotton Variety Trials.

Variety	Lint Yield lb/a	Lint Percent %	Seed Index g	Boll Size g	Length inch	Uniformity			
						Index %	Strength g/tex	Elongation %	Micronaire mic
PHY 370 WR--CK	1484	42.37	10.33	5.44	1.12	84.84	31.73	8.88	5.08
DP 555 BG/RR--CK	1432	43.95	8.60	5.36	1.15	84.08	31.01	7.97	4.96
AM 1550 B2RF	1357	42.18	10.33	5.87	1.13	84.71	28.60	8.31	4.89
DG CT07550 B2RF	1349	42.39	10.48	6.00	1.15	85.38	31.01	9.02	5.08
PHY 375 WRF	1348	42.89	10.03	5.32	1.15	84.72	30.59	8.44	4.74
ST 5599 BR--CK	1338	40.74	11.44	6.43	1.15	84.70	33.13	8.57	5.14
CG 3220 B2RF	1330	41.18	10.71	5.87	1.17	85.44	30.76	9.05	5.09
DP 444 BG/RR--CK	1323	41.23	10.31	5.46	1.14	85.14	30.75	8.52	4.48
PHY 315 RF	1316	42.71	10.31	5.61	1.16	84.96	30.61	8.35	4.75
AM 1532 B2RF	1290	40.31	10.21	4.83	1.18	85.09	29.53	8.41	4.64
AM 1504 B2RF	1287	40.16	10.36	5.27	1.14	85.17	29.49	8.73	4.66
DP 174 RF	1259	44.12	10.43	5.85	1.19	85.39	29.95	8.50	4.81
DP 161 B2RF	1250	39.49	9.53	5.04	1.21	85.61	31.60	8.59	4.90
MISCOT 0141-14ne	1247	39.66	11.96	6.17	1.16	84.86	34.01	8.86	5.21
CG 3035 RF	1240	43.10	10.53	5.87	1.16	85.52	30.89	9.00	5.03
DG 2383 RF	1206	39.46	9.93	4.83	1.17	85.05	32.82	8.68	4.47
FMX 4330 B2F	1194	42.17	11.29	5.49	1.20	86.14	35.61	8.48	4.65
MISCOT 0023-11ne	1189	37.12	11.38	5.65	1.16	84.62	30.39	8.08	4.61
CT- 210	1158	39.55	9.75	5.49	1.15	84.53	32.83	8.79	5.14
MISCOT 0110-2ne	1134	38.12	11.54	5.94	1.20	85.66	32.47	8.98	4.85
DP 141 B2RF	1110	39.90	9.39	5.26	1.23	84.76	31.73	8.51	4.63
LINWOOD	1096	40.59	10.08	5.51	1.13	84.96	33.73	8.93	5.36
MISCOT 0110-1ne	1095	39.87	11.05	5.54	1.17	84.93	32.77	8.83	5.03
FMX 4327 B2F	1093	40.13	10.69	5.44	1.21	85.12	33.65	8.04	4.98
GVS 5069	1010	38.84	11.35	6.01	1.17	84.87	31.13	8.56	4.98
GVS 5070	961	38.65	12.48	6.10	1.25	85.47	31.72	8.17	5.06
MEAN	1234	40.80	10.56	5.60	1.17	85.07	31.63	8.59	4.89
REPS	16	16	16	16	16	16	16	16	16

[†]Least squares means.

Table 14. 2007 Mississippi State University Delta & Hill Regions New Entry Cotton Variety Trial - yield, loan value, and per acre returns.

Variety	Lint Yield lb/a	Lint Percent %	Estimated	Loan	Lint	Seed	Gross Return \$/a
			Seed Yield lbs/a	Price [†] cents/lb	Value \$/a	Value ^{††} \$/a	
PHY 370 WR--CK	1484	42.37	2226	53.50	794	145	939
DP 555 BG/RR--CK	1432	43.95	2148	56.15	804	140	944
AM 1550 B2RF	1357	42.18	2036	55.55	754	132	886
DG CT07550 B2RF	1349	42.39	2023	53.55	722	131	853
PHY 375 WRF	1348	42.89	2022	56.15	757	131	888
ST 5599 BR--CK	1338	40.74	2007	53.55	716	130	846
CG 3220 B2RF	1330	41.18	1996	53.55	712	130	842
DP 444 BG/RR--CK	1323	41.23	1985	56.25	744	129	873
PHY 315 RF	1316	42.71	1973	56.15	739	128	867
AM 1532 B2RF	1290	40.31	1935	56.05	723	126	849
AM 1504 B2RF	1287	40.16	1931	55.75	718	126	844
DP 174 RF	1259	44.12	1888	55.95	704	123	827
DP 161 B2RF	1250	39.49	1875	56.25	703	122	825
MISCOT 0141-14ne	1247	39.66	1871	53.65	669	122	791
CG 3035 RF	1240	43.10	1859	53.55	664	121	785
DG 2383 RF	1206	39.46	1809	56.25	678	118	796
FMX 4330 B2F	1194	42.17	1791	55.80	666	116	782
MISCOT 0023-11ne	1189	37.12	1783	55.60	661	116	777
CT- 210	1158	39.55	1737	53.20	616	113	729
MISCOT 0110-2ne	1134	38.12	1701	55.80	633	111	744
DP 141 B2RF	1110	39.90	1665	55.80	619	108	727
LINWOOD	1096	40.59	1643	52.20	572	107	679
MISCOT 0110-1ne	1095	39.87	1642	53.20	582	107	689
FMX 4327 B2F	1093	40.13	1640	55.80	610	107	717
GVS 5069	1010	38.84	1515	55.80	564	98	662
GVS 5070	961	38.65	1441	53.20	511	94	605

[†]A color and leaf grade of 41-2 was assumed for all calculations.

^{††} Estimates based upon a seed value of \$130 per ton.

[†]**Loan Price** was determined by entering OVT fiber data into the **Cotton Loan 2007 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. 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 15. Average[†] lint yield for each location in the Hill and Delta Regions New Entry Test in the 2007 Mississippi State University Cotton Variety Trials.

Variety	STONEVILLE	TRIBBETT	BROOKSVILLE	VERONA	OVER LOCATIONS
	Lint Yield lb/a	Lint Yield lb/a	Lint Yield lb/a	Lint Yield lb/a	Lint Yield lb/a
PHY 370 WR--CK	1364	1268	1568	1736	1484
DP 555 BG/RR--CK	1189	1350	1534	1654	1432
AM 1550 B2RF	1307	1326	1236	1559	1357
DG CT07550 B2RF	1250	1438	1207	1500	1349
PHY 375 WRF	1089	1297	1343	1662	1348
ST 5599 BR--CK	1222	1156	1438	1536	1338
CG 3220 B2RF	1228	1329	1341	1423	1330
DP 444 BG/RR--CK	1100	1308	1329	1556	1323
PHY 315 RF	1237	1389	1049	1587	1316
AM 1532 B2RF	1258	1344	1189	1369	1290
AM 1504 B2RF	1290	1497	1115	1248	1287
DP 174 RF	1265	1401	1044	1326	1259
DP 161 B2RF	1148	1154	1377	1322	1250
MISCOT 0141-14ne	1234	1340	783	1634	1247
CG 3035 RF	1025	1486	1007	1441	1240
DG 2383 RF	1185	1443	933	1262	1206
FMX 4330 B2F	1001	1238	1245	1292	1194
MISCOT 0023-11ne	1154	1275	879	1446	1189
CT- 210	941	1202	1023	1466	1158
MISCOT 0110-2ne	996	1180	932	1428	1134
DP 141 B2RF	841	1027	1190	1382	1110
LINWOOD	929	1317	785	1351	1096
MISCOT 0110-1ne	946	1214	812	1408	1095
FMX 4327 B2F	844	983	1192	1354	1093
GVS 5069	803	893	864	1480	1010
GVS 5070	669	1075	454	1646	961
MEAN	1100	1269	1140	1478	1234
LSD (.10)	152	161	212	186	
CV (%)	11.66	10.38	13.14	10.29	
R-square	0.74	0.65	0.83	0.57	
REPS	4	4	4	4	16

[†]Least squares means.

Table 16. Average[†] lint yield and fiber quality traits over two years (2006-2007) in the Delta Region Early Maturity Mississippi State University Cotton Variety Trials.

Variety	Lint Yield lb/a	Lint Percent %	Seed Index g	Boll Size g	Length inch	Uniformity			
						Index %	Strength g/tex	Elongation %	Micronaire mic
DP 434 RR	1363	42.35	9.44	5.29	1.14	83.96	27.48	7.78	4.81
DP 445 BG/RR	1292	40.89	9.59	5.35	1.13	84.50	30.63	8.44	4.89
DP 454 BG/RR	1288	42.82	9.00	5.18	1.07	83.36	28.65	7.44	4.76
ST 4664 RF	1276	40.61	9.58	5.30	1.10	83.79	30.00	8.66	4.98
DP 117 B2RF	1263	40.47	9.82	5.38	1.12	83.67	31.33	8.00	5.02
PHY 310 R	1251	42.63	9.62	5.25	1.06	83.25	30.87	8.26	5.19
PHY 485 WRF	1250	40.17	9.14	4.79	1.12	84.21	30.41	8.62	5.01
ST 5599 BR	1234	40.04	10.75	5.86	1.12	83.40	30.14	7.69	5.18
DP 432 RR	1232	40.96	9.29	4.95	1.10	84.11	30.55	8.43	5.22
PHY 370 WR	1222	41.89	9.73	5.15	1.08	83.67	30.66	8.20	5.16
ST 4427 B2RF	1210	39.65	9.60	4.97	1.12	83.76	30.54	7.79	4.91
DP 444 BG/RR	1189	40.74	9.99	5.18	1.11	83.93	29.16	7.73	4.59
DP 455 BG/RR	1179	42.06	8.92	4.88	1.12	83.06	30.64	7.42	4.69
ST 4357 B2RF	1177	39.76	9.83	4.84	1.14	83.90	27.31	7.70	4.64
DP 393	1170	40.77	9.76	5.18	1.13	84.54	31.02	8.64	5.14
ST 4554 B2RF	1161	39.55	9.95	5.24	1.12	83.80	30.51	8.72	5.04
ST 5242 BR	1158	40.66	11.30	5.85	1.09	83.61	27.99	7.67	4.88
PHY 480 WR	1158	39.10	9.71	4.79	1.13	84.48	30.71	8.66	4.97
CG 3020 B2RF	1139	38.34	10.07	4.95	1.09	83.84	28.00	8.00	4.61
CG 4020 B2RF	1127	39.57	9.75	4.94	1.14	83.89	27.42	7.68	4.71
DP 147 RF	1126	40.06	9.76	5.40	1.19	83.96	29.75	7.44	4.67
DP 555 BG/RR	1126	43.54	8.05	4.87	1.11	82.81	28.74	7.13	5.08
DG 2100 B2RF	1125	38.26	10.04	4.83	1.09	84.06	27.89	7.93	4.58
CG 3520 B2RF	1122	38.86	9.40	4.67	1.12	83.91	26.92	7.81	4.67
DG 2242 B2RF	1119	38.81	9.43	4.69	1.12	83.59	26.85	7.89	4.70
DP 143 B2RF	1055	38.81	9.80	5.24	1.20	83.64	28.12	7.42	4.69
MEAN	1193	40.44	9.66	5.12	1.12	83.79	29.32	7.97	4.87
REP	38	38	38	38	38	38	38	38	38

[†]Least squares means.

Table 17. Average[†] lint yield and fiber quality traits over two years (2006-2007) in the Hill Region Early Maturity Mississippi State University Cotton Variety Trials.

Variety	Lint Yield lb/a	Lint Percent %	Seed Index g	Boll Size g	Length inch	Uniformity			
						Index %	Strength g/tex	Elongation %	Micronaire mic
PHY 370 WR	1438	43.17	9.92	5.15	1.08	83.52	31.16	8.18	5.17
DP 555 BG/RR	1408	44.43	8.43	4.86	1.09	82.29	29.06	7.14	5.14
ST 5242 BR	1388	42.35	11.26	5.91	1.09	83.54	27.59	7.54	4.88
PHY 485 WRF	1358	41.87	9.21	4.58	1.11	84.14	30.97	8.62	5.08
DP 454 BG/RR	1355	44.22	9.05	4.78	1.06	83.26	29.08	7.29	4.54
DP 445 BG/RR	1351	42.42	9.56	5.18	1.12	84.06	30.74	8.31	4.79
ST 5599 BR	1347	41.84	10.76	6.01	1.10	83.23	31.26	7.74	5.23
PHY 310 R	1341	43.53	9.86	5.19	1.08	83.57	31.28	8.24	5.12
DP 147 RF	1340	41.22	9.73	5.32	1.18	83.71	30.13	7.32	4.69
PHY 480 WR	1331	40.43	9.75	4.56	1.12	84.53	31.07	8.61	5.04
ST 4427 B2RF	1316	41.39	9.39	4.66	1.11	83.60	30.36	7.71	4.93
DP 393	1305	42.05	10.10	5.09	1.14	84.79	31.92	8.67	5.10
DP 432 RR	1290	41.91	9.44	4.80	1.09	83.91	30.45	8.28	5.17
DP 117 B2RF	1288	41.43	9.95	5.26	1.12	83.67	32.31	7.94	4.87
DP 143 B2RF	1287	39.89	9.33	5.10	1.19	83.28	28.40	7.33	4.55
DP 444 BG/RR	1266	42.44	9.71	4.95	1.10	83.91	28.93	7.64	4.43
ST 4664 RF	1265	42.02	9.36	4.97	1.10	83.74	30.51	8.69	4.95
DP 455 BG/RR	1262	43.37	8.85	4.75	1.12	83.10	30.52	7.35	4.54
ST 4554 B2RF	1203	41.55	9.55	4.92	1.10	83.52	30.46	8.72	5.01
ST 4357 B2RF	1187	40.85	9.71	4.87	1.13	83.74	27.49	7.68	4.68
DP 434 RR	1144	43.15	9.44	5.20	1.15	84.01	28.18	7.77	4.70
CG 4020 B2RF	1137	40.90	9.61	4.80	1.13	83.92	27.06	7.57	4.58
CG 3020 B2RF	1129	40.39	9.89	4.74	1.10	83.83	27.50	7.84	4.52
DG 2242 B2RF	1115	39.93	9.23	4.33	1.13	83.78	26.91	7.81	4.54
DG 2100 B2RF	1105	40.08	9.69	4.77	1.09	83.72	27.49	7.80	4.50
CG 3520 B2RF	1093	39.95	9.36	4.35	1.13	83.79	26.66	7.67	4.48
MEAN	1271	41.80	9.62	4.97	1.11	83.70	29.52	7.90	4.82
REP	30	30	30	30	30	30	30	30	30

[†]Least squares means.Table 18. Average[†] lint yield and fiber quality traits over two years (2006-2007) in the Delta Region Mid Maturity Mississippi State University Cotton Variety Trials.

Variety	Lint Yield lb/a	Lint Percent %	Seed Index g	Boll Size g	Length inch	Uniformity			
						Index %	Strength g/tex	Elongation %	Micronaire mic
ST 5599 BR	1241	40.76	10.44	5.70	1.10	83.22	30.31	7.63	5.13
DP 515 BG/RR	1209	41.94	8.88	4.90	1.09	83.19	29.29	7.46	5.10
DP 454 BG/RR	1201	43.24	8.82	4.80	1.06	83.33	28.76	7.31	4.67
DP 445 BG/RR	1186	41.06	9.58	5.00	1.12	84.23	30.78	8.44	4.89
DP 455 BG/RR	1160	42.33	8.85	4.79	1.12	83.02	30.70	7.23	4.53
DP 444 BG/RR	1150	40.96	9.72	5.08	1.10	83.73	29.09	7.78	4.64
DP 143 B2RF	1132	39.34	9.48	5.04	1.18	83.12	28.23	7.29	4.69
DP 147 RF	1089	40.44	9.41	5.12	1.17	83.47	29.57	7.35	4.77
DP 167 RF	1084	40.09	9.16	4.90	1.14	83.67	29.92	7.62	4.84
DP 164 B2RF	1073	39.22	9.20	4.92	1.15	83.63	29.80	7.51	4.90
DP 555 BG/RR	994	43.18	8.17	4.86	1.10	82.82	28.95	7.15	5.00
MEAN	1138	41.14	9.25	5.01	1.12	83.40	29.58	7.52	4.83
REP	38	38	38	38	38	38	38	38	38

[†]Least squares means.

Table 19. Average[†] lint yield and fiber quality traits over two years (2006-2007) in the Hill Region Mid Maturity Mississippi State University Cotton Variety Trials.

