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PERFORMANCE OF  
COTTON VARIETIES  
TESTED IN ALABAMA,  
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Department of Agronomy and Soils    Departmental Series No. 168  
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Information contained herein is available to all persons regardless of race, color, sex, or national origin.

## 1992 ALABAMA COTTON VARIETY REPORT

### A Report of the Performance of Cotton Varieties Tested in Alabama

K. M. Glass and D. I. Bransby<sup>1</sup>

#### INTRODUCTION

The Alabama Cotton Variety Test is a continuing evaluation of available cotton varieties from private companies and state agricultural experiment stations. Breeding lines that are likely to be released as varieties are also tested. Tests are conducted on units of the Alabama Agricultural Experiment Station by Experiment Station personnel. Cultural practices are those generally recommended by Auburn University to farmers. Data are reported on an irrigated test at Belle Mina and Shorter. No other tests received scheduled supplemental irrigation. Every effort is made to test the varieties and present the results in an unbiased manner.

#### EXPERIMENTAL CONDITIONS

A randomized complete block experimental design with four replications was used at each location. Row length varied at different locations from 20 to 120 feet. Plot width was two rows at Prattville, Headland, Belle Mina, Shorter, Tallassee, Fairhope, and Crossville, and one row at Brewton and Monroeville. Rainfall was generally adequate at all locations during the spring. The harvest season was warm and favorable for maturing and harvesting the crop.

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<sup>1</sup>Research Assistant and Professor of Agronomy and Soils.

## EXPLANATION OF DATA

### Harvest of Seed Cotton

Tests at Prattville, Brewton, Monroeville, Belle Mina, Headland, and Shorter were harvested by a mechanical spindle picker. The test at Crossville was harvested by hand. Average yield of seed cotton was determined for each variety at each location.

### Lint Percentage

Seed cotton samples from each variety were ginned on a 10-saw gin. Lint percentage was calculated by dividing weight of lint by weight of seed cotton.

### Yield of Lint

Lint yield was determined by multiplying the lint percentage by yield of seed cotton.

### Fiber Properties

Fiber qualities of all varieties were determined by the Auburn University Textile Engineering fiber testing laboratory using High Volume Instrumentation (HVI). Data are reported on a single composite sample of each variety from all locations except the regional tests at Shorter and Belle Mina.

Length. This is the fiber length measured with the HVI instrument. This measurement of length is about the same as the classer's staple.

Strength. A measure of breaking strength of a standard fiber bundle with the holding jaws separated by 1/8 inch. Tex is a size measurement of the fiber bundle and the data given are the force in grams needed to break this bundle.

Elongation. A measure of the percentage stretch before the fibers break.

Micronaire. This measures the fineness of the cotton fibers. The smaller the micronaire reading, the finer and/or more immature the fibers. The desirable range of micronaire is 3.5 to 4.9.

#### Earliness

Where more than one harvest was made, earliness is reported as the percentage of the total yield harvested at the first picking.

#### Fusarium Wilt

Reaction of varieties to Fusarium oxysporum f. vasinfectum (fusarium wilt) was evaluated at the Plant Breeding Unit, Tallassee. The varieties were grown in a field with a high natural incidence of the fusarium wilt disease. During 1991 fusarium wilt was severe in the test area. Severity of the disease varies from year to year and also within the experimental area in the same year. Therefore, several years' data are necessary to realistically characterize a variety's wilt reaction.

Verticillium wilt is being identified more frequently in northern Alabama than previously reported. Varietal comparisons reported in Table 13 do not apply in any way to this disease.

#### STATISTICAL ANALYSIS

Appropriate analyses of the yield data were made. For each location, the variability in the test was measured and expressed as a percentage of the test mean, i.e., the coefficient of variation (C.V.). An indication of the magnitude of difference between variety averages necessary to be considered a real difference is given for each location. It is designated as the Least Significance Difference (L.S.D.<sub>.05</sub>).

## LOCATIONS OF EXPERIMENTS

Tennessee Valley Substation, Belle Mina - W.B. Webster, Superintendent

Sand Mountain Substation, Crossville - J.T. Eason, Superintendent

Prattville Experiment Field - D.P. Moore, Superintendent

E.V. Smith Research Center, Shorter - J.S. Bannon, Director

Brewton Experiment Field - J.R. Akridge, Superintendent

Monroeville Experiment Field - J.R. Akridge, Superintendent

Wiregrass Substation, Headland - H.W. Ivey, Superintendent

Gulf Coast Substation, Fairhope - E.L. Carden, Superintendent



Table 1. Performance of Cotton Varieties at Belle Mina, Alabama, 1992

Variety	1992			2-yr. av. Lint/Acre Lb.	3-yr. av. Lint/Acre Lb.
	Lint/Acre	Lint	Earliness		
	Lb.	Pct.	Pct.		
Deltapine 5415.....	1,383	43	67	1,044	934
DES 119.....	1,243	40	80	1,004	896
Deltapine 20.....	1,216	39	82	962	872
Stoneville 453.....	1,239	43	73	956	859
HS 46.....	1,257	42	71	975	857
Chembred 1135.....	1,173	39	83	983	857
Deltapine 5690.....	1,124	40	70	942	844
Deltapine 51.....	1,151	38	76	940	844
Stoneville LA 887.....	1,197	41	75	953	842
Chembred 407.....	1,255	41	72	950	836
Deltapine 50.....	1,122	35	79	913	821
Stoneville 907.....	1,223	41	81	960	790
Terra C 40.....	1,112	38	77	888	789
Suregrow 1001.....	1,189	40	68	869	788
Deltapine 90.....	1,050	39	61	861	787
KC 311.....	1,117	39	67	888	787
HS 23.....	1,034	38	84	898	777
Terra 207.....	1,035	39	83	861	774
Georgia King.....	1,091	40	75	874	771
St Coker 320.....	1,169	40	79	882	761
Acala 1517-88.....	1,009	38	83	787	704
PD 3.....	915	39	61	756	684
Paymaster HS-26.....	1,077	37	73	767	663
Chembred 333.....	1,152	40	82	949	-
Stoneville 9358.....	1,294	41	81	-	-
Stoneville X84-828.....	1,245	42	82	-	-
Deltapine X549.....	1,224	39	75	-	-
Suregrow 501.....	1,186	42	66	-	-
Stoneville 132.....	1,170	41	90	-	-
De/cot 344.....	1,161	40	83	-	-
Chembred 1233.....	1,133	40	70	-	-
HS Salcot 10.....	1,026	39	53	-	-
GA 14-16.....	1,024	38	61	-	-
GAT 8892.....	997	37	63	-	-
GA 88-88.....	968	38	62	-	-
GA 88-15-19.....	927	38	57	-	-
Test Mean.....	1,136				
L.S.D. (.05).....	125				
C.V.....	8%				

