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1998

alabama



variety  
report

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*Information contained herein is available to all persons regardless of race,  
color, sex, or national origin.*

# 1998 Alabama Cotton Variety Report

## A REPORT OF THE PERFORMANCE OF COTTON VARIETIES TESTED IN ALABAMA

**K. M. Glass, C. D. Monks, and C. H. Burmester<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 the Auburn University Extension SYSTEM to producers. Data are reported on an irrigated test at both 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

Tests were split into early season and full season varieties. Deltapine DP 5409, Deltapine Acala 90, Deltapine NuCotn 33B, and Suregrow 125 were included in both early and full season tests for comparison. The maturity category for each variety was chosen by the company or cooperator. Plot size was two rows at Prattville, Headland, Belle Mina, Shorter, and Fairhope, and one row at Monroeville. Row length varied at different locations from 20 to 120 feet. A randomized complete block experimental design with four replications was used in all tests.

### EXPLANATION OF DATA

#### Harvest of Seed Cotton

Tests at all locations were harvested by a mechanical spindle picker and plot samples were picked by hand. Average seed cotton yield 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 seed cotton weight.

#### Yield of Lint

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

#### Fiber Properties

Fiber qualities of all varieties were measured by the Auburn University Textile Engineering Fiber Physical Testing Laboratory using High Volume Instrumentation (HVI). Data are reported on a single composite sample of each variety from all locations including the regional tests at Shorter and Belle Mina.

#### Length

This is the fiber length measured with the HVI instrument. This measurement of length is similar to the classer's staple.

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<sup>1</sup>*Glass is an Agricultural Program Associate, Monks is an Extension Cotton and Soybean Specialist, and Burmester is an Extension Agronomist in the Auburn University Department of Agronomy and Soils.*

**Strength**

This is 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.

**Earliness**

Earliness is reported as the percentage of the total yield harvested at the first picking where more than one harvest was made.

**Fusarium Wilt**

Reaction of varieties to *Fusarium oxysporum* f. *vasinfectum* (fusarium wilt) was evaluated at the Plant Breeding Unit, Tallahassee. Selected varieties were grown in a field with a high natural incidence of the fusarium wilt disease. In 1998, there was no incidence of Fusarium wilt.

**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>).

**LOCATION OF EXPERIMENTS**

Tennessee Valley Research and Extension Center	B.E. Norris, Supt. H.E. Burgess
Prattville Experiment Field	D.P. Moore, Supt.
E.V. Smith Research Center Field Crops Research Unit, Shorter	J.S. Bannon, Dir. B. Durbin, Supt.
Monroeville Experiment Field	J.R. Akridge, Supt.
Wiregrass Research and Extension Center , Headland	L.N. Wells, Supt. B.E. Gamble
Gulf Coast Research and Extension Center, Fairhope	N.R. McDaniel, Supt. M.D. Pegues

Appreciation is also expressed to Mien-Huei Tzeng, Applied Statistics Consulting Lab, Discrete and Statistical Sciences, for the computation, summarization, and analysis of the data in this report.

TABLE 1. PERFORMANCE OF EARLY SEASON COTTON VARIETIES AT BELLE MINA, ALABAMA, 1998

Variety	1998			2-yr. Av. Lint/Acre lb.	3-yr. Av. Lint/Acre lb.
	Lint/Acre lb.	Lint pct.	Earliness pct.		
Stoneville 474	858	43	-	949	1,081
Suregrow 501	909	44	-	954	1,047
Suregrow 125*	836	41	-	927	1,036
Stoneville X 47	924	43	-	926	1,015
Deltapine NuCotn 33B**	792	40	-	876	988
Deltapine Acala 90**	763	40	-	865	938
Terra 366	759	39	-	843	934
Deltapine DP 5409*	717	40	-	840	932
Terra 292	725	38	-	806	899
Paymaster HS-26	743	39	-	773	860
Stoneville 373	970	42	-	985	-
Deltapine DP 5111	920	41	-	955	-
Deltapine DP 20B	848	41	-	909	-
Deltapine DP 32B	766	39	-	907	-
Paymaster PM 1215BG	809	39	-	906	-
Stoneville BG 4740	875	44	-	903	-
Paymaster PM 1220BG/RR	713	40	-	880	-
Paymaster PM 1220RR	796	41	-	834	-
F'MAX 819	731	41	-	817	-
AgriPro AP 6101	720	40	-	786	-
SGX 105	972	41	-	-	-
SGX 890	907	42	-	-	-
SGX 747	872	42	-	-	-
Paymaster PM 1266	864	41	-	-	-
Deltapine DPX 8C27	861	42	-	-	-
Paymaster PM 1210	852	44	-	-	-
Paymaster PM 1440	839	42	-	-	-
Paymaster PM 1244RR	837	41	-	-	-
AgriPro AP 7115	832	43	-	-	-
Paymaster PM 1330BG	831	40	-	-	-
Deltapine DP 428B	821	40	-	-	-
Stoneville ST X6M021	818	41	-	-	-
PSC 355	810	41	-	-	-
F'MAX 963	800	41	-	-	-
Deltapine DP 425RR	798	39	-	-	-
Paymaster PM 1560BG	791	42	-	-	-
AgriPro AP 6102	790	39	-	-	-
PSC 556	761	43	-	-	-
Texas 224	760	40	-	-	-
Texas 300	760	41	-	-	-
Dyna-Gro 206	752	38	-	-	-
Dyna-Gro 201	752	38	-	-	-
Texas 121	745	39	-	-	-
Dyna-Gro 205	739	39	-	-	-
Deltapine DP 436RR	734	38	-	-	-
Texas 141	584	38	-	-	-
<b>Test Mean</b>	<b>806</b>				
<b>L.S.D. (.05)</b>	<b>111</b>				
<b>C.V.</b>	<b>10%</b>				

\* Early season check varieties. \*\* Full season check varieties.

**TABLE 2. PERFORMANCE OF FULLSEASON COTTON VARIETIES AT BELLE MINA, ALABAMA, 1998**

Variety	1998			2-yr. Av. Lint/Acre <i>lb.</i>	3-yr. Av. Lint/Acre <i>lb.</i>
	Lint/Acre <i>lb.</i>	Lint <i>pct.</i>	Earliness <i>pct.</i>		
Deltapine NuCotn 33B**	955	40	-	1,042	1,132
Suregrow 125*	1,038	43	-	1,026	1,125
Stoneville LA 887	1,057	43	-	1,021	1,084
Deltapine Acala 90**	768	41	-	946	1,034
Deltapine NuCotn 35B	914	41	-	991	1,034
AgriPro HS 44	921	39	-	902	1,010
Deltapine DP 5409*	835	41	-	942	985
AgriPro HS 46	896	42	-	962	978
GA 92-161	676	39	-	837	901
Acala MAXXA	697	42	-	802	800
F <sup>3</sup> MAX 989	1,026	41	-	1,072	-
Deltapine DP 5305	1,013	42	-	1,022	-
Paymaster PM 1560BG	991	42	-	1,011	-
F <sup>3</sup> MAX 975	966	44	-	1,006	-
AgriPro AP 4103	937	40	-	987	-
Deltapine DP 5415 RR	907	41	-	979	-
Suregrow 248	908	42	-	967	-
Suregrow 821	860	39	-	958	-
Deltapine DP 90B	918	40	-	933	-
F <sup>3</sup> MAX 832	895	41	-	921	-
Deltapine DP 5690RR	824	40	-	857	-
Deltapine DP 458BRR	996	42	-	-	-
PSC 952	984	42	-	-	-
Georgia King	982	41	-	-	-
PSC 636	957	41	-	-	-
Tamcot 8104	949	42	-	-	-
PSC 569	870	41	-	-	-
Deltapine DP 655BRR	810	40	-	-	-
Paymaster PM 1580RR	758	40	-	-	-
<b>Test Mean</b>	<b>907</b>				
<b>L.S.D. (.05)</b>	<b>89</b>				
<b>C.V.</b>	<b>7%</b>				

\* Early season check varieties. \*\* Full season check varieties.

