



# Mississippi COTTON

## VARIETY TRIALS, 2006



**Experiment Station**  
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Mississippi Agricultural & Forestry Experiment Station

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## **NOTICE TO USER**

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## **2006 Mississippi Cotton Variety Trials**

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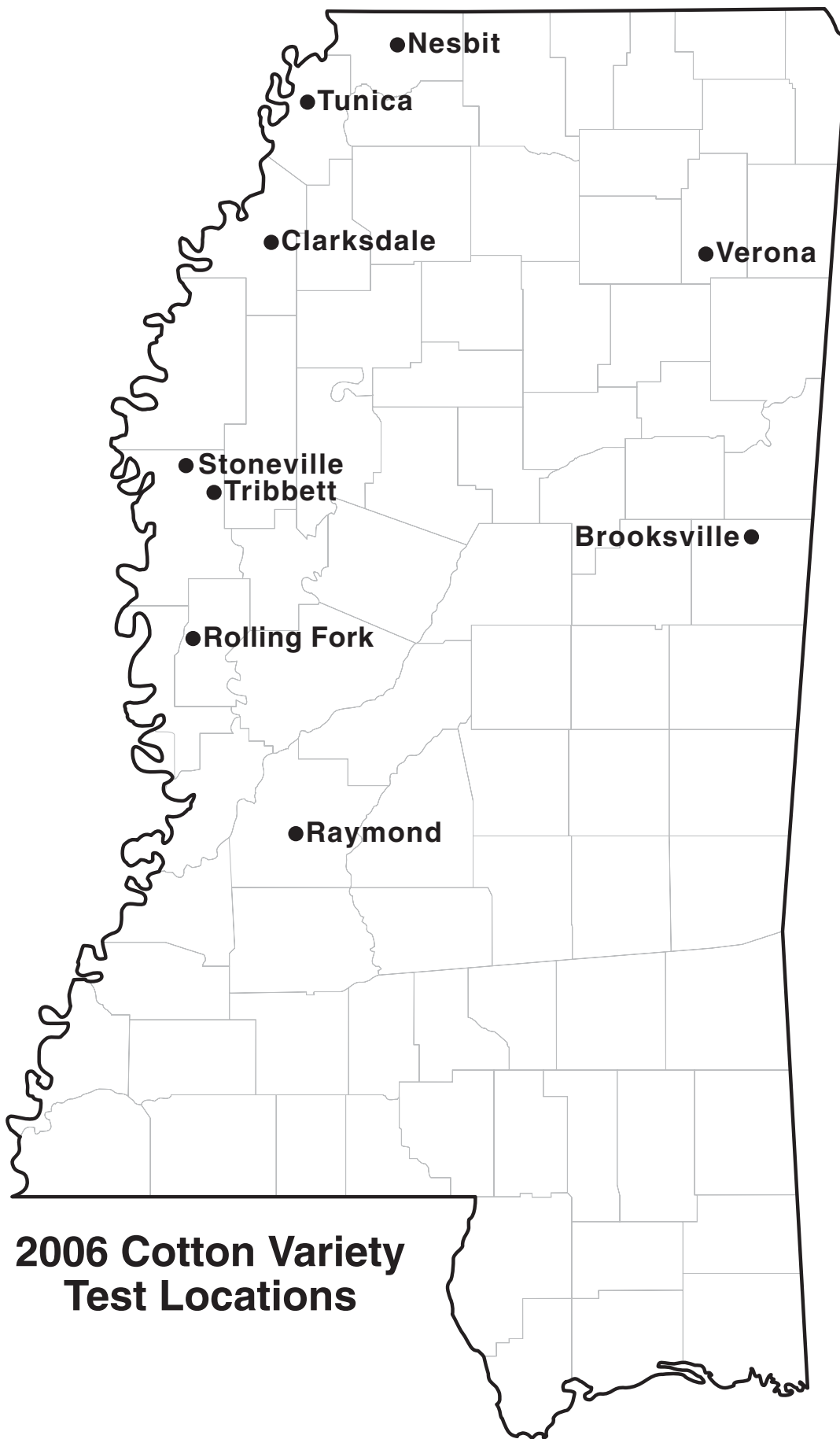
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### **ACKNOWLEDGMENT:**

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 Dr. Don Parker 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, Dr. Pat Gerard 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              John Henry Miller, Nesbit



# Contents

Introduction	
List of Tables	
Summary of Yields and Fiber Qualities	
Early Maturity	
Delta Region .....	6
Hill Region.....	9
Mid Maturity	
Delta Region .....	12
Hill Region.....	15
New Entry .....	18
2-Year Summary of Yields and Fiber Qualities	
Early Maturity	
Delta Region .....	21
Hill Region.....	21
Mid Maturity	
Delta Region .....	22
Hill Region.....	22
3-Year Summary of Yields and Fiber Qualities	
Early Maturity	
Delta Region .....	23
Hill Region.....	23
Mid Maturity	
Delta Region .....	24
Hill Region.....	24
Results	
Location 1. Delta Region, Stoneville – Rainfall and Agronomics .....	25
Early Maturity .....	26
Mid Maturity.....	27
New Entry .....	28
Location 2. Delta Region, Clarksdale – Rainfall and Agronomics.....	29
Early Maturity .....	30
Mid Maturity.....	31
Location 3. Delta Region, Rolling Fork – Rainfall and Agronomics .....	32
Early Maturity .....	33
Mid Maturity.....	34
Location 4. Delta Region, Tribbett – Rainfall and Agronomics.....	35
Early Maturity .....	36
Mid Maturity.....	37
New Entry .....	38
Location 5. Delta Region, Tunica – Rainfall and Agronomics.....	39
Early Maturity .....	40
Mid Maturity.....	41
Location 6. Hill Region, Brooksville – Rainfall and Agronomics .....	42
Early Maturity.....	43

Mid Maturity .....	44
New Entry .....	45
Location 7. Hill Region, Verona – Rainfall and Agronomics .....	46
Early Maturity .....	47
Mid Maturity .....	48
New Entry .....	49
Location 8. Hill Region, Raymond – Rainfall and Agronomics.....	50
Early Maturity .....	51
Mid Maturity .....	52
Location 9. Hill Region, Nesbit – Rainfall and Agronomics.....	53
Early Maturity .....	54
Mid Maturity .....	55

## 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 based on maturity as determined by the company submitting each variety. The Early-Maturity Cotton Variety Test was comprised of 38 varieties and the Mid-Maturity Cotton Variety Test was comprised of 23 varieties. The New Entry Test was comprised of 23 varieties. Deltapine 555 BG/RR, Deltapine 444 BG/RR, FiberMax 960 BR 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 and four Hill locations: Stoneville, Clarksdale, Rolling Fork, Tribbett, Tunica, Brooksville, Nesbit, Raymond, and Verona. The New Entry Test was conducted at two Delta and two Hill locations: Stoneville, Tribbett, Brooksville, and Verona. The New Entry Test provides for the evaluation of varieties not previously tested in the Mississippi Variety Trial but are scheduled for commercial release within one year.

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. Yield determinations were based on the weight of seed cotton mechanically harvested from two-row plots. 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.

At the bottom of each table are summary of statistics, which are very important in interpreting the test results. Despite efforts to provide a uniform test environment, all

experiments are subject to a certain degree of error due to variation between plots arising from differences in soil type, fertility, insect damage, weed pressure, etc. Therefore, yield potential (and performance with respect to other characteristics) cannot be measured with complete accuracy. By conducting replicated trials we can account for or remove some, but not all of the effect of non-uniform conditions among plots. As a result, the mean performance of some varieties may be numerically different, 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.

### Results and Conclusions

The 2006 growing season was abnormally hot and dry. Even though the Stoneville and Tribbett locations were irrigated, these locations still experienced severe water stress. Plant bugs and spider mites were also problems at several locations and most likely had an impact on yield. In any single year or location, 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. In order to avoid being misled by performance in a single year and location, it is wise to base variety selection decisions on as many environments as possible. While it is hoped that newer varieties will perform better than older varieties, this is not always the case. Greater confidence can be put in varieties that have performed well over two or more years than can be put in varieties that are in their first year of testing. Producers should consider these new varieties/technologies as not being thoroughly evaluated until multiple year, multiple locations results are available.



## Entry Designation Abbreviations and Affiliated Companies

Abbreviation	Company
DG	United Agri. Pro (UAP)
FM	Bayer CropScience
Tamcot	Texas A&M University
DP	Delta and Pine Land
CG	Cropland Genetics
DX	Syngenta Seeds Inc.
BCG	Beltwide Cotton Genetics
ST	Emergent Genetics (Monsanto)
VIGORO	Vigoro Seeds (Royster-Clark)
CS	Cotton States
CPSCD	California Planting Seed Cotton Distributors
PHY	Phytogen (Dow AgroSciences)
MISCOT	Miss. State Univ. Cotton

<b>List of Tables for Results of the 2006 Mississippi State University Cotton Variety Trials</b>	
<b>Table 1</b>	Averages for lint yield and fiber quality traits over locations in the Delta Region Early Maturity Test in the 2006 Mississippi State University Cotton Variety Trials
<b>Table 2</b>	2006 Mississippi State University Delta Region Early Maturity Cotton Variety Trial - Yield, Loan Value, and Per Acre Returns
<b>Table 3</b>	Average lint yield for each location in the Delta Region Early Maturity Test in the 2006 Mississippi State University Cotton Variety Trials
<b>Table 4</b>	Averages for lint yield and fiber quality traits over locations in the Hill Region Early Maturity Test in the 2006 Mississippi State University Cotton Variety Trials
<b>Table 5</b>	2006 Mississippi State University Hill Early Region Maturity Cotton Variety Trial - Yield, Loan Value, and Per Acre Returns
<b>Table 6</b>	Average lint yield for each location in the Hill Region Early Maturity Test in the 2006 Mississippi State University Cotton Variety Trials
<b>Table 7</b>	Averages for lint yield and fiber quality traits over locations in the Delta Region Mid Maturity Test in the 2006 Mississippi State University Cotton Variety Trials
<b>Table 8</b>	2006 Mississippi State University Delta Region Mid Maturity Cotton Variety Trial - Yield, Loan Value, and Per Acre Returns
<b>Table 9</b>	Average lint yield for each location in the Delta Region Mid Maturity Test in the 2006 Mississippi State University Cotton Variety Trials
<b>Table 10</b>	Averages for lint yield and fiber quality traits over locations in the Hill Region Mid Maturity Test in the 2006 Mississippi State University Cotton Variety Trials
<b>Table 11</b>	2006 Mississippi State University Hill Region Mid Maturity Cotton Variety Trial - Yield, Loan Value, and Per Acre Returns
<b>Table 12</b>	Average lint yield for each location in the Hill Region Mid Maturity Test in the 2006 Mississippi State University Cotton Variety Trials
<b>Table 13</b>	Averages for lint yield and fiber quality traits over locations in Delta and Hill Regions New Entry Test in the 2006 Mississippi State University Cotton Variety Trials
<b>Table 14</b>	2006 Mississippi State University Delta & Hill Regions New Entry Cotton Variety Trial - Yield, Loan Value, and Per Acre Returns
<b>Table 15</b>	Average lint yield for each location in the Hill and Delta Regions New Entry Test in the 2006 Mississippi State University Cotton Variety Trials
<b>Table 16</b>	Averages for lint yield and fiber quality traits over two years (2005-2006) in the Delta Region Early Maturity Mississippi State University Cotton Variety Trials
<b>Table 17</b>	Averages for lint yield and fiber quality traits over two years (2005-2006) in the Hill Region Early Maturity Mississippi State University Cotton Variety Trials
<b>Table 18</b>	Averages for lint yield and fiber quality traits over two years (2005-2006) in the Delta Region Mid Maturity Mississippi State University Cotton Variety Trials
<b>Table 19</b>	Averages for lint yield and fiber quality traits over two years (2005-2006) in the Hill Region Mid Maturity Mississippi State University Cotton Variety Trials
<b>Table 20</b>	Averages for lint yield and fiber quality traits over three years (2004-2006) in the Delta Region Early Maturity Mississippi State University Cotton Variety Trials
<b>Table 21</b>	Averages for lint yield and fiber quality traits over three years (2004-2006) in the Hill Region Early Maturity Mississippi State University Cotton Variety Trials
<b>Table 22</b>	Averages for lint yield and fiber quality traits over three years (2004-2006) in the Delta Region Mid Maturity Mississippi State University Cotton Variety Trials
<b>Table 23</b>	Averages for lint yield and fiber quality traits over three years (2004-2006) in the Hill Region Mid Maturity Mississippi State University Cotton Variety Trials
<b>Table 24</b>	Rainfall and Agronomics Information for Stoneville, Delta Region
<b>Table 25</b>	Stoneville, MS location of the Delta Region Early Maturity Test in the 2006 Mississippi State University Cotton Variety Trial grown on a Bosket Very Fine Sandy Loam Soil
<b>Table 26</b>	Stoneville, MS location of the Delta Region Mid Maturity Test in the 2006 Mississippi State University Cotton Variety Trial grown on a Bosket Very Fine Sandy Loam Soil

<b>Table 27</b>	Stoneville, MS location of the Delta Region New Entry Test in the 2006 Mississippi State University Cotton Variety Trial grown on a Bosket Very Fine Sandy Loam Soil
<b>Table 28</b>	Rainfall and Agronomics Information for Clarksdale, Delta Region
<b>Table 29</b>	Clarksdale, MS location of the Delta Region Early Maturity Test in the 2006 Mississippi State University Cotton Variety Trial grown on a Dubbs Soil
<b>Table 30</b>	Clarksdale, MS location of the Delta Region Mid Maturity Test in the 2006 Mississippi State University Cotton Variety Trial grown on a Dubbs Soil
<b>Table 31</b>	Rainfall and Agronomics Information for Rolling Fork, Delta Region
<b>Table 32</b>	Rolling Fork, MS location of the Delta Region Early Maturity Test in the 2006 Mississippi State University Cotton Variety Trial grown on a Commerce Very Fine Sandy Loam Soil
<b>Table 33</b>	Rolling Fork, MS location of the Delta Region Mid Maturity Test in the 2006 Mississippi State University Cotton Variety Trial grown on a Commerce Very Fine Sandy Loam Soil
<b>Table 34</b>	Rainfall and Agronomics Information for Tribbett, Delta Region
<b>Table 35</b>	Tribbett, MS location of the Delta Region Early Maturity Test in the 2006 Mississippi State University Cotton Variety Trial grown on a Forestdale-like Silty Clay Loam Soil
<b>Table 36</b>	Tribbett, MS location of the Delta Region Mid Maturity Test in the 2006 Mississippi State University Cotton Variety Trial grown on a Forestdale-like Silty Clay Loam Soil
<b>Table 37</b>	Tribbett, MS location of the Delta Region New Entry Test in the 2006 Mississippi State University Cotton Variety Trial grown on a Forestdale-like Silty Clay Loam Soil
<b>Table 38</b>	Rainfall and Agronomics Information for Tunica, Delta Region
<b>Table 39</b>	Tunica, MS location of the Delta Region Early Maturity Test in the 2006 Mississippi State University Cotton Variety Trial grown on Sharkey-Alligator Clay
<b>Table 40</b>	Tunica, MS location of the Delta Region Mid Maturity Test in the 2006 Mississippi State University Cotton Variety Trial grown on Sharkey-Alligator Clay
<b>Table 41</b>	Rainfall and Agronomics Information for Brooksville, Hill Region
<b>Table 42</b>	Brooksville, MS location of the Hill Region Early Maturity Test in the 2006 Mississippi State University Cotton Variety Trial grown on a Silty Clay Soil
<b>Table 43</b>	Brooksville, MS location of the Hill Region Mid Maturity Test in the 2006 Mississippi State University Cotton Variety Trial grown on a Silty Clay Soil
<b>Table 44</b>	Brooksville, MS location of the Hill Region New Entry Test in the 2006 Mississippi State University Cotton Variety Trial grown on a Silty Clay Soil
<b>Table 45</b>	Rainfall and Agronomics Information for Verona, Hill Region
<b>Table 46</b>	Verona , MS location of the Hill Region Early Maturity Test in the 2006 Mississippi State University Cotton Variety Trial grown on a Leeper Fine Sandy Loam Soil
<b>Table 47</b>	Verona , MS location of the Hill Region Mid Maturity Test in the 2006 Mississippi State University Cotton Variety Trial grown on a Leeper Fine Sandy Loam Soil
<b>Table 48</b>	Verona, MS location of the Hill Region New Entry Test in the 2006 Mississippi State University Cotton Variety Trial grown on a Leeper Fine Sandy Loam Soil
<b>Table 49</b>	Rainfall and Agronomics Information for Raymond, Hill Region
<b>Table 50</b>	Raymond, MS location of the Hill Region Early Maturity Test in the 2006 Mississippi State University Cotton Variety Trial grown on a Loring Silt Loam Soil
<b>Table 51</b>	Raymond, MS location of the Hill Region Mid Maturity Test in the 2006 Mississippi State University Cotton Variety Trial grown on a Loring Silt Loam Soil
<b>Table 52</b>	Rainfall and Agronomics Information for Nesbit, Hill Region
<b>Table 53</b>	Nesbit , MS location of the Hill Region Early Maturity Test in the 2006 Mississippi State University Cotton Variety Trial grown on a Collins Silt Loam Soil
<b>Table 54</b>	Nesbit , MS location of the Hill Region Mid Maturity Test in the 2006 Mississippi State University Cotton Variety Trial grown on a Collins Silt Loam Soil

Table 1. Averages<sup>†</sup> for lint yield and fiber quality traits over locations in the Delta Region Early Maturity Test in the 2006 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 454 BG/RR	1156	42.78	8.42	4.96	1.02	82.10	26.78	7.11	4.65
ST 4664 RF	1148	40.74	8.82	4.96	1.06	82.67	28.83	8.56	4.83
DP 434 RR	1143	42.73	8.85	5.02	1.10	82.99	26.14	7.54	4.66
PHY 485 WRF	1129	40.39	8.60	4.62	1.07	83.21	28.28	8.35	4.82
ST 5599 BR	1115	40.11	10.29	5.67	1.08	82.17	28.44	7.40	5.07
PHY 310 R	1113	42.72	8.84	5.10	1.01	82.08	28.65	7.84	4.95
DP 393	1104	41.08	9.13	5.01	1.09	83.40	29.70	8.51	4.99
DP 432 RR	1095	41.19	8.70	4.85	1.05	83.01	29.04	8.27	5.13
PHY 425 WRF	1084	40.67	8.98	4.93	1.08	83.19	28.99	8.46	5.06
ST 4427 B2RF	1074	39.98	9.04	4.88	1.07	82.83	28.86	7.53	4.78
DP 110 RF	1068	40.08	9.12	5.08	1.08	83.16	31.93	8.43	4.92
DP 445 BG/RR	1065	40.67	9.06	5.13	1.08	83.56	29.52	8.34	4.64
DP 555 BG/RR	1054	43.23	7.86	4.72	1.07	81.66	26.84	6.72	4.99
DP 147 RF	1048	39.95	9.20	5.36	1.14	82.71	27.74	7.09	4.55
ST 4575 BR	1047	40.01	9.27	5.17	1.05	82.94	29.43	8.74	4.83
PHY 470 WR	1033	39.78	9.44	4.66	1.06	83.32	28.92	8.51	4.79
PHY 370 WR	1033	41.83	9.15	4.93	1.04	82.71	28.88	7.90	4.87
PHY 480 WR	1031	39.26	9.12	4.78	1.09	83.50	29.13	8.49	4.78
ST 4357 B2RF	1019	39.46	9.34	4.83	1.09	82.82	25.51	7.38	4.42
DP 117 B2RF	1018	40.49	9.24	5.29	1.06	82.49	29.39	7.70	4.89
ST 4554 B2RF	1012	39.54	9.23	5.02	1.07	82.58	29.41	8.58	4.82
ST 5242 BR	1012	41.08	10.57	5.61	1.05	82.68	26.64	7.37	4.75
DP 444 BG/RR	994	40.43	9.43	4.84	1.08	83.23	27.43	7.44	4.36
DP 455 BG/RR	975	41.96	8.52	4.74	1.08	81.77	28.89	7.14	4.55
DP 143 B2RF	973	39.18	9.26	5.15	1.16	82.23	26.23	7.01	4.55
FM 960 BR	958	39.60	10.65	5.61	1.07	82.99	32.46	7.37	4.89
ST 4700 B2RF	955	39.03	8.75	4.39	1.06	82.50	24.78	7.59	4.54
CG 3520 B2RF	951	38.63	8.72	4.68	1.07	82.67	25.22	7.48	4.47
DG 2100 B2RF	949	37.83	9.31	4.66	1.04	82.85	26.31	7.61	4.24
CG 4020 B2RF	947	39.54	9.37	4.87	1.09	82.73	25.67	7.31	4.51
CG 3020 B2RF	943	37.82	9.48	4.84	1.05	82.90	26.27	7.62	4.26
BW-4630 B2F	942	39.71	9.32	4.71	1.08	82.46	25.98	7.50	4.46
DG 2242 B2RF	939	38.69	8.75	4.55	1.06	82.27	25.21	7.61	4.48
BW-2038 B2F	918	38.82	8.64	4.42	1.07	82.36	25.30	7.58	4.53
BW-3255 B2F	917	37.96	9.19	4.99	1.05	82.69	25.99	7.48	4.35
DG 2215 B2RF	902	37.59	9.20	4.75	1.06	82.68	25.93	7.48	4.24
FM 960 B2R	901	39.13	10.95	5.49	1.11	82.67	31.08	7.07	4.84
BW-4021 B2F	869	37.55	9.06	4.72	1.07	82.35	26.06	7.44	4.23
MEAN	1018	40.03	9.18	4.95	1.07	82.71	27.80	7.72	4.67
LSD (.10)	79	0.52	0.22	0.21	0.01	0.36	0.54	0.15	0.12
CV (%)	14.92	5.51	4.70	7.99	2.34	0.84	3.75	3.62	5.02
R-square	0.88	0.83	0.85	0.69	0.84	0.64	0.86	0.86	0.74
REPS	20	20	20	20	20	20	20	20	20

<sup>†</sup>Least square means.

Table 2. 2006 Mississippi State University Delta Region Early Maturity Cotton Variety Trial - Yield, Loan Value, and Per Acre Returns.