Table 2. Performance of Cotton Varieties at Crossville, Alabama, 1992

Variety	1992			2-yr. av. Lint/Acre	3-yr. av. Lint/Acre
	Lint/Acre	Lint	Earliness		
	Lb.	Pct.	Pct.		
Stoneville 453.....	648	39	67	860	807
HS 23.....	796	37	71	861	784
Stoneville LA 887.....	704	39	52	862	775
Stoneville 907.....	656	38	65	770	726
Deltapine 20.....	587	35	66	728	713
Deltapine 51.....	616	37	61	743	704
Chembred 1135.....	479	37	67	724	688
DES 119.....	464	38	73	701	683
Terra C 40.....	445	36	62	683	681
Georgia King.....	708	40	64	746	664
Terra 207.....	531	37	72	689	660
Deltapine 50.....	598	34	65	635	653
Deltapine 5690.....	394	37	57	648	634
KC 311.....	468	37	57	693	627
PD 3.....	419	38	66	652	623
Deltapine 90.....	379	37	65	645	609
Chembred 407.....	318	37	68	616	607
St Coker 320.....	443	36	61	656	606
Suregrow 1001.....	413	38	65	622	598
HS 46.....	360	38	58	643	592
Deltapine 5415.....	324	37	60	578	554
Chembred 333.....	603	36	62	784	-
Stoneville 132.....	813	39	78	-	-
Deltapine X549.....	603	37	70	-	-
Suregrow 501.....	503	38	61	-	-
Stoneville 9358.....	503	36	59	-	-
Delcot 344.....	499	39	69	-	-
Stoneville X84-828.....	458	38	67	-	-
Chembred 1233.....	428	36	62	-	-
GA 14-16.....	378	37	58	-	-
GAT 8892.....	331	33	54	-	-
GA 88-15-19.....	330	37	44	-	-
GA 88-88.....	284	36	52	-	-
HS Salcot 10.....	203	38	49	-	-
Test Mean.....	491				
L.S.D. (.05).....	120				
C.V.....	17%				

Table 3. Performance of Cotton Varieties at Prattville, Alabama, 1992

Variety	1992			2-yr. av. Lint/Acre Lb.	3-yr. av. Lint/Acre Lb.
	Lint/Acre	Lint	Earliness		
	Lb.	Pct.	Pct.		
Stoneville 453.....	1,223	40	-	1,048	1,041
Deltapine 5415.....	1,104	41	-	1,041	1,020
Chembred 407.....	1,240	41	-	979	988
HS 46.....	1,207	40	-	981	982
KC 311.....	1,219	38	-	1,039	980
Terra 207.....	1,171	40	-	1,013	968
Terra C 40.....	1,168	39	-	1,010	963
Deltapine 5690.....	1,216	39	-	981	956
Deltapine 51.....	1,133	38	-	982	956
DES 119.....	1,004	39	-	931	945
Chembred 1135.....	1,073	36	-	946	943
Deltapine 90.....	1,141	39	-	946	942
Stoneville LA 887.....	1,276	42	-	1,014	939
Suregrow 1001.....	1,143	38	-	952	938
Deltapine 20.....	1,132	38	-	1,005	937
PD 3.....	1,220	41	-	920	885
Deltapine 50.....	978	37	-	899	875
Stoneville 907.....	1,099	39	-	882	866
St Coker 320.....	1,097	39	-	865	865
HS 23.....	931	35	-	851	864
Georgia King.....	1,013	40	-	861	846
Chembred 333.....	1,211	40	-	1,049	-
Stoneville X84-828.....	1,398	40	-	-	-
Stoneville 132.....	1,311	40	-	-	-
Chembred 1233.....	1,288	39	-	-	-
GA 14-16.....	1,213	38	-	-	-
Delcot 344.....	1,211	38	-	-	-
HS Salcot 10.....	1,186	40	-	-	-
Stoneville 9358.....	1,150	40	-	-	-
GA 88-15-19.....	1,147	40	-	-	-
GA 88-88.....	1,093	37	-	-	-
Deltapine X549.....	1,088	40	-	-	-
GAT 8892.....	1,041	37	-	-	-
Suregrow 501.....	1,010	41	-	-	-
Test Mean.....	1,151				
L.S.D. (.05).....	204				
C.V.....	13%				

Table 4. Performance of Cotton Varieties at Shorter, Alabama, 1992

Variety	1992			2-yr. av. Lint/Acre Lb.	3-yr. av. Lint/Acre Lb.
	Lint/Acre	Lint	Earliness		
	Lb.	Pct.	Pct.		
Stoneville LA 887.....	1,518	43	-	1,586	1,531
Deltapine 5415.....	1,316	41	-	1,481	1,438
DES 119.....	1,242	42	-	1,424	1,430
HS 46.....	1,253	42	-	1,449	1,419
Chembred 407.....	1,270	42	-	1,484	1,419
Stoneville 453.....	1,242	40	-	1,453	1,418
Deltapine 5690.....	1,215	40	-	1,424	1,370
Deltapine 90.....	1,096	39	-	1,367	1,357
Chembred 1135.....	1,118	39	-	1,383	1,353
Georgia King.....	1,199	43	-	1,355	1,351
Terra C 40.....	1,239	40	-	1,398	1,350
Stoneville 907.....	1,248	40	-	1,411	1,346
Deltapine 51.....	1,090	38	-	1,356	1,341
HS 23.....	1,332	39	-	1,419	1,336
Deltapine 20.....	1,178	40	-	1,398	1,335
KC 311.....	1,287	41	-	1,383	1,322
Suregrow 1001.....	1,084	40	-	1,268	1,305
Deltapine 50.....	1,102	38	-	1,326	1,303
St Coker 320.....	1,179	40	-	1,327	1,300
PD 3.....	1,088	41	-	1,264	1,274
Terra 207.....	1,052	39	-	1,266	1,245
Acala 1517-88.....	782	36	-	1,026	1,050
Paymater HS-26.....	685	37	-	897	927
Chembred 333.....	1,215	40	-	1,412	-
Suregrow 501.....	1,424	43	-	-	-
Chembred 1233.....	1,382	42	-	-	-
Deltapine X549.....	1,362	41	-	-	-
Stoneville 132.....	1,240	41	-	-	-
Stoneville X84-828.....	1,205	42	-	-	-
Stoneville 9358.....	1,201	40	-	-	-
GA 88-15-19.....	1,196	41	-	-	-
GA 14-16.....	1,159	41	-	-	-
HS Salcot 10.....	1,130	41	-	-	-
GAT 8892.....	1,120	39	-	-	-
Delcot 344.....	1,017	40	-	-	-
GA 88-88.....	928	39	-	-	-
Test Mean.....	1,177				
L.S.D. (.05).....	178				
C.V.....	11%				