**TABLE 3. PERFORMANCE OF EARLY SEASON COTTON VARIETIES AT PRATTVILLE, ALABAMA, 1998**

Variety	1998			2-yr. Av. Lint/Acre lb.	3-yr. Av. Lint/Acre lb.
	Lint/Acre lb.	Lint pct.	Earliness pct.		
Stoneville 474	1,172	42	97	1,356	1,301
Deltapine Acala 90**	1,240	37	98	1,302	1,230
Suregrow 125*	1,142	40	96	1,292	1,230
Deltapine NuCotn 33B**	1,107	37	97	1,294	1,207
Deltapine DP 5409*	1,096	39	95	1,300	1,205
Stoneville X 47	1,051	41	97	1,253	1,194
Suregrow 501	1,010	40	97	1,242	1,178
Rerra 292	934	36	96	1,146	1,097
Terra 366	911	35	98	1,117	1,069
Stoneville 373	1,117	40	98	1,372	-
Stoneville BG 4740	1,336	42	98	1,333	-
Deltapine DP 32B	1,225	39	96	1,332	-
Paymaster PM 1220RR	1,118	41	97	1,196	-
Deltapine DP 5111	1,039	38	97	1,193	-
Paymaster PM 1220BG/RR	1,027	41	97	1,184	-
AgriPro AP 6101	1,014	35	97	1,179	-
F <sup>3</sup> MAX 819	1,071	40	98	1,156	-
Deltapine DP 20B	882	39	96	1,094	-
Paymaster PM 1215BG	934	39	96	1,033	-
Stoneville ST X6M021	1,157	39	97	-	-
SGX 890	1,150	42	96	-	-
Paymaster PM 1440	1,111	40	97	-	-
PSC 355	1,100	40	96	-	-
Dyna-Gro 201	1,091	39	97	-	-
SGX 747	1,081	41	96	-	-
SGX 105	1,076	40	97	-	-
AgriPro AP 7115	1,075	39	97	-	-
Deltapine DP 425RR	1,003	38	97	-	-
PSC 556	987	41	97	-	-
Paymaster PM 1560BG	987	40	95	-	-
Paymaster PM 1330BG	982	38	97	-	-
Deltapine DP 428B	979	37	96	-	-
Paymaster PM 1244RR	974	40	98	-	-
F <sup>3</sup> MAX 963	972	40	96	-	-
Deltapine DP 436RR	967	36	95	-	-
Deltapine DPX 8C27	966	42	97	-	-
Paymaster PM 1266	956	38	96	-	-
Paymaster PM 1210	945	42	97	-	-
Dyna-Gro 206	944	36	96	-	-
AgriPro AP 6102	913	35	97	-	-
Texas 121	914	37	96	-	-
Texas 224	895	38	97	-	-
Dyna-Gro 205	868	37	97	-	-
Texas 300	849	40	97	-	-
Texas 141	643	37	94	-	-
<b>Test Mean</b>	<b>1,023</b>				
<b>L.S.D. (.05)</b>	<b>136</b>				
<b>C.V.</b>	<b>10%</b>				

\* Early season check varieties. \*\* Full season check varieties.

**TABLE 4. PERFORMANCE OF FULL SEASON COTTON VARIETIES AT PRATTVILLE, ALABAMA, 1998**

Variety	1998			2-yr. Av. Lint/Acre <i>lb.</i>	3-yr. Av. Lint/Acre <i>lb.</i>
	Lint/Acre <i>lb.</i>	Lint <i>pct.</i>	Earliness <i>pct.</i>		
Deltapine NuCotn 35B	1,408	39	98	1,368	1,268
Deltapine NuCotn 33B**	1,296	38	98	1,380	1,261
Suregrow 125*	1,166	39	96	1,321	1,256
AgriPro HS 44	1,392	37	97	1,369	1,252
AgriPro HS 46	1,320	39	98	1,339	1,249
Deltapine DP 5409*	1,349	40	98	1,353	1,241
Deltapine Acala 90**	1,243	38	97	1,335	1,217
GA 92-161	957	37	97	1,139	1,074
F <sup>7</sup> MAX 989	1,387	40	98	1,377	-
Suregrow 821	1,307	39	97	1,366	-
F <sup>7</sup> MAX 975	1,276	40	98	1,320	-
AgriPro AP 4103	1,219	37	98	1,292	-
Deltapine DP 5690RR	1,306	39	98	1,288	-
Deltapine DP 90B	1,282	38	98	1,272	-
Paymaster PM 1560BG	1,251	41	97	1,270	-
F <sup>7</sup> MAX 832	1,391	38	99	1,265	-
Deltapine DP 5415 RR	1,128	38	98	1,226	-
Suregrow 248	1,196	40	97	1,213	-
Deltapine DP 655BRR	1,341	39	98	-	-
Deltapine DP 458BRR	1,330	40	98	-	-
PSC 952	1,295	41	98	-	-
PSC 569	1,242	40	97	-	-
PSC 636	1,216	38	98	-	-
Tamcot 8104	1,198	41	98	-	-
Georgia King	1,118	39	97	-	-
Paymaster PM 1580RR	1,106	40	98	-	-
<b>Test Mean</b>	<b>1,258</b>				
<b>L.S.D. (.05)</b>	<b>166</b>				
<b>C.V.</b>	<b>9%</b>				

\* Early season check varieties. \*\* Full season check varieties.



TABLE 5. PERFORMANCE OF EARLY SEASON COTTON VARIETIES AT SHORTER, ALABAMA, 1998

Variety	1998			2-yr. Av. Lint/Acre <i>lb.</i>	3-yr. Av. Lint/Acre <i>lb.</i>
	Lint/Acre <i>lb.</i>	Lint <i>pct.</i>	Earliness <i>pct.</i>		
Suregrow 125*	892	40	-	1,082	1,254
Suregrow 501	922	43	-	1,105	1,239
Deltapine Acala 90**	910	41	-	1,107	1,229
Deltapine DP 5409*	891	43	-	1,087	1,215
Stoneville 474	797	44	-	1,073	1,194
Stoneville X 47	726	44	-	975	1,150
Terra 366	798	40	-	1,001	1,139
Deltapine NuCotn 33B**	875	40	-	974	1,119
Terra 292	780	38	-	960	1,111
Paymaster HS-26	786	38	-	861	960
Deltapine DP 32B	859	41	-	1,144	-
Stoneville 373	815	43	-	1,124	-
F <sup>3</sup> MAX 819	885	43	-	1,110	-
Paymaster PM 1220RR	811	42	-	1,101	-
Paymaster PM 1220BG/RR	834	42	-	1,079	-
Deltapine DP 20B	848	40	-	1,071	-
Deltapine DP 5111	742	39	-	1,058	-
AgriPro AP 6101	941	39	-	1,050	-
Paymaster PM 1215BG	717	42	-	987	-
Stoneville BG 4740	731	44	-	847	-
Paymaster PM 1560BG	916	41	-	-	-
Paymaster PM 1440	916	42	-	-	-
SGX 747	912	43	-	-	-
AgriPro AP 7115	910	42	-	-	-
PSC 355	906	42	-	-	-
SGX 105	904	41	-	-	-
Deltapine DP 428B	900	40	-	-	-
Paymaster PM 1330BG	865	40	-	-	-
SGX 890	854	44	-	-	-
PSC 556	836	42	-	-	-
Deltapine DP 436RR	832	39	-	-	-
Stoneville ST X6M021	817	40	-	-	-
AgriPro AP 6102	795	40	-	-	-
F <sup>3</sup> MAX 963	788	41	-	-	-
Texas 224	779	41	-	-	-
Paymaster PM 1266	774	41	-	-	-
Deltapine DPX 8C27	773	44	-	-	-
Paymaster PM 1210	765	45	-	-	-
Dyna-Gro 201	749	41	-	-	-
Texas 121	741	40	-	-	-
Dyna-Gro 206	734	39	-	-	-
Texas 300	734	42	-	-	-
Paymaster PM 1244RR	720	43	-	-	-
Deltapine DP 425RR	709	40	-	-	-
Dyna-Gro 205	668	39	-	-	-
Texas 141	609	39	-	-	-
<b>Test Mean</b>	<b>814</b>				
<b>L.S.D. (.05)</b>	<b>138</b>				
<b>C.V.</b>	<b>12%</b>				

\* Early season check varieties. \*\* Full season check varieties.