Variety			Estimated	Loan Price <sup>†</sup>	Lint Value	Seed Value <sup>††</sup>	Gross Return
	Lint Yield	Lint Percent	Seed Yield				
	lb/a	%	lb/a	cents/lb	\$/a	\$/a	\$/a
DP 434 RR	1143	42.73	1715	54.55	624	69	693
ST 4664 RF	1148	40.74	1722	53.15	610	69	679
DP 393	1104	41.08	1655	54.80	605	66	671
PHY 485 WRF	1129	40.39	1693	53.15	600	68	668
DP 445 BG/RR	1065	40.67	1598	54.90	585	64	649
DP 454 BG/RR	1156	42.78	1734	49.55	573	69	642
DP 147 RF	1048	39.95	1572	55.10	577	63	640
DP 110 RF	1068	40.08	1601	53.60	572	64	636
ST 4427 B2RF	1074	39.98	1611	53.15	571	64	635
PHY 425 RF	1084	40.67	1626	51.80	562	65	627
ST 5599 BR	1115	40.11	1672	50.15	559	67	626
PHY 480 WR	1031	39.26	1546	54.65	563	62	625
DP 555 BG/RR	1054	43.23	1582	52.90	558	63	621
ST 4575 BR	1047	40.01	1571	53.15	557	63	620
PHY 310 R	1113	42.72	1669	49.55	551	67	618
DP 432 RR	1095	41.19	1643	50.40	552	66	618
ST 4357 B2RF	1019	39.46	1528	54.55	556	61	617
PHY 470 WR	1033	39.78	1549	53.15	549	62	611
DP 117 B2RF	1018	40.49	1526	52.90	538	61	599
ST 4554 B2RF	1012	39.54	1518	53.15	538	61	599
ST 5242 BR	1012	41.08	1518	53.15	538	61	599
DP 143 B2RF	973	39.18	1459	54.90	534	58	592
PHY 370 WR	1033	41.83	1549	51.05	527	62	589
DP 444 BG/RR	994	40.43	1490	53.15	528	60	588
DP 455 BG/RR	975	41.96	1463	52.90	516	59	575
CG 4020 B2RF	947	39.54	1421	54.55	517	57	574
FM 960 BR	958	39.60	1437	53.60	513	57	570
CG 3020 B2RF	943	37.82	1415	53.35	503	57	560
BW-4630 B2F	942	39.71	1413	52.90	498	57	555
ST 4700 B2RF	955	39.03	1432	52.00	497	57	554
CG 3520 B2RF	951	38.63	1427	52.00	495	57	552
FM 960 B2R	901	39.13	1351	55.00	495	54	549
DG 2100 B2RF	949	37.83	1423	51.25	486	57	543
DG 2242 B2RF	939	38.69	1408	51.75	486	56	542
BW-3255 B2F	917	37.96	1376	53.15	487	55	542
DG 2215 B2RF	902	37.59	1353	53.35	481	54	535
BW-2038 B2F	918	38.82	1377	51.75	475	55	530
BW-4021 B2F	869	37.55	1303	53.10	461	52	513

<sup>†</sup> A color and leaf grade of 41-2 was assumed for all calculations.

<sup>††</sup> Estimates based upon a seed value of \$80 per ton.

<sup>†</sup> **Loan Price** was determined by entering OVT fiber data into the **Cotton Loan 2006 Calculator**. The Loan Calculator was developed through funding from Cotton Incorporated by Dr. Larry Falconer, Texas A&M Corpus Christi. The values are based on **USDA** premium and discount schedules for cotton entering the **Commodity Credit Corporation (CCC)** loan program (US National Loan Rate is \$0.52 per lb of lint for standard fiber characteristics). The information presented presumes a **standard leaf and color grade** since this information is needed to calculate the values and is not available from OVT data. **Color and leaf grade different than standard grades might affect the results.** Value per Acre is simply the Loan Price multiplied by the lint yield per acre.

Table 3. Average<sup>†</sup> lint yield for each location in the Delta Region Early Maturity Test in the 2006 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 454 BG/RR	770	1564	969	724	1755	1156
ST 4664 RF	924	1464	876	740	1738	1148
DP 434 RR	1019	1334	913	921	1530	1143
PHY 485 WRF	849	1389	989	693	1722	1129
ST 5599 BR	828	1531	718	701	1795	1115
PHY 310 R	867	1548	858	594	1696	1113
DP 393	801	1312	949	868	1588	1104
DP 432 RR	744	1280	946	681	1827	1095
PHY 425 WRF	891	1301	763	816	1650	1084
ST 4427 B2RF	807	1217	995	801	1550	1074
DP 110 RF	906	1139	940	738	1615	1068
DP 445 BG/RR	791	1211	999	637	1689	1065
DP 555 BG/RR	916	1118	1109	446	1684	1054
DP 147 RF	733	1002	1072	761	1672	1048
ST 4575 BR	681	1311	897	586	1762	1047
PHY 470 WR	795	1148	942	607	1671	1033
PHY 370 WR	765	1215	971	614	1598	1033
PHY 480 WR	787	1110	1005	514	1737	1031
ST 4357 B2RF	801	1013	887	784	1609	1019
DP 117 B2RF	958	970	823	719	1618	1018
ST 4554 B2RF	732	1197	831	663	1639	1012
ST 5242 BR	675	1292	769	701	1624	1012
DP 444 BG/RR	804	1325	776	650	1413	994
DP 455 BG/RR	536	1245	795	589	1711	975
DP 143 B2RF	705	1236	808	578	1539	973
FM 960 BR	649	1085	747	698	1609	958
ST 4700 B2RF	639	1124	717	692	1602	955
CG 3520 B2RF	682	1074	768	670	1561	951
DG 2100 B2RF	678	1041	876	695	1452	949
CG 4020 B2RF	649	984	828	744	1532	947
CG 3020 B2RF	799	920	917	770	1309	943
BW-4630 B2F	728	1080	786	693	1425	942
DG 2242 B2RF	751	1107	678	766	1392	939
BW-2038 B2F	738	980	735	764	1373	918
BW-3255 B2F	680	1016	956	689	1243	917
DG 2215 B2RF	671	871	808	630	1530	902
FM 960 B2R	560	1062	855	644	1382	901
BW-4021 B2F	560	1023	785	693	1284	869
MEAN	761	1180	870	692	1582	1018
LSD (.10)	135	200	178	127	230	79
CV (%)	15.06	14.51	17.24	15.61	12.41	14.92
R-square	0.58	0.59	0.46	0.50	0.44	0.88
REPS	4	4	4	4	4	20

<sup>†</sup>Least square means.

Table 4. Averages<sup>†</sup> for lint yield and fiber quality traits over locations in the Hill Region Early Maturity Test in the 2006 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	1383	44.32	9.18	4.69	1.05	83.02	30.23	8.07	4.92
DP 555 BG/RR	1378	45.21	8.03	4.56	1.07	81.90	27.24	6.76	5.04
DP 147 RF	1355	42.22	9.13	4.99	1.16	82.89	28.53	7.10	4.65
DP 393	1342	43.20	9.37	4.73	1.12	84.19	30.83	8.73	5.08
ST 5242 BR	1336	43.06	10.37	5.51	1.08	83.23	26.89	7.46	4.87
ST 5599 BR	1329	42.52	9.92	5.45	1.08	82.50	29.69	7.51	5.03
PHY 425 WRF	1328	42.05	9.08	4.62	1.08	83.73	30.43	8.68	5.10
PHY 470 WR	1326	42.29	9.47	4.30	1.09	84.14	29.67	8.67	4.86
PHY 370 WR	1324	43.70	9.39	4.85	1.06	82.87	30.19	8.08	4.95
PHY 480 WR	1319	41.36	9.03	4.18	1.10	84.06	29.75	8.41	4.83
DP 454 BG/RR	1317	45.19	8.41	4.28	1.05	82.72	27.38	7.03	4.31
ST 4664 RF	1312	42.80	8.73	4.57	1.07	83.08	29.96	8.57	4.82
ST 4427 B2RF	1301	42.22	8.87	4.27	1.09	82.95	29.00	7.44	4.76
PHY 485 WRF	1300	42.96	8.53	4.10	1.08	83.55	30.01	8.56	4.96
DP 445 BG/RR	1273	43.09	9.09	4.67	1.10	83.55	30.12	8.35	4.66
ST 4575 BR	1264	42.52	8.93	4.67	1.08	83.28	30.22	8.79	4.78
DP 143 B2RF	1236	40.97	8.99	4.77	1.16	82.46	27.18	7.14	4.36
DP 432 RR	1223	42.67	8.86	4.31	1.07	83.29	29.80	8.27	5.03
DP 110 RF	1219	41.72	9.18	4.79	1.08	83.23	33.15	8.63	4.98
DP 455 BG/RR	1213	43.91	8.50	4.34	1.10	82.52	29.57	7.18	4.48
DP 444 BG/RR	1193	43.16	9.18	4.55	1.09	83.43	28.21	7.54	4.37
ST 4554 B2RF	1160	41.89	8.79	4.44	1.08	83.00	29.84	8.68	4.80
DP 434 RR	1159	44.39	8.91	4.84	1.13	83.23	26.91	7.62	4.69
FM 960 BR	1157	41.32	9.93	4.97	1.08	82.99	33.67	7.53	4.65
ST 4357 B2RF	1116	41.53	9.02	4.38	1.10	82.83	26.69	7.48	4.57
BW-2038 B2F	1103	40.44	8.89	3.87	1.11	83.13	25.69	7.61	4.35
DP 117 B2RF	1095	42.14	9.31	4.69	1.09	82.94	31.18	7.79	4.73
DG 2215 B2RF	1094	39.53	9.11	4.57	1.10	83.40	26.69	7.54	4.19
CG 4020 B2RF	1083	41.50	8.83	4.35	1.11	83.24	26.31	7.40	4.43
ST 4700 B2RF	1066	40.53	8.97	4.07	1.10	82.88	26.10	7.66	4.44
FM 960 B2R	1065	41.36	9.98	5.03	1.12	82.83	30.92	7.10	4.58
DG 2100 B2RF	1065	40.73	9.04	4.43	1.08	83.48	26.96	7.73	4.36
CG 3020 B2RF	1063	41.20	9.27	4.39	1.08	83.21	26.64	7.68	4.38
CG 3520 B2RF	1062	40.67	8.82	4.09	1.11	83.09	25.63	7.46	4.29
BW-4630 B2F	1033	42.06	9.09	4.36	1.11	83.03	26.05	7.31	4.46
DG 2242 B2RF	1018	40.67	8.62	4.06	1.10	83.11	26.12	7.67	4.42
BW-3255 B2F	972	41.37	9.00	4.53	1.09	83.23	26.88	7.72	4.43
BW-4021 B2F	972	39.74	8.96	4.36	1.10	83.27	26.51	7.57	4.20
MEAN	1199	42.16	9.07	4.55	1.09	83.14	28.60	7.80	4.65
LSD (.10)	82	0.53	0.32	0.22	0.01	0.40	0.67	0.16	0.14
CV (%)	11.67	2.18	6.09	8.24	1.88	0.83	4.04	3.54	5.29
R-square	0.85	0.81	0.58	0.67	0.73	0.50	0.83	0.87	0.69
REPS	16	16	16	16	16	16	16	16	16

<sup>†</sup>Least square means.

Table 5. 2006 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 <sup>†</sup> cents/lb	Lint Value \$/a	Seed Value <sup>††</sup> \$/a	Gross Return \$/a
			Seed Yield lb/a				
DP 147 RF	1355	42.22	2032	55.15	747	81	828
PHY 310 R	1383	44.32	2074	53.40	738	83	821
PHY 470 WR	1326	42.29	1989	54.90	728	80	808
PHY 480 WR	1319	41.36	1978	54.90	724	79	803
PHY 485 WRF	1300	42.96	1951	54.90	714	78	792
DP 393	1342	43.20	2013	52.90	710	81	791
ST 5242 BR	1336	43.06	2004	53.15	710	80	790
ST 4427 B2RF	1301	42.22	1951	54.55	710	78	788
PHY 370 WR	1324	43.70	1986	53.40	707	79	786
ST 4664 RF	1312	42.80	1968	53.40	701	79	780
DP 445 BG/RR	1273	43.09	1909	54.90	699	76	775
DP 555 BG/RR	1378	45.21	2067	50.15	691	83	774
PHY 425 RF	1328	42.05	1993	52.15	693	80	773
DP 143 B2RF	1236	40.97	1854	54.90	679	74	753
ST 5599 BR	1329	42.52	1993	50.65	673	80	753
DP 454 BG/RR	1317	45.19	1975	51.05	672	79	751
ST 4575 BR	1264	42.52	1896	53.40	675	76	751
DP 455 BG/RR	1213	43.91	1819	54.80	664	73	737
DP 110 RF	1219	41.72	1828	53.65	654	73	727
DP 444 BG/RR	1193	43.16	1790	54.55	651	72	723
DP 434 RR	1159	44.39	1739	55.10	639	70	709
ST 4554 B2RF	1160	41.89	1740	54.80	636	70	706
DP 432 RR	1223	42.67	1835	50.65	620	73	693
FM 960 BR	1157	41.32	1735	53.65	621	69	690
ST 4357 B2RF	1116	41.53	1673	54.55	609	67	676
BW-2038 B2F	1103	40.44	1655	54.55	602	66	668
DP 117 B2RF	1095	42.14	1643	55.00	602	66	668
DG 2215 B2RF	1094	39.53	1641	54.75	599	66	665
CG 4020 B2RF	1083	41.50	1624	55.10	597	65	662
FM 960 B2R	1065	41.36	1597	55.55	592	64	656
ST 4700 B2RF	1066	40.53	1599	54.55	582	64	646
CG 3520 B2RF	1062	40.67	1593	54.75	581	64	645
CG 3020 B2RF	1063	41.20	1595	54.55	580	64	644
BW-4630 B2F	1033	42.06	1549	55.10	569	62	631
DG 2100 B2RF	1065	40.73	1597	53.15	566	64	630
DG 2242 B2RF	1018	40.67	1528	54.55	556	61	617
BW-4021 B2F	972	39.74	1458	54.75	532	58	590
BW-3255 B2F	972	41.37	1458	54.55	530	58	588

<sup>†</sup> A color and leaf grade of 41-2 was assumed for all calculations.

<sup>††</sup> Estimates based upon a seed value of \$80 per ton.

<sup>†</sup> **Loan Price** was determined by entering OVT fiber data into the **Cotton Loan 2006 Calculator**. The Loan Calculator was developed through funding from Cotton Incorporated by Dr. Larry Falconer, Texas A&M Corpus Christi. The values are based on **USDA** premium and discount schedules for cotton entering the **Commodity Credit Corporation (CCC)** loan program (US National Loan Rate is \$0.52 per lb of lint for standard fiber characteristics). The information presented presumes a **standard leaf and color grade** since this information is needed to calculate the values and is not available from OVT data. **Color and leaf grade different than standard grades might affect the results.** Value per Acre is simply the Loan Price multiplied by the lint yield per acre.



Table 6. Average<sup>†</sup> lint yield for each location in the Hill Region Early Maturity Test in the 2006 Mississippi State University Cotton Variety Trials.

Variety	BROOKSVILLE	NESBIT	VERONA	RAYMOND	OVER LOCATIONS
	Lint Yield lb/a	Lint Yield lb/a	Lint Yield lb/a	Lint Yield lb/a	Lint Yield lb/a
PHY 310 R	1212	1169	1352	1799	1383
DP 555 BG/RR	1166	1148	1170	2028	1378
DP 147 RF	1121	993	1437	1866	1355
DP 393	1298	1006	1362	1702	1342
ST 5242 BR	1180	1022	1465	1677	1336
ST 5599 BR	1230	921	1287	1876	1329
PHY 425 WRF	1068	1014	1370	1862	1328
PHY 470 WR	1176	1022	1345	1760	1326
PHY 370 WR	1172	1086	1350	1688	1324
PHY 480 WR	1078	936	1541	1719	1319
DP 454 BG/RR	1113	1056	1302	1796	1317
ST 4664 RF	1181	1183	1253	1632	1312
ST 4427 B2RF	1064	1211	1202	1726	1301
PHY 485 WRF	1094	1007	1263	1838	1300
DP 445 BG/RR	1125	1071	1254	1641	1273
ST 4575 BR	1102	1138	1313	1502	1264
DP 143 B2RF	1023	1017	1180	1724	1236
DP 432 RR	1087	1000	1196	1611	1223
DP 110 RF	1035	769	1186	1886	1219
DP 455 BG/RR	1182	889	1171	1608	1213
DP 444 BG/RR	1032	1025	1158	1558	1193
ST 4554 B2RF	992	911	1168	1569	1160
DP 434 RR	1042	943	1037	1615	1159
FM 960 BR	1031	966	1126	1504	1157
ST 4357 B2RF	985	834	1054	1589	1116
BW-2038 B2F	1044	1101	1010	1259	1103
DP 117 B2RF	923	1078	1063	1316	1095
DG 2215 B2RF	1030	966	1045	1337	1094
CG 4020 B2RF	925	1018	907	1482	1083
ST 4700 B2RF	1039	914	1000	1312	1066
FM 960 B2R	855	830	971	1604	1065
DG 2100 B2RF	1020	1011	825	1402	1065
CG 3020 B2RF	1050	889	984	1331	1063
CG 3520 B2RF	1067	936	950	1295	1062
BW-4630 B2F	980	813	954	1383	1033
DG 2242 B2RF	1020	791	950	1312	1018
BW-3255 B2F	869	834	946	1239	972
BW-4021 B2F	850	870	901	1266	972
MEAN	1064	984	1159	1587	1199
LSD (.10)	120	190	142	195	82
CV (%)	9.53	16.39	10.42	10.46	11.67
R-square	0.61	0.41	0.78	0.70	0.85
REPS	4	4	4	4	16

<sup>†</sup> Least square means.

Table 7. Averages<sup>†</sup> for lint yield and fiber quality traits over locations in the Delta Region Mid Maturity Test in the 2006 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 515 BG/RR	1126	42.39	8.57	4.96	1.06	82.51	27.66	7.14	5.02
DP 147 RF	1101	40.57	9.05	5.24	1.14	82.43	27.66	6.97	4.74
DP 454 BG/RR	1087	43.70	8.33	4.60	1.02	82.09	27.15	7.00	4.57
ST 5599 BR	1071	40.65	10.35	5.84	1.06	82.39	28.97	7.37	5.11
BW-8391 B2F	1058	37.27	9.51	4.93	1.11	83.42	27.20	7.66	4.56
DP 445 BG/RR	1047	40.94	9.28	4.96	1.08	83.52	29.96	8.47	4.81
DP 494 RR	1039	41.75	9.08	5.34	1.12	83.21	29.88	7.73	5.08
DP 143 B2RF	1008	39.26	9.24	5.06	1.14	82.08	26.59	6.98	4.62
DP 164 B2RF	995	39.16	8.60	4.98	1.10	82.48	28.34	7.26	4.84
DP 488 BG/RR	994	40.67	9.23	5.29	1.11	82.68	28.12	7.38	4.91
FM 960 BR	991	39.46	10.08	5.80	1.07	82.78	32.76	7.39	5.01
DP 444 BG/RR	986	41.04	9.19	4.98	1.07	82.88	27.65	7.57	4.62
DG 2520 B2RF	982	39.15	9.14	4.82	1.08	82.61	25.73	7.28	4.54
DP 167 RF	966	40.37	8.77	4.88	1.10	82.68	28.30	7.30	4.80
DP 455 BG/RR	951	41.98	8.72	4.81	1.09	82.26	29.21	6.91	4.42
DP 555 BG/RR	920	43.49	8.05	4.86	1.07	81.84	27.45	6.73	4.94
DP 449 BG/RR	909	38.73	8.70	4.57	1.07	82.70	28.95	7.21	4.81
ST 6622 RF	894	38.32	9.01	4.69	1.09	83.05	30.88	7.45	4.84
DG N2429 CONV.	891	39.37	9.47	4.55	1.07	83.44	31.47	8.61	5.25
PHY 745 WRF	865	39.13	9.93	5.01	1.11	83.18	31.02	8.45	4.50
ST 6611 B2RF	860	36.40	9.06	4.65	1.08	82.70	30.76	7.28	4.87
FM 800 B2R	836	39.06	10.47	5.73	1.15	83.41	30.47	7.31	4.74
ST 6565 B2RF	778	37.51	8.72	4.66	1.10	82.65	29.67	7.10	4.75
MEAN	972	40.02	9.15	5.02	1.09	82.74	28.95	7.41	4.80
LSD (.10)	76	0.55	0.31	0.24	0.02	0.39	0.68	0.16	0.11
CV (%)	14.97	2.61	6.53	9.19	2.66	0.91	4.48	4.07	4.32
R-square	0.85	0.84	0.80	0.71	0.83	0.65	0.82	0.83	0.70
REPS	20	20	20	20	20	20	20	20	20

<sup>†</sup>Least square means.

Table 8. 2006 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 <sup>††</sup> \$/a	Gross Return \$/a
			Seed Yield lb/a	Loan Price <sup>†</sup> cents/lb			
DP 147 RF	1101	40.57	1651	54.90	604	66	670
BW-8391 B2F	1058	37.27	1587	55.10	583	63	646
DP 445 BG/RR	1047	40.94	1571	54.90	575	63	638
DP 515 BG/RR	1126	42.39	1689	50.40	568	68	636
DP 143 B2RF	1008	39.26	1512	54.90	553	60	613
DP 488 BG/RR	994	40.67	1491	55.10	548	60	608
DP 494 RR	1039	41.75	1558	52.60	546	62	608
DP 454 BG/RR	1087	43.70	1631	49.55	539	65	604
DP 164 B2RF	995	39.16	1493	54.30	541	60	601
ST 5599 BR	1071	40.65	1607	50.15	537	64	601
DG 2520 B2RF	982	39.15	1474	54.55	536	59	595
DP 167 RF	966	40.37	1449	54.55	527	58	585
DP 444 BG/RR	986	41.04	1479	53.15	524	59	583
DP 455 BG/RR	951	41.98	1426	54.30	516	57	573
FM 960 BR	991	39.46	1486	50.90	504	59	563
ST 6622 RF	894	38.32	1341	55.00	492	54	546
DP 555 BG/RR	920	43.49	1380	52.90	487	55	542
DP 449 BG/RR	909	38.73	1364	53.15	483	55	538
PHY 745 WRF	865	39.13	1297	55.00	476	52	528
ST 6611 B2RF	860	36.40	1290	55.00	473	52	525
FM 800 B2R	836	39.06	1255	55.40	463	50	513
DG N2429 CONV.	891	39.37	1337	50.85	453	53	506
ST 6565 B2RF	778	37.51	1167	54.80	426	47	473

<sup>†</sup> A color and leaf grade of 41-2 was assumed for all calculations.