Table 5. Performance of Cotton Varieties at Monroeville, Alabama, 1992

Variety	1992			2-yr. av. Lint/Acre Lb.	3-yr. av. Lint/Acre Lb.
	Lint/Acre	Lint	Earliness		
	Lb.	Pct.	Pct.		
KC 311.....	1,126	40	78	1,382	1,040
Deltapine 5690.....	1,115	42	76	1,279	1,015
Deltapine 5415.....	1,117	40	76	1,325	1,013
Suregrow 1001.....	1,085	40	77	1,258	978
Deltapine 20.....	1,117	39	82	1,215	974
DES 119.....	1,088	40	88	1,199	968
Chembred 407.....	1,050	41	72	1,176	954
Deltapine 90.....	1,019	40	72	1,191	952
Chembred 1135.....	1,102	39	79	1,149	947
HS 46.....	1,080	39	82	1,199	945
Deltapine 51.....	1,168	39	80	1,254	945
Stoneville LA 887.....	1,246	42	78	1,195	922
Deltapine 50.....	1,010	36	85	1,136	915
Stoneville 453.....	1,167	41	82	1,125	903
PD 3.....	1,017	40	77	1,099	899
St Coker 320.....	1,001	40	80	1,113	888
Georgia King.....	1,029	42	75	1,094	875
Terra C 40.....	1,010	38	82	1,080	845
HS 23.....	1,055	40	80	1,014	813
Stoneville 907.....	920	40	85	997	808
Terra 207.....	870	37	84	892	744
Chembred 333.....	816	38	76	947	-
Stoneville 132.....	1,287	42	77	-	-
Chembred 1233.....	1,189	40	80	-	-
Suregrow 501.....	1,132	40	77	-	-
Delcot 344.....	1,092	41	83	-	-
Stoneville 9358.....	1,044	39	84	-	-
Stoneville X84-828.....	1,017	40	82	-	-
GA 88-15-19.....	977	41	75	-	-
GA 88-88.....	965	39	69	-	-
Deltapine X549.....	935	39	77	-	-
GAT 8892.....	927	38	69	-	-
HS Salcot 10.....	916	40	62	-	-
GA 14-16.....	896	38	73	-	-
Test Mean.....	1,047				
L.S.D. (.05).....	215				
C.V.....	15%				

Table 6. Performance of Cotton Varieties at Brewton, Alabama, 1992

Variety	1992			2-yr. av. Lint/Acre	3-yr. av. Lint/Acre
	Lint/Acre	Lint	Earliness		
	Lb.	Pct.	Pct.		
Deltapine 5690.....	852	39	53	1,203	1,377
KC 311.....	799	38	51	1,201	1,335
Deltapine 51.....	1,001	38	58	1,282	1,335
HS 46.....	900	40	52	1,187	1,330
Deltapine 5415.....	799	39	53	1,238	1,320
Georgia King.....	894	40	66	1,120	1,316
DES 119.....	906	40	67	1,209	1,316
Stoneville LA 887.....	981	41	59	1,236	1,311
Deltapine 20.....	951	38	65	1,154	1,298
Chembred 407.....	785	38	50	1,155	1,291
Chembred 1135.....	784	38	60	1,129	1,287
PD 3.....	854	41	56	1,101	1,230
Suregrow 1001.....	722	37	54	1,171	1,230
Deltapine 90.....	690	38	49	1,142	1,228
St Coker 320.....	859	39	65	1,146	1,223
Stoneville 453.....	818	40	70	1,049	1,212
HS 23.....	991	38	69	1,148	1,182
Terra C 40.....	843	37	63	1,044	1,179
Deltapine 50.....	914	36	63	1,082	1,157
Terra 207.....	782	38	66	990	1,102
Stoneville 907.....	958	39	75	1,112	1,090
Chembred 333.....	852	38	60	1,131	-
Stoneville 132.....	1,006	40	75	-	-
Deltapine X549.....	959	39	65	-	-
Stoneville 9358.....	947	40	70	-	-
Stoneville X84-828....	924	39	64	-	-
Chembred 1233.....	923	38	62	-	-
Delcot 344.....	921	41	67	-	-
Suregrow 501.....	894	42	58	-	-
GA 14-16.....	746	38	53	-	-
GA 88-15-19.....	738	39	53	-	-
GAT 8892.....	708	38	46	-	-
HS Salcot 10.....	686	41	42	-	-
GA 88-88.....	567	37	47	-	-
Test Mean.....	852				
L.S.D. (.05).....	143				
C.V.....	12%				

Table 7. Performance of Cotton Varieties at Headland, Alabama, 1992

Variety	1992			2-yr. av. Lint/Acre Lb.	3-yr. av. Lint/Acre Lb.
	Lint/Acre	Lint	Earliness		
	Lb.	Pct.	Pct.		
Deltapine 90.....	1,782	40	-	1,672	1,349
Deltapine 5690.....	1,630	42	-	1,626	1,333
KC 311.....	1,659	41	-	1,644	1,326
HS 46.....	1,624	41	-	1,651	1,321
Chembred 1135.....	1,735	40	-	1,646	1,316
Terra C 40.....	1,650	40	-	1,586	1,309
Chembred 407.....	1,591	39	-	1,608	1,308
Stoneville LA 887.....	1,778	43	-	1,619	1,301
Suregrow 1001.....	1,685	41	-	1,604	1,299
Deltapine 5415.....	1,662	41	-	1,583	1,283
Deltapine 51.....	1,527	40	-	1,518	1,280
Stoneville 453.....	1,624	42	-	1,506	1,245
HS 23.....	1,541	39	-	1,530	1,236
Deltapine 50.....	1,453	38	-	1,496	1,226
Georgia King.....	1,619	42	-	1,490	1,220
Deltapine 20.....	1,529	41	-	1,444	1,203
St Coker 320.....	1,417	40	-	1,453	1,203
Stoneville 907.....	1,536	39	-	1,491	1,199
DES 119.....	1,340	39	-	1,393	1,170
Terra 207.....	1,481	40	-	1,417	1,168
PD 3.....	1,275	41	-	1,368	1,126
Chembred 333.....	1,678	41	-	1,597	-
Chembred 1233.....	1,719	40	-	-	-
GA 14-16.....	1,654	41	-	-	-
Stoneville X84-828.....	1,646	40	-	-	-
Stoneville 9358.....	1,610	41	-	-	-
Delcot 344.....	1,607	43	-	-	-
Deltapine X549.....	1,552	40	-	-	-
Stoneville 132.....	1,507	40	-	-	-
HS Salcot 10.....	1,497	41	-	-	-
Suregrow 501.....	1,476	44	-	-	-
GAT 8892.....	1,438	37	-	-	-
GA 88-88.....	1,401	39	-	-	-
GA 88-15-19.....	1,320	39	-	-	-
Test Mean.....	1,566				
L.S.D. (.05).....	243				
C.V.....	11%				