**TABLE 6. PERFORMANCE OF FULLSEASON COTTON VARIETIES AT SHORTER, ALABAMA, 1998<sup>+</sup>**

Variety	1998			2-yr. Av. Lint/Acre <i>lb.</i>	3-yr. Av. Lint/Acre <i>lb.</i>
	Lint/Acre <i>lb.</i>	Lint <i>pct.</i>	Earliness <i>pct.</i>		
Suregrow 125*	923	42	-	1,197	929
Stoneville LA 887	768	44	-	1,141	908
AgriPro HS 44	930	41	-	1,120	898
AgriPro HS 46	844	43	-	1,124	868
Deltapine Acala 90**	767	42	-	1,087	860
Georgia King	747	42	-	1,102	857
Deltapine NuCotn 35B	869	41	-	1,109	-
GA 92-161	786	41	-	1,077	-
Deltapine DP 5409*	790	42	-	1,075	-
Deltapine NuCotn 33B**	750	41	-	1,064	-
Acala MAXXA	621	43	-	759	-
Suregrow 821	928	41	-	-	-
PSC 569	902	43	-	-	-
PSC 952	897	43	-	-	-
F <sup>3</sup> MAX 832	882	42	-	-	-
Deltapine DP 90B	839	40	-	-	-
Tamcot 8104	820	44	-	-	-
Suregrow 248	815	43	-	-	-
Deltapine DP 458BRR	801	43	-	-	-
PSC 636	788	41	-	-	-
Paymaster PM 1560BG	777	43	-	-	-
Deltapine DP 5690RR	773	41	-	-	-
F <sup>3</sup> MAX 989	771	43	-	-	-
Deltapine DP 5305	755	42	-	-	-
Deltapine DP 655BRR	735	41	-	-	-
AgriPro AP 4103	718	40	-	-	-
Deltapine DP 5415 RR	715	44	-	-	-
F <sup>3</sup> MAX 975	680	45	-	-	-
Paymaster PM 1580RR	632	41	-	-	-
<b>Test Mean</b>	<b>794</b>				
<b>L.S.D. (.05)</b>	<b>149</b>				
<b>C.V.</b>	<b>13%</b>				

\* Early season check varieties. \*\* Full season check varieties.

+ 2-yr and 3-yr averages include 1995, 1996, and 1998 yields.

**TABLE 7. PERFORMANCE OF EARLY SEASON COTTON VARIETIES AT MONROEVILLE, ALABAMA, 1998**

Variety	1998			2-yr. Av. Lint/Acre <i>lb.</i>	3-yr. Av. Lint/Acre <i>lb.</i>
	Lint/Acre <i>lb.</i>	Lint <i>pct.</i>	Earliness <i>pct.</i>		
Stoneville 474	1,035	42	-	787	877
Suregrow 125*	817	37	-	697	826
Stoneville X 47	922	41	-	696	816
Deltapine DP 5409*	863	39	-	713	812
Deltapine Acala 90**	852	37	-	716	810
Deltapine NuCotn 33B**	895	38	-	701	799
Suregrow 501	841	37	-	701	774
Terra 292	780	36	-	675	758
Terra 366	701	37	-	587	680
Paymaster PM 1220RR	976	40	-	733	-
Paymaster PM 1220BG/RR	902	39	-	700	-
Stoneville 373	848	40	-	694	-
Deltapine DP 5111	844	37	-	679	-
Deltapine DP 20B	787	38	-	670	-
AgriPro AP 6101	805	35	-	667	-
Deltapine DP 32B	829	37	-	662	-
Stoneville BG 4740	954	41	-	661	-
Paymaster PM 1215BG	791	39	-	625	-
F <sup>3</sup> MAX 819	730	40	-	593	-
Paymaster PM 1266	988	39	-	-	-
PSC 355	985	40	-	-	-
Paymaster PM 1244RR	980	42	-	-	-
Paymaster PM 1210	954	44	-	-	-
SGX 747	934	41	-	-	-
SGX 105	930	39	-	-	-
Paymaster PM 1440	918	39	-	-	-
Deltapine DPX 8C27	887	41	-	-	-
AgriPro AP 7115	884	39	-	-	-
SGX 890	871	40	-	-	-
Stoneville ST X6M021	837	38	-	-	-
Deltapine DP 428B	829	37	-	-	-
AgriPro AP 6102	828	36	-	-	-
Deltapine DP 425RR	825	39	-	-	-
Paymaster PM 1330BG	811	37	-	-	-
Dyna-Gro 205	807	37	-	-	-
F <sup>3</sup> MAX 963	805	39	-	-	-
PSC 556	796	39	-	-	-
Dyna-Gro 206	779	36	-	-	-
Dyna-Gro 201	760	38	-	-	-
Deltapine DP 436RR	725	35	-	-	-
Paymaster PM 1560BG	724	39	-	-	-
Texas 224	713	39	-	-	-
Texas 121	688	37	-	-	-
Texas 300	603	39	-	-	-
Texas 141	549	35	-	-	-
<b>Test Mean</b>	<b>835</b>				
<b>L.S.D. (.05)</b>	<b>116</b>				
<b>C.V.</b>	<b>10%</b>				

\* Early season check varieties. \*\* Full season check varieties.

**TABLE 8. PERFORMANCE OF FULL SEASON COTTON VARIETIES AT MONROEVILLE, ALABAMA, 1998**

Variety	1998			2-yr. Av. Lint/Acre <i>lb.</i>	3-yr. Av. Lint/Acre <i>lb.</i>
	Lint/Acre <i>lb.</i>	Lint <i>pct.</i>	Earliness <i>pct.</i>		
Deltapine NuCotn 33B**	939	39	-	764	829
AgriPro HS 46	914	38	-	710	827
Deltapine NuCotn 35B	923	38	-	743	823
Deltapine Acala 90**	824	38	-	709	814
Suregrow 125*	932	38	-	762	806
GA 92-161	781	38	-	694	790
AgriPro HS 44	936	38	-	721	779
Deltapine DP 5409*	813	39	-	680	752
AgriPro AP 4103	1,023	38	-	790	-
Deltapine DP 5690RR	940	38	-	759	-
F <sup>3</sup> MAX 832	983	39	-	753	-
Deltapine DP 90B	943	38	-	752	-
Suregrow 248	860	38	-	748	-
Suregrow 821	931	40	-	729	-
Paymaster PM 1560BG	801	41	-	699	-
F <sup>3</sup> MAX 989	894	41	-	696	-
Deltapine DP 5415 RR	814	38	-	680	-
F <sup>3</sup> MAX 975	817	40	-	657	-
PSC 952	1,007	42	-	-	-
Tamcot 8104	1,000	41	-	-	-
PSC 569	992	40	-	-	-
Georgia King	920	40	-	-	-
Deltapine DP 655BRR	901	38	-	-	-
PSC 636	900	37	-	-	-
Deltapine DP 458BRR	890	38	-	-	-
Paymaster PM 1580RR	856	40	-	-	-
<b>Test Mean</b>	<b>905</b>				
<b>L.S.D. (.05)</b>	<b>138</b>				
<b>C.V.</b>	<b>11%</b>				

\* Early season check varieties. \*\* Full season check varieties.