<sup>††</sup> Estimates based upon a seed value of \$80 per ton.

<sup>†</sup> **Loan Price** was determined by entering OVT fiber data into the **Cotton Loan 2006 Calculator**. The Loan Calculator was developed through funding from Cotton Incorporated by Dr. Larry Falconer, Texas A&M Corpus Christi. The values are based on **USDA** premium and discount schedules for cotton entering the **Commodity Credit Corporation (CCC)** loan program (US National Loan Rate is \$0.52 per lb of lint for standard fiber characteristics). The information presented presumes a **standard leaf and color grade** since this information is needed to calculate the values and is not available from OVT data. **Color and leaf grade different than standard grades might affect the results.** Value per Acre is simply the Loan Price multiplied by the lint yield per acre.

Table 9. Average<sup>†</sup> lint yield for each location in the Delta Region Mid Maturity Test in the 2006 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 515 BG/RR	1021	1001	1174	860	1574	1126
DP 147 RF	890	1235	1049	812	1516	1101
DP 454 BG/RR	780	1224	1053	660	1719	1087
ST 5599 BR	744	1265	1008	760	1579	1071
BW-8391 B2F	769	1093	1093	862	1473	1058
DP 445 BG/RR	796	1114	955	787	1584	1047
DP 494 RR	599	1275	1045	659	1616	1039
DP 143 B2RF	555	1227	1057	750	1451	1008
DP 164 B2RF	842	1212	887	654	1382	995
DP 488 BG/RR	847	885	990	781	1467	994
FM 960 BR	896	1191	968	671	1228	991
DP 444 BG/RR	842	1037	1001	739	1312	986
DG 2520 B2RF	866	1177	784	713	1371	982
DP 167 RF	714	1127	784	804	1403	966
DP 455 BG/RR	505	1099	946	749	1455	951
DP 555 BG/RR	692	981	946	488	1493	920
DP 449 BG/RR	772	816	891	693	1372	909
ST 6622 RF	761	1039	751	696	1222	894
DG N2429 CONV.	733	1021	682	541	1480	891
PHY 745 WRF	811	957	835	466	1254	865
ST 6611 B2RF	657	896	763	671	1315	860
FM 800 B2R	672	1117	827	594	972	836
ST 6565 B2RF	649	830	715	486	1209	778
MEAN	757	1079	922	692	1410	972
LSD (.10)	115	244	148	133	188	76
CV (%)	12.93	19.18	13.58	16.21	11.22	14.97
R-square	0.68	0.38	0.64	0.61	0.60	0.85
REPS	4	4	4	4	4	20

<sup>†</sup>Least square means.

Table 10. Averages<sup>†</sup> for lint yield and fiber quality traits over locations in the Hill Region Mid Maturity Test in the 2006 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	1472	44.80	7.85	4.57	1.09	82.51	28.13	7.10	4.96
DP 515 BG/RR	1455	43.73	8.12	4.48	1.09	82.81	29.51	7.66	5.01
DP 494 RR	1417	42.69	9.02	4.84	1.13	83.71	31.07	7.96	4.99
DP 147 RF	1385	42.32	9.16	4.94	1.15	83.42	29.28	7.35	4.75
DP 488 BG/RR	1376	41.35	9.06	4.93	1.13	83.34	29.86	7.80	4.89
ST 5599 BR	1363	42.23	9.91	5.52	1.08	82.87	29.74	7.59	5.08
DP 454 BG/RR	1317	44.17	8.63	4.43	1.06	83.00	28.12	7.35	4.38
DP 455 BG/RR	1291	44.38	8.08	4.33	1.10	82.37	29.91	7.41	4.63
DP 143 B2RF	1283	40.92	9.26	4.85	1.16	82.51	28.19	7.24	4.59
DG N2429 CONV.	1277	41.49	9.66	4.42	1.10	84.11	31.96	8.74	5.36
DP 164 B2RF	1235	40.91	8.66	4.64	1.12	82.97	28.66	7.47	4.80
DP 445 BG/RR	1223	42.82	9.04	4.73	1.11	84.14	30.25	8.31	4.68
ST 6622 RF	1201	41.15	8.45	4.21	1.11	83.41	31.13	7.60	4.88
DP 444 BG/RR	1195	42.89	9.06	4.65	1.10	83.64	28.25	7.57	4.51
DP 167 RF	1193	41.06	8.80	4.58	1.11	83.10	29.30	7.51	4.81
DP 449 BG/RR	1191	40.91	8.73	4.43	1.10	83.21	30.86	7.73	4.74
ST 6565 B2RF	1189	38.93	8.42	4.32	1.12	83.31	30.41	7.46	4.68
FM 960 BR	1186	41.35	10.09	5.04	1.09	83.06	33.19	7.54	4.61
BW-8391 B2F	1161	39.19	9.36	4.42	1.15	84.05	27.99	7.79	4.56
PHY 745 WRF	1152	41.31	9.58	4.73	1.11	83.50	31.46	8.48	4.59
FM 800 B2R	1132	41.20	10.23	5.17	1.16	84.18	31.18	7.54	4.64
ST 6611 B2RF	1121	39.05	8.69	4.18	1.11	83.39	30.71	7.49	4.68
DG 2520 B2RF	1092	42.00	9.06	4.49	1.11	83.28	26.84	7.53	4.75
MEAN	1257	41.78	8.99	4.66	1.11	83.30	29.83	7.66	4.76
LSD (.10)	76	0.51	0.28	0.18	0.02	0.40	0.78	0.19	0.15
CV (%)	10.36	2.10	5.28	6.72	2.49	0.83	4.49	4.24	5.41
R-square	0.91	0.84	0.77	0.76	0.68	0.61	0.70	0.74	0.76
REPS	16	16	16	16	16	16	16	16	16

<sup>†</sup>Least square means.

Table 11. 2006 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		Lint Value \$/a	Seed Value <sup>††</sup> \$/a	Gross Return \$/a
			Seed Yield lbs/a	Loan Price <sup>†</sup> cents/lb			
DP 555 BG/RR	1472	44.80	2208	54.55	803	88	891
DP 494 RR	1417	42.69	2125	55.65	788	85	873
DP 147 RF	1385	42.32	2077	55.15	764	83	847
DP 488 BG/RR	1376	41.35	2063	55.35	761	83	844
DP 515 BG/RR	1455	43.73	2183	52.05	757	87	844
ST 5599 BR	1363	42.23	2045	52.05	710	82	792
DP 143 B2RF	1283	40.92	1924	55.15	707	77	784
DP 455 BG/RR	1291	44.38	1937	54.55	704	77	781
DP 454 BG/RR	1317	44.17	1976	53.15	700	79	779
DP 164 B2RF	1235	40.91	1852	55.10	680	74	754
DP 445 BG/RR	1223	42.82	1835	54.90	672	73	745
DG N2429 CONV.	1277	41.49	1916	51.50	658	77	735
ST 6622 RF	1201	41.15	1802	55.00	661	72	733
DP 167 RF	1193	41.06	1789	55.10	657	72	729
ST 6565 B2RF	1189	38.93	1783	55.35	658	71	729
DP 449 BG/RR	1191	40.91	1786	55.00	655	71	726
DP 444 BG/RR	1195	42.89	1792	54.65	653	72	725
FM 960 BR	1186	41.35	1779	55.05	653	71	724
BW-8391 B2F	1161	39.19	1742	55.25	642	70	712
PHY 745 WRF	1152	41.31	1729	55.10	635	69	704
FM 800 B2R	1132	41.20	1698	55.70	631	68	699
ST 6611 B2RF	1121	39.05	1681	55.00	616	67	683
DG 2520 B2RF	1092	42.00	1638	55.10	602	66	668

<sup>†</sup> A color and leaf grade of 41-2 was assumed for all calculations.

<sup>††</sup> Estimates based upon a seed value of \$80 per ton.

<sup>†</sup> **Loan Price** was determined by entering OVT fiber data into the **Cotton Loan 2006 Calculator**. The Loan Calculator was developed through funding from Cotton Incorporated by Dr. Larry Falconer, Texas A&M Corpus Christi. The values are based on **USDA** premium and discount schedules for cotton entering the **Commodity Credit Corporation (CCC)** loan program (US National Loan Rate is \$0.52 per lb of lint for standard fiber characteristics). The information presented presumes a **standard leaf and color grade** since this information is needed to calculate the values and is not available from OVT data. **Color and leaf grade different than standard grades might affect the results.** Value per Acre is simply the Loan Price multiplied by the lint yield per acre.

Table 12. Average<sup>1</sup> lint yield for each location in the Hill Region Mid Maturity Test in the 2006 Mississippi State University Cotton Variety Trials.

Variety	BROOKSVILLE	NESBIT	VERONA	RAYMOND	OVER LOCATIONS
	Lint Yield	Lint Yield	Lint Yield	Lint Yield	Lint Yield
	lb/a	lb/a	lb/a	lb/a	lb/a
DP 555 BG/RR	1250	1206	1347	2085	1472
DP 515 BG/RR	1182	1177	1273	2190	1455
DP 494 RR	1252	1175	1209	2031	1417
DP 147 RF	1203	1212	1273	1852	1385
DP 488 BG/RR	1297	981	1239	1985	1376
ST 5599 BR	1241	996	1295	1921	1363
DP 454 BG/RR	1177	1209	916	1967	1317
DP 455 BG/RR	1272	838	1234	1821	1291
DP 143 B2RF	1162	1075	1106	1787	1283
DG N2429 CONV.	1140	1094	1049	1825	1277
DP 164 B2RF	1137	1062	1017	1723	1235
DP 445 BG/RR	1212	1061	892	1729	1223
ST 6622 RF	1120	910	995	1780	1201
DP 444 BG/RR	1062	1011	931	1774	1195
DP 167 RF	1174	931	960	1706	1193
DP 449 BG/RR	1217	977	1020	1549	1191
ST 6565 B2RF	997	839	1097	1822	1189
FM 960 BR	1125	965	845	1809	1186
BW-8391 B2F	1152	1017	901	1575	1161
PHY 745 WRF	1027	993	1008	1581	1152
FM 800 B2R	951	1081	900	1596	1132
ST 6611 B2RF	1033	945	901	1603	1121
DG 2520 B2RF	991	915	834	1627	1092
MEAN	1147	1029	1054	1797	1257
LSD (.10)	121	174	156	158	76
CV (%)	8.94	14.35	12.52	7.48	10.36
R-square	0.58	0.52	0.71	0.73	0.91
REPS	4	4	4	4	16

<sup>1</sup>Least square means.

Table 13. Averages<sup>†</sup> for lint yield and fiber quality traits over locations in Delta and Hill Regions New Entry Test in the 2006 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
DX 25105N	986	41.69	9.16	5.10	1.08	82.43	29.38	7.91	4.86
DP 555 BG/RR	977	43.93	7.51	4.69	1.06	81.57	27.68	6.94	4.98
MISCOT 0141-15 ne	957	40.09	9.61	4.89	1.06	82.82	31.59	8.08	5.16
ST 5283 RF	949	41.54	8.28	4.12	1.06	82.84	30.38	8.29	4.78
DP 444 BG/RR	940	41.46	9.06	4.75	1.07	82.74	28.92	7.63	4.43
FM 960 BR	935	39.63	10.11	5.23	1.07	82.77	32.57	7.50	4.64
FM 966 LL	929	39.59	10.55	5.16	1.10	83.26	33.84	7.56	4.78
DX 34102	926	42.52	9.21	5.06	1.07	82.56	27.98	7.82	5.00
ST 5599 BR	923	40.75	9.88	5.13	1.06	82.43	29.81	7.63	4.98
FM 9068 F	921	39.41	10.28	5.08	1.12	82.33	30.72	7.56	4.56
DP 121 RF	920	43.38	8.46	4.47	1.05	82.93	29.40	8.28	5.07
ST 5327 B2RF	900	42.05	8.21	3.95	1.06	82.71	30.28	8.28	4.54
MISCOT 0141-14 ne	890	40.05	9.64	4.89	1.09	82.49	29.79	7.66	4.83
FM 955 LLB2	888	38.01	10.89	5.21	1.14	83.07	28.95	7.40	4.74
DG 06064 B2RF	873	39.23	8.66	4.45	1.03	82.59	27.08	8.10	4.03
FM 9060 F	867	40.74	9.71	4.81	1.13	81.96	27.26	6.66	4.48
CT-LINWOOD	860	40.05	8.36	4.37	1.05	82.66	30.74	8.03	5.25
CT-210	851	39.21	8.05	4.36	1.06	81.97	29.74	7.89	5.08
DPLX 06W650F	841	40.62	9.11	4.58	1.08	82.66	29.19	7.69	4.65
FM 9063 B2F	798	38.91	10.39	5.12	1.13	82.38	31.28	7.43	4.50
DG 0A265 BR	737	38.36	10.37	5.02	1.11	83.19	35.08	8.15	4.41
FM 965 LLB2	723	38.27	10.57	4.94	1.11	82.95	32.21	7.37	4.50
MISCOT 0146-18 ne	721	39.32	9.02	4.61	1.08	82.88	30.86	7.91	4.75
MEAN	888	40.38	9.35	4.79	1.08	82.62	30.21	7.73	4.74
LSD (.10)	62	0.49	0.28	0.22	0.01	0.38	0.82	0.14	0.13
CV (%)	11.86	2.08	5.19	7.86	2.24	0.80	4.67	3.08	4.63
R-square	0.86	0.92	0.85	0.66	0.74	0.56	0.76	0.83	0.79
REPS	16	16	16	16	16	16	16	16	16

<sup>†</sup>Least square means.



Table 14. 2006 Mississippi State University Delta &amp; Hill Regions New Entry Cotton Variety Trial - Yield, Loan Value, and Per Acre Returns.

Variety	Lint Yield lb/a	Lint Percent %	Estimated	Loan Price <sup>†</sup> cents/lb	Lint Value \$/a	Seed Value <sup>††</sup> \$/a	Gross Return \$/a
			Seed Yield lbs/a				
DX 25105N	986	41.69	1479	54.30	535	59	594
DP 555 BG/RR	977	43.93	1466	52.90	517	59	576
FM 966 LL	929	39.59	1393	55.05	511	56	567
FM 9068 F	921	39.41	1382	55.30	509	55	564
ST 5283 RF	949	41.54	1424	53.40	507	57	564
FM 960 BR	935	39.63	1403	53.65	502	56	558
DP 444 BG/RR	940	41.46	1410	53.15	500	56	556
ST 5599 BR	923	40.75	1384	53.15	490	55	545
MISCOT 0141-15 ne	957	40.09	1436	50.85	487	57	544
FM 955 LLB2	888	38.01	1333	55.15	490	53	543
MISCOT 1041-14 ne	890	40.05	1335	54.55	486	53	539
ST 5327 B2RF	900	42.05	1350	53.40	481	54	535
FM 9060 F	867	40.74	1300	54.85	475	52	527
DX 34102	926	42.52	1389	50.40	467	56	523
DG 06064 B2RF	873	39.23	1310	51.25	447	52	499
DP 121 RF	920	43.38	1380	48.30	444	55	499
DPLX 06W650F	841	40.62	1261	53.15	447	50	497
FM 9063 B2F	798	38.91	1197	55.30	441	48	489
CT-210	851	39.21	1277	50.40	429	51	480
CT-LINWOOD	860	40.05	1290	48.75	419	52	471
DG 0A265 BR	737	38.36	1105	55.60	410	44	454
FM 965 LLB2	723	38.27	1084	55.55	402	43	445
MISCOT 0146-18 ne	721	39.32	1082	55.00	397	43	440

<sup>†</sup>A color and leaf grade of 41-2 was assumed for all calculations.

<sup>††</sup> Estimates based upon a seed value of \$80 per ton.

<sup>†</sup>**Loan Price** was determined by entering OVT fiber data into the **Cotton Loan 2006 Calculator**. The Loan Calculator was developed through funding from Cotton Incorporated by Dr. Larry Falconer, Texas A&M Corpus Christi. The values are based on **USDA** premium and discount schedules for cotton entering the **Commodity Credit Corporation (CCC)** loan program (US National Loan Rate is \$0.52 per lb of lint for standard fiber characteristics). The information presented presumes a **standard leaf and color grade** since this information is needed to calculate the values and is not available from OVT data. **Color and leaf grade different than standard grades might affect the results.** Value per Acre is simply the Loan Price multiplied by the lint yield per acre.

Table 15. Average<sup>†</sup> lint yield for each location in the Hill and Delta Regions New Entry Test in the 2006 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
DX 25105N	808	848	1188	1099	986
DP 555 BG/RR	863	594	1130	1323	977
MISCOT 0141-15 ne	903	582	1076	1268	957
ST 5283 RF	713	783	1233	1066	949
DP 444 BG/RR	878	702	1060	1121	940
FM 960 BR	829	789	1043	1080	935
FM 966 LL	880	705	1078	1052	929
DX 34102	972	632	1062	1038	926
ST 5599 BR	609	756	1185	1142	923
FM 9068 F	864	778	1022	1021	921
DP 121 RF	800	770	955	1155	920
ST 5327 B2RF	680	745	1065	1110	900
MISCOT 0141-14 ne	827	581	1025	1127	890
FM 955 LLB2	734	712	1104	1003	888
DG 06064 B2RF	725	786	1009	973	873
FM 9060 F	830	711	825	1101	867
CT-LINWOOD	737	566	1131	1007	860
CT-210	771	547	1138	948	851
DPLX 06W650F	655	515	1074	1120	841
FM 9063 B2F	652	729	847	966	798
DG 0A265 BR	486	428	1033	1000	737
FM 965 LLB2	439	478	959	1016	723
MISCOT 0146-18 ne	444	390	1053	998	721
MEAN	752	659	1056	1075	888
LSD (.10)	144	99	121	133	62
CV (%)	15.87	12.55	9.72	10.52	11.86
R-square	0.66	0.77	0.58	0.61	0.86
REPS	4	4	4	4	16

<sup>†</sup>Least square means.

Table 16. Averages<sup>†</sup> for lint yield and fiber quality traits over two years (2005-2006) 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	1308	42.32	9.10	5.13	1.13	83.35	26.29	7.78	4.50
DP 432 RR	1266	40.76	9.13	4.88	1.09	83.53	29.80	8.62	5.04
ST 5599 BR	1226	40.03	10.49	5.74	1.10	82.76	29.23	7.70	4.99
DP 445 BG/RR	1205	40.86	9.26	5.05	1.11	83.90	29.93	8.60	4.63
DP 393	1203	40.64	9.43	5.10	1.12	83.97	30.53	8.85	4.91
PHY 310 R	1200	42.27	9.21	5.05	1.05	82.91	29.46	8.22	4.87
ST 4575 BR	1197	40.37	9.63	5.19	1.08	83.43	29.86	9.12	4.84
PHY 470 WR	1172	39.76	9.63	4.69	1.09	83.82	29.91	8.93	4.73
DP 455 BG/RR	1158	41.81	8.61	4.71	1.10	82.33	29.39	7.37	4.43
FM 960 BR	1148	39.30	10.78	5.73	1.10	83.47	33.27	7.66	4.79
PHY 480 WR	1146	39.00	9.37	4.55	1.12	84.15	29.79	8.76	4.77
ST 5242 BR	1095	40.80	10.72	5.67	1.08	83.29	27.04	7.71	4.69
DP 444 BG/RR	1055	40.52	9.54	4.90	1.10	83.72	27.93	7.76	4.30
FM 960 B2R	1033	39.13	11.12	5.58	1.14	83.50	31.42	7.38	4.80
ST 4357 B2RF	1019	39.46	9.34	4.83	1.09	82.82	25.51	7.38	4.42
MEAN	1117	40.43	9.61	5.08	1.10	83.38	29.37	8.16	4.69
LSD (.10)	100	0.47	0.30	0.20	0.02	0.41	0.68	0.21	0.11
CV (%)	22.40	2.89	7.75	10.00	3.98	1.22	5.84	6.30	5.81
R-square	0.64	0.62	0.62	0.51	0.42	0.30	0.61	0.65	0.53

<sup>†</sup>Least square means.

Table 17. Averages<sup>†</sup> for lint yield and fiber quality traits over two years (2005-2006) in the Hill Region<sup>††</sup> 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	1495	43.78	9.31	4.79	1.07	83.70	30.17	8.32	4.87
PHY 470 WR	1454	41.61	9.62	4.39	1.10	84.38	29.60	8.89	4.74
ST 5599 BR	1406	41.81	10.35	5.59	1.10	83.07	29.64	7.73	5.04
ST 4575 BR	1391	41.95	9.20	4.82	1.09	83.91	29.91	8.98	4.73
DP 393	1387	42.36	9.58	4.78	1.13	84.61	31.06	8.98	4.97
ST 5242 BR	1372	42.47	10.64	5.34	1.09	83.78	26.91	7.76	4.79
PHY 480 WR	1370	40.52	9.24	4.18	1.12	84.57	30.07	8.70	4.78
DP 445 BG/RR	1368	42.57	9.34	4.65	1.12	84.22	29.89	8.53	4.60
DP 432 RR	1349	41.80	9.11	4.48	1.09	83.90	29.77	8.47	4.92
DP 444 BG/RR	1334	42.70	9.47	4.64	1.10	83.89	28.10	7.79	4.31
DP 455 BG/RR	1322	43.16	8.65	4.48	1.12	83.15	28.90	7.34	4.40
DP 434 RR	1278	43.57	9.10	4.91	1.15	83.75	26.77	7.85	4.54
FM 960 BR	1234	40.52	10.35	5.09	1.09	83.52	34.26	7.79	4.66
FM 960 B2R	1170	40.62	10.38	5.30	1.14	83.32	30.63	7.24	4.57
MEAN	1323	41.98	9.54	4.80	1.11	83.82	29.52	8.15	4.64
LSD (.10)	94	0.73	0.28	0.20	0.02	0.41	0.56	0.16	0.13
CV (%)	15.74	3.87	6.47	9.19	3.08	1.08	4.17	4.39	6.40
R-square	0.72	0.45	0.60	0.60	0.46	0.47	0.76	0.81	0.59

<sup>†</sup>Least square means.