Table 8. Performance of Cotton Varieties at Fairhope, Alabama, 1992

Variety	1992			2-yr. av. Lint/Acre Lb.	3-yr. av. Lint/Acre Lb.
	Lint/Acre	Lint	Earliness		
	Lb.	Pct.	Pct.		
Deltapine 51.....	1,486	40	-	1,526	1,349
Deltapine 20.....	1,503	40	-	1,426	1,323
HS 46.....	1,546	42	-	1,490	1,321
DES 119.....	1,518	40	-	1,401	1,314
Suregrow 1001.....	1,501	41	-	1,459	1,310
Deltapine 5690.....	1,375	42	-	1,479	1,306
Stoneville 907.....	1,553	40	-	1,460	1,281
Georgia King.....	1,507	43	-	1,418	1,270
Chembred 407.....	1,373	40	-	1,375	1,261
KC 311.....	1,560	42	-	1,457	1,258
Deltapine 5415.....	1,455	42	-	1,397	1,247
Deltapine 50.....	1,404	38	-	1,377	1,244
Stoneville LA 887.....	1,478	43	-	1,421	1,237
Deltapine 90.....	1,370	41	-	1,359	1,226
Chembred 1135.....	1,405	39	-	1,325	1,214
Terra C 40.....	1,346	41	-	1,277	1,177
Stoneville 453.....	1,409	42	-	1,305	1,177
HS 23.....	1,407	39	-	1,281	1,130
Terra 207.....	1,252	38	-	1,195	1,097
St Coker 320.....	1,229	40	-	1,253	1,091
PD 3.....	1,244	41	-	1,164	1,064
Chembred 333.....	1,528	40	-	1,448	-
Stoneville X84-828.....	1,677	42	-	-	-
Suregrow 501.....	1,544	41	-	-	-
Chembred 1233.....	1,441	39	-	-	-
Stoneville 9358.....	1,427	40	-	-	-
Deltapine X549.....	1,424	40	-	-	-
Delcot 344.....	1,370	42	-	-	-
GA 14-16.....	1,283	40	-	-	-
GAT 8892.....	1,248	39	-	-	-
GA 88-15-19.....	1,215	40	-	-	-
GA 88-88.....	1,204	39	-	-	-
Stoneville 132.....	1,202	40	-	-	-
HS Salcot 10.....	1,183	41	-	-	-
Test Mean.....	1,402				
L.S.D. (.05).....	261				
C.V.....	13%				



Table 9. Performance of Cotton Varieties in Alabama, Average of All Locations

Variety	Yield, Lint/Acre			Lint			Earliness		
	1992	1991-92	1990-92	1992	1991-92	1990-92	1992	1991-92	1990-92
	Lb.	Lb.	Lb.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.
Stoneville LA 887..	1,272	1,236	1,107	42	42	42	66	76	80
Deltapine 5690.....	1,115	1,198	1,104	40	40	41	64	74	80
Deltapine 5415.....	1,145	1,211	1,101	41	41	41	64	73	78
HS 46.....	1,153	1,197	1,096	41	41	41	66	75	80
Deltapine 51.....	1,146	1,200	1,094	38	39	40	69	77	81
DES 119.....	1,101	1,158	1,090	40	41	41	77	82	85
KC 311.....	1,154	1,211	1,084	40	40	40	63	74	79
Chembred 407.....	1,110	1,168	1,083	40	40	40	66	74	80
Stoneville 453.....	1,171	1,163	1,083	41	41	42	73	81	84
Deltapine 20.....	1,152	1,166	1,082	39	39	40	74	81	84
Chembred 1135.....	1,108	1,161	1,076	38	39	40	72	80	84
Deltapine 90.....	1,066	1,148	1,056	39	40	40	62	73	78
Suregrow 1001.....	1,103	1,150	1,056	39	40	40	66	75	80
Georgia King.....	1,133	1,120	1,039	41	42	42	70	76	80
Terra C 40.....	1,101	1,121	1,037	39	39	40	71	78	82
Deltapine 50.....	1,072	1,108	1,024	37	37	38	73	78	82
HS 23.....	1,136	1,125	1,015	38	39	39	76	82	85
Stoneville 907.....	1,149	1,135	1,013	40	40	40	77	83	86
St Coker 320.....	1,049	1,087	992	39	40	40	71	78	82
PD 3.....	1,004	1,040	973	40	40	40	65	72	77
Terra 207.....	1,022	1,040	970	39	39	40	76	82	86
Chembred 333.....	1,132	1,164	-	39	40	-	70	78	-
Stoneville X84-828.	1,196	-	-	40	-	-	74	-	-
Stoneville 132.....	1,192	-	-	40	-	-	80	-	-
Chembred 1233.....	1,188	-	-	39	-	-	69	-	-
Stoneville 9358....	1,147	-	-	40	-	-	74	-	-
Suregrow 501.....	1,146	-	-	41	-	-	66	-	-
Deltapine X549.....	1,143	-	-	39	-	-	72	-	-
Delcot 344.....	1,110	-	-	41	-	-	76	-	-
GA 14-16.....	1,044	-	-	39	-	-	61	-	-
GA 88-15-19.....	981	-	-	39	-	-	57	-	-
HS Salcot 10.....	979	-	-	40	-	-	52	-	-
GAT 8892.....	976	-	-	37	-	-	58	-	-
GA 88-88.....	926	-	-	38	-	-	57	-	-

These varieties at 2 locations only

Acala 1517-88.....	895	907	877	37	39	40	83	86	87
Paymaster HS-26....	881	832	795	37	37	37	73	75	77

Table 10. Performance of Irrigated Cotton Varieties at Belle Mina, Alabama, 1992

Variety	1992			2-yr. av. Lint/Acre Lb.	3-yr. av. Lint/Acre Lb.
	Lint/Acre	Lint	Earliness		
	Lb.	Pct.	Pct.		
DES 119.....	1,608	43	86	1,567	1,470
Deltapine 51.....	1,544	42	80	1,575	1,443
HS 46.....	1,465	43	77	1,524	1,418
Stoneville 453.....	1,442	44	83	1,473	1,394
Deltapine 90.....	1,626	43	77	1,531	1,365
Deltapine 50.....	1,563	39	84	1,510	1,355
KC 311.....	1,504	42	69	1,463	1,325
Suregrow 1001.....	1,525	43	77	1,465	1,310
Stoneville 907.....	1,446	43	84	1,429	1,269
PD 3.....	1,191	41	69	1,271	1,197
Deltapine 5415.....	1,598	43	76	1,634	-
Chembred 1135.....	1,681	43	82	1,624	-
Deltapine 20.....	1,662	42	87	1,575	-
Deltapine 5690.....	1,539	43	81	1,516	-
Chembred 407.....	1,376	42	75	1,408	-
St Coker 320.....	1,376	43	84	1,402	-
Terra 207.....	1,329	41	88	1,343	-
Chembred 1233.....	1,548	43	80	-	-
Test Mean.....	1,501				
L.S.D. (.05).....	227				
C.V.....	11%				