TABLE 9. PERFORMANCE OF EARLY SEASON COTTON VARIETIES AT HEADLAND, ALABAMA, 1998

Variety	1998			2-yr. Av. Lint/Acre lb.	3-yr. Av. Lint/Acre lb.
	Lint/Acre lb.	Lint pct.	Earliness pct.		
Suregrow 125*	828	40	-	989	932
Stoneville 474	745	43	-	964	918
Suregrow 501	949	43	-	949	913
Deltapine Acala 90**	782	40	-	955	890
Terra 292	643	37	-	982	879
Stoneville X 47	798	41	-	924	876
Deltapine NuCotn 33B**	917	40	-	956	859
Terra 366	667	39	-	818	781
Deltapine DP 5409*	638	40	-	810	744
Paymaster PM 1220RR	805	41	-	1,061	-
Deltapine DP 32B	921	40	-	1,023	-
Paymaster PM 1220BG/RR	787	41	-	1,021	-
Paymaster PM 1215BG	923	39	-	965	-
Deltapine DP 5111	741	39	-	946	-
F'MAX 819	702	41	-	946	-
Stoneville BG 4740	896	41	-	933	-
AgriPro AP 6101	900	39	-	912	-
Deltapine DP 20B	659	39	-	857	-
Stoneville 373	533	42	-	832	-
AgriPro AP 6102	951	38	-	-	-
Paymaster PM 1244RR	910	42	-	-	-
PSC 355	905	41	-	-	-
SGX 890	895	41	-	-	-
SGX 747	893	42	-	-	-
Stoneville ST X6M021	883	41	-	-	-
AgriPro AP 7115	876	40	-	-	-
SGX 105	874	40	-	-	-
Deltapine DP 428B	850	39	-	-	-
Texas 224	806	40	-	-	-
Dyna-Gro 205	773	38	-	-	-
Deltapine DPX 8C27	773	43	-	-	-
Texas 121	759	40	-	-	-
Paymaster PM 1330BG	731	38	-	-	-
F'MAX 963	719	40	-	-	-
Dyna-Gro 206	704	38	-	-	-
Deltapine DP 436RR	695	37	-	-	-
Paymaster PM 1440	693	40	-	-	-
Paymaster PM 1560BG	653	41	-	-	-
Paymaster PM 1266	637	39	-	-	-
Paymaster PM 1210	635	43	-	-	-
PSC 556	631	41	-	-	-
Deltapine DP 425RR	616	38	-	-	-
Dyna-Gro 201	595	39	-	-	-
Texas 300	562	39	-	-	-
Texas 141	535	36	-	-	-
<b>Test Mean</b>	<b>764</b>				
<b>L.S.D. (.05)</b>	<b>216</b>				
<b>C.V.</b>	<b>20%</b>				

\* Early season check varieties. \*\* Full season check varieties.

**TABLE 10. PERFORMANCE OF FULL SEASON COTTON VARIETIES AT HEADLAND, ALABAMA, 1998**

Variety	1998			2-yr. Av. Lint/Acre <i>lb.</i>	3-yr. Av. Lint/Acre <i>lb.</i>
	Lint/Acre <i>lb.</i>	Lint <i>pct.</i>	Earliness <i>pct.</i>		
Deltapine NuCotn 35B	956	39	-	980	914
AgriPro HS 44	905	38	-	939	907
Suregrow 125*	856	41	-	997	899
Deltapine NuCotn 33B**	826	39	-	952	870
Deltapine Acala 90**	723	39	-	871	843
Deltapine DP 5409*	636	41	-	842	809
GA 92-161	586	40	-	825	787
AgriPro HS 46	660	38	-	797	770
Paymaster PM 1560BG	738	41	-	1,057	-
F <sup>7</sup> MAX 989	832	39	-	986	-
Deltapine DP 90B	819	40	-	969	-
Suregrow 248	899	40	-	961	-
AgriPro AP 4103	866	39	-	922	-
Suregrow 821	728	39	-	917	-
Deltapine DP 5690RR	743	40	-	914	-
F <sup>7</sup> MAX 975	804	41	-	867	-
Deltapine DP 5415RR	695	41	-	864	-
F <sup>7</sup> MAX 832	568	38	-	842	-
Deltapine DP 655BRR	901	39	-	-	-
PSC 952	878	42	-	-	-
Deltapine DP 458BRR	830	39	-	-	-
Georgia King	822	39	-	-	-
PSC 636	752	38	-	-	-
Tamcot 8104	747	42	-	-	-
PSC 569	698	40	-	-	-
Paymaster PM 1580RR	644	40	-	-	-
<b>Test Mean</b>	<b>773</b>				
<b>L.S.D. (.05)</b>	<b>199</b>				
<b>C.V.</b>	<b>18%</b>				

\* Early season check varieties. \*\* Full season check varieties.

**TABLE 11. PERFORMANCE OF EARLY SEASON COTTON VARIETIES AT FAIRHOPE, ALABAMA, 1998**

Variety	1998			2-yr. Av. Lint/Acre <i>lb.</i>	3-yr. Av. Lint/Acre <i>lb.</i>
	Lint/Acre <i>lb.</i>	Lint <i>pct.</i>	Earliness <i>pct.</i>		
Stoneville 474	1,029	41	-	1,179	1,268
Suregrow 501	1,113	41	-	1,246	1,256
Suregrow 125*	1,151	39	-	1,232	1,230
Stoneville X 47	975	41	-	1,157	1,218
Deltapine DP 5409*	913	38	-	1,223	1,210
Deltapine Acala 90**	933	38	-	1,236	1,167
Deltapine NuCotn 33B**	919	37	-	1,158	1,158
Terra 366	875	37	-	1,081	1,082
Terra 292	867	36	-	964	1,054
Deltapine DP 20B	1,166	40	-	1,271	-
Stoneville BG 4740	1,016	40	-	1,266	-
Stoneville 373	993	39	-	1,221	-
Paymaster PM 1220BG/RR	1,105	41	-	1,213	-
Deltapine DP 32B	946	39	-	1,193	-
Paymaster PM 1215BG	1,041	39	-	1,177	-
Deltapine DP 5111	970	36	-	1,163	-
AgriPro AP 6101	946	37	-	1,155	-
Paymaster PM 1220RR	965	40	-	1,105	-
F <sup>3</sup> MAX 819	836	38	-	1,034	-
Paymaster PM 1560BG	1,220	41	-	-	-
SGX 105	1,174	39	-	-	-
SGX 747	1,173	41	-	-	-
Deltapine DP 428B	1,160	39	-	-	-
SGX 890	1,144	41	-	-	-
PSC 355	1,031	40	-	-	-
Deltapine DPX 8C27	1,002	42	-	-	-
Paymaster PM 1266	1,002	38	-	-	-
Paymaster PM 1440	979	39	-	-	-
F <sup>3</sup> MAX 963	978	41	-	-	-
Stoneville ST X6M021	958	39	-	-	-
Paymaster PM 1244RR	958	40	-	-	-
AgriPro AP 6102	952	37	-	-	-
Deltapine DP 425RR	934	37	-	-	-
Dyna-Gro 205	933	38	-	-	-
Paymaster PM 1210	931	43	-	-	-
Deltapine DP 436RR	931	35	-	-	-
AgriPro AP 7115	925	40	-	-	-
Texas 224	909	39	-	-	-
Paymaster PM 1330BG	885	39	-	-	-
Dyna-Gro 201	871	38	-	-	-
Dyna-Gro 206	862	36	-	-	-
Texas 121	810	37	-	-	-
PSC 556	682	39	-	-	-
Texas 141	612	36	-	-	-
Texas 300	599	38	-	-	-
<b>Test Mean</b>	<b>964</b>				
<b>L.S.D. (.05)</b>	<b>111</b>				
<b>C.V.</b>	<b>8%</b>				

\* Early season check varieties. \*\* Full season check varieties.