<sup>††</sup>Due to suspected glyphosate drift, Nesbit data for 2005 are not included.

Table 18. Averages<sup>†</sup> for lint yield and fiber quality traits over two years (2005-2006) 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	1171	40.84	9.35	4.91	1.11	83.91	29.69	8.64	4.67
ST 5599 BR	1167	40.44	10.52	5.84	1.09	82.83	29.41	7.70	5.07
DP 494 RR	1149	41.17	9.35	5.26	1.15	83.80	30.56	8.01	4.95
DP 488 BG/RR	1128	40.23	9.35	5.20	1.14	83.08	28.89	7.76	4.85
DP 455 BG/RR	1065	41.76	8.63	4.68	1.11	82.54	29.22	7.25	4.37
DP 449 BG/RR	1061	39.15	8.74	4.58	1.09	83.18	29.77	7.64	4.85
DP 555 BG/RR	1049	43.16	7.98	4.75	1.09	82.34	27.90	7.12	4.83
DP 444 BG/RR	1047	40.72	9.51	5.04	1.09	83.51	28.01	7.86	4.45
FM 800 B2R	912	38.64	10.60	5.59	1.17	84.06	30.36	7.59	4.58
MEAN	1043	40.66	9.22	5.03	1.11	83.16	29.22	7.75	4.71
LSD (.10)	84	1.65	0.33	0.21	0.02	0.40	0.67	0.21	0.11
CV (%)	20.59	3.03	9.09	10.82	3.80	1.24	5.85	6.94	6.16
R-square	0.63	0.62	0.63	0.54	0.51	0.39	0.39	0.47	0.52

<sup>†</sup>Least square means.

Table 19. Averages<sup>†</sup> for lint yield and fiber quality traits over two years (2005-2006) in the Hill Region<sup>††</sup> 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	1458	44.32	7.95	4.46	1.09	82.72	28.07	7.31	4.91
DP 494 RR	1419	42.02	9.12	4.95	1.15	84.14	31.18	8.17	4.90
DP 488 BG/RR	1388	40.82	9.30	5.08	1.14	83.78	29.80	8.00	4.78
ST 5599 BR	1380	42.07	10.17	5.62	1.10	83.09	29.98	7.83	5.06
DP 455 BG/RR	1349	43.82	8.39	4.41	1.12	83.11	29.76	7.61	4.55
DP 445 BG/RR	1328	42.51	9.38	4.79	1.12	84.54	29.91	8.52	4.73
DP 444 BG/RR	1274	42.49	9.35	4.71	1.11	84.13	28.74	7.91	4.46
DP 449 BG/RR	1262	40.53	8.89	4.42	1.10	83.42	30.96	7.92	4.75
FM 800 B2R	1148	40.44	10.44	5.32	1.17	84.30	31.29	7.73	4.53
MEAN	1291	41.96	9.18	4.83	1.13	83.69	29.94	7.87	4.65
LSD (.10)	63	0.69	0.31	0.20	0.01	0.37	0.61	0.17	0.13
CV (%)	11.06	3.70	7.68	9.50	2.93	0.99	4.61	4.97	6.38
R-square	0.84	0.57	0.64	0.59	0.59	0.57	0.54	0.63	0.70

<sup>†</sup>Least square means.

<sup>††</sup>Due to suspected glyphosate drift, Nesbit data for 2005 are not included.

Table 20. Averages<sup>†</sup> for lint yield and fiber quality traits over three years (2004-2006) in the Delta Region<sup>††</sup> 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 432 RR	1569	40.77	9.31	5.16	1.10	83.85	29.93	8.56	5.01
DP 434 RR	1553	42.20	9.37	5.47	1.15	83.85	26.59	7.75	4.49
ST 5599 BR	1543	39.97	10.71	6.01	1.12	83.22	29.86	7.69	4.95
ST 4575 BR	1522	40.43	9.88	5.51	1.10	83.79	29.81	8.97	4.82
DP 445 BG/RR	1503	40.92	9.44	5.36	1.13	84.23	30.08	8.47	4.63
DP 393	1486	40.57	9.68	5.38	1.14	84.40	30.72	8.75	4.85
FM 960 BR	1454	39.45	10.93	5.96	1.11	83.84	33.76	7.67	4.74
DP 455 BG/RR	1439	41.77	8.79	4.95	1.12	82.87	30.07	7.36	4.39
DP 444 BG/RR	1386	40.77	9.73	5.19	1.12	84.13	28.44	7.71	4.29
FM 960 B2R	1328	39.05	11.39	5.75	1.16	83.94	32.01	7.37	4.80
MEAN	1377	40.47	9.79	5.41	1.12	83.77	30.11	8.06	4.66
LSD (.10)	118	0.40	0.26	0.26	0.02	0.37	0.58	0.16	0.10
CV (%)	28.19	2.95	7.92	13.96	4.02	1.33	5.74	5.91	6.11
R-square	0.37	0.56	0.60	0.34	0.37	0.31	0.61	0.64	0.51

<sup>†</sup>Least square means.

<sup>††</sup>Due to excessive rain, Tunica data for 2004 are not included.

Table 21. Averages<sup>†</sup> for lint yield and fiber quality traits over three years (2004-2006) in the Hill Region<sup>††</sup> 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
ST 5599 BR	1378	42.15	10.56	5.93	1.10	83.40	30.80	7.76	4.95
ST 4575 BR	1332	41.58	9.61	5.35	1.09	83.94	29.78	8.80	4.79
DP 445 BG/RR	1318	42.00	9.58	5.11	1.13	84.50	30.09	8.40	4.55
DP 393	1305	42.17	9.92	5.16	1.14	84.85	31.38	8.84	4.89
DP 444 BG/RR	1258	42.47	9.48	4.84	1.10	84.03	28.37	7.73	4.23
FM 960 BR	1256	40.69	10.58	5.72	1.10	83.94	34.81	7.76	4.67
DP 455 BG/RR	1252	42.42	9.00	4.89	1.13	83.78	30.62	7.64	4.38
DP 432 RR	1249	41.01	9.32	4.89	1.08	84.03	30.05	8.53	4.94
DP 434 RR	1247	42.73	9.36	5.23	1.14	84.17	27.51	7.89	4.50
FM 960 B2R	1175	40.32	10.74	5.66	1.15	83.95	31.92	7.30	4.65
MEAN	1275	41.72	9.71	5.20	1.12	84.07	30.37	8.07	4.59
LSD (.10)	53	0.50	0.20	0.16	0.01	0.29	0.47	0.12	0.10
CV (%)	14.37	3.62	6.05	9.58	2.73	1.03	4.65	4.53	6.52
R-square	0.79	0.44	0.74	0.66	0.58	0.46	0.75	0.76	0.62

<sup>†</sup>Least square means.

<sup>††</sup>Due to suspected glyphosate drift, Nesbit data for 2005 are not included.

Table 22. Averages<sup>†</sup> for lint yield and fiber quality traits over three years (2004-2006) in the Delta Region<sup>††</sup> 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	1443	40.72	9.63	5.30	1.13	84.40	30.02	8.52	4.64
ST 5599 BR	1416	40.12	10.76	6.12	1.11	83.43	30.21	7.70	4.98
DP 494 RR	1336	41.04	9.62	5.43	1.16	84.41	31.43	8.04	4.89
DP 488 BG/RR	1310	40.33	9.65	5.45	1.16	83.87	29.77	7.78	4.80
DP 455 BG/RR	1309	41.45	8.96	5.10	1.13	83.28	30.17	7.29	4.31
DP 555 BG/RR	1272	42.89	8.26	5.00	1.11	82.93	28.58	7.18	4.77
DP 449 BG/RR	1235	39.04	9.08	4.91	1.11	83.66	30.61	7.68	4.79
FM 800 B2R	1076	38.50	10.84	5.75	1.19	84.74	31.18	7.61	4.59
MEAN	1215	40.49	9.44	5.27	1.13	83.67	30.05	7.74	4.69
LSD (.10)	94	0.48	0.32	0.24	0.02	0.41	0.67	0.17	0.11
CV (%)	25.32	3.49	10.12	13.34	4.05	1.47	6.62	6.48	6.79
R-square	0.47	0.56	0.54	0.43	0.47	0.42	0.34	0.48	0.46

<sup>†</sup>Least square means.

<sup>††</sup>Due to excessive rain, Tunica data for 2004 are not included.

Table 23. Averages<sup>†</sup> for lint yield and fiber quality traits over three years (2004-2006) in the Hill Region<sup>††</sup> 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	1334	44.05	8.21	4.85	1.10	83.12	28.67	7.22	4.82
DP 488 BG/RR	1298	41.43	9.59	5.49	1.15	84.53	30.90	7.94	4.73
ST 5599 BR	1291	41.73	10.37	5.94	1.10	83.51	30.55	7.73	4.86
DP 494 RR	1291	41.94	9.36	5.27	1.14	84.34	31.77	8.14	4.88
DP 455 BG/RR	1264	42.93	8.71	4.68	1.13	83.66	30.58	7.48	4.41
DP 445 BG/RR	1248	41.78	9.54	5.16	1.13	84.59	30.19	8.39	4.66
DP 449 BG/RR	1192	40.22	9.03	4.74	1.11	83.85	31.53	7.90	4.71
FM 800 B2R	1109	40.08	10.29	5.71	1.17	84.82	32.16	7.68	4.39
MEAN	1244	41.77	9.26	5.12	1.13	83.97	30.73	7.82	4.62
LSD (.10)	47	0.47	0.22	0.16	0.01	0.28	0.51	0.13	0.10
CV (%)	13.15	3.41	7.04	9.49	2.63	0.99	5.04	4.90	6.47
R-square	0.82	0.61	0.73	0.66	0.63	0.57	0.46	0.59	0.65

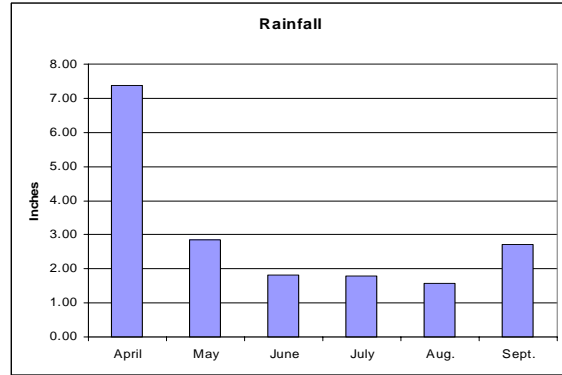
<sup>†</sup>Least square means.

<sup>††</sup>Due to suspected glyphosate drift, Nesbit data for 2005 are not included.

**Table 24. Rainfall and Agronomics Information for Stoneville, Delta Region.**

Rainfall Summary

	Inches
April.....	7.38
May.....	2.86
June.....	1.81
July.....	1.78
August.....	1.56
September.....	2.72
<b>Total.....</b>	<b>18.11</b>



Soil Type..... Bosket Very Fine Sandy Loam Soil  
 Fertilizer Added..... Potash - 60%K2O @ 200 lb/A. (11-8-05). Fert. Application - Liquid (UAN 32% N) (3-27-06).  
 Herbicide applications.... Preemergence -Trifluralin 4EC @ 1pt. (3-27-06). Cotoran 4l @ 1pt. Staple XL @ 1.3 oz. (5-17-06). Centric 40WG @ 1.5 oz. (6-16-06)(6-27-06). Orthene 90S @ 1lb. (7-7-06). Orthene 90S @ .5lb, Karate Z @ 2.13 oz. (7-19-06).  
 Insecticide Applications.. Orthene 90S @ .5lb, Karate Z @ 6.4 oz. (7-28-06). Centric 40WG @ 1 oz., Kelthane MF @ 2 pts. (8-8-06).  
 Orthene 90S @ .5lb, Ammo 2.5 EC @ 5.12 oz. (8-18-06).  
 Irrigation..... July 24, 2006. August 3, 2006.  
 Planting Date..... May 16, 2006  
 Harvest Date..... New Variety Trial - September 28, 2006. Early Variety Trial - September 28, 2006.  
 Mid Variety Trial - October 2, 2006. Commercial Advanced Strains Test - October 2, 2006.

Table 25. Stoneville, MS location of the Delta Region Early Maturity Test in the 2006 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 434 RR	1019	42.40	8.53	5.50	1.07	83.25	25.80	7.55	4.63
DP 117 B2RF	958	41.03	8.73	5.73	1.06	82.28	29.48	7.83	4.93
ST 4664 RF	924	41.16	8.40	5.48	1.01	81.90	29.65	8.98	4.75
DP 555 BG/RR	916	42.80	7.25	4.82	1.04	81.05	27.68	6.85	5.03
DP 110 RF	906	40.14	8.63	5.54	1.05	82.88	32.18	8.83	4.95
PHY 425 WRF	891	41.12	8.68	5.02	1.06	83.08	29.43	8.65	4.85
PHY 310 R	867	43.05	8.08	5.56	0.96	81.28	28.25	7.85	4.90
PHY 485 WRF	849	40.62	8.20	4.80	1.07	83.00	27.85	8.25	4.58
ST 5599 BR	828	40.83	9.72	6.10	1.06	82.05	28.43	7.53	5.05
ST 4427 B2RF	807	40.35	8.40	5.24	1.06	82.70	29.98	7.80	4.53
DP 444 BG/RR	804	40.45	9.20	5.29	1.06	84.05	28.15	7.70	4.43
ST 4357 B2RF	801	40.31	9.40	5.20	1.04	83.03	26.48	7.75	4.43
DP 393	801	41.26	8.95	5.46	1.08	83.50	30.20	8.65	4.70
CG 3020 B2RF	799	38.55	8.98	5.20	1.01	82.85	26.48	7.60	4.33
PHY 470 WR	795	39.86	9.13	5.21	1.04	83.23	29.18	8.63	4.75
DP 445 BG/RR	791	41.79	8.68	5.29	1.04	83.15	30.48	8.90	4.70
PHY 480 WR	787	39.51	8.48	4.84	1.05	82.70	28.98	8.85	4.70
DP 454 BG/RR	770	43.35	7.90	5.23	0.96	81.08	27.15	7.15	4.75
PHY 370 WR	765	42.27	8.73	5.25	1.02	82.30	28.63	7.85	4.45
DG 2242 B2RF	751	39.30	8.15	4.79	1.00	82.10	24.75	7.65	4.40
DP 432 RR	744	42.27	8.05	4.97	1.00	82.98	28.30	8.40	5.13
BW-2038 B2F	738	39.39	8.08	4.43	1.03	82.18	25.28	7.95	4.55
DP 147 RF	733	40.29	8.45	5.53	1.10	82.15	27.28	6.95	4.38
ST 4554 B2RF	732	40.08	8.98	5.50	1.03	82.30	30.10	8.88	4.83
BW-4630 B2F	728	40.33	8.78	5.14	1.03	82.40	26.50	7.60	4.38
DP 143 B2RF	705	39.51	8.85	5.34	1.10	81.40	25.68	6.85	4.43
CG 3520 B2RF	682	39.03	8.40	4.67	1.03	82.58	25.08	7.80	4.45
ST 4575 BR	681	40.80	8.45	5.75	1.00	82.43	29.65	9.00	4.88
BW-3255 B2F	680	37.56	8.50	5.09	1.01	82.55	26.18	7.63	4.43
DG 2100 B2RF	678	37.51	8.93	5.00	1.01	82.78	27.43	7.80	4.05
ST 5242 BR	675	41.44	10.00	6.53	1.04	82.83	26.55	7.35	4.75
DG 2215 B2RF	671	38.42	9.18	4.97	1.05	83.10	26.65	7.85	4.30
FM 960 BR	649	40.09	10.48	6.33	1.05	82.90	32.53	7.35	4.90
CG 4020 B2RF	649	39.81	9.15	5.14	1.06	82.53	25.88	7.35	4.45
ST 4700 B2RF	639	39.56	8.28	4.42	1.03	82.60	25.60	8.05	4.58
BW-4021 B2F	560	37.96	8.73	4.87	1.04	82.40	26.75	7.63	4.15
FM 960 B2R	560	39.42	10.50	5.99	1.07	81.88	31.43	7.05	4.65
DP 455 BG/RR	536	41.91	8.25	4.91	1.05	82.20	28.95	7.05	4.60
MEAN	761	40.41	8.74	5.27	1.04	82.52	28.02	7.88	4.62
LSD (.10)	135	1.14	0.47	0.34	0.03	0.79	1.07	0.30	0.22
CV (%)	15.06	2.41	4.62	5.42	2.46	0.82	3.24	3.29	4.14
R-square	0.58	0.75	0.78	0.79	0.66	0.57	0.87	0.89	0.71
REPS	4	4	4	4	4	4	4	4	4

Planted on 05/16/2006, Harvested on 09/27/2006.

All values represent least square means.



Table 26. Stoneville, MS location of the Delta Region Mid Maturity Test in the 2006 Mississippi State University Cotton Variety Trial grown on a Basket 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 515 BG/RR	1021	42.42	8.10	5.18	1.05	82.43	27.90	7.18	4.98
FM 960 BR	896	39.56	10.05	6.16	1.06	82.80	32.60	7.50	4.88
DP 147 RF	890	39.77	8.40	5.91	1.10	81.85	26.58	6.85	4.63
DG 2520 B2RF	866	39.99	8.08	5.32	1.02	82.53	25.10	7.35	4.50
DP 488 BG/RR	847	40.24	9.10	5.93	1.11	82.78	28.55	7.48	4.88
DP 444 BG/RR	842	40.71	9.05	5.53	1.05	83.13	28.45	7.90	4.73
DP 164 B2RF	842	39.09	8.20	5.10	1.06	81.88	27.75	7.28	4.80
PHY 745 WRF	811	38.74	9.90	5.72	1.12	82.80	31.10	8.63	4.43
DP 445 BG/RR	796	41.29	9.08	5.43	1.05	83.63	29.53	8.45	4.90
DP 454 BG/RR	780	44.73	7.60	4.90	0.97	81.68	27.35	7.18	4.58
DP 449 BG/RR	772	39.12	8.33	5.02	1.05	82.30	27.80	7.15	4.70
BW-8391 B2F	769	37.39	8.98	5.25	1.06	83.08	26.43	7.55	4.40
ST 6622 RF	761	38.64	9.00	4.99	1.08	83.33	31.18	7.55	4.73
ST 5599 BR	744	40.84	9.93	6.52	1.05	82.10	27.88	7.20	4.93
DG N2429 CONV.	733	40.37	8.90	4.89	1.06	82.80	30.60	8.45	5.08
DP 167 RF	714	39.41	8.48	5.30	1.10	83.08	28.38	7.40	4.78
DP 555 BG/RR	692	43.20	7.40	5.19	1.06	81.60	27.05	6.80	4.90
FM 800 B2R	672	39.12	10.35	6.45	1.12	83.15	30.58	7.35	4.65
ST 6611 B2RF	657	37.30	8.35	5.11	1.03	82.08	29.25	7.15	5.05
ST 6565 B2RF	649	36.64	8.65	5.04	1.08	82.80	30.35	7.30	4.68
DP 494 RR	599	41.58	8.43	5.87	1.09	82.58	28.55	7.55	4.93
DP 143 B2RF	555	39.44	8.83	5.60	1.11	81.63	27.08	7.25	4.58
DP 455 BG/RR	505	41.50	8.48	5.29	1.06	81.88	30.00	7.00	4.35
MEAN	757	40.05	8.77	5.46	1.07	82.52	28.70	7.46	4.74
LSD (.10)	115	0.97	0.59	0.31	0.03	0.86	1.57	0.39	0.23
CV (%)	12.93	2.05	5.74	4.87	2.71	0.88	4.64	4.41	4.11
R-square	0.68	0.88	0.75	0.81	0.65	0.50	0.72	0.75	0.62
REPS	4	4	4	4	4	4	4	4	4

Planted on 05/16/2006, Harvested on 10/02/2006.  
All values represent least square means.

Table 27. Stoneville, MS location of the Delta Region New Entry Test in the 2006 Mississippi State University Cotton Variety Trial grown on a Bosket Very Fine Sandy Loam Soil.