Table 11. Performance of Irrigated Cotton Varieties  
at Shorter, Alabama, 1992

Variety	Lint/Acre Lb.	1992	
		Lint Pct.	Earliness Pct.
Deltapine 5415.....	1,721	43	-
Deltapine 5690.....	1,655	42	-
Stoneville 453.....	1,646	43	-
Stoneville LA 887.....	1,593	43	-
Suregrow 1001.....	1,578	42	-
Deltapine 90.....	1,547	41	-
Chembred 407.....	1,516	42	-
DES 119.....	1,513	42	-
Georgia King.....	1,500	45	-
Chembred 1135.....	1,492	42	-
Chembred 333.....	1,491	42	-
Deltapine 20.....	1,457	41	-
HS 46.....	1,454	42	-
Terra C 40.....	1,451	41	-
Deltapine 51.....	1,374	40	-
Test Mean.....	1,532		
L.S.D. (.05).....	201		
C.V.....	9%		

Table 12. Percentage of Plants Showing Symptoms of Fusarium Wilt, Tallassee, Alabama

Variety	1 yr. 1992	2 yr. 91-92	3 yr. 90-92	4 yr. 89-92	5 yr. 88-92	6 yr. 87-92	7 yr. 84-92	10 yr. 83-92	11 yr. 82-92	12 yr. 80-92
	<u>Pct.</u>	<u>Pct.</u>	<u>Pct.</u>	<u>Pct.</u>	<u>Pct.</u>	<u>Pct.</u>	<u>Pct.</u>	<u>Pct.</u>	<u>Pct.</u>	<u>Pct.</u>
Deltapine 90.....	5.0	28.0	22.8	25.6	21.9	21.3	22.2	17.2	16.8	16.1
Deltapine 50.....	14.0	38.2	43.2	38.6	35.8	38.4	38.9	30.9	29.3	
Deltapine 20.....	21.0	24.8	35.2	31.1	26.4	33.8	33.9	27.9		
DES 119.....	13.3	33.9	38.8	37.9	35.9	40.0	37.7			
Stoneville Coker 320..	14.0	28.3	35.5	31.6	33.1	38.7				
Terra C 40.....	17.0	29.4	34.3	35.5	31.9	37.1				
Stoneville 453.....	13.0	42.4	48.9	46.5	47.4	53.2				
PD 3.....	16.3	39.1	43.0	40.2	36.4	37.5				
HS 46.....	44.5	50.9	49.7	52.2	46.2					
Deltapine 51.....	13.5	30.2	32.2	28.1	26.2					
Stoneville KC 311.....	9.8	34.2	33.8	29.8						
Suregrow 1001.....	15.0	33.8	38.3	36.3						
Stoneville 907.....	12.0	31.5	44.3	31.9						
Georgia King.....	11.0	37.5	40.0							
Chembred 407.....	17.8	32.3	32.9							
Auburn 56.....	12.0	19.1	19.6							
HS 23.....	17.0	22.3	27.7							
Terra 207.....	5.0	9.9	23.5							
Stoneville LA 887.....	2.3	18.3	21.5							
Deltapine 5690.....	17.8	27.2	29.5							
Chembred 1135.....	15.0	23.0	27.3							
Deltapine 5415.....	19.0	35.2	30.9							
Chembred 333.....	7.5	83.5								
Chembred 305.....	7.0									
Chembred 1233.....	9.0									
Delcot 344.....	5.3									
Deltapine X549.....	26.5									
GA 14-16.....	16.0									
GA 88-88.....	23.8									
GA 88-15-19.....	4.0									
GA 8892.....	24.3									
HS Salcot 10.....	14.8									
N8577.....	4.8									
Pima 601.....	13.8									
Pima - S6.....	2.8									
Stoneville 84-828.....	16.8									
Stoneville 132.....	3.3									
Stoneville X9358.....	16.8									
Suregrow 501.....	36.5									

Table 13. Cotton Fiber Analysis, HVI, Crossville, Alabama, 1992

<u>Brand-variety</u>	<u>Micronaire</u> <u>Units</u>	<u>Length</u> <u>In.</u>	<u>Uniformity</u> <u>Pct.</u>	<u>Strength</u> <u>g/tex</u>	<u>Elongation</u> <u>Pct.</u>
Chembred 333.....	3.6	1.13	81	25.5	10.4
Chembred 407.....	2.9	1.12	82	30.5	9.0
Chembred 1135....	2.9	1.05	83	27.0	9.6
Chembred 1233....	3.0	1.12	85	28.0	10.0
Delcot 344.....	3.0	1.10	83	26.0	9.2
Deltapine 20.....	3.0	1.05	80	28.0	10.6
Deltapine 50.....	3.2	1.11	82	25.5	10.4
Deltapine 51.....	3.1	1.13	83	24.5	10.2
Deltapine 90.....	3.1	1.09	82	30.5	9.2
Deltapine X549...	3.2	1.13	81	26.5	10.4
Deltapine 5415...	3.3	1.13	83	29.5	10.6
Deltapine 5690...	3.1	1.08	82	29.5	9.6
DES 119.....	3.4	1.12	87	26.5	10.8
GA 14-16.....	3.4	1.10	84	27.5	9.6
GA 88-88.....	3.2	1.15	85	30.5	8.4
GA 88-15-19.....	2.9	1.15	84	29.5	9.0
GAT 8892.....	2.6	1.11	81	27.5	9.4
Georgia King.....	3.5	1.13	84	28.5	9.4
HS 23.....	3.2	1.10	83	26.0	9.2
HS 46.....	2.8	1.13	81	28.5	10.4
HS Salcot 10.....	3.0	1.05	82	31.0	10.4
KC 311.....	3.3	1.19	87	28.5	9.6
PD 3.....	3.0	1.09	83	29.5	9.0
Stoneville					
Coker 320.....	3.1	1.13	82	29.0	9.2
Stoneville					
LA 887.....	3.2	1.13	84	26.0	10.2
Stoneville 132...	3.6	1.06	84	25.5	10.6
Stoneville 453...	3.8	1.08	85	27.5	9.8
Stoneville 907...	3.7	1.08	85	30.5	9.8
Stoneville 9358..	2.9	1.10	84	27.0	10.2
Stoneville					
X84-828.....	3.2	1.08	81	26.0	9.4
Suregrow 501.....	3.8	1.11	86	26.0	9.6
Suregrow 1001....	3.3	1.12	81	32.0	9.6
Terra C 40.....	2.8	1.10	82	26.5	11.4
Terra 207.....	3.3	1.12	86	25.0	10.4