Variety	Lint Yield lb/a	Lint Percent %	Seed Index g	Boll Size g	Length inch	Uniformity			
						Index %	Strength g/tex	Elongation %	Micronaire mic
DP 515 BG/RR	1516	43.01	8.81	4.90	1.11	83.46	29.97	7.70	5.06
DP 555 BG/RR	1500	44.16	8.29	4.92	1.10	82.77	29.36	7.26	5.07
DP 454 BG/RR	1449	43.73	9.21	4.89	1.08	83.72	29.04	7.42	4.52
ST 5599 BR	1425	41.83	10.72	6.00	1.11	83.48	30.98	7.73	5.15
DP 455 BG/RR	1389	43.82	8.63	4.86	1.12	83.08	30.75	7.46	4.59
DP 147 RF	1364	41.17	9.88	5.36	1.19	84.14	30.49	7.44	4.65
DP 143 B2RF	1350	39.90	9.79	5.15	1.20	83.28	28.59	7.33	4.59
DP 445 BG/RR	1347	42.44	9.33	5.07	1.13	84.53	31.05	8.14	4.67
DP 444 BG/RR	1279	42.22	9.49	5.00	1.11	84.08	28.81	7.67	4.49
DP 164 B2RF	1275	40.11	9.28	4.90	1.15	83.71	29.47	7.58	4.83
DP 167 RF	1157	40.27	9.50	4.88	1.16	84.11	30.45	7.68	4.79
MEAN	1368	42.06	9.36	5.08	1.13	83.67	29.91	7.58	4.76
REP	30	30	30	30	30	30	30	30	30

[†]Least squares means.

Table 20. Average[†] lint yield and fiber quality traits over three years (2005-2007) in the Delta Region^{††} Early Maturity Mississippi State University Cotton Variety Trials.

Variety	Lint Yield lb/a	Lint Percent %	Seed Index g	Boll Size g	Length inch	Uniformity			
						Index %	Strength g/tex	Elongation %	Micronaire mic
DP 434 RR	1335	42.33	9.27	5.21	1.14	83.66	26.89	7.78	4.65
DP 432 RR	1249	40.86	9.21	4.92	1.09	83.82	30.17	8.52	5.13
DP 445 BG/RR	1248	40.87	9.43	5.20	1.12	84.20	30.28	8.52	4.76
ST 5599 BR	1230	40.04	10.62	5.80	1.11	83.08	29.69	7.69	5.09
PHY 310 R	1225	42.45	9.42	5.15	1.05	83.08	30.17	8.24	5.03
DP 393	1187	40.70	9.60	5.14	1.13	84.25	30.77	8.74	5.03
DP 455 BG/RR	1169	41.93	8.76	4.80	1.11	82.69	30.01	7.40	4.56
PHY 480 WR	1152	39.05	9.54	4.67	1.12	84.31	30.25	8.71	4.87
ST 5242 BR	1126	40.73	11.01	5.76	1.08	83.45	27.52	7.69	4.78
DP 444 BG/RR	1122	40.63	9.77	5.04	1.11	83.83	28.55	7.74	4.45
ST 4357 B2RF	1098	39.61	9.58	4.84	1.12	83.36	26.41	7.54	4.53
MEAN	1195	40.84	9.65	5.14	1.11	83.61	29.15	8.05	4.81

[†]Least squares means.

^{††}Due to suspected glyphosate drift, Nesbit data for 2005 are not included.

Table 21. Average[†] lint yield and fiber quality traits over three years (2005-2007) in the Hill Region^{††} Early Maturity Mississippi State University Cotton Variety Trials.

Variety	Lint Yield lb/a	Lint Percent %	Seed Index g	Boll Size g	Length inch	Uniformity			
						Index %	Strength g/tex	Elongation %	Micronaire mic
PHY 310 R	1418	43.65	9.58	4.99	1.07	83.64	30.72	8.28	4.99
ST 5242 BR	1380	42.41	10.95	5.62	1.09	83.66	27.25	7.65	4.83
ST 5599 BR	1377	41.82	10.56	5.80	1.10	83.15	30.45	7.74	5.14
DP 445 BG/RR	1359	42.49	9.45	4.91	1.12	84.14	30.31	8.42	4.70
PHY 480 WR	1351	40.47	9.49	4.37	1.12	84.55	30.57	8.65	4.91
DP 393	1346	42.21	9.84	4.93	1.14	84.70	31.49	8.82	5.03
DP 432 RR	1319	41.85	9.27	4.64	1.09	83.91	30.11	8.37	5.05
DP 444 BG/RR	1300	42.57	9.59	4.80	1.10	83.90	28.51	7.72	4.37
DP 455 BG/RR	1292	43.27	8.75	4.62	1.12	83.12	29.71	7.35	4.47
DP 434 RR	1211	43.36	9.27	5.05	1.15	83.88	27.47	7.81	4.62
MEAN	1335	42.41	9.68	4.97	1.11	83.86	29.66	8.08	4.81

[†]Least squares means.

^{††}Due to suspected glyphosate drift, Nesbit data for 2005 are not included.

Table 22. Average[†] lint yield and fiber quality traits over three years (2005-2007) in the Delta Region^{††} Mid Maturity Mississippi State University Cotton Variety Trials.

Variety	Lint Yield lb/a	Lint Percent %	Seed Index g	Boll Size g	Length inch	Uniformity			
						Index %	Strength g/tex	Elongation %	Micronaire mic
DP 445 BG/RR	1231	40.86	9.47	5.13	1.12	84.21	30.16	8.54	4.78
ST 5599 BR	1201	40.24	10.63	5.85	1.10	83.11	29.78	7.69	5.13
DP 455 BG/RR	1122	41.91	8.77	4.78	1.11	82.80	29.93	7.34	4.53
DP 444 BG/RR	1118	40.73	9.75	5.11	1.10	83.72	28.59	7.79	4.52
DP 555 BG/RR	1087	43.35	8.01	4.81	1.10	82.57	28.32	7.13	4.96
MEAN	1152	41	9	5	1	83	29	8	5

[†]Least squares means.

^{††}Due to suspected glyphosate drift, Nesbit data for 2005 are not included.

Table 23. Average[†] lint yield and fiber quality traits over three years (2005-2007) in the Hill Region^{††} Mid Maturity Mississippi State University Cotton Variety Trials.

Variety	Lint Yield lb/a	Lint Percent %	Seed Index g	Boll Size g	Length inch	Uniformity			
						Index %	Strength g/tex	Elongation %	Micronaire mic
DP 555 BG/RR	1479	44.24	8.12	4.69	1.10	82.75	28.71	7.28	4.99
ST 5599 BR	1402	41.95	10.44	5.81	1.10	83.28	30.48	7.78	5.10
DP 455 BG/RR	1369	43.82	8.51	4.64	1.12	83.09	30.26	7.53	4.57
DP 445 BG/RR	1337	42.48	9.35	4.93	1.13	84.54	30.48	8.33	4.70
DP 444 BG/RR	1276	42.35	9.42	4.85	1.11	84.11	28.77	7.79	4.47
MEAN	1373	42.97	9.17	4.98	1.11	83.55	29.74	7.74	4.77

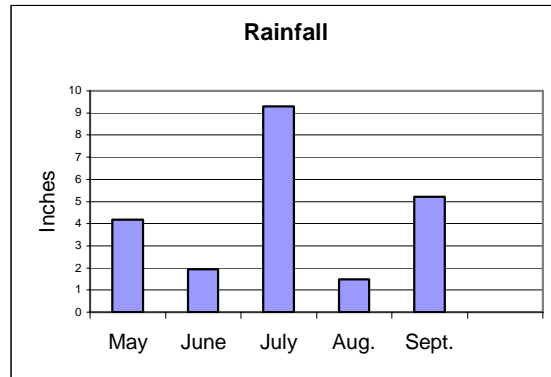
[†]Least squares means.

^{††}Due to suspected glyphosate drift, Nesbit data for 2005 are not included.

Table 24. Rainfall and agronomic information for Stoneville, Delta Region.

Rainfall Summary

	Inches
May.....	0.07
June.....	3.91
July.....	7.74
August.....	3.43
September.....	4.65
October.....	4.22
Total.....	24.02



Soil Type.....	Bosket Very Fine Sandy Loam Soil
Fertilizer Added.....	Potash (60% K2O) @ 2.0 cwt.(2-12-07). UAN (325 N). @ 3.43 cwt.(2-22-07).
Herbicide Applications....	Trifluralin 4EC @ 1 pt.(2-23-07). Glyphosate Plus 4L @ 3 pt. (5-11-07). Cotoran @ 1.5 pt., Staple @ 1.3 oz.(5-14-07). MSMA 6.6 @ 2.7 pt., Caparol @ 1 pt. (6-5-07). Diuron @ 1.5 pt., Select @ 10 oz. (7-24-07).
Insecticide Applications..	Orthene @ .2 lb. (6-6-07). Vydate @ 10.6 oz. (6-15-07). Bidrin @ 6.4 oz. (6-20-07). Trimax @ 1.25 oz. (6-25-07).Orthene @.75 lb. (6-28-07). Orthene @ 1 lb. (7-8-07). Vydate @ 10.6 oz., Diamond @ 9 oz. (7-11-07).Centric @ 2 oz. (7-18-07). Orthene @ 1 lb., Ammo @ 3.2 oz. (7-25-07). Centric @ 2 oz. (7-28-07). Orthene @ 1 lb. (8-1-07). Vydate @ 12.8 oz. (8-14-07).
Irrigation.....	June 14, 2007. August 7, 2007. August 17, 2007.
Planting Date.....	May 14, 2007
Harvest Date.....	October 30, 2007

Table 25. Stoneville, MS location of the Delta Region Early Maturity Test in the 2007 Mississippi State University Cotton Variety Trial grown on a Bosket Very Fine Sandy Loam Soil.

Variety	Lint Yield lb/a	Lint Percent %	Seed Index g	Boll Size g	Length inch	Uniformity			
						Index %	Strength g/tex	Elongation %	Micronaire mic
DP 117 B2RF	1321	40.50	10.93	5.53	1.18	85.40	34.23	9.63	5.25
DP 434 RR	1316	43.26	9.68	5.72	1.19	85.23	29.08	8.85	5.03
DP 445 BG/RR	1266	41.01	10.43	5.96	1.18	86.28	31.45	9.80	5.08
ST 4678 B2RF	1255	37.98	10.98	5.38	1.20	85.83	31.38	9.40	5.20
ST 4357 B2RF	1236	41.37	10.85	5.03	1.21	86.35	30.00	8.98	4.83
ST 4427 B2RF	1233	39.98	10.05	4.78	1.17	85.08	32.10	9.20	5.03
DP 444 BG/RR--CK	1228	41.08	10.95	5.50	1.18	86.00	30.78	9.08	4.73
DG 2490 B2RF	1198	39.12	11.30	5.10	1.15	85.55	29.70	9.50	4.63
ST 5242 BR	1196	39.57	12.63	5.85	1.19	85.68	30.30	8.88	4.98
PHY 425 RF	1187	40.06	10.23	5.81	1.16	85.65	32.65	10.00	5.50
PHY 370 WR--CK	1180	42.59	10.40	5.60	1.15	85.68	32.88	9.83	5.15
CG 4020 B2RF	1178	39.97	10.50	5.09	1.21	86.13	29.33	8.73	4.83
CG 3020 B2RF	1171	39.37	10.85	4.84	1.15	85.93	30.53	9.63	4.90
DG 2520 B2RF	1167	40.19	10.65	4.84	1.21	85.83	29.40	9.05	4.90
DP 432 RR	1140	41.49	10.38	4.62	1.16	85.55	31.55	9.75	5.30
DG CT07343 RF	1137	42.94	10.68	5.60	1.17	86.08	31.35	9.80	5.08
PHY 485 WRF	1133	40.87	9.90	5.25	1.17	86.03	32.18	9.95	5.28
ST 5599 BR--CK	1132	39.89	11.83	6.14	1.19	86.23	33.05	9.40	5.38
PHY 480 WR	1121	39.39	10.60	4.79	1.18	86.30	32.65	9.90	5.25
DP 121 RF	1119	42.06	10.00	5.22	1.19	85.70	32.13	9.65	5.23
DP 515 BG/RR	1115	41.31	9.88	5.30	1.18	85.28	31.95	9.18	5.25
DP 454 BG/RR	1109	42.99	10.00	5.98	1.13	85.20	30.60	8.88	4.90
DG 2100 B2RF	1107	39.82	10.93	4.77	1.15	86.03	29.35	9.30	4.95
PHY 310 R	1106	42.78	10.78	5.07	1.14	84.68	33.03	10.00	5.50
ST 4664 RF	1106	39.72	10.60	5.72	1.17	85.95	32.70	10.00	5.20
MISCOT 0141-15ne	1101	38.74	12.03	5.86	1.13	84.38	35.05	9.98	5.85
CG 3520 B2RF	1095	40.23	10.00	4.47	1.18	85.40	30.03	9.13	4.85
ST 4498 B2RF	1083	38.96	10.90	5.80	1.18	86.60	34.58	10.00	5.10
ST 5327 B2RF	1077	41.36	10.00	5.58	1.18	85.73	32.03	9.65	4.98
DG 2242 B2RF	1064	39.24	10.43	4.99	1.19	85.78	30.40	9.55	4.90
MISCOT 8824-8	1059	39.92	11.55	5.87	1.18	85.60	32.58	9.70	5.55
FM 1600 LL	1049	40.33	11.45	5.43	1.21	85.88	32.50	9.00	5.15
FM 1735 LLB2	1040	38.61	11.43	5.00	1.19	85.75	33.85	8.88	5.00
DP 147 RF	1036	40.40	10.33	4.87	1.22	85.58	31.95	8.98	4.88
MISCOT 8913-2	1019	38.63	11.28	5.19	1.19	85.98	32.00	9.35	5.33
ST 4554 B2RF	1012	38.69	10.93	5.52	1.18	85.80	32.35	9.90	5.03
FM 9068 F	1012	39.57	12.60	5.46	1.23	86.33	33.40	9.15	5.05
ST 4596 B2RF	1004	37.73	10.98	5.26	1.22	86.45	32.45	9.95	5.35
DP 393	997	40.92	10.68	5.63	1.20	86.63	32.55	9.93	5.28
DP 455 BG/RR	996	42.56	9.75	5.23	1.18	85.25	32.05	8.95	5.00
FM 9063 B2F	980	37.78	12.30	4.85	1.22	85.73	33.80	9.18	4.95
DP 555 BG/RR--CK	970	44.20	8.58	4.95	1.17	84.43	31.28	8.63	5.25
ST 6351 B2RF	957	37.58	11.38	5.41	1.23	86.35	31.68	9.38	5.05
DP 143 B2RF	915	39.03	10.55	6.02	1.27	85.80	30.58	8.83	4.85
FM 9060 F	906	39.79	12.08	4.79	1.24	86.10	31.55	8.73	4.70
FM 955 LLB2	864	36.04	13.40	5.84	1.23	86.03	32.73	9.10	5.20
MEAN	1102	40.21	10.84	5.34	1.18	85.76	31.82	9.40	5.10
LSD (.10)	119	0.99	0.59	0.82	0.02	0.72	1.16	0.28	0.22
CV (%)	9.22	2.11	4.65	13.10	1.70	0.71	3.12	2.56	3.63
R-square	0.65	0.84	0.81	0.34	0.75	0.49	0.75	0.81	0.70
REPS	4	4	4	4	4	4	4	4	4

Planted on 5/14/2007, Harvested on 10/30/2007.
All values represent least squares means.

Table 26. Stoneville, MS location of the Delta Region Mid Maturity Test in the 2007 Mississippi State University Cotton Variety Trial grown on a Bosket Very Fine Sandy Loam Soil.