**TABLE 12. PERFORMANCE OF FULL SEASON COTTON VARIETIES AT FAIRHOPE, ALABAMA, 1998**

Variety	1998			2-yr. Av. Lint/Acre <i>lb.</i>	3-yr. Av. Lint/Acre <i>lb.</i>
	Lint/Acre <i>lb.</i>	Lint <i>pct.</i>	Earliness <i>pct.</i>		
Deltapine NuCotn 35B	993	37	-	1,281	1,259
Suregrow 125*	1,114	39	-	1,272	1,246
AgriPro HS 44	842	37	-	1,137	1,174
AgriPro HS 46	918	35	-	1,171	1,165
GA 92-161	739	38	-	1,107	1,160
Deltapine Acala 90**	829	37	-	1,164	1,129
Deltapine NuCotn 33B**	993	36	-	1,203	1,117
Deltapine DP 5409*	825	37	-	1,159	1,101
Suregrow 248	1,124	41	-	1,335	-
Suregrow 821	1,063	39	-	1,288	-
Paymaster PM 1560BG	1,008	38	-	1,247	-
Deltapine DP 5415 RR	974	39	-	1,211	-
Deltapine DP 90B	876	35	-	1,197	-
AgriPro AP 4103	870	38	-	1,180	-
F <sup>3</sup> MAX 975	776	41	-	1,152	-
F <sup>3</sup> MAX 989	844	37	-	1,120	-
Deltapine DP 5690RR	810	36	-	1,103	-
F <sup>3</sup> MAX 832	745	35	-	1,069	-
PSC 952	1,077	39	-	-	-
Deltapine DP 458BRR	1,039	39	-	-	-
PSC 636	936	36	-	-	-
PSC 569	885	37	-	-	-
Tamcot 8104	860	38	-	-	-
Georgia King	853	37	-	-	-
Deltapine DP 655BRR	845	35	-	-	-
Paymaster PM 1580RR	709	36	-	-	-
<b>Test Mean</b>	<b>906</b>				
<b>L.S.D. (.05)</b>	<b>127</b>				
<b>C.V.</b>	<b>10%</b>				

\* Early season check varieties. \*\* Full season check varieties.



**TABLE 13. PERFORMANCE OF EARLY SEASON COTTON VARIETIES IN ALABAMA,  
AVERAGE OF ALL LOCATIONS**

Variety	Yield, Lint/Acre			Lint			Earliness		
	1998 <i>lb.</i>	1997-98 <i>lb.</i>	1996-98 <i>lb.</i>	1998 <i>pct.</i>	1997-98 <i>pct.</i>	1996-98 <i>pct.</i>	1998 <i>pct.</i>	1997-98 <i>pct.</i>	1996-98 <i>pct.</i>
Stoneville 474	939	1,051	1,106	43	42	42	97	96	92
Suregrow 125*	944	1,036	1,085	40	40	40	96	94	92
Suregrow 501	957	1,033	1,068	41	41	41	97	93	89
Stoneville X 47	899	989	1,045	42	42	41	97	96	92
Deltapine Acala 90**	913	1,030	1,044	39	39	39	98	92	88
Deltapine NuCotn 33B**	918	993	1,022	39	39	39	97	95	91
Deltapine DP 5409*	853	996	1,020	40	40	40	95	94	91
Terra 292	788	922	967	37	37	37	96	92	89
Terra 366	785	908	947	38	38	38	98	97	93
Deltapine DP 32B	924	1,044	-	39	39	-	96	95	-
Stoneville 373	879	1,038	-	41	41	-	98	93	-
Paymaster PM 1220BG/RR	895	1,013	-	41	40	-	97	95	-
Paymaster PM 1220RR	912	1,005	-	41	40	-	97	92	-
Deltapine DP 5111	876	999	-	38	38	-	97	97	-
Stoneville BG 4740	968	990	-	42	42	-	98	95	-
Deltapine DP 20B	865	979	-	40	39	-	96	95	-
AgriPro AP 6101	888	958	-	38	38	-	97	92	-
Paymaster PM 1215BG	869	949	-	40	39	-	96	95	-
F'MAX 819	826	943	-	41	41	-	98	97	-
SGX 105	988	-	-	40	-	-	97	-	-
SGX 747	977	-	-	42	-	-	96	-	-
SGX 890	970	-	-	42	-	-	96	-	-
PSC 355	956	-	-	41	-	-	96	-	-
Deltapine DP 428B	923	-	-	39	-	-	96	-	-
AgriPro AP 7115	917	-	-	41	-	-	97	-	-
Stoneville ST X6M021	912	-	-	40	-	-	97	-	-
Paymaster PM 1440	909	-	-	40	-	-	97	-	-
Paymaster PM 1244RR	896	-	-	41	-	-	98	-	-
Paymaster PM 1560BG	882	-	-	41	-	-	95	-	-
Deltapine DPX 8C27	877	-	-	42	-	-	97	-	-
AgriPro AP 6102	872	-	-	38	-	-	97	-	-
Paymaster PM 1266	870	-	-	39	-	-	96	-	-
Paymaster PM 1330BG	851	-	-	39	-	-	97	-	-
Paymaster PM 1210	847	-	-	44	-	-	97	-	-
F'MAX 963	844	-	-	40	-	-	96	-	-
Deltapine DP 425RR	814	-	-	39	-	-	97	-	-
Deltapine DP 436RR	814	-	-	37	-	-	95	-	-
Texas 224	810	-	-	40	-	-	97	-	-
Dyna-Gro 201	803	-	-	39	-	-	97	-	-
Dyna-Gro 205	798	-	-	38	-	-	97	-	-
Dyna-Gro 206	796	-	-	37	-	-	96	-	-
PSC 556	782	-	-	41	-	-	97	-	-
Texas 121	776	-	-	38	-	-	96	-	-
Texas 300	685	-	-	40	-	-	97	-	-
Texas 141	589	-	-	37	-	-	94	-	-
The following was at two locations only:									
Paymaster HS-26	764	817	910	39	37	37	-	-	-

\* Early season check varieties. \*\* Full season check varieties.