Table 14. Cotton Fiber Analysis, HVI, Prattville, Alabama, 1992

Brand-variety	Micronaire	Length	Uniformity	Strength	Elongation
	Units	In.	Pct.	g/tex	Pct.
Chembred 333.....	3.9	1.12	81	26.5	9.4
Chembred 407.....	3.6	1.09	82	29.0	8.6
Chembred 1135.....	3.8	1.14	86	26.5	9.0
Chembred 1233.....	3.8	1.15	87	26.5	9.6
Delcot 344.....	4.0	1.08	83	24.5	8.8
Deltapine 20.....	3.9	1.07	82	23.5	10.0
Deltapine 50.....	4.4	1.11	84	23.0	10.2
Deltapine 51.....	4.3	1.13	84	25.0	9.6
Deltapine 90.....	4.1	1.08	83	28.0	9.0
Deltapine X549....	4.0	1.10	86	25.0	9.2
Deltapine 5415....	4.4	1.08	87	26.5	10.6
Deltapine 5690....	4.2	1.07	83	27.0	8.6
DES 119.....	3.7	1.11	83	29.0	10.0
GA 14-16.....	3.9	1.20	86	28.0	8.8
GA 88-88.....	3.8	1.13	82	29.5	8.2
GA 88-15-19.....	3.9	1.11	82	26.5	8.4
GAT 8892.....	3.5	1.18	84	29.5	8.2
Georgia King.....	3.9	1.12	85	30.0	9.0
HS 23.....	3.3	1.13	84	27.0	8.6
HS 46.....	4.1	1.13	82	27.5	9.4
HS Salcot 10.....	3.8	1.11	84	27.5	9.8
KC 311.....	3.6	1.14	86	29.5	9.2
PD 3.....	4.3	1.17	85	28.0	8.0
Stoneville Coker 320.....	3.9	1.11	86	26.5	9.0
Stoneville LA 887.....	4.0	1.19	88	26.5	9.6
Stoneville 132....	4.0	1.09	85	25.0	10.4
Stoneville 453....	4.3	1.12	84	23.0	9.4
Stoneville 907....	4.2	1.12	86	25.5	9.8
Stoneville 9358...	4.3	1.12	82	25.5	10.6
Stoneville X84-828.....	4.1	1.08	83	26.5	8.4
Suregrow 501.....	4.1	1.06	83	27.5	9.2
Suregrow 1001.....	4.1	1.08	83	27.5	8.4
Terra C 40.....	4.2	1.10	82	23.0	9.2
Terra 207.....	3.9	1.13	83	24.0	9.0

Table 15. Cotton Fiber Analysis, HVI, Monroeville, Alabama, 1992

Brand-variety	Micronaire	Length	Uniformity	Strength	Elongation
	<u>Units</u>	<u>In.</u>	<u>Pct.</u>	<u>g/tex</u>	<u>Pct.</u>
Chembred 333.....	4.2	1.11	86	25.0	10.2
Chembred 407.....	4.1	1.11	85	29.0	10.0
Chembred 1135.....	4.4	1.12	83	25.5	9.6
Chembred 1233.....	4.2	1.10	83	27.5	10.2
Delcot 344.....	4.4	1.15	86	24.5	10.2
Deltapine 20.....	3.9	1.07	82	25.0	10.8
Deltapine 50.....	4.4	1.12	82	24.5	10.6
Deltapine 51.....	4.6	1.12	85	23.0	10.4
Deltapine 90.....	3.8	1.12	83	33.0	9.8
Deltapine X549....	4.2	1.09	85	26.0	11.0
Deltapine 5415....	4.1	1.14	85	29.0	10.0
Deltapine 5690....	4.4	1.09	81	28.5	9.8
DES 119.....	4.4	1.16	85	27.0	10.6
GA 14-16.....	3.9	1.12	85	28.0	9.0
GA 88-88.....	4.1	1.18	83	28.5	9.0
GA 88-15-19.....	4.1	1.20	81	29.0	9.2
GAT 8892.....	3.8	1.14	87	29.0	9.4
Georgia King.....	4.2	1.13	84	27.5	9.6
HS 23.....	4.2	1.12	83	26.5	9.2
HS 46.....	3.7	1.16	85	28.0	9.8
HS Salcot 10.....	3.7	1.10	83	28.5	10.8
KC 311.....	4.2	1.09	85	29.0	9.0
PD 3.....	4.1	1.14	82	27.0	9.4
Stoneville					
Coker 320.....	4.4	1.15	88	25.5	9.0
Stoneville					
LA 887.....	4.6	1.16	86	27.0	10.0
Stoneville 132....	3.8	1.07	82	26.5	10.8
Stoneville 453....	4.3	1.10	86	24.0	10.4
Stoneville 907....	4.2	1.11	82	28.0	10.0
Stoneville 9358...	4.1	1.12	84	26.5	10.2
Stoneville X84-828	3.8	1.14	83	25.5	9.6
Suregrow 501.....	4.2	1.11	86	27.5	10.2
Suregrow 1001.....	3.7	1.12	85	27.5	9.4
Terra C 40.....	3.6	1.08	82	24.5	11.2
Terra 207.....	4.3	1.14	87	23.5	10.2

Table 16. Cotton Fiber Analysis, HVI, Brewton, Alabama, 1992

<u>Brand-variety</u>	<u>Micronaire</u>	<u>Length</u>	<u>Uniformity</u>	<u>Strength</u>	<u>Elongation</u>
	<u>Units</u>	<u>In.</u>	<u>Pct.</u>	<u>g/tex</u>	<u>Pct.</u>
Chembred 333.....	3.8	1.16	80	27.5	9.4
Chembred 407.....	3.8	1.18	83	30.0	9.6
Chembred 1135.....	3.9	1.16	85	25.5	9.4
Chembred 1233.....	3.5	1.19	83	29.5	10.2
Delcot 344.....	3.9	1.12	82	27.5	9.2
Deltapine 20.....	3.9	1.09	83	25.5	10.4
Deltapine 50.....	3.8	1.19	80	25.5	10.2
Deltapine 51.....	3.6	1.24	83	27.0	10.2
Deltapine 90.....	3.2	1.14	87	30.5	9.5
Deltapine X549.....	3.9	1.17	82	26.5	10.4
Deltapine 5415.....	3.7	1.17	81	27.5	10.0
Deltapine 5690.....	4.0	1.17	85	31.5	9.8
DES 119.....	4.3	1.15	86	25.0	10.6
GA 14-16.....	3.6	1.15	82	30.0	9.2
GA 88-88.....	3.4	1.21	82	31.5	8.6
GA 88-15-19.....	3.2	1.18	82	29.0	8.6
GAT 8892.....	3.2	1.19	82	28.5	9.6
Georgia King.....	4.1	1.14	83	28.5	9.4
HS 23.....	3.9	1.14	83	27.0	7.8
HS 46.....	3.6	1.13	79	29.0	9.0
HS Salcot 10.....	3.4	1.09	82	30.5	9.4
KC 311.....	3.7	1.13	83	29.5	9.2
PD 3.....	4.3	1.11	84	28.0	9.6
Stoneville Coker 320	3.9	1.17	84	28.5	9.2
Stoneville LA 887...	3.8	1.18	83	26.0	10.0
Stoneville 132.....	3.9	1.10	83	25.0	10.2
Stoneville 453.....	4.1	1.08	84	26.5	9.8
Stoneville 907.....	4.2	1.16	86	28.0	9.8
Stoneville 9358.....	3.9	1.16	84	27.0	10.0
Stoneville X84-828..	4.3	1.14	86	27.5	9.4
Suregrow 501.....	4.1	1.15	86	30.5	9.8
Suregrow 1001.....	3.2	1.15	83	29.5	9.2
Terra C 40.....	3.6	1.12	81	25.5	10.4
Terra 207.....	3.9	1.18	83	26.0	10.0