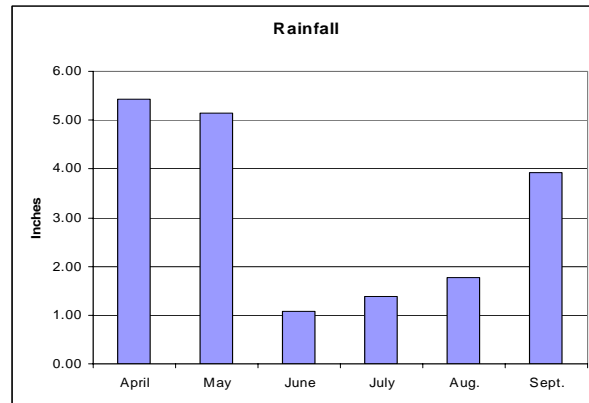
Variety	Lint Yield lb/a	Lint Percent %	Seed Index g	Boll Size g	Length inch	Uniformity		Elongation %	Micronaire mic
						Index %	Strength g/tex		
DX 34102	972	41.51	9.20	5.20	1.05	82.35	26.50	7.80	4.93
MISCOT 0141-15 ne	903	38.41	9.40	4.98	1.03	82.38	31.15	8.05	5.20
FM 966 LL	880	37.55	11.13	5.67	1.09	83.55	33.28	7.60	4.80
DP 444 BG/RR	878	39.17	9.25	5.64	1.05	82.25	28.80	7.63	4.58
FM 9068 F	864	36.89	10.43	5.35	1.11	81.83	30.35	7.45	4.45
DP 555 BG/RR	863	43.55	7.28	4.78	1.04	80.80	27.28	6.85	4.98
FM 9060 F	830	38.86	9.65	5.26	1.12	82.03	26.83	6.80	4.53
FM 960 BR	829	37.31	10.45	5.77	1.05	81.95	33.13	7.65	4.93
MISCOT 0141-14 ne	827	37.70	9.83	4.95	1.09	82.80	30.10	7.88	4.58
DX 25105N	808	40.53	9.28	5.14	1.06	81.45	29.90	7.95	4.65
DP 121 RF	800	43.19	8.50	4.44	1.03	82.55	29.58	8.40	5.03
CT-210	771	37.68	8.10	4.61	1.07	81.63	29.73	8.05	5.23
CT-LINWOOD	737	36.32	8.38	4.77	1.04	82.50	29.40	7.75	5.23
FM 955 LLB2	734	36.80	11.45	5.71	1.12	82.90	28.60	7.30	4.90
DG 06064 B2RF	725	36.57	8.78	4.85	1.00	82.23	27.35	8.10	4.15
ST 5283 RF	713	39.34	8.48	4.30	1.06	82.60	30.48	8.40	4.93
ST 5327 B2RF	680	39.77	8.55	4.22	1.05	83.43	30.65	8.53	4.63
DPLX 06W650F	655	38.63	9.15	4.58	1.07	82.60	29.08	7.60	4.45
FM 9063 B2F	652	36.03	11.00	5.30	1.13	82.80	30.75	7.40	4.33
ST 5599 BR	609	38.69	10.20	5.37	1.02	81.88	29.08	7.73	5.20
DG 0A265 BR	486	36.29	10.60	5.37	1.08	83.10	34.05	8.30	4.48
MISCOT 0146-18 ne	444	36.54	9.45	4.95	1.07	82.48	30.10	8.00	4.75
FM 965 LLB2	439	36.81	11.10	5.28	1.11	83.40	33.68	7.70	4.73
MEAN	752	38.44	9.55	5.07	1.07	82.41	30.00	7.78	4.77
LSD (.10)	144	1.13	0.71	0.52	0.03	0.86	1.65	0.32	0.31
CV (%)	15.87	2.50	6.35	8.52	2.73	0.89	4.67	3.50	5.50
R-square	0.66	0.87	0.82	0.61	0.68	0.54	0.77	0.79	0.66
REPS	4	4	4	4	4	4	4	4	4

Planted on 05/16/2006, Harvested on 09/28/2006.  
All values represent least square means.

**Table 28. Rainfall and Agronomics Information for Clarksdale, Delta Region.**

**Rainfall Summary**

	Inches
April.....	5.44
May.....	5.15
June.....	1.07
July.....	1.39
August.....	1.77
September.....	3.92
<b>Total.....</b>	<b>18.74</b>



Soil Type.....	Dubbs Soil
Herbicide Applications.....	Round Up @ 22oz. (3-15-06).(5-17-06). Select @ 8oz. Staple @ 1.2 oz. (6-9-06). Select @ 10oz. Staple @ 1.2 oz. (6-22-06). Orthene @ 1/3 lb. (5-30-06).(6-9-06). Karate @ 1-200.(6-9-06). Orthene @ 1/2 lb. (6-16-06).
Insecticide Applications....	Karate @ 1-70 lb. (6-16-06). Centric @ 2oz. (6-24-06).(7-16-06). Orthene @ 2/3 lb. (7-6-06). Steward @ 10 oz. (7-25-06).
Irrigation.....	Non-Irrigated
Planting Date.....	May 17, 2006
Harvest Date.....	October 3, 2006

Table 29. Clarksdale, MS location of the Delta Region Early Maturity Test in the 2006 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 454 BG/RR	1564	44.30	8.58	5.09	1.02	82.75	27.85	7.23	4.90
PHY 310 R	1548	44.05	8.98	5.01	0.99	81.98	29.23	8.05	5.38
ST 5599 BR	1531	40.90	10.38	5.97	1.06	81.95	29.78	7.53	5.42
ST 4664 RF	1464	41.02	8.90	5.06	1.06	82.78	29.63	8.48	5.08
PHY 485 WRF	1389	41.24	8.45	4.54	1.06	83.13	30.58	8.78	4.95
DP 434 RR	1334	43.66	8.78	4.95	1.10	82.80	27.13	7.70	4.90
DP 444 BG/RR	1325	40.65	9.68	4.64	1.08	83.10	28.70	7.53	4.53
DP 393	1312	41.57	9.38	4.77	1.10	83.48	30.33	8.70	5.23
ST 4575 BR	1311	41.05	9.25	4.96	1.06	82.98	30.95	8.75	4.98
PHY 425 WRF	1301	41.05	8.68	4.75	1.07	82.70	30.05	8.50	5.25
ST 5242 BR	1292	41.51	10.10	5.29	1.04	82.43	26.90	7.35	4.85
DP 432 RR	1280	42.54	8.45	4.64	1.04	82.85	29.28	8.10	5.13
DP 455 BG/RR	1245	42.72	8.48	4.84	1.07	81.38	31.05	7.50	4.58
DP 143 B2RF	1236	39.64	9.38	5.01	1.17	81.93	28.18	7.28	4.48
ST 4427 B2RF	1217	40.36	9.15	4.70	1.07	83.00	29.63	7.53	5.03
PHY 370 WR	1215	42.02	9.13	5.01	1.02	82.98	29.98	8.10	5.20
DP 445 BG/RR	1211	40.66	9.28	5.10	1.11	83.63	30.83	8.50	4.78
ST 4554 B2RF	1197	40.17	9.20	5.01	1.07	82.45	30.70	8.65	5.10
PHY 470 WR	1148	40.51	9.45	4.68	1.06	83.68	31.05	8.83	5.00
DP 110 RF	1139	39.33	9.00	4.77	1.06	82.80	33.60	8.78	4.93
ST 4700 B2RF	1124	40.39	8.60	3.84	1.05	82.73	25.98	7.85	4.88
DP 555 BG/RR	1118	44.06	8.43	5.02	1.06	82.05	27.40	6.80	5.10
PHY 480 WR	1110	39.17	8.73	4.30	1.10	83.83	31.35	8.75	4.78
DG 2242 B2RF	1107	39.90	8.70	4.45	1.08	83.05	25.88	7.90	4.63
FM 960 BR	1085	40.06	10.00	5.57	1.04	83.20	33.10	7.40	5.03
BW-4630 B2F	1080	40.31	9.23	4.37	1.09	82.00	26.25	7.60	4.73
CG 3520 B2RF	1074	39.59	8.85	4.31	1.08	82.95	25.38	7.48	4.63
FM 960 B2R	1062	40.11	9.98	5.59	1.08	82.55	32.05	7.10	4.93
DG 2100 B2RF	1041	40.12	9.50	4.78	1.05	83.20	27.43	7.80	4.55
BW-4021 B2F	1023	38.65	9.38	4.77	1.08	82.55	26.78	7.60	4.48
BW-3255 B2F	1016	39.56	9.60	4.94	1.08	83.43	26.65	7.65	4.65
ST 4357 B2RF	1013	40.10	9.28	4.76	1.10	82.80	26.58	7.63	4.65
DP 147 RF	1002	39.69	9.28	5.14	1.14	82.43	29.83	7.45	4.63
CG 4020 B2RF	984	40.64	9.50	4.73	1.11	83.05	25.68	7.35	4.68
BW-2038 B2F	980	39.77	8.80	4.32	1.05	82.38	26.40	7.80	4.60
DP 117 B2RF	970	39.96	9.23	4.95	1.05	82.73	31.83	8.10	4.85
CG 3020 B2RF	920	38.57	9.38	4.64	1.06	82.83	26.98	7.78	4.43
DG 2215 B2RF	871	38.38	9.20	4.82	1.07	83.20	26.33	7.43	4.38
MEAN	1180	40.74	9.16	4.84	1.07	82.78	28.87	7.88	4.85
LSD (.10)	200	0.95	0.47	0.46	0.03	0.80	1.22	0.28	0.24
CV (%)	14.51	1.99	4.34	7.92	2.34	0.83	3.61	3.03	4.27
R-square	0.59	0.83	0.67	0.59	0.70	0.45	0.86	0.88	0.71
REPS	4	4	4	4	4	4	4	4	4

Planted on 05/17/2006, Harvested on 10/03/2006.

All values represent least square means.

Table 30. Clarksdale, MS location of the Delta Region Mid Maturity Test in the 2006 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 494 RR	1275	41.17	9.55	5.20	1.13	83.63	31.30	7.80	5.23
ST 5599 BR	1265	41.06	10.68	5.54	1.05	82.58	31.15	7.83	5.45
DP 147 RF	1235	42.22	9.08	5.31	1.14	82.40	30.05	7.38	4.73
DP 143 B2RF	1227	39.73	9.18	5.14	1.16	82.95	27.68	7.28	4.70
DP 454 BG/RR	1224	43.96	9.40	4.56	1.04	82.43	29.88	7.38	4.63
DP 164 B2RF	1212	40.46	8.70	4.99	1.11	82.25	30.90	7.60	5.03
FM 960 BR	1191	39.86	9.28	6.09	1.08	83.30	35.98	7.90	5.20
DG 2520 B2RF	1177	39.33	9.50	4.77	1.11	82.45	27.28	7.58	4.55
DP 167 RF	1127	40.78	9.70	4.76	1.11	82.60	29.43	7.50	4.98
FM 800 B2R	1117	38.94	10.10	5.73	1.14	82.83	32.10	7.38	4.70
DP 445 BG/RR	1114	41.93	9.65	4.83	1.11	83.73	32.73	8.95	4.88
DP 455 BG/RR	1099	42.23	9.45	4.66	1.09	82.35	30.45	7.25	4.60
BW-8391 B2F	1093	37.67	9.55	4.96	1.14	83.78	29.20	8.00	4.48
ST 6622 RF	1039	38.44	9.53	4.32	1.09	83.03	32.48	7.55	4.70
DP 444 BG/RR	1037	41.43	8.83	4.80	1.09	83.08	29.10	7.83	4.88
DG N2429 CONV.	1021	39.23	9.88	4.33	1.07	83.38	33.33	8.95	5.23
DP 515 BG/RR	1001	42.36	8.95	5.09	1.03	81.93	27.88	7.18	5.23
DP 555 BG/RR	981	44.86	9.68	4.67	1.05	81.75	28.20	6.80	5.00
PHY 745 WRF	957	39.43	9.73	4.54	1.10	83.15	32.70	8.55	4.53
ST 6611 B2RF	896	36.66	9.78	4.48	1.09	83.10	33.33	7.68	4.83
DP 488 BG/RR	885	41.08	9.28	4.69	1.10	82.63	29.33	7.58	5.25
ST 6565 B2RF	830	38.31	9.88	4.37	1.11	82.60	30.95	7.25	4.85
DP 449 BG/RR	816	39.47	9.58	4.43	1.06	82.63	30.98	7.58	4.95
MEAN	1079	40.46	9.52	4.89	1.09	82.80	30.71	7.68	4.89
LSD (.10)	244	1.30	1.01	0.53	0.04	0.91	1.86	0.39	0.24
CV (%)	19.18	2.72	9.01	9.05	2.98	0.93	5.13	4.30	4.21
R-square	0.38	0.82	0.53	0.60	0.62	0.40	0.74	0.79	0.70
REPS	4	4	4	4	4	4	4	4	4

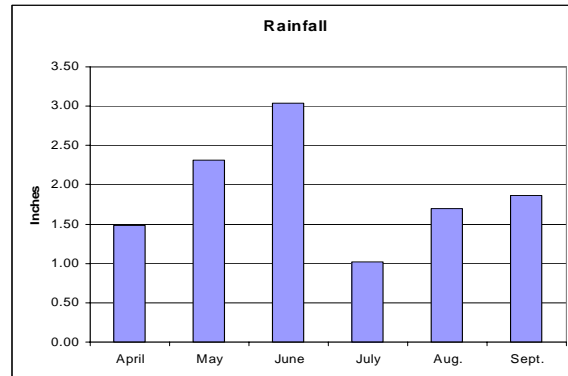
Planted on 05/17/2006 , Harvested on 10/03/2006.

All values represent least square means.

**Table 31. Rainfall and Agronomics Information for Rolling Fork, Delta Region.**

Rainfall Summary

	Inches
April.....	1.48
May.....	2.31
June.....	3.04
July.....	1.02
August.....	1.70
September.....	1.86
<b>Total.....</b>	<b>11.41</b>



Soil Type..... Sharkey-alligator clay

Herbicide applications..... Cotoran @ 1pt/A, Staple @ .06oz/A. (5-16-06). Staple @ 1.2 oz/A. (6-21-06). Diuron 1 qt/A., MSMA @ 1 qt/A. (7-11-06).

Insecticide Applications..... Temik @ 5 lb/A. (5-16-06).

Irrigation..... June 19, 2006. July 3, 2006. July 10, 2006. July 24, 2006. August 2, 2006.

Planting Date..... April 24, 2006

Harvest Date..... October 2, 2006

Table 32. Rolling Fork, MS location of the Delta Region Early Maturity Test in the 2006 Mississippi State University Cotton Variety Trial grown on a Commerce 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 555 BG/RR	1109	45.31	6.95	4.53	1.03	81.10	23.18	6.20	4.98
DP 147 RF	1072	40.43	8.50	5.92	1.08	82.30	25.55	6.70	4.23
PHY 480 WR	1005	39.99	8.83	5.28	1.05	82.85	27.38	8.05	4.60
DP 445 BG/RR	999	39.91	8.55	5.45	1.06	82.95	28.18	7.90	4.13
ST 4427 B2RF	995	41.51	8.30	4.65	1.03	82.35	25.60	7.15	4.63
PHY 485 WRF	989	40.72	7.98	4.58	1.03	82.23	25.15	7.88	4.58
PHY 370 WR	971	43.49	8.53	4.52	0.99	81.60	25.98	7.28	4.60
DP 454 BG/RR	969	41.98	8.03	4.88	1.01	82.00	23.93	6.75	4.10
BW-3255 B2F	956	38.06	8.35	5.42	1.00	81.45	23.90	6.90	3.85
DP 393	949	42.02	8.50	4.62	1.04	82.70	28.20	8.25	5.08
DP 432 RR	946	41.96	8.50	5.47	1.04	82.93	28.00	8.05	4.88
PHY 470 WR	942	40.06	8.33	4.03	1.03	82.35	26.05	7.83	4.48
DP 110 RF	940	42.29	8.23	4.82	1.04	82.55	29.25	7.80	4.65
CG 3020 B2RF	917	36.63	8.90	4.86	1.01	82.25	24.75	7.28	3.85
DP 434 RR	913	44.01	8.05	4.80	1.06	82.65	24.75	7.20	4.43
ST 4575 BR	897	38.67	8.53	4.99	1.01	82.45	28.00	8.50	4.55
ST 4357 B2RF	887	40.18	8.40	4.55	1.03	82.48	22.73	6.83	4.15
DG 2100 B2RF	876	38.76	8.13	4.27	0.99	81.80	23.68	6.90	4.03
ST 4664 RF	876	42.24	8.20	4.15	1.01	81.95	26.95	8.50	4.63
PHY 310 R	858	43.95	8.20	4.85	0.99	81.45	26.45	7.33	4.58
FM 960 B2R	855	39.39	10.40	5.10	1.08	81.90	28.35	6.60	4.58
ST 4554 B2RF	831	39.44	8.20	4.87	1.02	81.70	27.65	8.15	4.35
CG 4020 B2RF	828	39.98	8.43	4.95	1.04	82.00	23.48	6.85	4.28
DP 117 B2RF	823	40.72	8.48	5.39	1.00	81.55	26.08	7.05	4.55
DG 2215 B2RF	808	36.95	8.50	4.57	1.01	82.08	23.90	7.10	3.88
DP 143 B2RF	808	38.44	8.28	5.28	1.11	81.43	23.73	6.65	4.23
DP 455 BG/RR	795	43.12	7.90	4.44	1.05	81.03	25.88	6.65	4.55
BW-4630 B2F	786	40.65	8.85	4.55	1.02	81.93	24.43	7.15	4.23
BW-4021 B2F	785	36.97	8.13	4.56	1.03	81.20	23.43	6.90	3.75
DP 444 BG/RR	776	41.93	8.53	4.67	1.03	82.25	25.38	7.18	4.03
ST 5242 BR	769	41.16	9.73	5.03	1.01	81.65	24.75	6.98	4.25
CG 3520 B2RF	768	39.21	7.45	5.09	1.01	81.28	23.78	7.13	4.03
PHY 425 WRF	763	41.31	8.48	5.42	1.04	82.33	27.40	8.00	4.78
FM 960 BR	747	40.37	9.78	4.96	1.03	82.43	30.15	6.90	4.48
BW-2038 B2F	735	38.60	7.98	4.40	1.02	81.80	24.08	7.23	4.45
ST 5599 BR	718	39.85	9.72	5.29	1.05	81.03	26.88	7.00	4.58
ST 4700 B2RF	717	38.41	7.73	4.29	1.02	81.18	22.13	7.10	4.08
DG 2242 B2RF	678	38.31	7.98	4.29	1.03	81.28	23.70	7.38	4.18
MEAN	870	40.45	8.43	4.83	1.03	81.96	25.60	7.30	4.37
LSD (.10)	178	1.54	0.55	0.78	0.03	0.88	1.44	0.38	0.39
CV (%)	17.24	3.24	5.61	12.86	2.46	0.91	4.80	4.49	7.67
R-square	0.46	0.78	0.72	0.43	0.63	0.46	0.78	0.81	0.58
REPS	4	4	4	4	4	4	4	4	4

Planted on 04/16/2006, Harvested on 09/20/2006.  
All values represent least square means.

Table 33. Rolling Fork, MS location of the Delta Region Mid Maturity Test in the 2006 Mississippi State University Cotton Variety Trial grown on a Commerce 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 515 BG/RR	1174	42.41	8.00	5.27	1.02	82.25	25.68	6.70	4.75
BW-8391 B2F	1093	37.65	9.13	5.07	1.10	82.88	26.00	7.53	4.40
DP 143 B2RF	1057	38.60	8.68	4.67	1.10	80.65	25.28	6.65	4.53
DP 454 BG/RR	1053	43.35	8.10	4.76	1.01	81.88	26.20	6.80	4.38
DP 147 RF	1049	40.89	8.55	4.89	1.13	82.00	25.88	6.75	4.73
DP 494 RR	1045	42.12	8.63	4.92	1.08	82.93	28.70	7.65	5.05
ST 5599 BR	1008	40.36	9.93	5.67	1.05	81.85	27.80	7.00	4.75
DP 444 BG/RR	1001	41.13	8.70	5.01	1.03	82.30	26.13	7.10	4.25
DP 488 BG/RR	990	41.42	8.30	5.22	1.07	81.58	26.48	6.90	4.43
FM 960 BR	968	39.39	9.98	5.48	1.05	82.45	31.68	7.05	4.83
DP 445 BG/RR	955	40.52	8.63	4.79	1.04	82.75	28.90	8.20	4.65
DP 555 BG/RR	946	43.28	7.48	4.83	1.05	81.50	25.65	6.40	4.93
DP 455 BG/RR	946	42.70	8.03	4.52	1.04	81.68	27.98	6.55	4.33
DP 449 BG/RR	891	37.66	7.70	4.31	1.03	81.98	26.68	6.65	4.50
DP 164 B2RF	887	38.71	8.18	5.48	1.05	81.58	26.48	6.85	4.75
PHY 745 WRF	835	39.71	9.45	4.81	1.08	82.73	29.58	8.15	4.28
FM 800 B2R	827	39.68	9.85	5.18	1.11	82.75	29.80	7.10	4.55
DG 2520 B2RF	784	38.84	8.63	4.54	1.01	81.73	25.43	6.80	4.53
DP 167 RF	784	40.36	7.93	4.58	1.04	81.95	26.83	6.85	4.68
ST 6611 B2RF	763	35.77	8.63	4.71	1.04	81.98	29.30	6.90	4.70
ST 6622 RF	751	37.96	8.08	4.91	1.04	82.63	28.58	7.08	4.83
ST 6565 B2RF	715	40.52	7.58	4.92	1.07	81.98	27.53	6.75	4.55
DG N2429 CONV.	682	38.96	8.88	4.92	1.04	83.28	30.33	8.28	5.15
MEAN	922	40.09	8.56	4.91	1.06	82.14	27.51	7.07	4.63
LSD (.10)	148	1.40	0.54	0.99	0.03	0.90	1.44	0.37	0.31
CV (%)	13.58	2.96	5.39	16.11	2.16	0.92	4.43	4.41	5.76
R-square	0.64	0.79	0.77	0.24	0.75	0.46	0.76	0.81	0.58
REPS	4	4	4	4	4	4	4	4	4

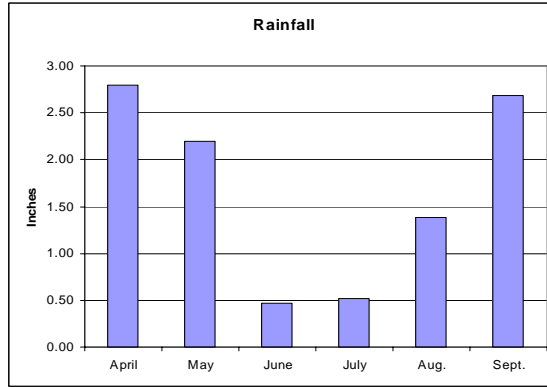
Planted on 04/18/2006 , Harvested on 09/20/2006.  
All values represent least square means.