Variety	Lint Yield lb/a	Lint Percent %	Seed Index g	Boll Size g	Length inch	Uniformity			
						Index %	Strength g/tex	Elongation %	Micronaire mic
ST 5283 RF	1216	41.30	9.63	4.75	1.16	85.43	31.90	9.80	4.95
ST 5458 B2RF	1200	42.31	10.65	5.32	1.18	85.15	32.10	9.48	5.45
PHY 370 WR--CK	1151	42.02	10.65	4.88	1.14	85.18	31.60	9.65	5.33
ST 5327 B2RF	1073	42.01	9.18	4.73	1.17	85.50	31.60	9.48	4.90
ST 5599 BR--CK	1065	41.60	11.18	5.59	1.17	85.30	32.48	9.38	5.48
DP 454 BG/RR	1062	44.21	9.53	4.93	1.12	85.28	30.00	8.83	4.93
DP 515 BG/RR	1054	42.14	9.83	5.25	1.15	84.75	30.58	9.00	5.40
DP 143 B2RF	1028	41.09	9.63	5.01	1.23	85.50	30.35	8.75	4.78
DP 455 BG/RR	1025	42.70	9.63	4.56	1.19	84.40	32.20	8.88	4.75
DP 444 BG/RR--CK	1020	40.37	11.18	5.18	1.16	85.85	31.05	9.20	4.75
DP 445 BG/RR	970	41.38	10.33	5.45	1.17	85.38	31.45	9.53	5.13
DP 164 B2RF	953	39.89	10.33	4.71	1.21	85.70	31.15	9.15	5.00
DP 147 RF	834	41.21	10.00	5.02	1.24	85.53	31.65	8.88	4.80
DP 555 BG/RR--CK	824	42.86	8.85	4.76	1.16	84.95	31.33	9.28	4.98
DP 167 RF	792	39.44	10.03	4.66	1.22	85.58	31.58	9.10	4.90
FM 1880 B2F	679	39.82	10.58	5.07	1.18	85.05	31.93	9.20	4.73
MEAN	997	41.52	10.07	4.99	1.18	85.28	31.43	9.22	5.01
LSD (.10)	189	1.76	0.69	0.52	0.03	0.69	1.06	0.35	0.19
CV (%)	15.98	3.56	5.76	8.72	2.38	0.69	2.84	3.21	3.22
R-square	0.55	0.51	0.65	0.43	0.63	0.38	0.52	0.61	0.79
REPS	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00

Planted on 5/14/2007, Harvested on 10/30/2007.

All values represent least squares means.

Table 27. Stoneville, MS location of the Delta Region New Entry Test in the 2007 Mississippi State University Cotton Variety Trial grown on a Bosket Very Fine Sandy Loam Soil.

Variety	Lint Yield lb/a	Lint Percent %	Seed Index g	Boll Size g	Length inch	Uniformity		Elongation %	Micronaire mic
						Index %	Strength g/tex		
PHY 370 WR--CK	1364	42.87	10.40	4.88	1.13	85.28	32.05	9.78	5.28
AM 1550 B2RF	1307	42.70	10.50	5.82	1.16	85.88	28.60	9.23	5.13
AM 1504 B2RF	1290	40.43	10.60	4.99	1.15	86.05	29.63	9.50	4.75
DP 174 RF	1265	45.37	10.30	5.57	1.19	85.80	29.93	9.13	5.08
AM 1532 B2RF	1258	41.46	10.10	4.49	1.20	85.53	30.08	9.15	5.05
DG CT07550 B2RF	1250	42.73	10.68	5.81	1.16	85.50	31.10	9.90	5.30
PHY 315 RF	1237	43.30	10.45	5.93	1.15	85.20	30.43	8.95	5.08
MISCOT 0141-14ne	1234	40.02	12.00	5.85	1.17	84.63	33.55	9.60	5.48
CG 3220 B2RF	1228	41.03	10.83	5.44	1.19	85.93	30.75	9.85	5.25
ST 5599 BR--CK	1222	41.91	11.03	5.70	1.16	85.08	33.03	9.30	5.45
DP 555 BG/RR--CK	1189	45.69	8.05	5.26	1.16	84.55	30.78	8.65	5.05
DG 2383 RF	1185	40.35	9.15	4.40	1.14	85.43	32.15	9.50	4.73
MISCOT 0023-11ne	1154	37.10	11.48	6.09	1.17	85.03	30.40	8.80	4.83
DP 161 B2RF	1148	41.08	9.73	4.70	1.20	85.60	31.15	9.23	5.13
DP 444 BG/RR--CK	1100	40.55	10.58	5.10	1.16	85.60	31.20	9.18	4.75
PHY 375 WRF	1089	43.21	10.18	5.14	1.16	85.33	30.28	8.98	4.98
CG 3035 RF	1025	44.22	10.33	5.52	1.17	86.23	30.15	9.95	5.18
FMX 4330 B2F	1001	42.60	11.48	5.49	1.23	86.73	34.88	9.30	4.90
MISCOT 0110-2ne	996	38.65	11.38	6.20	1.21	85.95	32.08	9.80	4.98
MISCOT 0110-1ne	946	40.28	10.80	5.20	1.19	85.68	32.35	9.58	5.18
CT- 210	941	40.47	9.53	5.63	1.17	85.13	31.38	9.40	5.35
LINWOOD	929	41.44	10.15	5.95	1.15	85.28	32.98	9.83	5.78
FMX 4327 B2F	844	40.28	10.98	4.68	1.22	85.43	33.75	8.85	5.18
DP 141 B2RF	841	41.31	9.05	5.22	1.23	84.93	32.18	9.28	4.78
GVS 5069	803	38.48	11.60	5.78	1.19	85.53	32.03	9.48	5.18
GVS 5070	669	37.58	12.23	5.96	1.28	86.25	32.18	9.05	5.20
MEAN	1100	41.35	10.52	5.41	1.18	85.52	31.50	9.35	5.11
LSD (.10)	152	0.96	0.57	0.87	0.02	0.76	0.98	0.24	0.21
CV (%)	11.66	1.98	4.62	13.57	1.77	0.75	2.63	2.15	3.45
R-square	0.74	0.90	0.83	0.43	0.80	0.53	0.80	0.82	0.74
REPS	4	4	4	4	4	4	4	4	4

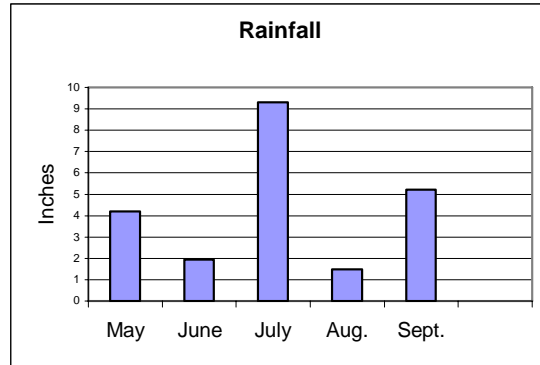
Planted on 5/14/2007, Harvested on 10/30/2007.

All values represent least squares means.

Table 28. Rainfall and agronomic information for Clarksdale, Delta Region.

Rainfall Summary

	Inches
May.....	0.05
June.....	1.12
July.....	7.48
August.....	2.25
September.....	1.52
October.....	2.36
Total.....	14.78



Soil Type..... Dubbs Soil

Fertilizer Added..... 110 units applied in two shots

Herbicide Applications.... Staple @ 1.3 oz., Cotoran @ 1.5 pt., Prowl @ 1qt. (5-21-07). Staple @ 1.2 oz., Select @ 10 oz. (6-12-07). Staple @ 1.2 oz. , Select @ 10 oz. (7-1-07).

Insecticide Applications... Orthene @ 1/2 lb. (6-1-07). Orthene @ 1/2 lb.(6-12-07). Orthene @ 2/3 lb. (6-18-07). Centric @ 1.5oz. (6-22-07). Orthene @ 1/2 lb., Karate Z @ 1oz. (6-26-07). Centric @ 1.5 oz.(7-1-07). Orthene @ 2/3 lb., Centric @ 1oz. (7-5-07). Orthene @ 1lb. (7-9-07). Orthene @ 2/3 lb., Ammo 1-50. (7-20-07).(8-3-07).(8-17-07). Orthene @ 1/2 lb., Ammo @ 1-50. Vydate 1-12. (8-22-07). Orthene 2 3/4 lb. , Ammo @ 1-50. (8-27-07)

Irrigation..... Non-irrigated

Planting Date..... May 21, 2007

Harvest Date..... October 31, 2007

Table 29. Clarksdale, MS location of the Delta Region Early Maturity Test in the 2007 Mississippi State University Cotton Variety Trial grown on a Dubbs Soil.

Variety	Lint Yield lb/a	Lint Percent %	Seed Index g	Boll Size g	Length inch	Uniformity			
						Index %	Strength g/tex	Elongation %	Micronaire mic
DP 434 RR	2193	41.20	9.60	5.41	1.18	84.15	27.10	6.85	5.00
DP 515 BG/RR	2047	40.68	9.55	5.07	1.18	84.10	29.80	6.70	5.05
DP 445 BG/RR	1804	40.49	10.10	5.70	1.19	85.50	30.15	7.10	5.20
DP 455 BG/RR	1780	41.16	9.20	4.79	1.20	84.90	30.40	6.60	4.80
DP 444 BG/RR--CK	1780	39.76	10.85	5.71	1.14	83.60	29.65	6.85	5.05
ST 4664 RF	1762	39.43	10.70	5.87	1.19	85.10	28.55	7.50	5.25
PHY 485 WRF	1740	39.40	9.50	4.88	1.15	84.25	30.10	7.75	5.20
ST 4596 B2RF	1714	37.98	10.40	5.18	1.19	84.95	29.65	7.60	5.45
DP 432 RR	1686	40.27	9.60	5.04	1.14	84.90	28.80	7.20	5.30
ST 4498 B2RF	1685	39.81	10.00	5.32	1.16	85.20	31.15	7.80	5.00
ST 5599 BR--CK	1668	39.88	11.20	6.34	1.14	83.00	31.00	6.75	5.60
DG 2490 B2RF	1652	38.62	10.15	4.84	1.16	84.05	28.60	7.15	4.50
FM 9068 F	1625	37.75	12.60	5.92	1.27	86.10	30.75	6.75	5.00
DP 555 BG/RR--CK	1615	43.71	8.35	5.15	1.14	83.10	29.70	6.45	5.25
DG CT07343 RF	1614	42.34	9.85	5.52	1.12	83.80	28.60	7.60	5.30
PHY 425 RF	1603	38.59	10.25	4.80	1.14	85.05	30.85	7.85	5.45
DP 393	1563	39.38	10.40	5.59	1.19	85.80	30.15	7.40	5.20
FM 1600 LL	1561	40.35	10.90	5.79	1.16	84.85	32.65	6.45	5.50
PHY 310 R	1555	42.34	10.30	4.78	1.09	83.65	30.60	7.35	5.65
DP 454 BG/RR	1547	42.12	9.65	5.13	1.11	84.00	30.45	6.75	5.10
ST 5242 BR	1532	39.57	12.00	6.48	1.13	84.40	27.30	6.75	5.10
DP 117 B2RF	1522	39.06	10.25	5.36	1.16	84.60	30.85	6.85	5.10
PHY 480 WR	1520	37.92	10.50	4.44	1.17	84.65	30.10	7.65	5.20
ST 6351 B2RF	1516	37.59	10.50	5.96	1.20	84.40	28.80	6.75	5.00
DG 2520 B2RF	1476	39.80	10.25	5.05	1.19	84.10	27.60	6.80	5.00
ST 4427 B2RF	1454	38.72	9.85	5.28	1.15	83.95	29.15	6.60	4.95
FM 955 LLB2	1452	36.42	12.60	5.13	1.24	85.70	29.75	6.60	5.25
ST 4554 B2RF	1449	39.28	10.75	5.35	1.14	83.40	29.80	7.60	5.65
DP 121 RF	1447	41.28	9.60	5.19	1.17	84.45	31.85	7.25	5.45
ST 5327 B2RF	1439	40.37	9.65	4.69	1.17	85.05	30.20	7.30	5.10
CG 4020 B2RF	1438	39.36	10.10	4.87	1.22	84.85	28.10	7.05	5.15
DG 2100 B2RF	1421	38.11	10.75	4.91	1.14	84.50	28.35	7.05	5.15
DP 143 B2RF	1397	37.94	9.90	4.93	1.23	84.45	27.80	6.60	4.80
CG 3520 B2RF	1392	39.18	9.90	4.38	1.17	84.60	27.75	6.90	5.05
CG 3020 B2RF	1375	39.12	10.05	5.09	1.10	82.95	28.60	7.30	5.35
DG 2242 B2RF	1372	38.46	9.70	4.58	1.19	84.45	27.15	6.75	4.95
DP 147 RF	1367	40.10	10.00	5.98	1.23	84.80	29.75	6.50	4.95
PHY 370 WR--CK	1340	40.99	9.95	4.88	1.12	84.10	30.05	7.30	5.60
MISCOT 8824-8	1309	38.47	11.00	5.47	1.15	84.50	31.60	7.35	5.45
FM 9060 F	1301	39.97	11.35	5.69	1.22	84.00	30.20	6.25	5.10
FM 1735 LLB2	1295	39.01	10.60	5.64	1.15	84.40	31.90	6.45	5.15
MISCOT 0141-15ne	1258	38.60	11.20	5.73	1.08	83.75	33.55	7.50	6.00
ST 4357 B2RF	1239	39.56	9.70	4.66	1.17	82.90	27.75	6.80	4.95
FM 9063 B2F	1216	37.69	11.90	5.60	1.24	85.00	31.60	6.50	5.00
MISCOT 8913-2	1208	38.49	10.55	5.35	1.14	83.45	29.80	6.65	5.45
ST 4678 B2RF	1148	37.26	10.50	5.07	1.19	85.15	29.70	6.95	5.30
MEAN	1523	39.51	10.35	5.27	1.16	84.40	29.73	7.01	5.20
LSD (.10)	414	1.31	0.59	0.59	0.05	1.80	1.63	0.28	0.34
CV (%)	16.20	1.97	3.39	6.65	2.53	1.27	3.26	2.35	3.92
R-square	0.70	0.88	0.92	0.79	0.81	0.57	0.84	0.93	0.78
REPS	4	4	4	4	4	4	4	4	4

Planted on 5/21/2007, Harvested on 10/31/2007.

All values represent least squares means.

Table 30. Clarksdale, MS location of the Delta Region Mid Maturity Test in the 2007 Mississippi State University Cotton Variety Trial grown on a Dubbs Soil.

Variety	Lint Yield lb/a	Lint Percent %	Seed Index g	Boll Size g	Length inch	Uniformity			
						Index %	Strength g/tex	Elongation %	Micronaire mic
ST 5599 BR--CK	2050	39.81	10.80	5.85	1.16	83.55	32.95	6.50	5.20
DP 455 BG/RR	1872	41.33	9.15	5.01	1.16	84.65	35.00	6.35	4.65
DP 143 B2RF	1821	38.24	10.05	5.00	1.23	83.55	30.45	6.15	4.70
DP 444 BG/RR--CK	1798	39.07	10.60	5.09	1.13	84.45	30.50	6.65	4.75
DP 515 BG/RR	1669	40.69	9.70	5.01	1.15	83.80	32.00	6.40	5.25
ST 5458 B2RF	1664	40.50	10.95	5.57	1.15	82.70	33.30	6.50	5.55
DP 454 BG/RR	1617	41.98	9.70	4.95	1.09	84.30	32.05	6.35	4.90
DP 167 RF	1614	39.20	8.10	4.53	1.18	84.15	32.00	6.60	4.90
PHY 370 WR--CK	1490	41.06	10.90	4.88	1.12	83.00	32.35	6.90	5.35
ST 5327 B2RF	1422	39.74	9.65	4.80	1.14	84.75	33.30	6.95	4.95
DP 445 BG/RR	1398	40.13	10.30	4.79	1.15	84.80	32.75	7.05	4.95
ST 5283 RF	1386	39.92	9.90	3.89	1.13	83.50	31.40	6.75	5.20
DP 555 BG/RR--CK	1372	43.12	8.00	4.54	1.12	83.55	31.15	6.20	5.10
DP 164 B2RF	1299	38.44	10.50	4.80	1.21	85.00	34.25	6.45	4.80
FM 1880 B2F	1105	38.40	10.05	4.85	1.17	83.95	32.60	6.50	4.85
DP 147 RF	1083	39.46	9.85	5.13	1.21	84.30	33.15	6.45	5.00
MEAN	1541	40.07	9.89	4.92	1.15	84.00	32.45	6.55	5.01
LSD (.10)	404	1.43	1.25	1.06	0.05	1.19	2.41	0.34	0.32
CV (%)	14.96	2.04	7.24	12.27	2.34	0.81	4.24	2.95	3.64
R-square	0.83	0.85	0.75	0.55	0.80	0.66	0.66	0.82	0.80
REPS	4	4	4	4	4	4	4	4	4

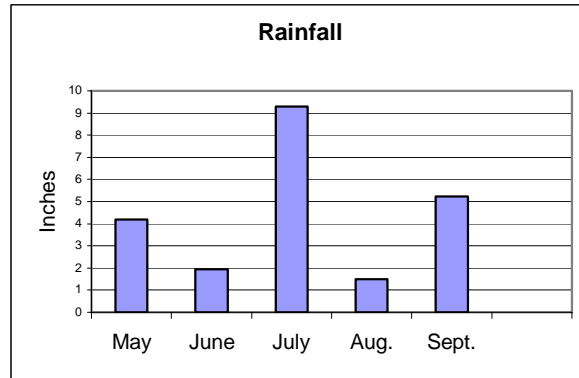
Planted on 5/21/2007, Harvested on 10/31/2007.