Table 17. Cotton Fiber Analysis, HVI, Headland, Alabama, 1992

Brand-variety	Micronaire	Length	Uniformity	Strength	Elongation
	<u>Units</u>	<u>In.</u>	<u>Pct.</u>	<u>g/tex</u>	<u>Pct.</u>
Chembred 333.....	3.8	1.09	83	26.5	9.2
Chembred 407.....	4.2	1.01	83	26.5	7.8
Chembred 1135.....	3.5	1.12	82	26.5	8.6
Chembred 1233.....	4.3	1.14	84	26.0	9.2
Delcot 344.....	4.1	1.12	85	26.0	9.2
Deltapine 20.....	3.8	1.10	83	24.0	9.8
Deltapine 50.....	3.8	1.15	84	23.0	10.2
Deltapine 51.....	4.1	1.14	84	25.0	9.6
Deltapine 90.....	4.0	1.14	83	29.0	8.4
Deltapine X549.....	3.6	1.09	80	26.5	9.8
Deltapine 5415.....	3.9	1.12	83	26.5	10.6
Deltapine 5690.....	3.9	1.07	86	29.5	8.4
DES 119.....	4.1	1.11	86	26.5	10.2
GA 14-16.....	3.5	1.15	82	30.0	8.2
GA 88-88.....	3.9	1.11	85	29.5	8.4
GA 88-15-19.....	3.4	1.04	81	27.5	8.2
GAT 8892.....	3.0	1.11	81	29.0	8.8
Georgia King.....	4.3	1.12	84	28.0	8.8
HS 23.....	3.8	1.17	87	25.0	9.2
HS 46.....	3.8	1.08	85	29.5	9.2
HS Salcot 10.....	3.6	1.07	84	30.5	10.0
KC 311.....	4.3	1.09	85	27.5	8.8
PD 3.....	3.7	1.13	83	27.5	8.4
Stoneville Coker 320	3.9	1.10	82	26.0	8.6
Stoneville LA 887...	3.9	1.12	86	27.5	9.2
Stoneville 132.....	3.9	1.07	86	26.0	9.4
Stoneville 453.....	3.6	1.08	81	25.0	9.8
Stoneville 907.....	4.1	1.08	82	26.0	9.6
Stoneville 9358.....	3.9	1.15	87	26.0	10.0
Stoneville X84-828..	3.9	1.10	83	24.5	8.8
Suregrow 501.....	4.0	1.08	87	28.0	9.0
Suregrow 1001.....	3.8	1.15	83	30.5	8.6
Terra C 40.....	3.9	1.06	83	23.5	11.0
Terra 207.....	3.9	1.07	83	23.5	9.4

Table 18. Cotton Fiber Analysis, HVI, Fairhope, Alabama, 1992

Brand-variety	Micronaire Units	Length In.	Uniformity Pct.	Strength g/tex	Elongation Pct.
Chembred 333.....	3.4	1.15	85	29.5	9.4
Chembred 407.....	3.4	1.17	85	29.5	9.0
Chembred 1135.....	3.5	1.14	79	27.0	8.4
Chembred 1233.....	3.4	1.14	81	29.0	9.4
Delcot 344.....	3.3	1.15	84	27.0	9.4
Deltapine 20.....	3.4	1.15	81	26.0	10.2
Deltapine 50.....	3.3	1.17	84	24.5	10.6
Deltapine 51.....	3.3	1.18	85	24.5	10.4
Deltapine 90.....	3.3	1.11	84	29.0	9.2
Deltapine X549.....	3.6	1.20	83	25.5	9.8
Deltapine 5415.....	3.6	1.15	82	27.5	10.0
Deltapine 5690.....	3.3	1.13	85	25.5	8.6
DES 119.....	3.9	1.17	83	25.0	10.0
GA 14-16.....	2.9	1.14	82	29.0	8.4
GA 88-88.....	3.3	1.19	82	31.5	8.4
GA 88-15-19.....	3.3	1.12	83	29.0	8.6
GAT 8892.....	2.9	1.21	85	30.0	8.8
Georgia King.....	3.5	1.16	82	30.5	9.8
HS 23.....	3.0	1.09	82	27.0	8.4
HS 46.....	3.2	1.16	83	27.0	9.0
HS Salcot 10.....	3.5	1.04	82	28.0	10.0
KC 311.....	3.3	1.07	83	30.0	9.8
PD 3.....	3.1	1.15	82	28.5	8.4
Stoneville					
Coker 320.....	3.4	1.16	83	28.5	8.8
Stoneville LA 887..	3.3	1.15	86	28.5	9.6
Stoneville 132.....	2.7	1.09	82	26.0	9.8
Stoneville 453.....	3.6	1.11	83	26.5	9.2
Stoneville 907.....	3.6	1.08	81	27.0	9.0
Stoneville 9358....	3.4	1.17	83	27.0	10.4
Stoneville X84-828.	3.6	1.14	84	25.5	9.0
Suregrow 501.....	3.6	1.10	84	29.5	9.4
Suregrow 1001.....	3.4	1.15	84	30.5	9.0
Terra C 40.....	3.4	1.12	83	24.5	10.0
Terra 207.....	3.6	1.19	86	24.5	10.0

Table 19. Cotton Fiber Analysis, HVI, Irrigated Cotton, Belle Mina, Alabama, 1992