**Table 34. Rainfall and Agronomics Information for Tribbett, Delta Region.**

**Rainfall Summary**

	Inches
April.....	2.80
May.....	2.20
June.....	0.47
July.....	0.52
August.....	1.38
September.....	2.68
<b>Total.....</b>	<b>10.05</b>



Soil Type.....	Forestdale-like Silty Clay Loam Soil
Fertilizer Added.....	UAN (32% N) @ 1.86 cwt. (4-14-06).
Herbicide applications.....	Preemergence - Glystar Plus @ 2pt. (4-24-06). Staple XL @ 1.3 oz., Cotoran 4L @ 1.2 pt. (5-4-06). Caparol 4L @ 1.1 pt., MSMA 6.6 @ 2.7 pt. (6-21-06). Diuron 4L @ 1.6 pt.(6-28-06). Bidrin 8L @ 2oz. (5-24-06). Trimax @ 1oz.(6-6-06). Centric 40WG @ 2oz.(6-14-06). Centric 40WG @ 1.5 oz. (6-28-06).
Insecticide Applications.....	Orthene 90S @ 1lb.(7-7-06). Orthene 90S @ .75 lb., Kelthane MF @ 1.5pt.(7-20-06). Karate Z @ 6.4 oz., Trimax @ 1.5 oz (7-28-06). Orthene 90S @ .5 lb., Ammo 2.5 EC @ 2 oz. (8-8-06).
Irrigation.....	July 5, 2006. July 20, 2006.
Planting Date.....	May 3, 2006
Harvest Date.....	September 27, 2006

Table 35. Tribbett, MS location of the Delta Region Early Maturity Test in the 2006 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 434 RR	921	41.16	8.95	4.35	1.13	82.95	25.75	7.60	4.58
DP 393	868	39.31	8.85	4.73	1.07	83.05	29.23	8.30	4.73
PHY 425 WRF	816	38.76	9.08	4.43	1.09	83.43	27.98	8.45	5.08
ST 4427 B2RF	801	37.33	9.05	4.55	1.08	82.28	28.13	7.38	4.65
ST 4357 B2RF	784	37.39	9.48	4.46	1.12	82.23	25.23	7.20	4.30
CG 3020 B2RF	770	36.78	9.63	4.32	1.07	82.70	26.05	7.65	4.18
DG 2242 B2RF	766	36.65	9.00	4.43	1.08	81.58	25.08	7.43	4.40
BW-2038 B2F	764	36.96	8.85	4.54	1.10	82.33	24.63	7.28	4.40
DP 147 RF	761	39.04	9.60	4.68	1.16	82.63	26.55	7.05	4.75
CG 4020 B2RF	744	37.47	9.53	4.41	1.10	82.48	26.28	7.18	4.48
ST 4664 RF	740	38.25	8.98	4.64	1.08	83.08	28.55	8.48	4.68
DP 110 RF	738	38.50	9.48	4.72	1.09	83.33	31.80	8.35	4.95
DP 454 BG/RR	724	40.91	8.60	4.39	1.04	82.15	27.50	7.30	4.68
DP 117 B2RF	719	39.70	9.68	4.64	1.09	82.43	28.88	7.65	4.95
ST 5599 BR	701	38.15	10.50	4.91	1.10	82.53	27.83	7.38	5.05
ST 5242 BR	701	39.83	11.03	4.68	1.07	82.98	27.50	7.58	4.78
FM 960 BR	698	37.41	11.25	4.86	1.09	82.68	33.45	7.63	5.08
DG 2100 B2RF	695	35.27	9.48	4.25	1.06	82.85	26.45	7.78	4.05
PHY 485 WRF	693	38.76	8.80	4.37	1.09	83.48	27.80	8.20	4.78
BW-4630 B2F	693	37.44	9.58	4.36	1.10	82.40	25.48	7.45	4.35
BW-4021 B2F	693	36.21	9.33	4.54	1.08	82.40	25.73	7.60	4.23
ST 4700 B2RF	692	37.24	9.08	4.80	1.08	82.58	24.93	7.40	4.43
BW-3255 B2F	689	37.04	9.53	4.43	1.07	82.60	25.95	7.63	4.33
DP 432 RR	681	36.88	8.55	4.22	1.06	82.53	28.98	8.10	5.00
CG 3520 B2RF	670	36.29	9.23	4.66	1.10	82.68	25.35	7.28	4.40
ST 4554 B2RF	663	37.92	9.13	4.23	1.09	82.75	28.38	8.45	4.78
DP 444 BG/RR	650	38.68	9.45	4.30	1.08	82.65	26.63	7.30	4.38
FM 960 B2R	644	37.30	11.55	4.78	1.14	82.95	31.70	7.35	4.95
DP 445 BG/RR	637	39.20	8.98	4.53	1.08	83.95	28.83	8.25	4.73
DG 2215 B2RF	630	35.78	9.08	4.42	1.06	81.83	26.28	7.55	4.18
PHY 370 WR	614	39.10	9.15	4.60	1.06	82.85	29.63	8.15	4.90
PHY 470 WR	607	38.63	9.83	4.17	1.09	83.70	28.40	8.60	4.68
PHY 310 R	594	39.50	8.98	4.52	1.02	82.23	29.20	7.85	4.78
DP 455 BG/RR	589	39.52	8.78	4.62	1.09	81.83	27.90	7.28	4.55
ST 4575 BR	586	38.74	9.43	4.43	1.06	82.90	28.45	8.40	4.68
DP 143 B2RF	578	38.81	9.68	4.76	1.18	82.63	25.93	7.05	4.75
PHY 480 WR	514	37.22	9.25	4.64	1.12	83.43	28.20	8.35	4.68
DP 555 BG/RR	446	41.17	7.90	4.42	1.08	81.85	26.98	6.80	4.83
MEAN	692	38.17	9.37	4.52	1.09	82.68	27.57	7.70	4.63
LSD (.10)	127	0.99	0.46	0.40	0.03	0.81	1.21	0.34	0.21
CV (%)	15.61	2.20	4.18	7.53	2.31	0.84	3.73	3.75	3.95
R-square	0.50	0.80	0.82	0.30	0.66	0.44	0.84	0.80	0.76
REPS	4	4	4	4	4	4	4	4	4

Planted on 05/03/2006, Harvested on 09/27/2006.  
All values represent least square means.

Table 36. Tribbett, MS location of the Delta Region Mid Maturity Test in the 2006 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
BW-8391 B2F	862	36.28	9.08	4.11	1.09	82.55	26.03	7.28	4.68
DP 515 BG/RR	860	42.33	8.08	4.07	1.06	82.10	26.63	6.98	4.95
DP 147 RF	812	40.20	8.70	4.19	1.12	82.10	26.18	6.75	4.98
DP 167 RF	804	41.88	7.83	4.46	1.05	81.88	26.48	7.15	4.83
DP 445 BG/RR	787	39.67	8.65	4.29	1.06	82.75	29.08	8.65	4.78
DP 488 BG/RR	781	40.36	8.88	4.67	1.10	82.15	26.63	7.28	4.90
ST 5599 BR	760	40.13	9.38	4.93	1.05	82.10	27.55	7.23	5.08
DP 143 B2RF	750	39.10	8.73	4.30	1.13	81.70	25.28	6.70	4.65
DP 455 BG/RR	749	41.96	7.95	4.28	1.06	81.55	27.80	6.65	4.38
DP 444 BG/RR	739	41.23	8.83	4.06	1.03	82.28	25.80	7.43	4.70
DG 2520 B2RF	713	37.61	8.88	4.18	1.09	82.18	24.18	7.20	4.45
ST 6622 RF	696	37.91	8.48	4.25	1.07	82.20	29.83	7.43	4.95
DP 449 BG/RR	693	38.26	8.13	4.07	1.05	82.50	28.40	7.20	4.90
FM 960 BR	671	38.92	9.70	5.11	1.04	82.00	29.40	6.95	5.18
ST 6611 B2RF	671	34.96	8.53	3.83	1.08	82.48	29.65	7.10	4.78
DP 454 BG/RR	660	41.74	7.45	3.88	1.01	81.40	25.13	6.75	4.55
DP 494 RR	659	42.31	8.53	4.86	1.08	82.05	28.85	7.78	5.13
DP 164 B2RF	654	38.45	8.20	4.21	1.08	82.48	26.35	6.95	4.80
FM 800 B2R	594	38.43	10.33	4.83	1.16	83.33	29.08	7.38	4.80
DG N2429 CONV.	541	37.92	8.85	3.72	1.04	83.20	29.80	8.50	5.25
DP 555 BG/RR	488	42.89	7.10	4.42	1.05	81.75	26.63	6.60	4.85
ST 6565 B2RF	486	35.42	7.75	3.92	1.08	81.98	28.33	6.80	4.63
PHY 745 WRF	466	39.05	9.68	4.25	1.08	82.53	29.78	8.35	4.55
MEAN	692	39.44	8.59	4.31	1.07	82.23	27.51	7.26	4.81
LSD (.10)	133	1.44	0.59	0.46	0.04	0.88	1.40	0.34	0.21
CV (%)	16.21	3.10	5.86	8.76	3.36	0.90	4.32	3.96	3.68
R-square	0.61	0.82	0.76	0.59	0.57	0.36	0.74	0.84	0.69
REPS	4	4	4	4	4	4	4	4	4

Planted on 05/03/2006, Harvested on 09/27/2006.

All values represent least square means.

Table 37. Tribbett, MS location of the Delta Region New Entry Test in the 2006 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		
DX 25105N	848	40.28	9.08	5.38	1.06	82.48	29.23	8.05	5.05
FM 960 BR	789	38.03	10.45	5.04	1.11	83.13	30.78	7.53	4.83
DG 06064 B2RF	786	37.46	8.48	4.29	1.00	82.00	26.30	8.05	4.05
ST 5283 RF	783	39.65	8.20	4.01	1.03	82.63	29.58	8.15	4.93
FM 9068 F	778	38.33	10.48	5.01	1.12	81.95	30.23	7.68	4.85
DP 121 RF	770	41.17	8.28	4.41	1.04	82.68	28.20	7.93	4.95
ST 5599 BR	756	39.79	10.20	4.52	1.06	82.15	29.15	7.55	5.10
ST 5327 B2RF	745	40.40	8.10	3.81	1.04	82.30	29.78	8.40	4.78
FM 9063 B2F	729	37.56	10.58	5.34	1.11	81.75	31.40	7.50	4.85
FM 955 LLB2	712	35.58	11.18	5.15	1.13	82.45	29.60	7.58	4.83
FM 9060 F	711	39.40	10.13	4.55	1.13	81.45	27.30	6.85	4.83
FM 966 LL	705	38.46	10.95	5.12	1.10	82.68	33.25	7.63	5.13
DP 444 BG/RR	702	39.37	9.40	4.55	1.03	82.20	29.48	7.53	4.73
DX 34102	632	40.81	8.98	5.28	1.05	81.60	27.43	7.73	4.95
DP 555 BG/RR	594	42.28	7.18	5.15	1.04	81.40	27.00	6.78	5.00
MISCOT 0141-15 ne	582	38.92	9.80	4.71	1.05	82.53	31.08	8.10	5.15
MISCOT 0141-14 ne	581	38.76	9.88	5.13	1.07	82.00	28.75	7.38	5.05
CT-LINWOOD	566	37.17	8.30	4.41	1.03	81.85	29.35	7.83	5.13
CT-210	547	37.18	8.13	4.38	1.04	81.65	29.75	7.85	5.38
DPLX 06W650F	515	38.72	9.25	4.55	1.06	82.03	28.90	7.68	4.88
FM 965 LLB2	478	36.11	11.28	5.49	1.11	82.78	31.20	7.30	4.80
DG 0A265 BR	428	36.44	10.35	4.70	1.12	82.88	33.75	8.00	4.30
MISCOT 0146-18 ne	390	38.37	8.85	4.53	1.07	82.88	29.68	7.70	4.85
MEAN	659	38.71	9.45	4.75	1.07	82.23	29.61	7.68	4.88
LSD (.10)	99	0.88	0.66	0.67	0.03	0.80	2.11	0.30	0.20
CV (%)	12.55	1.93	5.91	11.11	2.77	0.82	6.03	3.34	3.55
R-square	0.77	0.87	0.85	0.50	0.70	0.44	0.59	0.77	0.77
REPS	4	4	4	4	4	4	4	4	4

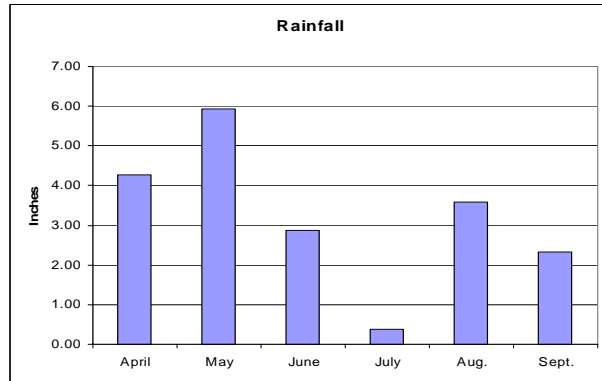
Planted on 05/03/2006, Harvested on 09/27/2006.

All values represent least square means.

**Table 38. Rainfall and Agronomics Information for Tunica, Delta Region.**

Rainfall Summary

	Inches
April.....	4.28
May.....	5.94
June.....	2.87
July.....	0.39
August.....	3.59
September.....	2.33
<b>Total.....</b>	<b>19.40</b>



Soil Type.....	Sharkey-alligator clay
Herbicide applications.....	Cotoran @ 1pt/A, Staple @ .06oz/A. (5-16-06). Staple @ 1.2 oz/A. (6-21-06). Diuron 1 qt/A., MSMA @ 1 qt/A. (7-11-06).
Insecticide Applications.....	Temik @ 5 lb/A. (5-16-06).
Irrigation.....	June 19, 2006. July 3, 2006. July 10, 2006. July 24, 2006. August 2, 2006.
Planting Date.....	April 24, 2006
Harvest Date.....	October 2, 2006

Table 39. Tunica, MS location of the Delta Region Early Maturity Test in the 2006 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			Micronaire mic
						Index %	Strength g/tex	Elongation %	
DP 432 RR	1827	42.27	9.95	4.97	1.12	83.78	30.63	8.70	5.50
ST 5599 BR	1795	40.83	11.10	6.10	1.13	83.28	29.30	7.58	5.22
ST 4575 BR	1762	40.80	10.68	5.75	1.13	83.93	30.08	9.03	5.05
DP 454 BG/RR	1755	43.35	9.00	5.23	1.07	82.50	27.45	7.10	4.80
ST 4664 RF	1738	41.04	9.60	5.48	1.11	83.65	29.38	8.35	5.00
PHY 480 WR	1737	40.39	10.33	4.84	1.14	84.70	29.73	8.45	5.15
PHY 485 WRF	1722	40.62	9.55	4.80	1.13	84.20	30.03	8.65	5.23
DP 455 BG/RR	1711	42.53	9.20	4.91	1.13	82.43	30.68	7.20	4.48
PHY 310 R	1696	43.05	9.98	5.56	1.08	83.48	30.13	8.10	5.10
DP 445 BG/RR	1689	41.79	9.83	5.29	1.14	84.10	29.30	8.15	4.88
DP 555 BG/RR	1684	42.80	8.78	4.82	1.14	82.23	28.98	6.95	5.03
DP 147 RF	1672	40.29	10.18	5.53	1.21	84.05	29.50	7.30	4.78
PHY 470 WR	1671	39.86	10.45	5.21	1.10	83.63	29.90	8.68	5.05
PHY 425 WRF	1650	41.12	9.98	5.02	1.16	84.40	30.10	8.70	5.33
ST 4554 B2RF	1639	40.08	10.65	5.50	1.13	83.68	30.20	8.75	5.03
ST 5242 BR	1624	41.44	11.98	6.53	1.10	83.50	27.48	7.58	5.13
DP 117 B2RF	1618	41.03	10.08	5.73	1.13	83.45	30.70	7.85	5.15
DP 110 RF	1615	40.14	10.28	5.54	1.16	84.23	32.80	8.38	5.13
ST 4357 B2RF	1609	39.29	10.15	5.20	1.16	83.58	26.55	7.48	4.55
FM 960 BR	1609	40.09	11.75	6.33	1.14	83.75	33.05	7.58	4.98
ST 4700 B2RF	1602	39.56	10.08	4.58	1.13	83.43	25.28	7.53	4.75
PHY 370 WR	1598	42.27	10.23	5.25	1.09	83.80	30.20	8.10	5.20
DP 393	1588	41.26	9.98	5.46	1.14	84.25	30.55	8.65	5.20
CG 3520 B2RF	1561	39.03	9.68	4.67	1.14	83.88	26.53	7.70	4.83
ST 4427 B2RF	1550	40.35	10.30	5.24	1.14	83.80	30.98	7.80	5.08
DP 143 B2RF	1539	39.51	10.13	5.34	1.23	83.75	27.65	7.23	4.88
CG 4020 B2RF	1532	39.81	10.23	5.14	1.16	83.60	27.05	7.80	4.65
DG 2215 B2RF	1530	38.42	10.03	4.97	1.12	83.20	26.48	7.48	4.45
DP 434 RR	1530	42.40	9.95	5.50	1.15	83.28	27.25	7.63	4.75
DG 2100 B2RF	1452	37.51	10.50	5.00	1.11	83.60	26.58	7.78	4.53
BW-4630 B2F	1425	39.80	10.18	5.14	1.15	83.58	27.23	7.68	4.60
DP 444 BG/RR	1413	40.45	10.28	5.29	1.14	84.08	28.30	7.48	4.45
DG 2242 B2RF	1392	39.30	9.90	4.79	1.13	83.33	26.65	7.70	4.78
FM 960 B2R	1382	39.42	12.33	5.99	1.17	84.08	31.85	7.25	5.08
BW-2038 B2F	1373	39.39	9.48	4.43	1.14	83.10	26.10	7.65	4.65
CG 3020 B2RF	1309	38.55	10.50	5.20	1.13	83.88	27.08	7.80	4.50
BW-4021 B2F	1284	37.96	9.75	4.87	1.11	83.20	27.63	7.48	4.55
BW-3255 B2F	1243	37.56	9.98	5.09	1.11	83.40	27.28	7.60	4.48
MEAN	1582	40.4	10.18	5.28	1.13	83.62	28.86	7.86	4.89
LSD (.10)	230	1.17	0.57	0.33	0.03	0.81	1.14	0.32	0.26
CV (%)	12.41	2.48	4.73	5.33	2.13	0.83	3.38	3.50	4.55
R-square	0.44	0.75	0.75	0.78	0.69	0.47	0.84	0.84	0.69
REPS	4	4	4	4	4	4	4	4	4

Planted on 04/24/2006, Harvested on 10/02/2006.

All values represent least square means.

Table 40. Tunica, MS location of the Delta Region Mid Maturity Test in the 2006 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
DP 454 BG/RR	1719	44.73	9.08	4.90	1.08	83.08	27.18	6.90	4.70
DP 494 RR	1616	41.58	10.25	5.87	1.21	84.88	31.98	7.85	5.08
DP 445 BG/RR	1584	41.29	10.38	5.43	1.16	84.75	29.55	8.10	4.83
ST 5599 BR	1579	40.84	11.83	6.52	1.13	83.33	30.45	7.60	5.33
DP 515 BG/RR	1574	42.42	9.73	5.18	1.15	83.85	30.23	7.68	5.20
DP 147 RF	1516	39.77	10.53	5.91	1.23	83.80	29.63	7.13	4.65
DP 555 BG/RR	1493	43.20	8.60	5.19	1.13	82.58	29.70	7.03	5.03
DG N2429 CONV.	1480	40.37	10.83	4.89	1.13	84.55	33.28	8.88	5.53
BW-8391 B2F	1473	37.39	10.83	5.25	1.20	84.80	28.33	7.95	4.85
DP 488 BG/RR	1467	40.24	10.60	5.93	1.19	84.25	29.60	7.68	5.10
DP 455 BG/RR	1455	41.50	9.70	5.29	1.18	83.83	29.83	7.08	4.45
DP 143 B2RF	1451	39.44	10.80	5.60	1.22	83.45	27.65	7.03	4.63
DP 167 RF	1403	39.41	9.93	5.30	1.21	83.90	30.40	7.60	4.75
DP 164 B2RF	1382	39.09	9.73	5.10	1.22	84.23	30.20	7.60	4.83
DP 449 BG/RR	1372	39.12	9.78	5.02	1.15	84.10	30.88	7.45	4.98
DG 2520 B2RF	1371	39.99	10.63	5.32	1.18	84.18	26.68	7.45	4.65
ST 6611 B2RF	1315	37.30	10.03	5.11	1.16	83.85	32.25	7.58	5.00
DP 444 BG/RR	1312	40.71	10.55	5.53	1.13	83.63	28.78	7.60	4.55
PHY 745 WRF	1254	38.74	10.88	5.72	1.17	84.70	31.95	8.55	4.70
FM 960 BR	1228	39.56	11.38	6.16	1.13	83.35	34.15	7.55	4.95
ST 6622 RF	1222	38.64	10.00	4.99	1.16	84.05	32.35	7.65	4.98
ST 6565 B2RF	1209	36.64	9.73	5.04	1.17	83.88	31.20	7.38	5.03
FM 800 B2R	972	39.12	11.70	6.45	1.22	84.98	30.80	7.33	4.98
MEAN	1410	40.05	10.32	5.46	1.17	84.00	30.30	7.59	4.90
LSD (.10)	188	0.97	0.68	0.31	0.03	0.92	1.32	0.28	0.21
CV (%)	11.22	2.05	5.58	4.87	1.92	0.93	3.70	3.14	3.62
R-square	0.60	0.88	0.71	0.81	0.80	0.45	0.80	0.85	0.74
REPS	4	4	4	4	4	4	4	4	4

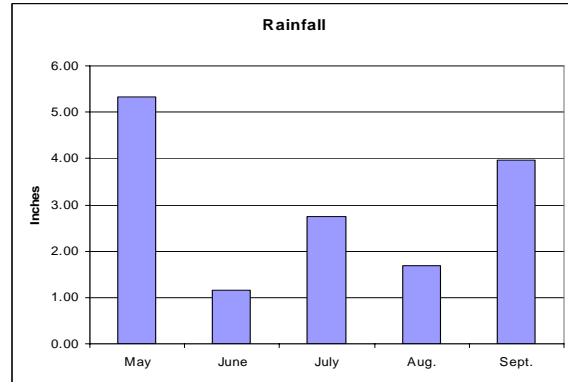
Planted on 04/24/2006 , Harvested on 10/02/2006.

All values represent least square means.