**TABLE 14. PERFORMANCE OF FULL SEASON COTTON VARIETIES IN ALABAMA,  
AVERAGE OF ALL LOCATIONS**

Variety	Yield, Lint/Acre			Lint			Earliness		
	1998 <i>lb.</i>	1997-98 <i>lb.</i>	1996-98 <i>lb.</i>	1998 <i>pct.</i>	1997-98 <i>pct.</i>	1996-98 <i>pct.</i>	1998 <i>pct.</i>	1997-98 <i>pct.</i>	1996-98 <i>pct.</i>
Suregrow 125*	1,005	1,067	1,084	40	40	40	96	95	91
Deltapine NuCotn 35B	1,010	1,059	1,068	39	38	39	98	96	90
Deltapine NuCotn 33B**	960	1,047	1,049	39	39	39	98	96	92
AgriPro HS 44	988	1,008	1,035	38	38	38	97	95	90
Deltapine Acala 90**	859	996	1,023	39	39	39	97	94	89
AgriPro HS 46	926	988	1,015	39	39	39	98	97	90
Deltapine DP 5409*	875	987	995	40	40	39	98	96	93
Stoneville LA 887	913	949	989	44	41	40	-	-	-
GA 92-161	754	924	966	39	39	38	97	93	89
Acala MAXXA	659	783	804	43	42	41	-	-	-
Suregrow 821	970	1,048	-	40	39	-	97	96	-
Paymaster PM 1560BG	928	1,042	-	41	41	-	97	94	-
F'MAX 989	959	1,032	-	40	40	-	98	97	-
Suregrow 248	967	1,030	-	41	41	-	97	93	-
Deltapine DP 90B	946	1,014	-	39	38	-	98	97	-
AgriPro AP 4103	939	1,012	-	39	39	-	98	96	-
Deltapine DP 5305	884	1,006	-	42	42	-	-	-	-
F'MAX 975	887	980	-	42	41	-	98	96	-
Deltapine DP 5415 RR	872	976	-	40	40	-	98	94	-
Deltapine DP 5690RR	899	972	-	39	39	-	98	96	-
F'MAX 832	911	967	-	39	39	-	99	98	-
PSC 952	1,023	-	-	42	-	-	98	-	-
Deltapine DP 458BRR	981	-	-	40	-	-	98	-	-
PSC 569	931	-	-	40	-	-	97	-	-
Tamcot 8104	929	-	-	41	-	-	98	-	-
PSC 636	925	-	-	39	-	-	98	-	-
Deltapine DP 655BRR	922	-	-	39	-	-	98	-	-
Georgia King	907	-	-	40	-	-	97	-	-
Paymaster PM 1580RR	784	-	-	40	-	-	98	-	-

\* Early season check varieties. \*\* Full season check varieties.

**TABLE 15. PERFORMANCE OF EARLY SEASON IRRIGATED COTTON VARIETIES  
AT BELLE MINA, ALABAMA, 1998**

Variety	1998			2-yr. Av. Lint/Acre <i>lb.</i>	3-yr. Av. Lint/Acre <i>lb.</i>
	Lint/Acre <i>lb.</i>	Lint <i>pct.</i>	Earliness <i>pct.</i>		
Stoneville 474	1,699	42	95	1,512	1,515
Suregrow 125*	1,594	40	96	1,335	1,400
Deltapine NuCotn 33B**	1,370	38	88	1,321	1,379
Deltapine DP 5409*	1,327	38	93	1,271	1,327
Deltapine Acala 90**	1,390	38	89	1,240	1,324
AgriPro AP 6101	1,452	39	91	1,332	-
Deltapine DP 32B	1,368	38	88	1,310	-
Deltapine DP 20B	1,561	40	92	-	-
SGX 747	1,475	40	95	-	-
Paymaster PM 1220BG/RR	1,462	39	94	-	-
Stoneville 373	1,454	40	95	-	-
AgriPro AP 7115	1,416	40	92	-	-
Paymaster PM 1330BG	1,256	38	95	-	-
<b>Test Mean</b>	<b>1,448</b>				
<b>L.S.D. (.05)</b>	<b>216</b>				
<b>C.V.</b>	<b>10%</b>				

\* Early season check varieties. \*\* Full season check varieties.

**TABLE 16. PERFORMANCE OF FULL SEASON IRRIGATED COTTON VARIETIES  
AT BELLE MINA, ALABAMA, 1998**

Variety	1998			2-yr. Av. Lint/Acre <i>lb.</i>	3-yr. Av. Lint/Acre <i>lb.</i>
	Lint/Acre <i>lb.</i>	Lint <i>pct.</i>	Earliness <i>pct.</i>		
Suregrow 125*	1,774	39	95	1,536	1,528
Deltapine DP 5409*	1,579	38	92	1,409	1,458
Deltapine NuCotn 33B**	1,606	37	88	1,464	1,445
Deltapine Acala 90**	1,593	39	89	1,407	1,345
F <sup>3</sup> MAX 989	1,442	39	90	1,345	-
Suregrow 248	1,734	42	88	1,278	-
F <sup>3</sup> MAX 832	1,333	38	92	1,156	-
Stoneville X 47	1,774	40	93	-	-
Stoneville BG 4740	1,745	41	91	-	-
Paymaster PM 1560BG	1,626	40	94	-	-
Suregrow 821	1,572	38	91	-	-
Deltapine DP 458BRR	1,526	39	87	-	-
Deltapine DP 655BRR	1,496	38	89	-	-
<b>Test Mean</b>	<b>1,600</b>				
<b>L.S.D. (.05)</b>	<b>128</b>				
<b>C.V.</b>	<b>6%</b>				

\* Early season check varieties. \*\* Full season check varieties.

**TABLE 17. PERFORMANCE OF EARLY SEASON IRRIGATED COTTON VARIETIES  
AT SHORTER, ALABAMA, 1998**

Variety	1998			2-yr. Av. Lint/Acre <i>lb.</i>	3-yr. Av. Lint/Acre <i>lb.</i>
	Lint/Acre <i>lb.</i>	Lint <i>pct.</i>	Earliness <i>pct.</i>		
Stoneville 474	1,015	45	-	1,390	1,438
Suregrow 125*	997	43	-	1,283	1,337
Deltapine DP 5409*	898	42	-	1,314	1,312
Deltapine Acala 90**	881	42	-	1,256	1,291
Deltapine NuCotn 33B**	919	40	-	1,233	1,289
Deltapine DP 32B	989	41	-	1,291	-
AgriPro AP 6101	917	41	-	1,186	-
SGX 747	1,010	43	-	-	-
Paymaster PM 1330BG	925	41	-	-	-
Deltapine DP 20B	910	41	-	-	-
AgriPro AP 7115	889	43	-	-	-
Paymaster PM 1220BG/RR	854	43	-	-	-
Stoneville 373	748	45	-	-	-
<b>Test Mean</b>	<b>919</b>				
<b>L.S.D. (.05)</b>	<b>136</b>				
<b>C.V.</b>	<b>10%</b>				

\* Early season check varieties. \*\* Full season check varieties.

**TABLE 18. PERFORMANCE OF FULL SEASON IRRIGATED COTTON VARIETIES  
AT SHORTER, ALABAMA, 1998**

Variety	1998			2-yr. Av. Lint/Acre <i>lb.</i>	3-yr. Av. Lint/Acre <i>lb.</i>
	Lint/Acre <i>lb.</i>	Lint <i>pct.</i>	Earliness <i>pct.</i>		
Suregrow 125*	848	43	-	1,335	1,385
Deltapine Acala 90**	864	41	-	1,394	1,378
Deltapine NuCotn 33B**	801	41	-	1,270	1,359
Deltapine DP 5409*	843	43	-	1,295	1,348
F'MAX 989	870	43	-	1,275	-
F'MAX 832	981	42	-	1,272	-
Suregrow 248	870	42	-	1,157	-
Deltapine DP 458BRR	886	42	-	-	-
Paymaster PM 1560BG	885	43	-	-	-
Stoneville X 47	867	44	-	-	-
Suregrow 821	855	43	-	-	-
Deltapine DP 655BRR	817	38	-	-	-
Stoneville BG 4740	789	44	-	-	-
<b>Test Mean</b>	<b>860</b>				
<b>L.S.D. (.05)</b>	<b>137</b>				
<b>C.V.</b>	<b>11%</b>				

\* Early season check varieties. \*\* Full season check varieties.