<u>Brand-variety</u>	<u>Micronaire</u>	<u>Length</u>	<u>Uniformity</u>	<u>Strength</u>	<u>Elongation</u>
	<u>Units</u>	<u>In.</u>	<u>Pct.</u>	<u>g/tex</u>	<u>Pct.</u>
Chembred 407.....	3.7	1.13	79	29.0	9.0
Chembred 1135.....	4.2	1.10	82	24.0	9.6
Chembred 1233.....	3.9	1.13	81	28.5	9.8
Deltapine 20.....	3.6	1.11	81	24.5	10.6
Deltapine 50.....	3.7	1.18	84	22.5	10.2
Deltapine 51.....	4.0	1.18	81	24.0	10.2
Deltapine 90.....	3.9	1.13	80	27.5	8.4
Deltapine 5415.....	4.0	1.13	82	29.5	10.6
Deltapine 5690.....	3.9	1.11	82	28.5	8.6
DES 119.....	4.1	1.15	82	25.0	10.4
HS 46.....	3.7	1.13	80	27.0	9.4
KC 311.....	4.1	1.17	84	29.0	9.2
PD 3.....	3.8	1.15	81	27.0	8.6
Stoneville 453.....	4.0	1.08	81	23.5	9.8
Stoneville 907.....	4.1	1.15	84	27.5	9.8
Stoneville Coker 320.....	3.9	1.12	84	27.0	9.2
Suregrow 1001.....	3.6	1.10	81	28.0	9.6
Terra 207.....	3.8	1.15	84	24.5	10.0

Table 20. Cotton Fiber Analysis, HVI, Irrigated Cotton, Shorter, Alabama, 1992

<u>Brand-variety</u>	<u>Micronaire</u> <u>Units</u>	<u>Length</u> <u>In.</u>	<u>Uniformity</u> <u>Pct.</u>	<u>Strength</u> <u>g/tex</u>	<u>Elongation</u> <u>Pct.</u>
Chembred 333.....	4.1	1.04	83	23.5	9.4
Chembred 407.....	4.5	1.12	84	25.0	8.4
Chembred 1135.....	3.6	1.12	83	25.5	9.0
Deltapine 20.....	4.1	1.07	82	22.5	10.8
Deltapine 51.....	4.2	1.17	86	23.5	10.2
Deltapine 90.....	4.2	1.14	82	27.5	9.2
Deltapine 5415.....	4.8	1.15	83	24.5	10.2
Deltapine 5690.....	4.4	1.11	83	28.5	9.0
DES 119.....	4.5	1.16	88	26.5	10.2
Georgia King.....	4.7	1.20	88	28.0	9.2
HS 46.....	4.0	1.14	82	28.5	9.0
Stoneville LA 887...	4.3	1.13	86	25.0	9.4
Stoneville 453.....	3.6	1.12	85	24.0	9.4
Suregrow 1001.....	4.3	1.14	82	28.0	9.4
Terra C 40.....	4.2	1.11	82	22.5	10.0

Table 21. Growing Season Rainfall, 1990-92

Test Location	Year	Monthly rainfall (inches)							7-Month Total
		Mar.	Apr.	May	June	July	Aug.	Sept.	
Belle Mina.....	1992	4.8	1.8	2.3	9.0	6.3	4.3	5.2	33.7
	1991	8.0	9.0	9.5	1.8	2.1	2.0	3.7	36.1
	1990	8.0	4.5	5.0	3.9	3.8	1.2	1.5	27.9
Crossville.....	1992	4.2	2.2	2.1	5.7	5.5	4.5	4.3	28.5
	1991	5.6	6.2	4.9	5.5	2.9	3.1	3.2	31.4
	1990	7.4	3.4	4.1	3.5	2.0	2.0	3.9	26.3
Shorter.....	1992	3.6	2.8	1.7	3.4	7.4	5.1	2.9	26.9
	1991	8.8	3.4	4.8	6.4	2.7	3.8	1.8	31.7
	1990	10.9	2.9	4.6	1.7	2.0	2.4	2.1	26.6
Prattville.....	1992	3.3	3.9	1.7	4.1	6.1	3.0	2.4	24.5
	1991	5.5	5.1	11.7	5.4	3.8	2.9	2.6	37.0
	1990	10.1	1.6	4.8	1.6	6.1	1.6	0.3	25.8
Monroeville....	1992	4.2	3.2	2.2	8.5	5.8	11.6	2.6	38.1
	1991	7.2	5.5	12.4	5.7	6.9	6.8	2.0	46.5
	1990	9.0	4.5	6.3	0.7	5.3	2.3	1.8	29.8
Brewton.....	1992	3.9	3.4	2.2	4.3	5.0	7.7	6.4	32.9
	1991	5.7	5.0	11.9	8.6	7.0	3.6	2.4	45.2
	1990	12.9	3.8	8.8	1.5	3.5	3.6	1.5	35.6
Fairhope.....	1992	2.9	2.7	2.4	4.6	5.0	6.2	1.4	25.2
	1991	4.9	9.1	13.8	5.9	8.6	6.7	3.1	52.1
	1990	10.4	2.5	4.9	6.2	5.8	0.9	1.6	32.3
Headland.....	1992	7.5	0.6	2.5	3.8	7.4	4.9	0.4	27.1
	1991	9.4	3.3	8.8	3.1	5.8	5.6	2.7	38.7
	1990	4.3	2.1	3.5	2.7	3.2	0.8	0.8	17.4

Table 22. Soil Types for Cotton Trials, 1992

Test Location	Soil Type
Belle Mina.....	Decatur silt loam
Crossville.....	Wynnvilleville fine sandy loam
E.V. Smith Research Center, Shorter.....	Norfolk sandy loam
Prattville.....	Lucedale fine sandy loam
Monroeville.....	Lucedale loam
Brewton.....	Benndale fine sandy loam
Headland.....	Dothan sandy loam
Fairhope.....	Malbis fine sandy loam

Table 23. Sources of Seed for the 1992 Cotton Variety Tests

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Deltapine 90	Delta and Pine Land Co.
Deltapine 50	Scott, Mississippi
Deltapine 51	
Deltapine 20	
Deltapine 5415	
Deltapine 5690	
Deltapine X549	
DES 119	
Stoneville 907	Stoneville Pedigreed Seed Co.
Stoneville 453	Stoneville, Mississippi
Stoneville 132	
Stoneville LA 887	
Stoneville X84-828	
Coker 320	
Georgia King	
KC 311	
PD 3	Pee Dee Experiment Station
	Florence, South Carolina
Terra C 40	Terra International, Inc.
Terra 207	Memphis, Tennessee
HS 23	Hy Performer Seed Co.
HS 46	Memphis, Tennessee
HS Salcot 10	
Suregrow 1001	Ellis Brothers Seed, Inc.
Suregrow 501	Centre, Alabama
Delcot 344	
Chembred 1233	Chembred, Inc.
Chembred 1135	Maricopa, Arizona
Chembred 407	
Chembred 333	
Paymaster HS 26	Cargill Hybrid Seed
	Aiken, Texas
Acala 1517-88	New Mexico State University
	Las Cruces, New Mexico
GAT 8892	Georgia Coastal Plain
GA 88-88	Experiment Station
GA 14-16	Tifton, Georgia
GA 88-15-19	

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