All values represent least squares means.

Table 31. Rainfall and agronomic information for Rolling Fork, Delta Region.

Rainfall Summary

	Inches
May.....	1.99
June.....	0.05
July.....	10.61
August.....	1.21
September.....	2.70
October.....	4.12
Total.....	20.68



Soil Type..... Silty Clay Soil
 Fertilizer Added..... 75# P., 120 # K., 120 # N., 8# Sulfur
 Herbicide Applications.... Staple @ 1.3 oz., Cotoran @ 1.5 pt., Prowl @ 1 qt. (4-30-07). Select @ 10 oz. (5-31-07). Staple @ 1.3 oz. (6-12-07).
 Insecticide Applications... Trimax @ 9 oz.(6-4-07). Trimax @ 1.8 oz. (6-25-07). Carbine @ 2.3 oz., Stance @ 2 oz.(7-9-07). Orthene @ 1 lb., Stance @ 2 oz. (7-18-07). Baythroid @ 1-64., Orthene @ 1/2 lb. (7-23-07). Orthene @ 1 lb.(7-27-07). Vydate @ 1-10., Stance @ 3 oz. (8-1-07).
 Orthene @ 1 lb. (8-20-07).
 Irrigation..... Non-irrigated
 Planting Date..... April 30, 2007
 Harvest Date..... November 2, 2007

Table 32. Rolling Fork, MS location of the Delta Region Early Maturity Test in the 2007 Mississippi State University Cotton Variety Trial grown on a SiltyClay.

Variety	Lint Yield lb/a	Lint Percent %	Seed Index g	Boll Size g	Length inch	Uniformity			
						Index %	Strength g/tex	Elongation %	Micronaire mic
DP 117 B2RF	1499	41.92	9.85	5.20	1.17	84.38	33.90	9.68	5.58
PHY 370 WR--CK	1487	41.17	10.63	5.39	1.15	85.18	32.50	9.58	5.60
ST 4498 B2RF	1360	39.84	9.93	4.90	1.18	86.05	33.33	10.25	5.45
DP 515 BG/RR	1332	42.78	10.15	4.59	1.15	84.25	31.03	9.10	5.83
ST 4357 B2RF	1328	40.20	10.38	4.76	1.24	86.13	29.53	9.48	5.15
DG 2520 B2RF	1323	39.92	10.38	4.92	1.22	85.88	29.65	9.45	5.23
DG 2490 B2RF	1305	39.03	10.63	4.84	1.19	85.83	29.95	9.88	4.95
DP 555 BG/RR--CK	1285	45.34	7.85	4.77	1.17	84.60	30.45	8.90	5.45
DP 454 BG/RR	1283	44.14	9.50	5.14	1.15	85.15	31.13	9.13	5.23
DP 432 RR	1265	40.99	9.78	5.00	1.13	85.10	32.18	9.90	5.65
DP 434 RR	1251	41.54	10.78	5.19	1.23	85.78	30.13	9.43	5.28
ST 4427 B2RF	1248	39.25	10.85	4.88	1.19	84.95	32.83	9.28	5.35
PHY 310 R	1244	42.62	10.45	5.45	1.13	84.60	32.88	9.80	5.78
DG 2242 B2RF	1243	38.28	10.83	4.43	1.20	85.30	29.08	9.60	5.30
CG 3020 B2RF	1237	38.63	11.18	4.83	1.18	85.85	29.65	9.53	5.20
DP 445 BG/RR	1223	41.18	10.00	5.10	1.18	85.58	31.30	9.70	5.55
DG CT07343 RF	1219	43.27	10.63	5.10	1.18	85.73	30.00	9.90	5.43
ST 4664 RF	1209	40.80	10.23	5.12	1.18	85.15	30.28	9.58	5.23
ST 4678 B2RF	1201	37.86	10.55	4.82	1.20	86.00	31.13	9.55	5.65
DP 455 BG/RR	1201	42.55	9.28	4.60	1.21	84.78	32.68	9.00	5.20
DG 2100 B2RF	1198	38.21	11.23	4.80	1.18	86.03	30.10	9.50	4.95
PHY 480 WR	1196	39.36	10.20	4.39	1.21	85.98	32.30	9.93	5.35
CG 3520 B2RF	1183	38.22	10.33	4.17	1.23	86.03	28.88	9.55	5.13
ST 5599 BR--CK	1163	41.07	10.85	5.38	1.20	85.28	32.28	9.13	5.63
ST 4596 B2RF	1148	38.44	10.00	5.19	1.20	85.10	31.93	10.00	5.55
ST 4554 B2RF	1133	39.69	10.45	4.93	1.19	85.53	31.75	9.95	5.43
CG 4020 B2RF	1132	39.70	10.33	4.38	1.20	85.30	29.60	9.38	5.25
DP 121 RF	1117	42.52	9.20	4.43	1.20	85.55	32.63	9.68	5.45
ST 5327 B2RF	1102	40.45	10.13	4.79	1.20	85.88	31.85	9.65	5.38
MISCOT 0141-15ne	1090	38.37	11.50	5.78	1.15	84.50	34.33	9.80	6.10
PHY 425 RF	1084	39.53	10.45	4.29	1.20	85.70	32.40	9.98	5.48
DP 147 RF	1083	41.35	9.95	5.12	1.27	85.50	32.05	9.03	5.08
PHY 485 WRF	1061	39.82	9.78	4.40	1.19	85.53	32.88	9.98	5.53
DP 393	1060	40.37	10.38	4.75	1.22	86.00	32.60	9.95	5.58
MISCOT 8913-2	1011	38.98	10.25	4.72	1.18	85.33	31.90	9.38	5.48
FM 1735 LLB2	996	39.11	10.53	4.63	1.19	85.83	35.20	9.13	5.40
MISCOT 8824-8	985	39.92	8.95	5.21	1.17	85.30	33.00	9.88	5.83
FM 9060 F	966	40.33	9.73	5.21	1.22	85.23	30.75	9.08	5.10
FM 9063 B2F	962	37.99	12.08	5.26	1.25	85.75	33.63	9.18	5.20
ST 6351 B2RF	955	37.60	11.48	5.12	1.23	85.60	31.25	9.18	5.30
FM 1600 LL	936	38.93	11.03	5.33	1.23	86.15	37.33	9.23	5.20
ST 5242 BR	929	40.85	11.58	5.65	1.14	83.93	28.93	9.33	5.25
DP 444 BG/RR--CK	927	40.70	10.23	4.62	1.14	84.13	29.93	9.10	5.10
DP 143 B2RF	918	38.35	10.68	4.85	1.28	85.55	30.45	9.10	5.13
FM 9068 F	861	38.80	10.85	5.25	1.23	85.45	33.13	9.23	4.98
FM 955 LLB2	760	36.06	12.65	5.04	1.24	85.20	32.15	8.98	5.58
MEAN	1146	40.13	10.40	4.93	1.19	85.38	31.67	9.50	5.38
LSD (.10)	163	1.18	1.33	0.41	0.03	0.82	1.11	0.26	0.20
CV (%)	12.14	2.51	10.94	7.03	2.29	0.82	2.99	2.35	3.24
R-square	0.67	0.82	0.44	0.61	0.69	0.51	0.82	0.77	0.74
REPS	4	4	4	4	4	4	4	4	4

Planted on 4/30/2007, Harvested on 11/2/2007.

All values represent least squares means.

Table 33. Rolling Fork, MS location of the Delta Region Mid Maturity Test in the 2007 Mississippi State University Cotton Variety Trial grown on a SiltyClay.

Variety	Lint Yield lb/a	Lint Percent %	Seed Index g	Boll Size g	Length inch	Uniformity			
						Index %	Strength g/tex	Elongation %	Micronaire mic
ST 5458 B2RF	1406	43.26	9.45	4.81	1.16	84.50	30.38	9.23	5.60
PHY 370 WR--CK	1285	42.70	10.48	4.62	1.12	84.38	31.18	9.78	5.65
ST 5327 B2RF	1232	42.65	9.03	4.59	1.17	85.80	30.60	9.43	5.48
DP 445 BG/RR	1230	41.54	9.43	4.57	1.18	85.43	30.80	9.63	5.43
DP 515 BG/RR	1210	41.90	9.20	4.20	1.15	84.48	31.25	9.25	5.55
DP 455 BG/RR	1207	43.46	8.50	4.68	1.17	84.05	32.15	8.98	5.23
ST 5599 BR--CK	1207	42.69	9.48	5.14	1.16	84.60	30.28	9.13	5.45
DP 555 BG/RR--CK	1149	43.95	8.55	4.76	1.15	84.25	30.85	9.23	5.70
DP 164 B2RF	1143	40.22	9.08	4.45	1.21	84.83	30.10	9.13	5.43
DP 454 BG/RR	1130	42.69	9.23	4.90	1.16	85.28	30.23	9.13	5.40
ST 5283 RF	1107	41.58	9.30	4.12	1.17	84.88	30.80	9.40	5.50
DP 167 RF	1104	41.33	10.00	4.93	1.20	85.08	31.60	9.38	5.38
DP 444 BG/RR--CK	1065	41.40	9.73	5.14	1.15	84.75	30.68	9.33	5.28
DP 147 RF	1037	41.59	9.45	4.85	1.22	84.15	30.08	9.00	5.40
DP 143 B2RF	1023	40.97	9.03	4.52	1.21	84.23	29.25	9.08	5.28
FM 1880 B2F	845	39.56	10.53	4.49	1.21	84.98	29.25	9.13	5.43
MEAN	1149	41.97	9.40	4.67	1.17	84.73	30.59	9.26	5.45
LSD (.10)	172	1.97	1.09	0.47	0.04	0.82	0.93	0.26	0.25
CV (%)	12.59	3.94	9.79	8.45	2.58	0.81	2.55	2.34	3.83
R-square	0.54	0.42	0.37	0.43	0.54	0.44	0.60	0.61	0.39
REPS	4	4	4	4	4	4	4	4	4

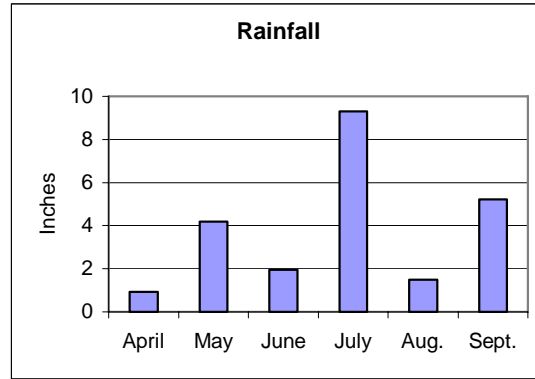
Planted on 4/30/2007, Harvested on 11/2/2007.

All values represent least squares means.

Table 34. Rainfall and agronomic information for Tribbett, Delta Region.

Rainfall Summary

	Inches
April.....	0.93
May.....	4.19
June.....	1.95
July.....	9.30
August.....	1.48
September.....	5.22
Total.....	23.07



Soil Type.....	Forestdale-like Silty Clay Loam Soil
Fertilizer Added.....	Potash (60% K2O) @ 2.0 cwt. (2-12-07).
Herbicide Applications.....	Glyphosate Plus @ 2 pt.(4-20-07). Prowl @ 2 pt., Cotoran @ 1.5 pt., Staple @ 1.3 oz. (4-23-07). MSMA @ 2.7 pt., Caparol @ 1 pt. (6-5-07). Select @ 10 oz. (7-23-07).
Insecticide Applications ...	Bidrin @ .2 oz. (5-10-07). Orthene @ .2 lb. (5-22-07). Vydate @ 10.6 oz. (6-15-07). Bidrin @ 6.4 oz. (6-20-07). Orthene @ 1 lb. (7-8-07). Vydate @ 10.6 oz., Diamond @ 9 oz. (7-11-07). Centric @ 2 oz. (7-18-07).Orthene @ 1 lb.(7-23-07). Centric @ 2 oz. (7-28-07). Orthene @ 1 lb., Ammo @ 3.2 oz. (7-31-07). Vydate @ 12.8 oz., Capture @ 2 oz. (8-14-07).
Irrigation.....	June 9, 2007. July 31, 2007. August 9, 2007.
Planting Date.....	April 23, 2007
Harvest Date.....	October 2, 2007

Table 35. Tribbett, MS location of the Delta Region Early Maturity Test in the 2007 Mississippi State University Cotton Variety Trial grown on a Forestdale-like Silty Clay Loam Soil.

Variety	Lint Yield lb/a	Lint Percent %	Seed Index g	Boll Size g	Length inch	Uniformity			
						Index %	Strength g/tex	Elongation %	Micronaire mic
DP 117 B2RF	1470	39.21	10.55	5.68	1.20	85.75	33.25	8.83	4.78
PHY 425 RF	1467	38.89	9.95	5.19	1.18	85.45	33.13	9.60	5.03
DP 444 BG/RR--CK	1445	41.27	10.33	6.17	1.16	85.30	32.33	8.83	4.65
DP 434 RR	1416	41.37	9.68	5.89	1.19	85.28	29.80	8.65	4.65
DG 2100 B2RF	1413	38.58	10.30	5.63	1.15	85.23	30.38	8.88	4.65
PHY 485 WRF	1411	39.53	9.40	5.29	1.18	85.78	34.10	9.60	4.70
PHY 310 R	1402	42.24	10.15	6.07	1.14	85.28	34.23	9.40	4.93
ST 4664 RF	1394	40.51	9.83	5.85	1.16	85.03	32.20	9.55	4.78
DP 445 BG/RR	1391	40.41	10.23	5.84	1.17	85.30	32.95	9.23	4.83
CG 3020 B2RF	1391	38.42	10.55	5.40	1.15	85.25	30.65	8.80	4.58
ST 4678 B2RF	1388	36.95	10.98	5.84	1.20	86.08	31.63	8.83	5.08
DP 432 RR	1381	39.54	9.63	5.39	1.16	85.63	33.25	9.15	4.85
ST 4554 B2RF	1374	38.93	10.40	5.82	1.18	85.55	33.23	9.50	4.93
DG 2242 B2RF	1352	38.72	9.50	5.17	1.18	85.48	28.75	8.63	4.45
DP 393	1340	40.66	10.33	5.69	1.19	86.10	33.03	9.40	5.05
DG 2520 B2RF	1336	39.26	10.05	5.39	1.21	86.03	29.98	8.50	4.40
DP 454 BG/RR	1334	41.11	9.50	5.63	1.12	84.75	31.20	8.15	4.53
ST 4357 B2RF	1333	38.67	10.08	5.15	1.20	85.30	29.63	8.45	4.40
PHY 370 WR--CK	1325	42.15	10.18	5.41	1.13	84.90	33.08	8.95	5.28
ST 4596 B2RF	1325	37.74	10.48	6.01	1.22	85.88	32.95	9.55	5.05
ST 4427 B2RF	1325	39.03	10.00	5.13	1.19	85.63	33.00	8.70	4.68
DG CT07343 RF	1322	42.24	10.00	5.61	1.15	85.18	32.73	9.40	4.73
MISCOT 0141-15ne	1322	38.67	11.03	6.32	1.12	84.60	36.60	9.33	5.38
ST 5327 B2RF	1312	40.47	9.60	5.55	1.20	86.03	33.60	9.00	4.85
PHY 480 WR	1309	38.27	9.78	5.52	1.18	85.65	32.48	9.35	4.80
CG 4020 B2RF	1294	38.12	10.03	5.48	1.19	84.98	30.40	8.50	4.43
DG 2490 B2RF	1278	39.14	9.85	5.66	1.14	84.80	29.45	8.63	4.18
DP 455 BG/RR	1268	42.11	8.90	5.45	1.16	83.80	33.18	8.20	4.53
DP 515 BG/RR	1267	40.22	9.63	5.64	1.17	84.63	32.78	8.70	5.00
MISCOT 8824-8	1266	39.37	10.93	5.92	1.16	85.15	34.30	9.40	5.33
CG 3520 B2RF	1260	38.36	9.73	5.03	1.20	85.63	29.50	8.75	4.45
ST 4498 B2RF	1258	38.61	10.05	5.70	1.17	85.95	34.28	9.65	4.53
MISCOT 8913-2	1255	38.44	10.33	5.24	1.18	85.23	33.45	8.85	4.85
ST 5242 BR	1249	39.91	11.98	5.97	1.14	84.78	31.60	8.65	4.73
ST 5599 BR--CK	1222	39.40	10.73	6.28	1.16	85.10	32.80	8.50	4.95
DP 121 RF	1217	41.74	9.43	5.21	1.17	85.28	33.55	9.30	5.03
FM 9063 B2F	1139	37.57	11.68	6.00	1.24	85.88	34.05	8.60	4.73
FM 1600 LL	1139	39.18	11.18	5.90	1.19	85.53	35.30	8.48	4.65
FM 9068 F	1120	38.39	11.40	5.69	1.21	85.85	34.83	8.85	4.55
DP 143 B2RF	1114	38.18	10.33	5.36	1.26	85.60	30.73	8.45	4.65
DP 555 BG/RR--CK	1097	42.60	8.13	5.11	1.18	84.63	31.15	8.05	4.85
DP 147 RF	1086	39.04	10.83	5.88	1.24	85.95	32.00	8.30	4.40
FM 955 LLB2	1053	35.40	12.60	6.58	1.23	85.80	32.98	8.60	4.90
ST 6351 B2RF	1030	36.35	11.05	5.69	1.23	85.60	32.15	8.53	4.78
FM 9060 F	979	39.17	11.20	5.38	1.24	85.43	31.38	7.85	4.53
FM 1735 LLB2	898	36.96	11.38	5.29	1.17	85.18	34.38	8.45	4.80
MEAN	1282	39.38	10.30	5.63	1.18	85.37	32.44	8.86	4.76
LSD (.10)	151	0.74	0.45	0.54	0.02	0.74	1.14	0.27	0.23
CV (%)	9.87	1.60	3.75	8.21	1.66	0.74	3.00	2.59	4.06
R-square	0.60	0.91	0.87	0.54	0.80	0.49	0.81	0.84	0.71
REPS	4	4	4	4	4	4	4	4	4

Planted on 4/23/2007, Harvested on 10/2/2007.