TABLE 19. COTTON FIBER ANALYSIS, HVI, BELLE MINA, ALABAMA, 1998

Brand-Variety	Micronaire <i>units</i>	Length <i>in.</i>	Uniformity <i>pct.</i>	Strength <i>g/tex</i>	Elongation <i>pct.</i>
<b>Early season</b>					
AgriPro AP 6101	4.0	1.18	83	30.5	9.6
AgriPro AP 6102	4.3	1.21	84	30.0	9.4
AgriPro AP 7115	5.1	1.11	84	27.0	8.6
Deltapine DP 5111	4.9	1.11	86	30.0	7.2
Deltapine DP 5409	4.2	1.13	83	30.0	9.0
Deltapine DP 20B	4.6	1.12	84	26.0	10.0
Deltapine DP 32B	4.3	1.12	83	28.0	9.2
Deltapine DP 428B	4.6	1.15	84	25.5	8.6
Deltapine DP 425RR	4.7	1.13	83	28.0	9.4
Deltapine DP 436RR	4.4	1.16	85	27.5	9.2
Deltapine DPX 8C27	4.8	1.10	84	25.0	9.0
Dyna-Gro 201	4.7	1.14	84	27.0	8.6
Dyna-Gro 205	4.8	1.13	83	28.0	8.2
Dyna-Gro 206	4.4	1.13	84	27.5	9.4
F <sup>3</sup> Max 819	4.3	1.14	85	31.0	6.6
F <sup>3</sup> Max 963	4.0	1.08	84	30.0	7.4
PM 1210	4.9	1.04	84	23.5	8.8
PM 1266	4.6	1.16	84	25.0	7.6
PM 1440	4.8	1.12	83	28.0	7.4
PM 1215BG	4.5	1.13	86	29.0	9.6
PM 1330BG	4.6	1.16	86	28.0	8.6
PM 1560BG	4.5	1.10	84	29.0	8.4
PM 1220RR	4.6	1.08	85	28.5	9.6
PM 1244RR	4.7	1.05	85	27.5	9.4
PM 1220BG/RR	4.6	1.09	83	28.0	8.8
PSC 355	4.8	1.12	85	29.0	10.6
PSC 556	3.6	1.15	82	30.5	8.2
Stoneville 373	4.4	1.12	83	26.0	8.6
Stoneville 474	4.7	1.09	85	26.5	9.2
Stoneville BXN 47	4.5	1.11	83	27.5	9.0
Stoneville BG 4740	4.8	1.10	83	28.5	8.0
Stoneville X6M021	5.0	1.12	87	32.5	7.6
Suregrow 105	4.9	1.17	86	29.0	9.4
Suregrow 125	4.5	1.13	85	25.5	9.6
Suregrow 501	4.5	1.13	87	31.0	9.0
Suregrow 747	4.9	1.14	84	27.0	9.4
Suregrow 890	4.4	1.13	84	26.5	10.0
Terra 292	4.8	1.14	84	26.0	9.4
Terra 366	4.5	1.12	84	25.5	9.6
Texas 121	4.2	1.14	82	31.0	8.4
Texas 141	4.1	1.11	82	27.5	7.4
Texas 224	3.7	1.11	84	28.5	9.6
Texas 300	4.1	1.07	82	27.0	7.2

TABLE 19, CONTINUED. COTTON FIBER ANALYSIS, HVI, BELLE MINA, ALABAMA, 1998

Brand-Variety	Micronaire <i>units</i>	Length <i>in.</i>	Uniformity <i>pct.</i>	Strength <i>g/tex</i>	Elongation <i>pct.</i>
<b>Full season</b>					
AgriPro AP 4103	4.1	1.14	84	29.5	7.2
AgriPro HS 44	4.1	1.14	83	29.5	6.8
AgriPro HS 46	3.7	1.16	82	30.0	7.2
Deltapine Acala 90	3.9	1.15	84	31.0	6.8
Deltapine DP 90B	4.1	1.11	83	30.5	7.0
Deltapine NuCotn 33B	3.6	1.16	84	27.5	8.6
Deltapine NuCotn 35B	4.0	1.13	83	30.0	6.4
Deltapine DP 5415RR	4.2	1.12	84	29.0	9.6
Deltapine DP 5690RR	3.9	1.12	82	33.0	8.2
Deltapine DP 458BRR	4.1	1.14	83	27.5	8.8
Deltapine DP 655BRR	3.6	1.11	82	30.0	7.4
F <sup>7</sup> Max 832	4.0	1.19	85	30.5	7.2
F <sup>7</sup> Max 975	3.7	1.17	83	28.5	7.8
F <sup>7</sup> Max 989	3.7	1.18	82	32.5	6.4
GA 92-161	3.7	1.20	83	31.5	7.8
Georgia King	4.6	1.12	82	28.5	7.2
PM 1560BG	5.0	1.10	84	26.5	9.0
PM 1580RR	4.1	1.10	82	30.5	8.2
PSC 569	3.7	1.12	84	31.5	8.4
PSC 636	4.1	1.13	84	30.0	7.6
PSC 952	4.2	1.13	84	27.5	9.6
Suregrow 248	4.3	1.19	83	30.5	8.0
Suregrow 821	3.9	1.15	86	28.0	10.0
Tamcot 8104	4.0	1.10	83	27.5	9.2

TABLE 20. COTTON FIBER ANALYSIS, HVI, PRATTVILLE, ALABAMA, 1998

Brand-Variety	Micronaire <i>units</i>	Length <i>in.</i>	Uniformity <i>pct.</i>	Strength <i>g/tex</i>	Elongation <i>pct.</i>
<b>Early season</b>					
AgriPro AP 6101	4.6	1.20	85	31.0	8.6
AgriPro AP 6102	4.4	1.22	86	31.5	8.6
AgriPro AP 7115	4.5	1.14	86	29.5	9.2
Deltapine DP 5111	4.6	1.09	85	31.0	8.0
Deltapine DP 5409	4.9	1.16	85	29.5	8.4
Deltapine DP 20B	4.3	1.12	84	28.0	9.0
Deltapine DP 32B	4.8	1.14	86	28.5	8.4
Deltapine DP 428B	4.7	1.17	86	26.5	9.0
Deltapine DP 425RR	5.0	1.11	85	26.0	9.2
Deltapine DP 436RR	5.0	1.15	85	27.0	9.4
Deltapine DPX 8C27	5.3	1.12	84	28.5	10.2
Dyna-Gro 201	4.9	1.13	86	28.5	8.4
Dyna-Gro 205	4.8	1.14	86	28.5	8.2
Dyna-Gro 206	5.0	1.13	87	25.5	9.2
F <sup>2</sup> Max 819	4.6	1.18	87	30.5	6.8
F <sup>2</sup> Max 963	4.9	1.10	86	28.5	7.4
PM 1210	4.8	1.10	86	26.5	7.8
PM 1266	4.7	1.15	84	28.0	8.2
PM 1440	5.2	1.14	86	28.5	7.6
PM 1215BG	4.9	1.13	86	29.5	9.2
PM 1330BG	4.6	1.11	85	28.5	8.4
PM 1560BG	5.2	1.12	85	27.5	8.8
PM 1220RR	5.1	1.13	86	29.0	10.0
PM 1244RR	4.9	1.06	85	28.5	8.6
PM 1220BG/RR	5.3	1.07	84	29.5	8.4
PSC 355	5.1	1.15	88	31.5	9.6
PSC 556	4.3	1.19	85	31.0	8.0
Stoneville 373	4.8	1.16	85	24.5	6.8
Stoneville 474	5.0	1.10	84	27.5	8.8
Stoneville BXN 47	4.7	1.09	83	25.5	8.2
Stoneville BG 4740	5.0	1.13	85	29.0	8.6
Stoneville X6M021	5.1	1.14	87	34.0	8.0
Suregrow 105	5.3	1.15	85	30.0	8.8
Suregrow 125	5.2	1.14	84	27.5	9.0
Suregrow 501	4.9	1.18	88	29.5	8.4
Suregrow 747	5.1	1.13	86	27.0	10.0
Suregrow 890	4.7	1.18	84	28.0	9.0
Terra 292	4.9	1.16	86	26.5	9.0
Terra 366	4.5	1.13	86	27.0	9.0
Texas 121	4.8	1.17	86	34.5	8.0
Texas 141	4.5	1.14	83	29.5	7.2
Texas 224	4.5	1.13	86	27.0	9.0
Texas 300	4.8	1.09	83	28.5	6.4