**Table 41. Rainfall and Agronomics Information for Brooksville, Hill Region.**

Rainfall Summary

	Inches
April.....	n/a
May.....	5.33
June.....	1.16
July.....	2.74
August.....	1.69
September.....	3.96
<b>Total.....</b>	<b>14.88</b>



Soil Type..... Silty Clay Soil  
 Fertilizer Added..... K2O @ 40 lb/a. (4-1-2006). Grade A Lime @ 2 tons/a. (4-25-2006). N-sol @ 50lb/a. (6-6-2006).  
 Herbicide applications..... Staple @ 0.6 oz/a.(5-9-2006). Staple @ 4.8 oz/a. (6-1-2006). Fusilade @ 10 oz/a. (6-6-2006).  
 Insecticide Applications ..... Bidrin @ 8 oz/a.(6-16-2006). Centric @ 2 oz/a. (7-11-2006).  
 Irrigation..... Non-Irrigated  
 Planting Date..... May 4, 2006  
 Harvest Date..... October 7, 2006



Table 42. Brooksville, MS location of the Hill Region Early Maturity Test in the 2006 Mississippi State University Cotton Variety Trial grown on a Silty Clay 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 393	1298	43.23	9.58	4.88	1.12	83.73	30.78	8.75	5.20
ST 5599 BR	1230	42.82	9.63	5.52	1.08	82.40	27.98	7.18	4.85
PHY 310 R	1212	44.35	8.98	4.95	1.05	82.93	30.20	8.25	5.05
DP 455 BG/RR	1182	45.29	8.10	4.34	1.10	82.60	28.98	7.20	4.48
ST 4664 RF	1181	43.14	8.75	4.70	1.07	82.83	29.15	8.55	5.08
ST 5242 BR	1180	42.89	10.33	5.51	1.08	83.10	25.98	7.48	4.73
PHY 470 WR	1176	42.83	9.25	4.29	1.07	84.28	29.13	8.60	4.83
PHY 370 WR	1172	43.70	8.95	5.02	1.05	82.68	30.18	8.30	5.00
DP 555 BG/RR	1166	44.53	8.03	4.80	1.07	81.68	26.63	6.80	4.88
DP 445 BG/RR	1125	43.47	9.25	4.98	1.10	83.85	28.85	8.30	4.78
DP 147 RF	1121	42.08	9.00	4.92	1.15	82.83	27.40	6.90	4.53
DP 454 BG/RR	1113	45.55	8.88	4.54	1.04	82.15	26.88	6.95	4.45
ST 4575 BR	1102	43.48	9.05	4.63	1.06	83.10	29.18	9.03	5.03
PHY 485 WRF	1094	42.74	8.68	4.34	1.08	83.68	30.10	8.65	4.88
DP 432 RR	1087	42.34	8.60	4.35	1.09	83.60	29.75	8.45	4.85
PHY 480 WR	1078	41.76	9.08	4.65	1.08	83.93	29.53	8.60	4.98
PHY 425 WRF	1068	41.96	9.48	5.43	1.09	83.83	30.10	8.90	5.20
CG 3520 B2RF	1067	41.59	8.63	4.45	1.11	83.45	24.50	7.58	4.38
ST 4427 B2RF	1064	42.10	9.20	4.32	1.08	82.78	28.55	7.50	4.63
CG 3020 B2RF	1050	42.09	9.48	4.77	1.07	83.35	25.98	7.63	4.58
BW-2038 B2F	1044	40.64	9.03	4.17	1.11	83.38	25.13	7.75	4.50
DP 434 RR	1042	43.78	9.43	5.08	1.13	83.30	26.80	7.80	4.75
ST 4700 B2RF	1039	41.24	8.98	4.10	1.11	83.13	24.93	7.78	4.38
DP 110 RF	1035	42.26	9.20	4.66	1.08	83.08	33.30	8.75	5.05
DP 444 BG/RR	1032	42.92	8.98	4.39	1.09	83.78	28.10	7.53	4.30
FM 960 BR	1031	41.88	9.65	5.13	1.08	83.05	32.85	7.53	4.45
DG 2215 B2RF	1030	40.61	8.90	4.44	1.09	83.35	25.58	7.45	4.23
DP 143 B2RF	1023	41.05	8.78	4.64	1.15	82.40	26.28	7.10	4.28
DG 2242 B2RF	1020	41.36	8.60	4.33	1.10	83.10	25.78	7.75	4.45
DG 2100 B2RF	1020	41.02	9.15	4.68	1.09	83.98	26.28	7.85	4.35
ST 4554 B2RF	992	42.33	9.03	4.84	1.10	83.10	29.53	8.78	5.03
ST 4357 B2RF	985	42.33	8.83	4.49	1.10	82.68	26.08	7.55	4.55
BW-4630 B2F	980	41.86	9.18	4.46	1.12	83.15	25.33	7.45	4.30
CG 4020 B2RF	925	41.60	8.78	4.52	1.12	83.48	25.40	7.53	4.45
DP 117 B2RF	923	42.22	9.33	4.63	1.08	83.03	30.13	7.60	4.80
BW-3255 B2F	869	42.65	8.98	4.73	1.06	83.18	25.65	7.60	4.45
FM 960 B2R	855	41.66	10.03	5.12	1.11	82.93	29.70	6.90	4.40
BW-4021 B2F	850	40.62	9.05	4.38	1.10	83.28	25.68	7.63	4.13
MEAN	1064	42.47	9.07	4.68	1.09	83.16	27.95	7.84	4.66
LSD (.10)	120	0.98	0.53	0.58	0.02	0.75	1.35	0.29	0.23
CV (%)	9.53	1.97	4.95	10.53	1.83	0.77	4.11	3.16	4.24
R-square	0.61	0.74	0.59	0.43	0.71	0.50	0.84	0.90	0.76
REPS	4	4	4	4	4	4	4	4	4

Planted on 05/04/2006, Harvested on 10/07/2006.

All values represent least square means.

Table 43. Brooksville, MS location of the Hill Region Mid Maturity Test in the 2006 Mississippi State University Cotton Variety Trial grown on a Brooksville Silty Clay 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 488 BG/RR	1297	41.77	8.70	4.69	1.14	83.23	28.90	7.73	4.88
DP 455 BG/RR	1272	45.84	7.93	4.13	1.09	82.60	29.45	7.50	4.90
DP 494 RR	1252	43.33	9.10	4.51	1.13	83.55	30.65	8.00	5.18
DP 555 BG/RR	1250	44.48	8.13	4.34	1.08	82.33	27.93	7.05	4.70
ST 5599 BR	1241	42.50	9.98	5.38	1.08	83.03	29.75	7.70	5.15
DP 449 BG/RR	1217	41.59	8.63	4.39	1.09	83.35	31.85	8.00	4.85
DP 445 BG/RR	1212	43.31	9.40	4.80	1.10	84.25	30.60	8.60	4.63
DP 147 RF	1203	42.28	9.10	4.93	1.15	83.43	29.18	7.40	4.68
DP 515 BG/RR	1182	44.07	7.88	4.25	1.07	82.45	29.55	7.63	4.98
DP 454 BG/RR	1177	43.64	8.50	4.09	1.05	82.75	28.50	7.48	4.28
DP 167 RF	1174	41.07	9.08	4.22	1.14	83.00	29.63	7.80	4.75
DP 143 B2RF	1162	41.72	9.43	4.75	1.16	82.55	27.93	7.28	4.38
BW-8391 B2F	1152	40.46	9.30	4.32	1.16	84.03	27.13	7.95	4.55
DG N2429 CONV.	1140	42.40	9.80	4.14	1.08	83.53	31.63	8.85	5.38
DP 164 B2RF	1137	41.15	8.83	4.28	1.13	83.08	28.73	7.58	4.65
FM 960 BR	1125	41.67	9.95	5.08	1.10	83.13	33.05	7.48	4.45
ST 6622 RF	1120	41.54	8.45	4.17	1.11	83.73	31.80	7.90	4.93
DP 444 BG/RR	1062	44.12	9.28	4.39	1.09	83.55	27.63	7.63	4.48
ST 6611 B2RF	1033	39.69	8.78	3.87	1.12	83.58	30.55	7.45	4.53
PHY 745 WRF	1027	42.07	9.50	4.34	1.11	83.53	31.18	8.78	4.48
ST 6565 B2RF	997	39.66	8.50	4.06	1.14	83.80	29.90	7.45	4.55
DG 2520 B2RF	991	42.24	8.93	4.32	1.12	83.45	25.98	7.68	4.68
FM 800 B2R	951	41.63	9.88	4.99	1.16	84.13	30.23	7.50	4.15
MEAN	1147	42.27	9.00	4.45	1.11	83.30	29.64	7.76	4.70
LSD (.10)	121	0.96	0.59	0.29	0.02	0.67	1.19	0.27	0.22
CV (%)	8.94	1.92	5.54	5.53	1.81	0.68	3.41	2.95	4.04
R-square	0.58	0.83	0.68	0.77	0.77	0.55	0.79	0.84	0.77
REPS	4	4	4	4	4	4	4	4	4

Planted on 05/04/2006 , Harvested on 10/07/2006.

All values represent least square means.

Table 44. Brooksville, MS location of the Hill Region New Entry Test in the 2006 Mississippi State University Cotton Variety Trial grown on a Silty Clay 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	1233	43.58	8.25	4.11	1.08	83.05	31.33	8.65	4.90
DX 25105N	1188	42.79	9.68	4.93	1.11	83.40	29.70	7.95	5.18
ST 5599 BR	1185	42.62	9.58	5.19	1.08	82.15	30.40	7.63	4.93
CT-210	1138	41.29	8.10	4.17	1.07	81.55	29.08	7.85	5.20
CT-LINWOOD	1131	42.98	8.48	4.20	1.05	83.08	31.73	8.20	5.45
DP 555 BG/RR	1130	44.36	7.98	4.46	1.05	81.63	28.05	7.15	5.00
FM 955 LLB2	1104	40.17	10.68	4.98	1.15	82.93	29.55	7.48	4.60
FM 966 LL	1078	41.26	10.18	4.96	1.10	83.18	34.55	7.48	4.75
MISCOT 0141-15 ne	1076	41.38	9.98	4.96	1.08	83.25	31.25	8.05	5.38
DPLX 06W650F	1074	42.88	9.15	4.56	1.08	82.85	29.78	7.85	4.85
ST 5327 B2RF	1065	44.35	8.15	4.07	1.09	82.13	30.13	8.15	4.53
DX 34102	1062	43.70	9.68	5.08	1.11	83.45	29.10	8.05	5.25
DP 444 BG/RR	1060	43.70	9.00	4.43	1.09	82.95	28.80	7.73	4.53
MISCOT 0146-18 ne	1053	41.22	9.23	4.62	1.11	83.08	31.70	7.95	4.83
FM 960 BR	1043	41.44	9.88	5.12	1.07	82.90	32.80	7.40	4.55
DG 0A265 BR	1033	40.56	10.70	5.06	1.13	83.28	36.50	8.20	4.50
MISCOT 0141-14 ne	1025	41.95	9.65	4.62	1.09	82.15	30.03	7.63	4.95
FM 9068 F	1022	41.33	10.15	4.90	1.12	82.98	30.58	7.53	4.50
DG 06064 B2RF	1009	41.23	8.90	4.29	1.08	83.15	27.30	8.15	4.05
FM 965 LLB2	959	40.12	9.88	4.38	1.11	82.73	33.05	7.48	4.30
DP 121 RF	955	44.29	8.75	4.47	1.06	82.98	31.13	8.65	5.28
FM 9063 B2F	847	40.91	9.78	4.99	1.13	82.35	31.50	7.50	4.50
FM 9060 F	825	41.92	9.70	4.68	1.13	82.13	27.58	6.50	4.33
MEAN	1056	42.17	9.37	4.66	1.09	82.75	30.68	7.79	4.80
LSD (.10)	121	0.78	0.34	0.28	0.02	0.70	1.35	0.26	0.21
CV (%)	9.72	1.58	3.05	5.07	1.62	0.72	3.73	2.80	3.71
R-square	0.58	0.85	0.91	0.76	0.76	0.55	0.83	0.87	0.86
REPS	4	4	4	4	4	4	4	4	4

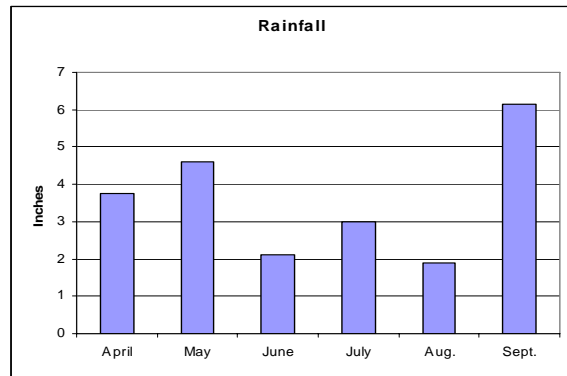
Planted on 05/04/2006, Harvested on 10/07/2006.

All values represent least square means.

**Table 45. Rainfall and Agronomics Information for Verona, Hill Region.**

Rainfall Summary

	Inches
April.....	3.74
May.....	4.61
June.....	2.11
July.....	2.98
August.....	1.89
September.....	6.16
<b>Total.....</b>	<b>21.49</b>



Soil Type..... Leeper Fine Sandy Loam

Fertilizer Added..... 200 lb/A 0-0-60 +100 lb/A 0-46-0. (10-25-05). 90 lb N/A of 32% UAN. (6-6-06).

Herbicide applications..... Preemergence - Round Up WMAX @ 2.5 pt/A. (3-8-06). Round Up WMAX @ 2.25 pt/A. (3-30-06). Gramaxone @ 2.5 pt/A, Flomet @ 1.6 pt, Dual Magnum @ 1.0 pt, Staple @ 0.6 oz/A. (5-4-06). Postemergence - Staple + surfactant @ 1.2 oz & 0.25 pt/A. (6-8-06). Envoke @ 0.1 oz/A. (6-27-06). Layby Pro 1.5 pt/A. (7-17-06).

Insecticide Applications... Orthene @ 0.25 lb/A. (5-25-06). Bidrin @ 8 oz/A. (6-15-06). Bidrin @ 8oz/A. (6-22-06). Tracer @ 2.9 oz/A + Battery @ 3.6 oz/A. (6-29-06). Tracer @ 2.9 oz/A + Centric @ 2.0 oz/A. (7-17-06). Tracer @ 2.9 oz/A + Ammo @ 5.2 oz/A. (7-20-06).

Irrigation..... Non-Irrigated

Planting Date..... May 2, 2006

Harvest Date..... September 21, 2006

Table 46. Verona , MS location of the Hill Region Early Maturity Test in the 2006 Mississippi State University Cotton Variety Trial grown on a Leeper 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 480 WR	1541	41.86	9.20	4.10	1.14	84.58	31.08	8.70	4.75
ST 5242 BR	1465	43.31	9.90	5.56	1.10	82.70	27.33	7.45	4.68
DP 147 RF	1437	43.04	8.73	4.72	1.17	82.60	28.98	7.20	4.55
PHY 425 WRF	1370	43.37	8.83	4.10	1.09	83.55	30.73	8.80	5.03
DP 393	1362	43.91	8.93	4.84	1.13	84.30	30.18	8.45	4.93
PHY 310 R	1352	44.80	9.10	4.33	1.07	82.70	30.33	7.98	4.55
PHY 370 WR	1350	45.12	9.68	4.93	1.07	82.63	30.18	8.05	4.93
PHY 470 WR	1345	43.36	9.33	4.18	1.10	84.10	30.13	8.73	4.88
ST 4575 BR	1313	43.48	8.63	4.56	1.09	83.18	30.83	8.85	4.65
DP 454 BG/RR	1302	45.15	8.23	4.12	1.05	82.90	28.75	7.20	4.15
ST 5599 BR	1287	43.14	9.43	5.12	1.07	82.18	30.93	7.65	4.98
PHY 485 WRF	1263	44.26	7.90	3.89	1.07	83.45	30.13	8.63	4.93
DP 445 BG/RR	1254	44.21	9.10	4.52	1.10	83.28	31.08	8.50	4.75
ST 4664 RF	1253	43.61	8.25	4.31	1.09	83.20	30.78	8.40	4.55
ST 4427 B2RF	1202	43.06	8.33	3.89	1.09	82.60	29.65	7.45	4.60
DP 432 RR	1196	43.93	8.68	3.87	1.06	82.65	29.60	8.10	4.98
DP 110 RF	1186	42.53	8.75	4.87	1.07	83.13	33.83	8.70	4.98
DP 143 B2RF	1180	41.46	8.60	4.66	1.15	82.53	27.18	7.03	4.18
DP 455 BG/RR	1171	45.14	8.18	4.22	1.10	82.50	30.23	7.10	4.28
DP 555 BG/RR	1170	45.50	8.58	4.48	1.07	81.78	27.58	6.70	5.18
ST 4554 B2RF	1168	43.13	8.45	3.94	1.07	82.68	29.58	8.65	4.70
DP 444 BG/RR	1158	43.97	8.98	4.69	1.10	83.23	28.90	7.58	4.23
FM 960 BR	1126	41.98	9.33	4.73	1.09	83.15	33.48	7.38	4.33
DP 117 B2RF	1063	42.23	8.93	4.18	1.09	82.30	31.83	7.75	4.48
ST 4357 B2RF	1054	42.28	8.83	4.19	1.12	82.90	26.73	7.25	4.30
DG 2215 B2RF	1045	40.73	8.80	4.18	1.10	82.95	27.25	7.45	4.08
DP 434 RR	1037	45.13	8.43	4.82	1.14	83.35	26.75	7.48	4.75
BW-2038 B2F	1010	40.89	8.25	3.73	1.12	83.03	25.70	7.55	4.18
ST 4700 B2RF	1000	41.83	8.60	3.77	1.10	82.55	26.10	7.58	4.40
CG 3020 B2RF	984	41.12	9.08	4.28	1.08	82.80	26.90	7.58	4.10
FM 960 B2R	971	41.46	10.23	5.07	1.11	82.60	32.28	7.10	4.40
BW-4630 B2F	954	42.54	9.25	4.31	1.12	82.85	26.45	7.38	4.45
DG 2242 B2RF	950	41.22	8.25	3.90	1.10	82.28	26.55	7.60	4.33
CG 3520 B2RF	950	40.80	8.63	3.88	1.12	82.78	26.68	7.45	4.05
BW-3255 B2F	946	41.75	8.88	4.41	1.09	83.08	27.58	7.73	4.30
CG 4020 B2RF	907	42.16	8.38	4.09	1.11	82.55	26.35	7.30	4.15
BW-4021 B2F	901	40.43	8.48	4.38	1.10	82.93	26.98	7.53	4.08
DG 2100 B2RF	825	42.26	8.43	4.18	1.08	83.63	27.20	7.85	4.28
MEAN	1159	42.90	8.80	4.38	1.10	82.95	29.02	7.78	4.53
LSD (.10)	142	0.89	0.73	0.37	0.02	0.76	1.39	0.34	0.31
CV (%)	10.42	1.77	7.09	6.99	1.80	0.78	4.08	3.68	5.76
R-square	0.78	0.82	0.48	0.72	0.68	0.52	0.82	0.85	0.69
REPS	4	4	4	4	4	4	4	4	4

Planted on 05/02/2006 , Harvested on 09/21/2006.

All values represent least square means.

Table 47. Verona, MS location of the Hill Region Mid Maturity Test in the 2006 Mississippi State University Cotton Variety Trial grown on a Leeper 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 555 BG/RR	1347	44.60	7.23	4.42	1.09	82.48	28.23	7.05	4.80
ST 5599 BR	1295	41.77	9.55	5.49	1.10	83.03	29.93	7.60	4.90
DP 147 RF	1273	42.46	8.68	4.83	1.15	83.05	29.58	7.23	4.33
DP 515 BG/RR	1273	42.90	7.93	4.26	1.11	83.05	30.13	7.50	4.68
DP 488 BG/RR	1239	40.81	8.83	4.64	1.13	82.55	29.28	7.43	4.58
DP 455 BG/RR	1234	44.23	7.70	4.21	1.11	81.90	29.73	7.28	4.20
DP 494 RR	1209	42.17	8.53	4.75	1.14	83.33	30.45	7.53	4.50
DP 143 B2RF	1106	40.91	8.68	4.69	1.18	82.20	27.78	7.05	4.30
ST 6565 B2RF	1097	38.63	8.03	4.25	1.13	82.98	30.80	7.40	4.00
DG N2429 CONV.	1049	41.66	8.98	4.25	1.09	83.93	32.10	8.70	5.20
DP 449 BG/RR	1020	40.74	8.15	4.14	1.11	83.03	30.15	7.45	4.33
DP 164 B2RF	1017	41.43	7.85	4.50	1.12	82.55	28.05	7.23	4.43
PHY 745 WRF	1008	41.83	9.28	4.50	1.10	83.03	32.65	8.73	4.35
ST 6622 RF	995	40.83	7.78	3.81	1.11	83.00	30.98	7.35	4.35
DP 167 RF	960	41.93	8.18	4.32	1.13	83.35	29.70	7.33	4.58
DP 444 BG/RR	931	41.98	8.68	4.53	1.11	83.18	27.53	7.23	3.80
DP 454 BG/RR	916	43.53	7.93	4.02	1.08	83.18	27.83	7.03	3.78
BW-8391 B2F	901	39.06	8.83	4.18	1.16	83.98	27.58	7.63	4.03
ST 6611 B2RF	901	39.33	8.05	3.73	1.12	82.90	30.68	7.20	4.20
FM 800 B2R	900	41.25	9.65	5.28	1.17	84.40	31.18	7.40	4.25
DP 445 BG/RR	892	42.10	8.33	4.27	1.13	84.10	30.48	8.20	4.13
FM 960 BR	845	41.01	9.53	4.54	1.10	82.75	34.18	7.55	4.10
DG 2520 B2RF	834	41.80	8.45	4.52	1.12	83.05	26.50	7.38	4.33
MEAN	1054	41.61	8.47	4.45	1.12	83.08	29.80	7.50	4.35
LSD (.10)	156	1.00	0.43	0.37	0.02	0.80	1.14	0.26	0.29
CV (%)	12.52	2.04	4.26	6.77	1.77	0.82	3.23	2.99	5.67
R-square	0.71	0.80	0.81	0.72	0.73	0.54	0.85	0.87	0.73
REPS	4	4	4	4	4	4	4	4	4

Planted on 05/02/2006, Harvested on 09/21/2006.

All values represent least square means.