All values represent least squares means.

Table 36. Tribbett, MS location of the Delta Region Mid Maturity Test in the 2007 Mississippi State University Cotton Variety Trial grown on a Forestdale-like Silty Clay Loam Soil.

Variety	Lint Yield lb/a	Lint Percent %	Seed Index g	Boll Size g	Length inch	Uniformity			
						Index %	Strength g/tex	Elongation %	Micronaire mic
DP 444 BG/RR--CK	1349	41.46	10.08	5.32	1.14	84.83	30.68	8.50	4.05
DP 445 BG/RR	1339	40.01	9.50	5.60	1.16	85.08	32.00	9.03	4.25
ST 5283 RF	1299	39.63	9.50	4.83	1.15	84.78	34.38	9.08	4.15
DP 515 BG/RR	1246	39.24	8.90	4.75	1.14	84.03	31.05	8.20	4.40
ST 5599 BR--CK	1246	38.04	10.75	5.82	1.13	84.08	31.85	8.35	4.33
ST 5327 B2RF	1241	39.00	9.90	5.11	1.17	84.98	33.00	8.95	4.45
DP 454 BG/RR	1229	40.66	9.05	5.41	1.11	84.53	30.80	8.10	4.05
DP 167 RF	1197	38.39	9.75	5.16	1.18	84.95	31.20	8.35	4.08
DP 455 BG/RR	1192	41.79	8.98	5.03	1.15	84.08	30.03	7.68	3.98
PHY 370 WR--CK	1184	40.26	9.65	5.08	1.12	84.53	33.05	8.93	4.33
ST 5458 B2RF	1147	38.24	9.98	5.05	1.14	84.20	31.43	8.63	4.40
DP 164 B2RF	1121	36.95	9.75	5.41	1.21	84.83	31.03	8.05	4.25
DP 147 RF	1068	37.22	10.25	5.70	1.21	85.63	32.28	8.58	4.08
DP 143 B2RF	1007	37.09	10.30	5.25	1.24	85.10	31.48	8.25	4.18
DP 555 BG/RR--CK	970	40.82	7.98	5.10	1.12	83.50	29.30	7.40	4.50
FM 1880 B2F	948	35.68	10.95	5.04	1.19	85.00	32.78	8.63	4.00
MEAN	1161	39.03	9.70	5.22	1.16	84.63	31.64	8.42	4.22
LSD (.10)	122	1.56	0.49	0.62	0.03	0.88	1.27	0.30	0.23
CV (%)	8.24	3.37	4.24	9.72	1.88	0.88	3.37	3.05	4.57
R-square	0.70	0.74	0.82	0.48	0.80	0.42	0.66	0.82	0.56
REPS	4	4	4	4	4	4	4	4	4

Planted on 4/23/2007, Harvested on 10/2/2007.

All values represent least squares means.

Table 37. Tribbett, MS location of the Delta Region New Entry Test in the 2007 Mississippi State University Cotton Variety Trial grown on a Forestdale-like Silty Clay Loam Soil.

Variety	Lint Yield lb/a	Lint Percent %	Seed Index g	Boll Size g	Length inch	Uniformity		Elongation %	Micronaire mic
						Index %	Strength g/tex		
AM 1504 B2RF	1497	39.34	10.25	5.52	1.15	85.40	30.50	8.95	4.35
CG 3035 RF	1486	42.34	10.10	6.01	1.15	85.43	32.25	9.15	4.73
DG 2383 RF	1443	39.60	9.85	4.82	1.18	84.80	34.80	8.73	4.30
DG CT07550 B2RF	1438	40.85	10.33	5.78	1.17	85.78	31.78	9.08	4.78
DP 174 RF	1401	42.48	10.03	6.04	1.18	85.38	29.80	8.55	4.48
PHY 315 RF	1389	41.62	10.03	5.45	1.16	84.80	31.50	8.45	4.35
DP 555 BG/RR--CK	1350	42.87	8.45	5.34	1.16	84.18	31.05	7.90	4.68
AM 1532 B2RF	1344	37.92	10.05	4.86	1.20	85.23	29.18	8.30	4.03
MISCOT 0141-14ne	1340	38.93	11.38	6.00	1.15	85.08	33.78	8.90	4.83
CG 3220 B2RF	1329	39.26	10.40	6.12	1.17	85.50	31.48	9.13	4.73
AM 1550 B2RF	1326	40.65	10.20	5.48	1.15	84.85	29.80	8.25	4.58
LINWOOD	1317	39.57	9.80	6.19	1.14	84.95	34.73	9.00	5.05
DP 444 BG/RR--CK	1308	40.49	10.10	5.71	1.14	85.40	31.20	8.65	4.20
PHY 375 WRF	1297	41.32	9.65	5.17	1.15	84.65	31.23	8.45	4.23
MISCOT 0023-11ne	1275	36.54	11.13	5.27	1.16	85.10	30.38	8.20	4.45
PHY 370 WR--CK	1268	40.20	10.10	5.60	1.15	84.83	32.83	8.95	4.60
FMX 4330 B2F	1238	40.85	10.93	5.72	1.20	85.93	35.70	8.58	4.40
MISCOT 0110-1ne	1214	38.54	10.65	5.42	1.17	84.45	32.60	8.90	4.63
CT- 210	1202	38.42	9.60	5.56	1.14	83.93	33.25	8.95	5.03
MISCOT 0110-2ne	1180	36.62	11.03	5.32	1.21	85.70	32.78	8.98	4.35
ST 5599 BR--CK	1156	38.73	11.65	6.79	1.15	84.33	33.28	8.50	4.78
DP 161 B2RF	1154	37.81	9.45	5.38	1.22	86.28	31.65	8.60	4.68
GVS 5070	1075	38.78	12.28	5.80	1.24	84.93	30.78	8.10	4.95
DP 141 B2RF	1027	39.05	9.15	5.09	1.23	84.73	32.75	8.65	4.50
FMX 4327 B2F	983	38.21	10.85	5.68	1.22	85.18	33.40	8.15	4.73
GVS 5069	893	38.11	10.93	5.91	1.17	84.65	31.68	8.50	4.78
MEAN	1269	39.59	10.32	5.62	1.17	85.05	32.08	8.64	4.58
LSD (.10)	161	1.32	1.67	0.60	0.02	0.70	1.04	0.23	0.26
CV (%)	10.38	2.78	3.50	9.01	1.55	0.70	2.76	2.30	4.78
R-square	0.65	0.77	0.87	0.51	0.78	0.54	0.82	0.81	0.65
REPS	4	4	4	4	4	4	4	4	4

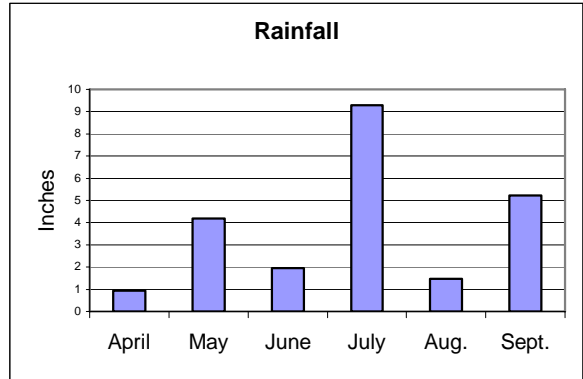
Planted on 4/23/2007, Harvested on 10/2/2007.

All values represent least squares means.

Table 38. Rainfall and agronomic information for Tunica, Delta Region.

Rainfall Summary

	Inches
April.....	0.50
May.....	2.20
June.....	1.00
July.....	3.00
August.....	1.20
September.....	1.30
Total.....	9.20



Soil Type.....	Sharkey-alligator clay
Fertilizer Added.....	42.5 Units Nsol.(2-23-07). 70.8 Units Nsol. (3-10-07).
Herbicide Applications.....	Staple @ 2 oz. Cotoran @ 1 qu. (4-23-07). Staple @ 1.6 oz. (5-30-07). Staple @ 1.5 oz.(6-11-07).
Insecticide Applications...	1 pt. Pendimethalin.(2-23-07). Orthene @ .25 lb.(5-21-07). Orthene @ 1 lb.(6-6-07). Centric @ 1.25 oz.(6-13-07). Couraze @ 1.5 oz.(6-25-07). Bidrin @ 1 gal.(7-11-07). Centric @ 1.5 oz.(7-18-07). Orthene @ .5 lb. (7-24-07). Ammo @ 1 gal. (7-24-07). Orthene @ .625 lb. (8-6-07).
Irrigation.....	June 8, 2007. June 28, 2007. July 27, 2007. August 2, 2007. August 12, 2007.
Planting Date.....	April 23, 2007
Harvest Date.....	October 9, 2007

Table 39. Tunica, MS location of the Delta Region Early Maturity Test in the 2007 Mississippi State University Cotton Variety Trial grown on Sharkey-alligator Clay

Variety	Lint Yield lb/a	Lint Percent %	Seed Index g	Boll Size g	Length inch	Uniformity		Elongation %	Micronaire mic
						Index %	Strength g/tex		
DP 445 BG/RR	1905	42.48	9.85	5.28	1.13	84.60	32.83	6.90	5.08
DP 454 BG/RR	1828	43.91	9.28	5.15	1.08	84.05	29.25	5.98	4.60
DP 434 RR	1739	42.47	10.38	5.57	1.16	84.28	28.05	6.30	4.83
DP 117 B2RF	1732	41.58	10.40	5.63	1.14	84.13	34.13	6.55	5.05
PHY 370 WR--CK	1727	42.84	10.35	5.59	1.06	83.35	33.68	6.90	5.58
DG CT07343 RF	1683	43.32	11.10	5.86	1.13	84.75	30.15	7.03	5.25
ST 4596 B2RF	1676	39.45	10.75	5.58	1.17	85.13	33.48	7.53	5.48
DP 455 BG/RR	1669	42.39	9.43	5.05	1.12	82.98	33.60	5.80	4.65
DP 121 RF	1640	42.83	9.78	6.06	1.14	84.68	33.35	6.88	5.40
PHY 310 R	1640	42.77	10.35	5.63	1.08	83.88	34.73	6.88	5.30
ST 5242 BR	1616	41.29	11.95	6.44	1.08	83.95	28.63	6.23	4.95
ST 4498 B2RF	1593	41.25	9.88	5.41	1.10	84.33	34.33	7.40	5.18
ST 5599 BR--CK	1587	39.62	11.45	6.10	1.14	83.53	30.08	6.10	4.93
ST 4554 B2RF	1584	41.22	10.80	5.64	1.13	84.80	30.93	7.35	5.30
ST 4678 B2RF	1579	38.14	10.90	5.23	1.15	84.85	32.45	6.53	5.28
ST 4664 RF	1551	41.98	10.38	5.64	1.08	83.35	32.10	7.15	5.25
DP 444 BG/RR--CK	1540	42.47	10.45	5.59	1.12	84.18	31.80	6.28	4.58
ST 4357 B2RF	1539	40.48	10.55	4.65	1.15	84.20	28.65	6.40	4.95
DG 2490 B2RF	1534	39.33	10.28	4.96	1.09	84.10	29.93	6.60	4.55
CG 3520 B2RF	1531	39.49	10.48	5.27	1.13	84.13	26.95	6.40	4.90
ST 5327 B2RF	1519	42.32	9.88	4.99	1.12	84.60	33.18	6.78	5.15
PHY 485 WRF	1510	40.08	9.85	5.00	1.13	84.45	33.48	7.20	5.28
CG 3020 B2RF	1500	38.80	10.73	5.08	1.09	83.93	29.25	6.65	4.75
CG 4020 B2RF	1493	40.86	9.70	5.26	1.13	83.98	28.40	6.58	4.90
MISCOT 8913-2	1474	39.44	10.93	5.65	1.13	84.38	32.70	6.58	5.28
MISCOT 0141-15ne	1472	39.82	11.43	5.86	1.07	83.53	37.33	6.88	5.75
ST 4427 B2RF	1469	39.61	10.03	5.23	1.12	83.85	34.03	6.48	5.20
DG 2242 B2RF	1464	39.91	10.10	4.95	1.15	83.60	27.03	6.35	5.05
DP 147 RF	1449	39.98	10.48	5.34	1.23	84.18	33.08	6.15	4.60
PHY 425 RF	1417	40.72	10.63	4.26	1.12	84.58	34.23	7.30	5.53
DP 515 BG/RR	1416	41.92	9.50	4.72	1.12	83.65	31.58	6.23	5.23
MISCOT 8824-8	1413	41.12	10.75	5.47	1.10	84.48	35.75	7.13	5.50
ST 6351 B2RF	1404	37.74	11.03	6.06	1.15	84.15	30.62	6.32	5.13
DG 2100 B2RF	1371	38.72	10.68	4.93	1.09	84.60	29.20	6.55	4.93
DG 2520 B2RF	1371	39.61	10.53	5.04	1.16	84.13	27.13	6.38	4.78
DP 432 RR	1366	41.39	10.00	5.21	1.12	84.83	34.50	6.98	5.43
DP 143 B2RF	1345	38.68	10.23	5.49	1.21	83.83	30.45	6.15	4.68
PHY 480 WR	1279	39.84	10.40	4.91	1.13	84.68	33.90	7.35	5.15
DP 393	1224	40.97	10.20	5.14	1.11	83.85	33.33	7.13	5.38
FM 955 LLB2	1219	36.32	13.12	6.26	1.17	83.85	32.95	6.25	5.30
FM 1600 LL	1218	39.96	11.65	5.69	1.16	84.80	36.30	6.15	4.90
FM 9060 F	1179	39.82	8.88	5.37	1.19	84.25	29.68	5.95	4.53
FM 9068 F	1105	38.88	12.25	6.35	1.20	84.80	34.80	6.35	4.73
FM 9063 B2F	1070	38.10	12.10	5.74	1.20	84.60	34.63	6.28	4.70
FM 1735 LLB2	1063	38.19	11.25	5.43	1.12	84.23	33.98	6.08	5.05
DP 555 BG/RR--CK	1021	43.38	8.30	5.07	1.11	83.03	30.60	5.70	5.08
MEAN	1470	40.55	10.51	5.39	1.13	84.17	31.98	6.59	5.06
LSD (.10)	201	1.00	1.05	0.63	0.03	0.78	2.03	0.27	0.25
CV (%)	11.45	2.11	8.55	9.54	2.17	0.80	5.42	3.50	4.24
R-square	0.66	0.85	0.59	0.52	0.76	0.43	0.75	0.85	0.74
REPS	4	4	4	4	4	4	4	4	4

Planted on 4/23/2007, Harvested on 10/9/2007.

All values represent least squares means.

Table 40. Tunica, MS location of the Delta Region Mid Maturity Test in the 2007 Mississippi State University Cotton Variety Trial grown on Sharkey-alligator Clay.

Variety	Lint Yield lb/a	Lint Percent %	Seed Index g	Boll Size g	Length inch	Uniformity			
						Index %	Strength g/tex	Elongation %	Micronaire mic
ST 5283 RF	1756	42.82	9.65	5.11	1.09	83.98	31.55	6.45	5.13
DP 445 BG/RR	1686	42.87	9.85	4.86	1.10	84.03	30.98	6.85	5.13
DP 455 BG/RR	1551	44.12	8.65	4.60	1.08	81.70	31.53	5.85	4.63
DP 454 BG/RR	1537	44.39	9.08	4.80	1.05	83.43	28.80	5.73	4.63
ST 5599 BR--CK	1486	42.18	10.48	5.44	1.08	82.75	30.73	6.13	5.30
ST 5327 B2RF	1468	42.09	9.35	4.79	1.09	83.95	31.18	6.53	5.13
DP 143 B2RF	1401	39.65	9.64	5.28	1.16	82.41	27.82	5.79	4.88
DP 147 RF	1367	42.12	9.30	4.30	1.15	82.90	30.28	5.70	4.73
DP 444 BG/RR--CK	1334	42.05	9.65	5.18	1.09	83.03	29.73	6.30	4.45
ST 5458 B2RF	1330	41.77	10.23	5.57	1.10	82.83	30.80	6.45	5.53
DP 167 RF	1306	40.71	9.83	5.27	1.17	83.58	31.33	6.23	5.10
DP 515 BG/RR	1283	43.44	8.34	4.99	1.05	82.32	29.75	6.01	5.33
PHY 370 WR--CK	1239	42.54	10.22	4.62	1.06	83.81	34.17	6.94	5.52
DP 164 B2RF	1238	40.89	9.38	4.98	1.15	83.58	29.75	6.08	5.33
FM 1880 B2F	1231	38.43	10.80	5.57	1.15	82.98	29.60	5.90	4.78
DP 555 BG/RR--CK	1029	43.63	8.08	5.10	1.10	82.75	29.63	5.73	5.05
MEAN	1413	42.15	9.55	5.05	1.10	83.16	30.52	6.16	5.03
LSD (.10)	232	1.11	0.61	0.74	0.03	0.91	2.13	0.25	0.25
CV (%)	11.66	2.11	5.08	10.20	2.45	0.87	5.58	3.30	3.99
R-square	0.67	0.81	0.79	0.47	0.74	0.56	0.48	0.85	0.79
REPS	4	4	4	4	4	4	4	4	4

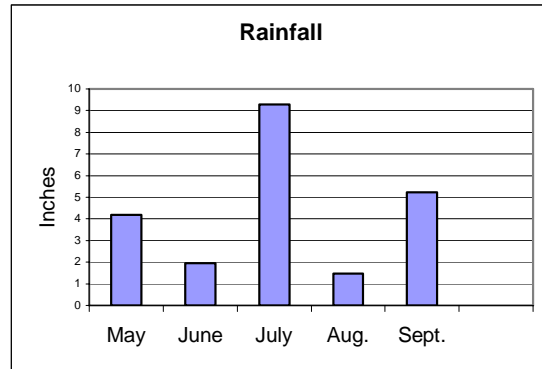
Planted on 4/23/2007, Harvested on 10/9/2007.

All values represent least squares means.

Table 41. Rainfall and agronomic information for Miss. State, Hill Region.

Rainfall Summary

	Inches
May.....	0.29
June.....	1.62
July.....	5.67
August.....	2.07
September.....	4.49
October.....	4.68
Total.....	18.82



Soil Type.....	Marietta Fine Sandy Loam
Fertilizer Added.....	Fertilizer 0-0-60 @ 100lb. (3-10-07). N @ 50lb. (5-22-07). N @ 75lbs. 97-18-07).
Herbicide Applications.....	Roundup @ 22 oz. (3-10-07). Treflan @ 1 qt. (3-19-07). Cotoran @ 1 qt., Dual @ 1.5 pt., Roundup @ 22oz., Staple @ 1.5 oz. (5-23-07). Staple @ 3oz. (6-26-07).
Insecticide Applications...	Centric @ 2 oz.(7-5-07). Tracer @ 2.5 oz., Karate @ 2 oz. (8-3-07). Scout-extra @ 6 oz. (9-12-07).
Irrigation.....	June 5, 2007. June 11, 2007. August 20, 2007.
Planting Date.....	May 21, 2007
Harvest Date.....	November 8, 2007

Table 42. Miss. State, MS location of the Hill Region Early Maturity Test in the 2007 Mississippi State University Cotton Variety Trial grown on a Marietta Fine Sandy Loam Soil.

Variety	Lint Yield lb/a	Lint Percent %	Seed Index g	Boll Size g	Length inch	Uniformity			
						Index %	Strength g/tex	Elongation %	Micronaire mic
PHY 370 WR--CK	1462	41.83	11.37	6.25	1.11	84.43	34.33	7.00	5.43
DP 555 BG/RR--CK	1445	42.64	9.30	5.83	1.14	82.73	32.20	5.90	5.10
PHY 485 WRF	1401	39.53	10.70	5.50	1.17	85.47	33.00	7.23	5.07
DP 454 BG/RR	1382	42.15	10.50	5.62	1.11	83.97	32.37	6.17	4.73
FM 1735 LLB2	1373	38.96	12.03	5.73	1.16	84.60	34.63	5.93	4.93
FM 1600 LL	1359	39.85	11.80	5.76	1.20	85.37	38.50	6.20	5.10
DP 515 BG/RR	1343	41.53	10.87	6.54	1.14	83.40	31.63	6.13	5.27
ST 4596 B2RF	1342	39.08	11.57	5.64	1.20	85.13	30.20	7.03	5.10
PHY 480 WR	1326	38.93	11.50	5.34	1.16	85.03	33.23	7.20	4.93
MISCOT 8824-8	1308	39.33	12.53	6.62	1.16	84.70	32.53	6.83	5.47
DP 117 B2RF	1268	39.23	11.40	6.22	1.18	84.50	36.10	6.63	4.67
MISCOT 8913-2	1261	37.87	11.60	5.22	1.19	85.00	32.90	6.60	4.77
ST 5242 BR	1253	40.97	13.20	6.63	1.13	84.10	27.73	5.93	4.67
FM 9063 B2F	1208	37.59	13.40	6.71	1.22	84.47	35.37	6.40	4.87
ST 6351 B2RF	1208	37.84	11.73	7.12	1.20	84.97	30.77	6.43	4.60
DP 143 B2RF	1199	37.59	10.63	5.95	1.24	84.27	29.70	5.87	4.43
PHY 425 RF	1191	39.35	11.67	5.90	1.19	85.70	32.00	7.13	5.13
ST 5599 BR--CK	1161	41.12	12.17	6.94	1.14	84.07	33.27	6.37	5.37
DP 455 BG/RR	1143	43.13	9.53	5.47	1.18	84.30	31.13	5.97	4.50
ST 4357 B2RF	1128	40.16	11.07	5.82	1.19	84.93	29.03	6.33	4.70
DP 445 BG/RR	1118	40.97	10.93	6.37	1.16	84.63	32.80	6.77	4.83
ST 5327 B2RF	1115	41.01	10.57	5.33	1.14	84.13	30.80	6.37	4.93
ST 4427 B2RF	1088	39.69	10.77	5.53	1.15	85.07	32.33	6.53	4.93
MISCOT 0141-15ne	1082	38.61	13.03	6.18	1.15	84.03	36.20	7.10	5.83
FM 955 LLB2	1079	36.83	13.37	6.45	1.23	85.77	31.03	6.33	5.13
DP 444 BG/RR--CK	1076	40.43	10.80	5.83	1.15	85.20	30.70	6.30	4.30
FM 9068 F	1068	37.97	13.37	6.61	1.25	85.70	34.80	6.40	4.67
DG 2490 B2RF	1065	38.94	10.83	5.20	1.11	84.07	29.53	6.40	4.70
ST 4678 B2RF	1065	37.62	11.77	5.94	1.18	85.07	29.20	6.33	4.80
DG 2520 B2RF	1046	39.63	11.10	5.32	1.19	84.60	27.70	6.23	4.63
ST 4498 B2RF	1002	39.79	10.53	5.90	1.17	84.87	32.40	7.07	4.63
DP 432 RR	981	40.14	11.53	5.95	1.15	84.83	32.03	6.73	4.97
CG 3020 B2RF	981	40.72	11.13	5.20	1.13	84.97	27.83	6.47	4.57
FM 9060 F	976	39.15	13.00	6.51	1.27	85.47	33.33	6.03	4.53
DP 147 RF	961	38.41	11.27	5.83	1.26	85.17	32.87	5.97	4.37
CG 4020 B2RF	936	40.33	11.30	5.59	1.18	85.00	28.17	6.17	4.63
DG CT07343 RF	929	41.07	11.23	5.86	1.16	84.67	31.53	6.73	4.93
DP 393	914	39.31	11.77	5.84	1.22	86.17	35.07	7.33	4.87
DP 434 RR	881	40.43	10.77	5.98	1.21	85.43	29.37	6.37	4.40
DG 2242 B2RF	878	39.26	10.13	4.56	1.16	84.23	29.10	6.47	4.50
CG 3520 B2RF	869	38.98	10.50	4.74	1.20	84.90	27.90	6.23	4.50
PHY 310 R	847	41.66	11.63	6.47	1.16	84.83	33.93	7.07	5.27
DP 121 RF	798	41.75	10.40	5.55	1.16	84.93	33.80	6.80	4.90
ST 4664 RF	792	39.20	10.83	5.31	1.17	84.87	31.90	7.23	4.60
DG 2100 B2RF	786	39.30	11.00	5.28	1.13	83.90	28.03	6.27	4.53
ST 4554 B2RF	753	40.23	10.80	5.51	1.15	84.03	30.37	6.93	4.93
MEAN	1104	39.79	11.37	5.86	1.17	84.73	31.81	6.52	4.84
LSD (.10)	236	1.13	0.76	0.81	0.03	0.97	2.13	0.30	0.38
CV (%)	15.68	2.10	4.91	10.19	1.98	0.84	4.93	3.45	5.76
R-square	0.66	0.82	0.82	0.57	0.81	0.58	0.80	0.84	0.68
REPS	3	3	3	3	4	4	4	4	4

Planted on 5/21/2007, Harvested on 11/8/2007.

All values represent least squares means.

The data of one replication were deleted due to high variation.

Table 43. Miss. State, MS location of the Hill Region Mid Maturity Test in the 2007 Mississippi State University Cotton Variety Trial grown on a Marietta Fine Sandy Loam Soil.

Variety	Lint Yield lb/a	Lint Percent %	Seed Index g	Boll Size g	Length inch	Uniformity			Micronaire mic
						Index %	Strength g/tex	Elongation %	
DP 555 BG/RR--CK	1619	41.65	10.00	6.09	1.16	84.05	33.55	6.15	5.15
DP 454 BG/RR	1599	42.63	11.00	5.91	1.12	84.80	32.43	6.33	4.83
DP 515 BG/RR	1569	41.11	10.53	6.37	1.20	85.30	32.85	6.33	5.13
DP 455 BG/RR	1499	43.06	9.63	5.77	1.20	84.88	34.23	6.23	4.58
ST 5458 B2RF	1410	41.79	11.93	6.48	1.19	84.60	33.88	6.63	5.60
ST 5599 BR--CK	1397	41.06	12.75	7.21	1.15	84.38	34.63	6.50	5.33
DP 445 BG/RR	1339	42.29	9.80	5.39	1.21	84.58	34.45	6.00	4.38
DP 164 B2RF	1267	38.36	10.55	5.56	1.21	84.88	31.83	6.10	4.63
PHY 370 WR--CK	1262	41.63	11.43	5.96	1.16	84.63	34.53	6.93	5.05
DP 143 B2RF	1204	37.97	11.38	6.20	1.28	85.00	30.90	6.08	4.48
DP 147 RF	1189	37.65	11.85	6.26	1.29	85.60	35.33	6.20	4.33
FM 1880 B2F	1088	39.14	10.90	5.75	1.23	84.60	33.75	6.35	4.23
DP 444 BG/RR--CK	993	40.65	10.98	5.73	1.17	85.63	31.18	6.53	4.40
ST 5327 B2RF	980	39.97	10.65	5.39	1.19	85.63	33.38	6.60	4.60
DP 167 RF	891	36.98	11.35	5.09	1.26	85.85	34.93	6.53	4.40
ST 5283 RF	855	38.70	10.95	5.63	1.22	85.75	33.70	6.68	4.48
MEAN	1269	40.29	10.98	5.92	1.20	85.01	33.47	6.38	4.72
LSD (.10)	222	0.74	0.52	0.61	0.03	0.66	1.36	0.24	0.26
CV (%)	12.88	1.54	3.95	8.63	2.13	0.66	3.43	3.16	4.66
R-square	0.78	0.93	0.84	0.59	0.84	0.64	0.69	0.77	0.83
REPS	4	4	4	4	4	4	4	4	4

Planted on 5/21/2007, Harvested on 11/8/2007.
All values represent least squares means.

Table 44. Miss. State, MS location of the Hill Region New Entry Test in the 2007 Mississippi State University Cotton Variety Trial grown on a Marietta Fine Sandy Loam Soil.

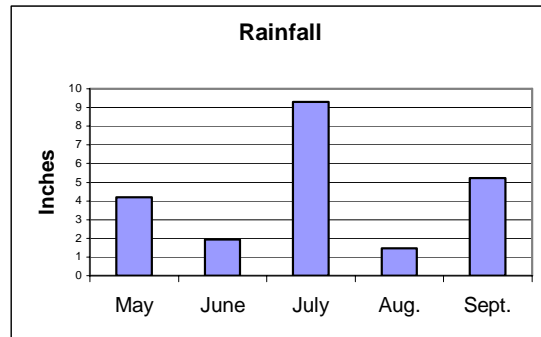
Variety	Lint Yield lb/a	Lint Percent %	Seed Index g	Boll Size g	Length inch	Uniformity			
						Index %	Strength g/tex	Elongation %	Micronaire mic
PHY 370 WR--CK	1568	41.90	11.35	5.91	1.14	85.05	33.00	6.85	5.15
DP 555 BG/RR--CK	1534	41.39	10.05	6.06	1.18	84.60	32.58	6.10	5.03
ST 5599 BR--CK	1438	40.22	12.73	7.08	1.17	84.95	34.80	6.63	5.23
DP 161 B2RF	1377	38.20	10.40	5.39	1.23	85.63	32.70	6.53	4.80
PHY 375 WRF	1343	42.98	10.88	5.82	1.17	84.73	31.45	6.60	4.88
CG 3220 B2RF	1341	41.15	11.93	6.62	1.19	85.83	32.10	7.23	5.15
DP 444 BG/RR--CK	1329	40.63	11.10	5.93	1.15	85.58	31.88	6.75	4.50
FMX 4330 B2F	1245	41.67	12.20	5.62	1.20	86.35	39.08	6.43	4.68
AM 1550 B2RF	1236	41.51	11.20	6.94	1.13	84.48	28.20	6.33	4.78
DG CT07550 B2RF	1207	42.21	11.75	6.74	1.17	85.68	32.05	7.10	5.15
FMX 4327 B2F	1192	39.57	11.30	6.02	1.22	85.38	37.20	6.05	4.80
DP 141 B2RF	1190	37.69	10.50	5.53	1.27	85.30	33.25	6.38	4.40
AM 1532 B2RF	1189	40.82	11.10	5.22	1.19	84.88	30.55	6.58	4.80
AM 1504 B2RF	1115	39.69	11.08	5.72	1.15	84.95	29.83	6.60	4.65
PHY 315 RF	1049	41.26	11.48	5.67	1.22	85.88	31.73	6.45	4.60
DP 174 RF	1044	42.49	11.58	5.97	1.25	85.68	31.68	6.53	4.58
CT- 210	1023	37.70	11.00	5.64	1.19	85.10	36.40	6.88	5.00
CG 3035 RF	1007	40.95	11.85	6.37	1.20	85.70	31.45	6.90	4.98
DG 2383 RF	933	37.08	10.95	5.41	1.23	85.83	32.90	6.70	4.33
MISCOT 0110-2ne	932	37.17	13.38	6.49	1.25	86.10	34.55	7.13	4.85
MISCOT 0023-11ne	879	35.65	12.48	5.99	1.20	85.00	32.35	6.28	4.48
GVS 5069	864	37.08	13.13	6.37	1.21	85.18	32.08	6.60	4.83
MISCOT 0110-1ne	812	38.85	12.70	6.28	1.23	85.45	35.65	6.83	5.10
LINWOOD	785	38.98	10.98	5.10	1.16	84.93	35.40	6.88	5.00
MISCOT 0141-14ne	783	38.17	13.93	7.11	1.20	85.53	37.53	6.98	5.30
GVS 5070	454	36.13	14.15	6.17	1.31	86.13	34.48	6.33	4.78
MEAN	1140	39.66	11.74	6.04	1.20	85.38	33.26	6.64	4.84
LSD (.10)	212	0.93	0.54	0.63	0.03	0.65	1.80	0.21	0.22
CV (%)	13.14	1.99	3.93	8.83	1.82	0.65	4.59	2.73	3.86
R-square	0.83	0.91	0.88	0.60	0.84	0.56	0.78	0.80	0.75
REPS	4	4	4	4	4	4	4	4	4

Planted on 5/21/2007, Harvested on 11/8/2007.
All values represent least squares means.