Table 48. Verona, MS location of the Hill Region New Entry Test in the 2006 Mississippi State University Cotton Variety Trial grown on a Leeper 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 555 BG/RR	1323	45.54	7.60	4.35	1.10	82.45	28.38	7.00	4.93
MISCOT 0141-15 ne	1268	41.65	9.25	4.91	1.09	83.13	32.88	8.10	4.90
DP 121 RF	1155	44.89	8.33	4.55	1.07	83.50	28.70	8.15	5.03
ST 5599 BR	1142	41.91	9.53	5.42	1.10	83.53	30.63	7.63	4.68
MISCOT 0141-14 ne	1127	41.80	9.23	4.88	1.10	83.03	30.30	7.75	4.75
DP 444 BG/RR	1121	43.59	8.58	4.38	1.10	83.58	28.60	7.63	3.90
DPLX 06W650F	1120	42.23	8.90	4.62	1.10	83.18	29.03	7.63	4.43
ST 5327 B2RF	1110	43.66	8.03	3.68	1.07	82.98	30.58	8.05	4.25
FM 9060 F	1101	42.78	9.35	4.76	1.14	82.23	27.33	6.50	4.23
DX 25105N	1099	43.17	8.60	4.95	1.10	82.40	28.68	7.70	4.58
FM 960 BR	1080	41.74	9.68	4.98	1.08	83.10	33.58	7.43	4.25
ST 5283 RF	1066	43.59	8.18	4.06	1.10	83.08	30.13	7.95	4.38
FM 966 LL	1052	41.07	9.95	4.89	1.11	83.63	34.28	7.53	4.45
DX 34102	1038	44.05	9.00	4.68	1.08	82.83	28.90	7.70	4.88
FM 9068 F	1021	41.07	10.08	5.07	1.11	82.58	31.73	7.58	4.43
FM 965 LLB2	1016	40.02	10.03	4.61	1.12	82.90	30.93	7.00	4.18
CT-LINWOOD	1007	43.75	8.30	4.10	1.06	83.20	32.50	8.35	5.20
FM 955 LLB2	1003	39.50	10.25	4.99	1.16	84.00	28.05	7.25	4.65
DG 0A265 BR	1000	40.16	9.83	4.95	1.13	83.53	36.00	8.10	4.38
MISCOT 0146-18 ne	998	41.13	8.55	4.34	1.09	83.10	31.98	8.00	4.58
DG 06064 B2RF	973	41.67	8.48	4.39	1.06	82.98	27.38	8.10	3.85
FM 9063 B2F	966	41.16	10.20	4.84	1.14	82.63	31.48	7.33	4.33
CT-210	948	40.67	7.88	4.26	1.09	83.05	30.43	7.80	4.53
MEAN	1075	42.21	9.03	4.64	1.10	83.07	30.54	7.68	4.51
LSD (.10)	133	1.13	0.50	0.29	0.02	0.74	1.44	0.23	0.29
CV (%)	10.52	2.26	4.72	5.14	1.62	0.76	4.00	2.59	5.53
R-square	0.61	0.79	0.83	0.78	0.74	0.40	0.82	0.87	0.73
REPS	4	4	4	4	4	4	4	4	4

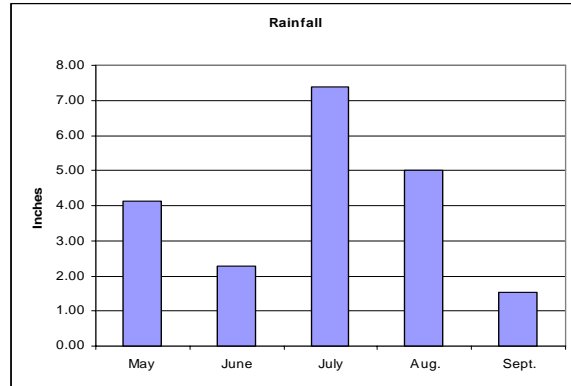
Planted on 05/02/2006, Harvested on 09/21/2006.

All values represent least square means.

**Table 49. Rainfall and Agronomics Information for Raymond, Hill Region.**

Rainfall Summary

	Inches
April.....	n/a
May.....	4.14
June.....	2.28
July.....	7.38
August.....	5.00
September.....	1.52
<b>Total.....</b>	<b>20.32</b>



Soil Type.....	Loring Silt Loam
Soil Fertility.....	P = 94. K = 199
Fertilizer Added.....	100 units N
Herbicide Applications.....	Round up @ 22 oz/A.(5-3-06). Staple @ 1.5 oz/A. (5-23-06). Envoke @ .15 g/A. (6-6-06).Select @ 8 oz/A. (6-19-06)(7-18-06). Centric @ 8 oz/A, Vydate @ 11 oz/A. (7-7-06). Centric @ 2 oz/A. (7-13-06).
Insecticide Applications.....	Orthene @ .5 lb/A. (7-27-06). Diamond @ 6 oz/A., Karate @ 2 oz/A., Orthene @ .75 lb/A. (8-11-06).
Irrigation.....	Non-irrigated
Planting Date.....	May 2, 2006
Harvest Date.....	October 4, 2006



Table 50. Raymond, MS location of the Hill Region Early Maturity Test in the 2006 Mississippi State University Cotton Variety Trial grown on a Loring Silt 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		
DP 555 BG/RR	2028	45.13	7.80	4.81	1.09	82.25	27.63	6.75	5.08
DP 110 RF	1886	41.66	9.83	4.88	1.11	83.93	32.50	8.05	4.90
ST 5599 BR	1876	41.78	10.63	5.84	1.11	83.00	29.73	7.28	5.25
DP 147 RF	1866	41.54	9.30	5.35	1.19	83.58	28.75	7.00	4.83
PHY 425 WRF	1862	41.84	8.90	4.69	1.10	83.93	30.18	8.25	5.05
PHY 485 WRF	1838	42.31	8.80	4.42	1.11	83.38	29.08	8.10	5.10
PHY 310 R	1799	44.42	9.38	5.05	1.06	83.63	30.33	7.80	5.08
DP 454 BG/RR	1796	44.70	8.58	4.55	1.07	83.55	27.40	6.95	4.55
PHY 470 WR	1760	41.44	9.80	4.67	1.11	84.40	29.68	8.55	5.03
ST 4427 B2RF	1726	41.45	9.08	4.76	1.09	83.30	29.05	7.28	5.08
DP 143 B2RF	1724	39.18	9.40	5.11	1.21	83.23	27.93	6.98	4.53
PHY 480 WR	1719	41.47	9.08	4.44	1.11	84.50	28.80	7.85	5.03
DP 393	1702	42.42	9.43	4.88	1.12	84.83	31.70	8.73	5.13
PHY 370 WR	1688	42.67	9.35	4.91	1.07	83.33	29.43	7.68	5.03
ST 5242 BR	1677	42.63	10.35	6.05	1.08	83.95	27.13	7.33	4.93
DP 445 BG/RR	1641	42.00	9.20	5.01	1.12	83.90	30.43	8.10	4.88
ST 4664 RF	1632	41.58	9.25	4.89	1.09	84.03	30.25	8.50	4.88
DP 434 RR	1615	43.31	8.80	5.10	1.14	83.40	27.50	7.43	4.55
DP 432 RR	1611	41.47	9.28	4.84	1.09	83.98	30.40	8.10	5.30
DP 455 BG/RR	1608	42.51	8.90	4.65	1.11	83.23	29.20	7.18	4.65
FM 960 B2R	1604	40.12	9.83	5.33	1.15	83.43	31.70	7.25	4.75
ST 4357 B2RF	1589	40.35	9.05	4.54	1.08	82.55	27.73	7.43	4.90
ST 4554 B2RF	1569	40.37	9.20	4.71	1.10	83.28	30.88	8.68	5.00
DP 444 BG/RR	1558	42.85	9.43	4.92	1.08	83.15	28.38	7.25	4.55
FM 960 BR	1504	40.56	10.55	5.51	1.09	83.25	34.38	7.48	4.90
ST 4575 BR	1502	41.71	9.05	4.91	1.08	83.20	30.53	8.55	4.95
CG 4020 B2RF	1482	40.24	9.28	4.56	1.12	83.80	27.03	7.10	4.48
DG 2100 B2RF	1402	39.24	8.83	4.52	1.07	83.30	26.98	7.43	4.30
BW-4630 B2F	1383	41.00	8.80	4.46	1.11	82.95	26.08	6.95	4.55
DG 2215 B2RF	1337	37.56	8.93	4.71	1.12	83.70	26.90	7.35	4.18
CG 3020 B2RF	1331	40.35	8.95	4.27	1.08	83.35	26.05	7.50	4.25
DP 117 B2RF	1316	41.99	9.60	5.17	1.10	83.68	31.28	7.80	4.95
DG 2242 B2RF	1312	39.35	8.70	4.03	1.12	83.58	25.73	7.28	4.40
ST 4700 B2RF	1312	39.06	9.28	4.48	1.10	82.83	27.40	7.15	4.48
CG 3520 B2RF	1295	39.21	9.05	4.28	1.11	83.23	25.60	7.08	4.38
BW-4021 B2F	1266	38.44	9.13	4.26	1.11	83.63	26.88	7.35	4.15
BW-2038 B2F	1259	39.68	8.70	4.11	1.11	83.05	26.83	7.35	4.35
BW-3255 B2F	1239	39.40	8.70	4.61	1.09	83.23	27.10	7.55	4.43
MEAN	1587	41.24	9.21	4.80	1.10	83.48	28.80	7.59	4.76
LSD (.10)	195	0.98	0.72	0.40	0.02	0.87	1.39	0.31	0.29
CV (%)	10.46	2.02	6.65	7.07	1.63	0.89	4.11	3.45	5.21
R-square	0.70	0.85	0.54	0.70	0.81	0.40	0.80	0.87	0.69
REPS	4	4	4	4	4	4	4	4	4

Planted on 05/02/2006 , Harvested on 10/03/2006.

All values represent least square means.

Table 51. Raymond, MS location of the Hill Region Mid Maturity Test in the 2006 Mississippi State University Cotton Variety Trial grown on a Loring Silt Loam Soil.

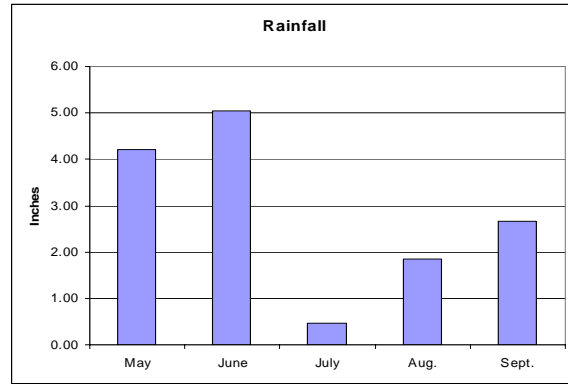
Variety	Lint Yield lb/a	Lint Percent %	Seed Index g	Boll Size g	Length inch	Uniformity			
						Index %	Strength g/tex	Elongation %	Micronaire mic
DP 515 BG/RR	2190	44.10	8.58	4.96	1.11	84.05	29.88	7.90	5.15
DP 555 BG/RR	2085	44.52	8.28	5.11	1.11	83.63	29.50	7.40	5.00
DP 494 RR	2031	42.58	9.38	5.22	1.15	84.63	31.58	8.05	4.93
DP 488 BG/RR	1985	41.57	9.28	5.54	1.14	84.20	31.35	7.95	5.05
DP 454 BG/RR	1967	44.77	9.33	5.17	1.11	83.95	28.48	7.35	4.83
ST 5599 BR	1921	41.75	10.28	5.99	1.13	83.78	29.53	7.35	4.80
DP 147 RF	1852	40.94	9.65	5.24	1.18	83.88	29.80	7.28	4.98
DG N2429 CONV.	1825	40.64	9.75	5.14	1.15	85.05	31.98	8.15	5.10
ST 6565 B2RF	1822	38.20	8.55	4.87	1.13	83.98	31.03	7.43	4.98
DP 455 BG/RR	1821	43.77	8.78	4.94	1.15	83.55	31.25	7.48	4.70
FM 960 BR	1809	40.77	10.50	5.65	1.12	83.88	32.63	7.48	4.90
DP 143 B2RF	1787	39.84	9.23	5.04	1.17	82.93	28.80	7.05	4.78
ST 6622 RF	1780	41.47	8.90	4.70	1.13	83.53	30.90	7.53	5.15
DP 444 BG/RR	1774	42.20	9.13	5.13	1.11	84.28	30.10	7.75	5.20
DP 445 BG/RR	1729	42.17	8.98	5.37	1.13	83.93	29.90	7.53	4.78
DP 164 B2RF	1723	39.34	9.18	5.02	1.14	83.50	29.15	7.28	4.80
DP 167 RF	1706	40.35	9.25	5.34	1.11	83.80	29.05	7.23	4.85
DG 2520 B2RF	1627	40.62	9.18	4.67	1.12	83.13	29.28	7.35	4.85
ST 6611 B2RF	1603	38.64	8.98	4.90	1.12	83.65	30.08	7.43	4.93
FM 800 B2R	1596	39.99	10.70	5.22	1.15	83.85	31.43	7.53	4.90
PHY 745 WRF	1581	40.39	9.68	5.41	1.13	83.90	30.95	7.98	4.93
BW-8391 B2F	1575	37.45	9.60	4.96	1.16	84.28	30.18	7.60	4.80
DP 449 BG/RR	1549	39.78	9.35	4.93	1.13	83.60	30.43	7.33	4.98
MEAN	1797	41.12	9.32	5.15	1.13	83.87	30.31	7.54	4.93
LSD (.10)	158	0.87	0.66	0.42	0.04	0.94	2.34	0.55	0.37
CV (%)	7.48	1.78	6.00	6.99	3.34	0.95	6.54	6.20	6.32
R-square	0.73	0.91	0.61	0.50	0.27	0.31	0.31	0.35	0.22
REPS	4	4	4	4	4	4	4	4	4

Planted on 05/02/2006, Harvested on 10/02/2006.

**Table 52. Rainfall and Agronomics Information for Nesbit, Hill Region.**

Rainfall Summary

	Inches
April.....	n/a
May.....	4.21
June.....	5.04
July.....	0.47
August.....	1.86
September.....	2.66
<b>Total.....</b>	<b>14.24</b>



Soil Type..... Collins Silt Loam  
 Herbicide applications..... Cotoran @ 1pt/A, Staple @ .06oz/A. (5-16-06). Staple @ 1.2 oz/A. (6-21-06). Diuron 1 qt/A., MSMA 1 qt/A. (7-11-06).  
 Insecticide Applications..... Temik @ 5 lb/A. (5-16-06).  
 Irrigation..... Non-irrigated  
 Planting Date..... May 16, 2006  
 Harvest Date..... October 9, 2006

Table 53. Nesbit , MS location of the Hill Region Early Maturity Test in the 2006 Mississippi State University Cotton Variety Trial grown on a Collins Silt 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 4427 B2RF	1211	42.27	8.88	4.12	1.09	83.13	28.75	7.55	4.73
ST 4664 RF	1183	42.85	8.68	4.39	1.03	82.25	29.68	8.83	4.78
PHY 310 R	1169	43.73	9.28	4.45	1.04	82.83	30.05	8.25	5.00
DP 555 BG/RR	1148	45.69	7.73	4.17	1.06	81.90	27.13	6.80	5.03
ST 4575 BR	1138	41.42	9.00	4.57	1.08	83.63	30.35	8.73	4.48
BW-2038 B2F	1101	40.55	9.58	3.47	1.10	83.05	25.13	7.80	4.38
PHY 370 WR	1086	43.31	9.60	4.52	1.06	82.85	31.00	8.30	4.85
DP 117 B2RF	1078	42.11	9.40	4.78	1.09	82.75	31.48	8.00	4.70
DP 445 BG/RR	1071	42.67	8.83	4.17	1.08	83.18	30.13	8.50	4.25
DP 454 BG/RR	1056	45.38	7.95	3.90	1.02	82.28	26.50	7.00	4.10
DP 444 BG/RR	1025	42.91	9.35	4.20	1.09	83.55	27.48	7.80	4.40
ST 5242 BR	1022	43.39	10.90	4.92	1.05	83.15	27.13	7.58	5.15
PHY 470 WR	1022	41.52	9.50	4.04	1.08	83.78	29.75	8.80	4.70
CG 4020 B2RF	1018	41.99	8.88	4.21	1.10	83.13	26.45	7.68	4.63
DP 143 B2RF	1017	42.17	9.20	4.67	1.14	81.68	27.35	7.45	4.45
PHY 425 WRF	1014	41.04	9.10	4.27	1.07	83.60	30.73	8.78	5.13
DG 2100 B2RF	1011	40.41	9.78	4.32	1.07	83.03	27.40	7.80	4.50
PHY 485 WRF	1007	42.52	8.75	3.77	1.06	83.70	30.75	8.88	4.93
DP 393	1006	43.26	9.55	4.31	1.10	83.93	30.68	8.98	5.08
DP 432 RR	1000	42.95	8.88	4.17	1.06	82.95	29.45	8.43	5.00
DP 147 RF	993	42.22	9.50	5.00	1.12	82.58	28.98	7.30	4.70
FM 960 BR	966	40.85	10.18	4.52	1.06	82.53	33.98	7.75	4.93
DG 2215 B2RF	966	39.23	9.80	4.96	1.11	83.60	27.05	7.90	4.28
DP 434 RR	943	45.36	9.00	4.38	1.12	82.88	26.58	7.78	4.73
PHY 480 WR	936	40.36	8.75	3.54	1.09	83.25	29.60	8.50	4.55
CG 3520 B2RF	936	41.08	8.98	3.76	1.09	82.90	25.73	7.73	4.35
ST 5599 BR	921	42.34	10.00	5.29	1.07	82.43	30.15	7.95	5.05
ST 4700 B2RF	914	40.01	9.03	3.92	1.07	83.00	25.98	8.15	4.53
ST 4554 B2RF	911	41.75	8.48	4.27	1.07	82.95	29.38	8.60	4.48
DP 455 BG/RR	889	42.70	8.83	4.14	1.10	81.75	29.88	7.25	4.50
CG 3020 B2RF	889	41.26	9.58	4.26	1.09	83.35	27.63	8.00	4.58
BW-4021 B2F	870	39.47	9.20	4.43	1.10	83.25	26.53	7.78	4.45
ST 4357 B2RF	834	41.17	9.38	4.32	1.11	83.20	26.25	7.68	4.53
BW-3255 B2F	834	41.69	9.45	4.36	1.10	83.43	27.18	8.00	4.55
FM 960 B2R	830	42.19	9.85	4.62	1.09	82.38	30.00	7.15	4.75
BW-4630 B2F	813	42.83	9.15	4.22	1.09	83.18	26.35	7.48	4.55
DG 2242 B2RF	791	40.75	8.93	3.97	1.09	83.48	26.43	8.05	4.50
DP 110 RF	769	40.45	8.93	4.78	1.05	82.80	32.98	9.00	5.00
MEAN	984	42.05	9.20	4.33	1.08	82.98	28.63	7.99	4.66
LSD (.10)	190	1.38	0.59	0.41	0.03	0.85	1.29	0.36	0.32
CV (%)	16.39	2.81	5.48	7.45	2.23	0.88	3.84	3.83	5.81
R-square	0.41	0.69	0.64	0.68	0.61	0.46	0.83	0.83	0.58
REPS	4	4	4	4	4	4	4	4	4

Planted on 05/16/2006 , Harvested on 10/09/2006.  
All values represent least square means.

Table 54. Nesbit, MS location of the Hill Region Mid Maturity Test in the 2006 Mississippi State University Cotton Variety Trial grown on a Collins Silt 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 147 RF	1212	43.60	9.23	4.77	1.13	83.33	28.55	7.50	5.03
DP 454 BG/RR	1209	44.74	8.78	4.41	1.01	82.13	27.68	7.55	4.65
DP 555 BG/RR	1206	45.59	7.78	4.39	1.06	81.63	26.85	6.90	5.33
DP 515 BG/RR	1177	43.84	8.10	4.46	1.07	81.68	28.50	7.60	5.23
DP 494 RR	1175	42.69	9.08	4.87	1.12	83.33	31.60	8.25	5.35
DG N2429 CONV.	1094	41.25	10.10	4.16	1.07	83.93	32.13	9.25	5.75
FM 800 B2R	1081	41.95	10.70	5.20	1.15	84.35	31.90	7.75	5.25
DP 143 B2RF	1075	41.23	9.73	4.92	1.16	82.35	28.28	7.60	4.93
DP 164 B2RF	1062	41.73	8.80	4.74	1.09	82.75	28.70	7.80	5.33
DP 445 BG/RR	1061	43.71	9.48	4.48	1.08	84.28	30.03	8.93	5.20
BW-8391 B2F	1017	39.77	9.73	4.23	1.12	83.93	27.10	8.00	4.85
DP 444 BG/RR	1011	43.27	9.15	4.53	1.09	83.55	27.75	7.68	4.55
ST 5599 BR	996	42.90	9.83	5.20	1.02	81.65	29.78	7.73	5.48
PHY 745 WRF	993	40.95	9.85	4.70	1.11	83.55	31.08	8.45	4.60
DP 488 BG/RR	981	41.25	9.45	4.85	1.11	83.40	29.90	8.10	5.05
DP 449 BG/RR	977	41.55	8.80	4.28	1.06	82.85	31.03	8.15	4.80
FM 960 BR	965	41.96	10.38	4.89	1.06	82.50	32.90	7.65	5.00
ST 6611 B2RF	945	38.56	8.98	4.22	1.08	83.43	31.53	7.90	5.05
DP 167 RF	931	40.90	8.70	4.46	1.08	82.25	28.83	7.70	5.05
DG 2520 B2RF	915	43.33	9.68	4.44	1.10	83.50	25.63	7.73	5.15
ST 6622 RF	910	40.74	8.68	4.16	1.08	83.40	30.83	7.63	5.08
ST 6565 B2RF	839	39.22	8.60	4.10	1.08	82.48	29.90	7.55	5.20
DP 455 BG/RR	838	43.69	7.90	4.06	1.06	81.43	29.20	7.40	4.70
MEAN	1029	42.11	9.19	4.56	1.09	82.94	29.55	7.86	5.07
LSD (.10)	174	1.27	0.54	0.41	0.03	0.81	1.34	0.37	0.32
CV (%)	14.35	2.56	4.97	7.30	2.68	0.83	3.85	4.03	5.29
R-square	0.52	0.78	0.79	0.61	0.68	0.69	0.80	0.78	0.64
REPS	4	4	4	4	4	4	4	4	4

Planted on 05/16/2006, Harvested on 10/09/2006.

All values represent least square means.

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