Table 45. Rainfall and agronomic information for Verona, Hill Region.

Rainfall Summary

	Inches
May.....	1.57
June.....	2.17
July.....	7.17
August.....	1.70
September.....	3.66
Total.....	16.27



Soil Type..... Leeper silty clay loam

Fertilizer Added..... 8lb. Zinc Sulfate, 170 lb. 0-0-60, 140 lb. sulfo-mag (22 % K2O, 22% Sulfur and 11% Mg.). (10-11-06).
32% UAN, 80# N.(6-13-07).

Herbicide Applications.... Roundup @ 48 oz.(3-07-07). Roundup @ 22 oz. (3-13-07). Touchdown @ 40 oz. (3-31-07). Roundup @ 26 oz. (5-08-07).
Gramaxone @ 3.6 pt., Dual Magnum @ 1.2 pt., Cotoran @ 1.8 pt., Staple @ 1.5 oz. (5-15-07). Staple @ 3.1 oz. (6-05-07).
Select @ 8 oz. (6-12-07). Caporal @ 2 pt. (6-22-07). MSMA @ 2.7 pt., Cotoran @ 1.6 pt.(7-05-07).(7-18-07).

Insecticide Applications.. Tracer @ 2 oz. (8-09-07). Capture @ 3.9 oz.(8-16-07).(8-24-07). Discipline @ 3.6 oz., Tracer @ 2.14 oz.(8-30-07).

Irrigation..... Non-irrigated

Planting Date..... May 14, 2007

Harvest Date..... October 10, 2007.

Table 46. Verona , MS location of the Hill Region Early Maturity Test in the 2007 Mississippi State University Cotton Variety Trial grown on a Leeper Silty Clay Loam.

Variety	Lint Yield lb/a	Lint Percent %	Seed Index g	Boll Size g	Length inch	Uniformity			
						Index %	Strength g/tex	Elongation %	Micronaire mic
DP 555 BG/RR--CK	1483	45.73	7.70	5.12	1.08	82.73	30.18	9.55	5.40
DP 515 BG/RR	1466	44.67	8.53	5.20	1.07	83.45	29.63	9.78	5.68
MISCOT 8824-8	1435	42.63	10.28	5.51	1.08	84.00	31.55	10.18	5.80
ST 5599 BR--CK	1420	42.96	10.85	6.57	1.10	84.33	31.65	9.98	5.65
DP 117 B2RF	1414	43.06	9.68	5.98	1.10	84.00	32.08	10.00	5.48
FM 1600 LL	1408	42.58	10.60	5.62	1.13	84.05	32.15	9.45	5.35
DP 147 RF	1400	43.00	9.38	5.37	1.18	84.18	30.43	9.50	5.20
DP 445 BG/RR	1398	44.18	9.00	5.61	1.10	84.83	30.35	10.00	5.10
DP 393	1391	42.76	10.28	5.42	1.13	84.88	31.18	10.25	5.48
DP 454 BG/RR	1382	45.67	9.00	5.32	1.03	83.75	29.53	9.60	5.00
MISCOT 0141-15ne	1377	41.43	10.63	5.89	1.05	83.73	33.45	10.50	5.93
PHY 485 WRF	1356	42.87	9.30	5.01	1.12	84.48	31.05	10.53	5.40
ST 6351 B2RF	1351	40.76	10.20	5.85	1.14	83.53	29.98	9.98	5.25
ST 4678 B2RF	1337	40.60	9.95	5.02	1.14	84.90	29.93	10.00	5.23
DP 455 BG/RR	1333	45.20	8.38	5.24	1.11	83.48	30.33	9.55	4.95
DP 432 RR	1328	43.60	8.83	5.13	1.07	83.88	30.03	10.00	5.70
ST 5327 B2RF	1328	42.58	9.33	4.88	1.12	84.38	31.20	10.00	5.13
DP 143 B2RF	1326	41.39	9.48	5.53	1.17	83.73	28.95	9.65	5.23
DP 121 RF	1317	43.54	9.00	5.05	1.12	84.33	30.30	10.00	5.63
PHY 425 RF	1316	42.39	9.63	4.98	1.10	84.45	31.03	10.75	5.80
PHY 310 R	1304	44.94	9.70	5.25	1.06	84.10	31.93	10.25	5.50
FM 1735 LLB2	1293	41.25	10.23	4.83	1.12	84.30	31.13	9.25	4.98
PHY 370 WR--CK	1293	44.29	9.50	5.17	1.09	83.80	31.15	10.00	5.53
DG CT07343 RF	1292	45.40	9.50	5.56	1.09	84.05	30.15	10.25	5.23
MISCOT 8913-2	1273	41.72	9.90	5.13	1.13	84.63	31.08	10.00	5.63
FM 9068 F	1272	41.29	11.23	5.88	1.14	83.88	32.15	9.98	5.30
ST 5242 BR	1271	43.47	11.08	6.50	1.07	83.60	27.98	9.55	5.25
DP 444 BG/RR--CK	1255	43.41	9.28	5.18	1.09	83.73	28.63	9.50	4.63
ST 4664 RF	1251	43.39	9.05	5.46	1.10	83.95	30.33	10.75	5.35
ST 4427 B2RF	1213	41.68	9.25	4.91	1.12	83.55	30.38	9.73	5.15
FM 9060 F	1195	42.02	11.15	5.50	1.15	84.95	29.88	9.58	5.15
ST 4554 B2RF	1195	43.17	9.15	5.30	1.09	84.15	30.45	10.50	5.45
DG 2242 B2RF	1188	41.39	9.05	4.60	1.14	84.10	27.48	9.80	4.95
ST 4498 B2RF	1188	42.56	9.10	5.64	1.11	84.68	32.28	10.75	5.03
ST 4596 B2RF	1159	41.27	9.45	5.25	1.15	84.40	31.25	11.00	5.38
FM 955 LLB2	1153	38.67	11.33	5.79	1.15	84.43	29.70	9.55	5.40
FM 9063 B2F	1138	40.03	11.15	5.69	1.15	84.08	31.73	9.78	5.13
PHY 480 WR	1135	40.53	9.90	4.64	1.12	84.75	31.63	11.00	5.55
DG 2490 B2RF	1117	40.90	10.05	4.96	1.08	83.65	28.80	10.20	4.60
DG 2100 B2RF	1111	41.50	9.68	5.28	1.06	83.43	28.15	9.78	5.05
ST 4357 B2RF	1106	41.86	10.00	5.28	1.12	84.48	28.45	9.85	5.08
CG 4020 B2RF	1064	42.26	9.55	5.25	1.12	83.83	27.58	9.68	5.20
CG 3520 B2RF	1045	41.37	9.23	4.66	1.12	84.10	27.55	9.75	4.93
DG 2520 B2RF	1039	41.88	9.55	5.07	1.14	83.93	28.63	9.73	5.03
CG 3020 B2RF	1029	40.68	9.83	5.25	1.10	84.08	28.48	9.90	4.95
DP 434 RR	1019	44.14	9.28	5.45	1.16	84.48	28.50	9.85	5.10
MEAN	1265	42.54	9.70	5.34	1.11	84.09	30.22	9.98	5.28
LSD (.10)	150	0.94	0.51	0.33	0.03	0.99	1.09	0.41	0.24
CV (%)	9.98	1.89	4.50	5.22	2.20	1.01	3.09	3.51	3.95
R-square	0.66	0.84	0.81	0.76	0.71	0.33	0.76	0.66	0.73
REPS	4	4	4	4	4	4	4	4	4

Planted on 5/14/2007 , Harvested on 10/10/2007.

All values represent least squares means.

Table 47. Verona , MS location of the Hill Region Mid Maturity Test in the 2007 Mississippi State University Cotton Variety Trial grown on a Leeper Silty Clay Loam.

Variety	Lint Yield lb/a	Lint Percent %	Seed Index g	Boll Size g	Length inch	Uniformity			
						Index %	Strength g/tex	Elongation %	Micronaire mic
DP 454 BG/RR	1708	44.05	8.88	5.27	1.09	84.50	29.30	9.58	4.88
DP 555 BG/RR--CK	1680	45.76	8.00	4.75	1.08	82.95	29.15	9.23	5.13
DP 455 BG/RR	1595	45.18	8.38	5.01	1.12	83.43	30.68	9.60	4.85
DP 515 BG/RR	1591	43.93	8.55	5.02	1.10	84.05	29.63	9.75	5.10
ST 5599 BR--CK	1545	42.89	10.63	5.98	1.11	84.25	31.38	9.93	5.23
PHY 370 WR--CK	1525	43.97	9.60	5.10	1.09	84.58	30.88	10.00	5.23
DP 147 RF	1524	42.99	9.30	5.53	1.18	84.28	29.78	9.40	4.95
DP 143 B2RF	1505	40.77	9.18	5.02	1.21	83.88	27.50	9.03	4.60
DP 444 BG/RR--CK	1487	43.86	9.05	5.09	1.10	84.35	28.58	9.63	4.53
DP 445 BG/RR	1476	43.35	8.83	5.10	1.12	84.85	29.75	10.00	4.80
ST 5458 B2RF	1450	43.28	9.70	5.33	1.11	84.20	30.58	9.85	5.18
ST 5283 RF	1439	42.73	9.03	4.77	1.13	84.33	30.35	9.75	4.88
ST 5327 B2RF	1307	42.83	8.90	4.73	1.12	84.65	30.43	9.93	5.15
DP 164 B2RF	1288	41.18	9.10	4.76	1.16	83.95	29.10	9.65	4.93
DP 167 RF	1239	41.73	9.53	5.19	1.15	84.88	30.13	9.80	5.00
FM 1880 B2F	1121	40.98	9.75	5.06	1.15	84.85	30.38	9.70	4.60
MEAN	1468	43.09	9.15	5.11	1.12	84.25	29.85	9.68	4.94
LSD (.10)	165	0.71	0.53	0.35	0.03	0.97	1.09	0.21	0.37
CV (%)	9.45	1.39	4.90	5.76	2.37	0.97	3.08	1.79	6.31
R-square	0.71	0.88	0.74	0.62	0.71	0.38	0.60	0.80	0.60
REPS	4	4	4	4	4	4	4	4	4

Planted on 5/14/2007 , Harvested on 10/10/2007.

All values represent least squares means.

Table 48. Verona, MS location of the Hill Region New Entry Test in the 2007 Mississippi State University Cotton Variety Trial grown on a Leeper Silty Clay Loam.

Variety	Lint Yield lb/a	Lint Percent %	Seed Index g	Boll Size g	Length inch	Uniformity			
						Index %	Strength g/tex	Elongation %	Micronaire mic
PHY 370 WR--CK	1736	44.51	9.48	5.35	1.08	84.20	29.03	9.95	5.28
PHY 375 WRF	1662	44.05	9.40	5.14	1.13	84.18	29.43	9.75	4.90
DP 555 BG/RR--CK	1654	45.86	7.85	4.78	1.09	82.98	29.65	9.23	5.08
GVS 5070	1646	42.11	11.28	6.46	1.20	84.58	29.45	9.20	5.33
MISCOT 0141-14ne	1634	41.51	10.55	5.72	1.12	84.23	31.18	9.95	5.25
PHY 315 RF	1587	44.67	9.28	5.39	1.11	83.98	28.78	9.55	4.98
AM 1550 B2RF	1559	43.88	9.40	5.26	1.08	83.65	27.80	9.45	5.08
DP 444 BG/RR--CK	1556	43.25	9.45	5.10	1.11	83.98	28.73	9.50	4.45
ST 5599 BR--CK	1536	42.09	10.35	6.15	1.11	84.45	31.43	9.85	5.10
DG CT07550 B2RF	1500	43.77	9.15	5.70	1.10	84.55	29.13	10.00	5.08
GVS 5069	1480	41.68	9.75	5.96	1.12	84.13	28.75	9.65	5.15
CT- 210	1466	41.62	8.88	5.14	1.11	83.95	30.28	9.95	5.20
MISCOT 0023-11ne	1446	39.21	10.45	5.24	1.12	83.35	28.43	9.03	4.68
CG 3035 RF	1441	44.90	9.85	5.59	1.10	84.73	29.73	10.00	5.25
MISCOT 0110-2ne	1428	40.03	10.38	5.76	1.14	84.90	30.48	10.00	5.23
CG 3220 B2RF	1423	43.27	9.68	5.29	1.12	84.53	28.73	10.00	5.23
MISCOT 0110-1ne	1408	41.81	10.05	5.25	1.12	84.13	30.48	10.00	5.23
DP 141 B2RF	1382	41.53	8.88	5.22	1.19	84.10	28.73	9.75	4.85
AM 1532 B2RF	1369	41.03	9.60	4.74	1.15	84.75	28.33	9.60	4.68
FMX 4327 B2F	1354	42.48	9.63	5.37	1.17	84.50	30.25	9.13	5.20
LINWOOD	1351	42.36	9.40	4.79	1.10	84.70	31.80	10.00	5.60
DP 174 RF	1326	46.15	9.80	5.82	1.15	84.70	28.40	9.80	5.13
DP 161 B2RF	1322	40.85	8.53	4.67	1.19	84.93	30.90	10.00	5.00
FMX 4330 B2F	1292	43.56	10.58	5.12	1.16	85.58	32.80	9.63	4.63
DG 2383 RF	1262	40.80	9.78	4.71	1.13	84.15	31.43	9.80	4.53
AM 1504 B2RF	1248	41.18	9.53	4.84	1.09	84.28	28.00	9.88	4.90
MEAN	1478	42.62	9.65	5.33	1.13	84.31	29.69	9.72	5.04
LSD (.10)	186	0.83	0.68	0.36	0.03	0.79	0.91	0.20	0.29
CV (%)	10.29	1.66	5.99	5.70	1.90	0.80	2.60	1.75	4.82
R-square	0.57	0.89	0.67	0.76	0.81	0.57	0.84	0.81	0.70
REPS	4	4	4	4	4	4	4	4	4

Planted on 5/14/2007 , Harvested on 10/10/2007.

All values represent least squares means.

Table 50. Raymond, MS location of the Hill Region Early Maturity Test in the 2007 Mississippi State University Cotton Variety Trial grown on a Loring Silty Loam Soil.

Variety	Lint Yield lb/a	Lint Percent %	Seed Index g	Boll Size g	Length inch	Uniformity			
						Index %	Strength g/tex	Elongation %	Micronaire mic
PHY 370 WR--CK	1892	42.86	9.68	4.77	1.09	84.15	29.30	9.20	5.20
MISCOT 8824-8	1713	41.30	10.68	5.43	1.12	84.93	31.23	9.43	5.53
PHY 310 R	1701	43.50	9.33	5.16	1.08	83.28	29.73	9.43	5.28
DP 147 RF	1692	41.11	9.63	5.28	1.20	84.55	29.28	8.53	4.78
DP 515 BG/RR	1691	42.46	8.85	4.83	1.13	83.65	28.50	8.75	5.23
DP 445 BG/RR	1683	41.02	9.25	5.04	1.12	84.05	29.00	9.28	4.80
DP 555 BG/RR--CK	1671	44.19	8.65	4.43	1.10	82.40	28.10	8.45	5.50
PHY 425 RF	1670	41.09	9.33	4.42	1.13	84.93	29.60	9.50	5.35
DP 432 RR	1632	40.99	9.00	4.78	1.11	84.75	29.93	9.58	5.33
MISCOT 0141-15ne	1628	40.31	10.30	5.57	1.07	83.58	31.58	9.25	5.78
ST 5242 BR	1597	41.95	11.10	6.26	1.09	83.95	27.15	8.65	4.70
PHY 480 WR	1560	40.43	9.48	4.47	1.14	84.95	29.78	9.68	5.30
DP 121 RF	1555	43.45	9.25	4.85	1.12	83.85	29.93	9.30	5.50
ST 4664 RF	1545	41.99	9.30	5.06	1.10	84.13	29.35	9.75	5.08
DP 117 B2RF	1544	40.49	9.73	5.00	1.13	84.25	30.78	9.08	4.98
ST 5327 B2RF	1534	41.14	8.48	4.66	1.11	84.03	29.25	8.93	4.95
ST 4554 B2RF	1532	41.43	9.75	5.04	1.10	83.28	30.18	9.75	5.18
DP 444 BG/RR--CK	1522	42.00	9.75	5.02	1.10	83.88	28.48	8.80	4.55
MISCOT 8913-2	1522	40.63	9.98	4.97	1.12	84.45	29.48	9.00	5.28
ST 6351 B2RF	1516	38.62	9.80	5.39	1.16	84.55	28.53	8.93	4.93
DP 393	1516	41.30	9.83	5.05	1.15	85.05	31.30	9.65	5.05
FM 1600 LL	1507	40.55	10.70	5.63	1.16	84.88	30.35	8.40	4.95
ST 4678 B2RF	1502	38.60	9.63	4.42	1.15	84.93	29.35	9.18	4.98
ST 4498 B2RF	1501	40.97	9.25	4.93	1.11	84.15	30.80	9.58	4.73
PHY 485 WRF	1499	41.43	9.13	4.60	1.12	84.60	29.35	9.68	5.30
ST 4596 B2RF	1483	39.67	9.90	4.86	1.16	85.18	29.48	9.65	4.93
FM 9060 F	1482	40.56	10.30	4.99	1.21	84.63	28.28	8.25	4.68
DG CT07343 RF	1479	43.49	9.50	5.01	1.11	84.33	29.05	9.63	4.93
DP 455 BG/RR	1469	42.61	8.33	4.52	1.11	83.23	29.18	8.43	4.50
ST 4427 B2RF	1447	41.03	8.98	4.36	1.11	84.08	29.63	9.00	5.20
ST 5599 BR--CK	1440	40.83	11.05	5.85	1.11	83.33	30.40	8.88	5.40
DP 143 B2RF	1417	38.42	7.45	4.99	1.22	84.10	28.53	8.50	4.70
DP 454 BG/RR	1393	43.46	8.58	4.57	1.08	83.73	27.80	8.20	4.60
FM 955 LLB2	1393	37.15	11.90	5.64	1.18	84.80	28.78	8.75	5.05
ST 4357 B2RF	1340	39.71	9.53	4.80	1.17	84.83	26.63	8.88	4.65
DP 434 RR	1322	42.80	9.03	5.08	1.14	84.33	27.33	8.93	4.58
DG 2242 B2RF	1307	38.41	8.95	4.14	1.14	84.40	26.08	8.73	4.53
FM 1735 LLB2	1301	38.80	10.25	4.84	1.13	83.95	31.40	8.50	4.90
FM 9063 B2F	1299	37.94	11.08	5.33	1.21	85.10	30.95	8.98	4.75
CG 4020 B2RF	1297	40.00	9.58	4.63	1.17	84.78	26.35	8.70	4.45
CG 3020 B2RF	1285	39.05	9.53	4.94	1.12	84.53	26.85	8.90	4.55
DG 2520 B2RF	1285	39.49	9.60	4.60	1.15	84.23	26.93	8.78	4.53
FM 9068 F	1276	39.47	11.48	5.63	1.18	85.13	31.00	9.03	4.83
DG 2490 B2RF	1237	38.04	9.03	4.29	1.07	83.95	27.13	9.13	4.20
DG 2100 B2RF	1234	37.99	9.28	4.68	1.10	84.10	26.63	8.78	4.18
CG 3520 B2RF	1201	38.14	9.20	4.02	1.14	84.30	27.28	8.98	4.55
MEAN	1485	40.67	9.61	4.93	1.13	84.26	29.04	9.03	4.93
LSD (.10)	227	0.73	0.90	0.36	0.02	0.77	1.12	0.28	0.30
CV (%)	13.04	1.53	7.95	6.31	1.62	0.78	3.30	2.65	5.24
R-square	0.46	0.91	0.63	0.78	0.85	0.53	0.77	0.82	0.73
REPS	4	4	4	4	4	4	4	4	4

Planted on 5/1/2007 , Harvested on 10/15/2007.

All values represent least squares means.

Table 51. Raymond, MS location of the Hill Region Mid Maturity Test in the 2007 Mississippi State University Cotton Variety Trial grown on a Loring Silty Loam Soil.

Variety	Lint Yield lb/a	Lint Percent %	Seed Index g	Boll Size g	Length inch	Uniformity			
						Index %	Strength g/tex	Elongation %	Micronaire mic
DP 515 BG/RR	1726	42.40	8.68	4.63	1.11	83.28	28.65	8.60	5.13
PHY 370 WR--CK	1637	43.00	9.43	4.74	1.09	84.00	29.18	9.10	5.20
DP 555 BG/RR--CK	1596	44.04	7.90	4.83	1.10	82.33	27.83	8.30	5.40
DP 147 RF	1542	40.18	9.95	5.39	1.22	84.48	29.20	8.35	4.53
DP 454 BG/RR	1490	43.29	8.83	4.56	1.09	84.35	27.80	8.15	4.15
DP 444 BG/RR--CK	1474	40.78	8.88	4.84	1.11	83.18	28.10	8.73	4.63
DP 143 B2RF	1466	38.51	9.65	4.85	1.21	83.68	28.53	8.55	4.78
ST 5599 BR--CK	1466	41.02	10.60	5.87	1.12	83.50	29.23	8.65	5.20
ST 5327 B2RF	1461	41.27	8.55	4.63	1.12	84.95	30.38	9.35	4.80
DP 445 BG/RR	1457	40.78	8.88	5.00	1.15	85.15	30.60	9.23	4.55
DP 455 BG/RR	1457	42.85	8.70	5.35	1.11	83.25	29.53	8.43	4.45
ST 5283 RF	1413	41.64	8.53	4.28	1.11	83.83	30.10	9.08	4.70
ST 5458 B2RF	1362	40.62	9.60	5.10	1.15	83.53	28.98	8.93	4.95
DP 167 RF	1297	39.67	9.28	4.76	1.17	84.50	29.30	8.78	4.85
DP 164 B2RF	1263	39.36	8.65	4.53	1.18	84.35	29.18	8.80	4.88
FM 1880 B2F	1036	37.97	9.35	4.83	1.17	83.85	28.83	8.35	4.30
MEAN	1446	41.09	9.09	4.89	1.14	83.89	29.09	8.71	4.78
LSD (.10)	194	0.92	0.51	0.44	0.02	0.84	1.02	0.27	0.30
CV (%)	11.32	1.88	4.76	7.63	1.80	0.84	2.94	2.62	5.34
R-square	0.60	0.87	0.76	0.63	0.85	0.61	0.57	0.77	0.74
REPS	4	4	4	4	4	4	4	4	4

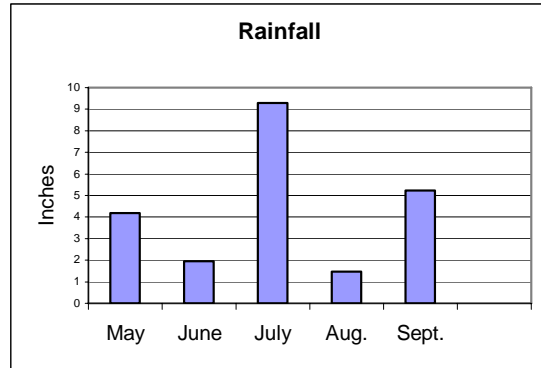
Planted on 5/1/2007 , Harvested on 10/15/2007.

All values represent least squares means.

Table 52. Rainfall and agronomic information for Senatobia, Hill Region.

Rainfall Summary

	Inches
May.....	1.30
June.....	1.64
July.....	9.08
August.....	1.26
September.....	1.56
October.....	5.37
Total.....	20.21



Soil Type.....	Memphis Silt Loam
Fertilizer Added.....	325 lb/A 12-12-30. (3-22-07). 70 lb. N/A as UAN 32%. (6-20-07).
Herbicide Applications....	Touchdown @ 24 oz., Clarity @ 8 oz. (3-10-07). Staple @ 1.3 oz. (6-18-07). Direx @ 1 qt., Staple @ 1.3 oz. (7-10-07).
Insecticide Applications..	Acephate @ .25 lb. (5-24-07). Dimethoate @ 11 oz., Diamond @ 2 oz. (7-2-07). Bidrin @ 6.4 oz., Diamond @ 2 oz. (7-27-07). Bifenthrin @ 4.3 oz. (8-20-07).
Irrigation.....	Non-irrigated
Planting Date.....	May 8, 2007
Harvest Date.....	October 29, 2007

Table 53. Senatobia, MS location of the Hill Region Early Maturity Test in the 2007 Mississippi State University Cotton Variety Trial grown on a Memphis Silty Loam.

Variety	Lint Yield lb/a	Lint Percent %	Seed Index g	Boll Size g	Length inch	Uniformity			
						Index %	Strength g/tex	Elongation %	Micronaire mic
DP 117 B2RF	1698	40.07	11.53	6.12	1.16	84.83	34.85	6.63	4.95
ST 4498 B2RF	1656	39.97	11.03	5.88	1.13	85.05	34.78	7.40	4.90
ST 5242 BR	1643	40.21	13.25	5.82	1.10	83.78	30.35	6.38	4.95
ST 4427 B2RF	1574	39.83	10.68	5.43	1.13	84.28	34.58	6.65	5.13
PHY 370 WR--CK	1563	41.59	11.25	5.63	1.11	84.33	33.73	6.88	5.40
DG 2490 B2RF	1559	38.46	10.60	5.24	1.11	84.08	30.60	6.93	4.53
ST 5327 B2RF	1557	41.05	10.68	5.40	1.14	83.93	33.98	6.95	5.18
ST 4678 B2RF	1522	37.87	11.78	5.36	1.16	84.73	32.18	6.73	5.05
ST 4596 B2RF	1521	38.26	11.65	6.03	1.19	85.35	33.18	7.45	5.25
DP 445 BG/RR	1520	40.81	10.90	5.71	1.15	84.78	33.28	7.03	4.95
ST 4554 B2RF	1502	39.96	11.55	5.78	1.14	84.70	33.35	7.85	5.35
DP 444 BG/RR--CK	1498	41.01	11.10	5.39	1.13	84.75	30.80	6.38	4.50
DG 2520 B2RF	1490	38.89	10.75	5.43	1.16	84.48	29.70	6.53	4.80
CG 3020 B2RF	1487	37.86	11.58	4.92	1.12	84.23	30.28	6.75	4.60
DP 432 RR	1485	39.87	10.75	5.29	1.14	84.68	32.40	6.88	5.25
DG 2242 B2RF	1474	37.65	11.23	5.12	1.18	85.10	28.18	6.78	4.70
CG 4020 B2RF	1466	38.58	11.13	5.54	1.17	84.83	29.15	6.45	4.65
ST 4357 B2RF	1462	38.95	11.03	5.55	1.18	84.35	29.03	6.48	4.70
DG 2100 B2RF	1454	38.90	11.43	5.23	1.11	84.43	29.28	6.65	4.83
ST 5599 BR--CK	1441	39.69	12.38	6.93	1.13	84.15	36.03	6.68	5.30
DP 454 BG/RR	1417	41.71	10.68	5.60	1.10	83.73	33.40	6.23	4.75
DP 143 B2RF	1409	37.85	11.13	5.25	1.23	84.33	31.28	6.05	4.60
PHY 485 WRF	1402	39.30	10.43	5.09	1.15	84.38	34.33	7.28	5.05
ST 6351 B2RF	1399	36.19	12.00	6.14	1.21	84.23	30.88	6.50	4.88
CG 3520 B2RF	1382	38.42	10.70	5.02	1.16	84.70	28.05	6.58	4.70
PHY 480 WR	1356	38.12	11.00	5.27	1.16	85.25	34.90	7.38	5.25
FM 1735 LLB2	1354	38.21	11.70	5.29	1.14	84.45	35.98	6.15	5.00
PHY 310 R	1345	40.82	11.48	5.89	1.14	84.30	33.75	6.90	5.25
DG CT07343 RF	1315	42.19	11.38	6.19	1.16	84.93	32.13	7.18	5.15
DP 515 BG/RR	1313	41.56	10.20	5.43	1.13	83.08	32.93	6.38	5.53
DP 455 BG/RR	1299	40.36	10.55	5.45	1.15	83.70	35.25	6.15	4.48
DP 434 RR	1292	40.23	10.83	5.68	1.20	84.95	32.63	6.58	4.75
ST 4664 RF	1281	40.37	10.78	5.65	1.12	84.68	32.68	7.48	5.30
FM 9063 B2F	1269	36.40	12.73	6.88	1.20	84.65	36.13	6.40	4.80
FM 955 LLB2	1253	34.04	12.93	6.62	1.21	84.83	32.83	6.53	5.00
DP 393	1252	40.23	11.48	5.49	1.17	85.43	34.50	7.25	5.05
DP 147 RF	1246	38.38	11.08	6.11	1.22	84.25	34.35	6.20	4.60
MISCOT 8913-2	1214	38.57	12.23	5.49	1.14	84.48	33.55	6.68	5.20
DP 121 RF	1201	41.05	10.40	5.52	1.15	84.73	33.38	7.08	5.23
DP 555 BG/RR--CK	1152	42.01	9.70	5.25	1.12	82.90	33.05	6.15	5.00
MISCOT 0141-15ne	1138	37.59	12.50	6.59	1.12	84.05	37.45	6.93	5.63
FM 1600 LL	1089	37.69	12.25	6.17	1.19	85.00	36.65	6.08	4.83
MISCOT 8824-8	1085	39.29	12.00	5.53	1.14	84.35	35.08	7.15	5.40
PHY 425 RF	1075	38.84	11.28	4.77	1.16	85.23	34.95	7.40	5.38
FM 9060 F	1068	38.52	12.35	6.40	1.23	85.03	32.35	5.83	4.45
FM 9068 F	1064	38.04	12.50	6.47	1.21	85.40	34.93	6.53	4.63
MEAN	1375	39.25	11.36	5.70	1.15	84.52	32.98	6.73	4.97
LSD (.10)	155	1.21	0.64	0.76	0.02	0.77	1.64	0.25	0.24
CV (%)	9.63	2.63	4.83	10.48	1.55	0.78	4.24	3.23	4.07
R-square	0.69	0.78	0.73	0.51	0.84	0.48	0.81	0.86	0.75
REPS	4	4	4	4	4	4	4	4	4

Planted on 5/8/2007, Harvested on 10/29/2007.

All values represent least squares means.

Table 54. Senatobia, MS location of the Hill Region Mid Maturity Test in the 2007 Mississippi State University Cotton Variety Trial grown on a Memphis Silty Loam.

Variety	Lint Yield lb/a	Lint Percent %	Seed Index g	Boll Size g	Length inch	Uniformity			
						Index %	Strength g/tex	Elongation %	Micronaire mic
ST 5458 B2RF	1741	40.47	11.45	6.46	1.14	83.83	31.90	6.38	5.25
PHY 370 WR--CK	1667	41.26	11.58	6.12	1.13	84.55	32.50	6.60	5.13
DP 445 BG/RR	1607	41.84	10.95	6.16	1.16	85.10	32.63	6.63	4.90
ST 5599 BR--CK	1536	40.71	12.13	6.87	1.14	84.28	33.60	6.40	5.10
DP 454 BG/RR	1528	43.17	10.43	5.64	1.09	84.13	30.30	5.90	4.78
DP 143 B2RF	1498	38.29	11.10	5.75	1.21	83.65	29.05	5.98	4.53
DP 444 BG/RR--CK	1496	40.90	10.80	5.75	1.13	84.93	29.65	6.23	4.35
ST 5327 B2RF	1453	40.92	10.58	5.44	1.13	84.28	31.95	6.50	5.03
DP 164 B2RF	1439	38.30	11.28	5.81	1.21	84.63	31.03	6.23	4.98
DP 515 BG/RR	1420	41.73	10.23	5.22	1.13	83.85	30.58	6.30	5.10
DP 455 BG/RR	1393	41.94	10.05	5.44	1.16	83.65	31.98	5.80	4.33
FM 1880 B2F	1270	37.83	12.28	5.87	1.19	84.55	31.95	6.28	4.80
ST 5283 RF	1264	41.41	10.38	5.54	1.13	84.58	31.10	6.38	5.00
DP 555 BG/RR--CK	1218	42.65	9.00	5.39	1.12	82.80	31.85	6.03	5.05
DP 147 RF	1119	39.23	11.30	5.92	1.23	85.08	32.53	6.15	4.43
DP 167 RF	1059	39.51	10.63	5.66	1.22	85.25	32.03	6.30	4.88
MEAN	1416	40.63	10.88	5.82	1.16	84.32	31.54	6.25	4.85
LSD (.10)	141	1.34	0.78	0.28	0.02	0.70	1.80	0.23	0.22
CV (%)	8.23	2.78	6.04	4.10	1.68	0.69	4.80	3.05	3.86
R-square	0.79	0.73	0.68	0.82	0.86	0.65	0.58	0.73	0.79
REPS	4	4	4	4	4	4	4	4	4

Planted on 5/8/2007 , Harvested on 10/29/2007.

All values represent least squares means.

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