**TABLE 20, CONTINUED. COTTON FIBER ANALYSIS, HVI, PRATTVILLE, ALABAMA, 1998**

Brand-Variety	Micronaire <i>units</i>	Length <i>in.</i>	Uniformity <i>pct.</i>	Strength <i>g/tex</i>	Elongation <i>pct.</i>
<b>Full season</b>					
AgriPro AP 4103	4.7	1.14	85	28.5	7.6
AgriPro HS 44	5.0	1.15	85	29.0	8.0
AgriPro HS 46	4.0	1.17	83	32.5	7.8
Deltapine Acala 90	4.2	1.10	84	33.0	7.2
Deltapine DP 90B	4.3	1.14	84	33.0	7.0
Deltapine NuCotn 33B	4.8	1.15	83	27.0	9.8
Deltapine NuCotn 35B	4.8	1.15	85	32.0	7.2
Deltapine DP 5415RR	4.4	1.14	83	32.0	8.6
Deltapine DP 5690RR	4.4	1.10	82	30.5	8.2
Deltapine DP 458BRR	4.8	1.14	83	31.0	8.8
Deltapine DP 655BRR	4.5	1.12	84	31.0	7.6
F <sup>7</sup> Max 832	4.4	1.23	86	33.5	7.4
F <sup>7</sup> Max 975	3.9	1.17	83	30.5	5.9
F <sup>7</sup> Max 989	4.4	1.14	84	31.0	6.6
GA 92-161	4.2	1.16	84	32.0	7.2
Georgia King	4.3	1.13	84	29.5	7.0
PM 1560BG	4.8	1.11	86	29.0	8.6
PM 1580RR	4.7	1.08	85	29.0	7.6
PSC 569	4.6	1.07	84	32.5	8.4
PSC 636	4.7	1.12	82	30.0	8.0
PSC 952	4.9	1.05	83	27.0	9.2
Suregrow 248	4.7	1.16	84	31.5	6.4
Suregrow 821	4.5	1.11	84	30.0	10.8
Tamcot 8104	4.4	1.09	83	28.0	8.0



TABLE 21. COTTON FIBER ANALYSIS, HVI, SHORTER, ALABAMA, 1998

Brand-Variety	Micronaire <i>units</i>	Length <i>in.</i>	Uniformity <i>pct.</i>	Strength <i>g/tex</i>	Elongation <i>pct.</i>
<b>Early season</b>					
AgriPro AP 6101	4.9	0.98	82	26.5	9.0
AgriPro AP 6102	4.9	1.03	84	31.0	10.0
AgriPro AP 7115	4.5	0.96	83	26.5	9.2
Deltapine DP 5111	5.2	0.97	83	27.5	7.6
Deltapine DP 5409	4.8	1.03	83	29.5	8.4
Deltapine DP 20B	4.6	0.99	83	23.5	10.4
Deltapine DP 32B	5.2	0.99	83	26.0	8.6
Deltapine DP 428B	4.8	1.01	84	24.0	9.4
Deltapine DP 425RR	5.2	0.99	83	24.5	8.8
Deltapine DP 436RR	5.0	1.04	84	27.0	10.4
Deltapine DPX 8C27	5.6	0.99	84	23.0	8.4
Dyna-Gro 201	4.6	0.98	82	26.5	9.0
Dyna-Gro 205	5.1	1.01	84	25.0	8.8
Dyna-Gro 206	4.7	1.02	85	26.0	9.4
F <sup>2</sup> Max 819	4.9	1.07	86	29.5	7.0
F <sup>2</sup> Max 963	4.7	0.96	83	26.0	8.6
PM 1210	5.1	0.97	82	24.5	8.8
PM 1266	4.7	1.00	82	23.5	7.2
PM 1440	5.0	0.99	84	24.0	8.6
PM 1215BG	5.1	1.05	85	28.0	8.6
PM 1330BG	5.0	1.01	84	25.5	8.4
PM 1560BG	5.2	1.03	86	25.5	9.0
PM 1220RR	5.1	1.01	84	28.5	9.6
PM 1244RR	5.4	0.97	83	25.5	8.8
PM 1220BG/RR	5.4	1.00	84	28.0	9.2
PSC 355	5.2	1.03	86	29.0	10.8
PSC 556	4.9	1.00	84	27.0	8.2
Stoneville 373	4.9	1.01	83	23.5	8.0
Stoneville 474	5.2	0.94	84	26.0	9.4
Stoneville BXN 47	4.9	0.99	84	25.0	9.2
Stoneville BG 4740	5.2	1.04	83	26.5	8.6
Stoneville X6M021	5.1	0.95	83	30.5	8.6
Suregrow 105	4.9	1.03	86	25.5	9.2
Suregrow 125	5.0	1.02	85	25.0	9.2
Suregrow 501	4.9	0.94	83	28.5	9.8
Suregrow 747	5.1	1.00	83	24.5	10.0
Suregrow 890	5.5	0.99	83	23.5	9.2
Terra 292	4.9	0.99	82	25.5	9.4
Terra 366	4.9	1.00	83	24.0	9.0
Texas 121	5.1	1.01	83	27.5	8.6
Texas 141	4.5	0.97	79	25.5	7.2
Texas 224	4.6	0.98	84	26.5	8.6
Texas 300	4.9	0.96	82	24.5	7.2

TABLE 21, CONTINUED. COTTON FIBER ANALYSIS, HVI, SHORTER, ALABAMA, 1998

Brand-Variety	Micronaire <i>units</i>	Length <i>in.</i>	Uniformity <i>pct.</i>	Strength <i>g/tex</i>	Elongation <i>pct.</i>
<b>Full season</b>					
AgriPro AP 4103	4.9	1.02	84	25.5	7.2
AgriPro HS 44	5.2	1.01	83	26.5	7.6
AgriPro HS 46	4.6	1.02	83	29.0	8.0
Deltapine Acala 90	5.0	1.01	83	29.5	7.6
Deltapine DP 90B	4.9	1.03	83	27.5	7.2
Deltapine NuCotn 33B	4.8	0.98	83	26.5	9.4
Deltapine NuCotn 35B	4.8	0.99	81	28.0	7.0
Deltapine DP 5415RR	5.2	0.98	82	25.5	8.8
Deltapine DP 5690RR	4.9	1.02	85	28.0	7.4
Deltapine DP 458BRR	5.0	1.02	82	29.0	8.8
Deltapine DP 655BRR	4.7	1.02	84	27.5	7.2
F'Max 832	4.8	1.06	83	26.5	7.0
F'Max 975	4.9	1.01	83	26.0	5.8
F'Max 989	5.0	0.97	83	27.0	7.2
GA 92-161	4.7	1.06	83	29.0	7.6
Georgia King	4.6	1.02	83	28.0	7.6
PM 1560BG	4.8	1.01	82	26.0	8.4
PM 1580RR	4.9	1.01	82	28.5	8.2
PSC 569	5.4	0.99	85	29.0	9.0
PSC 636	4.5	1.01	83	26.0	7.8
PSC 952	5.2	0.98	83	26.0	9.6
Suregrow 248	4.8	1.04	81	25.5	7.4
Suregrow 821	5.1	1.00	85	25.0	11.0
Tamcot 8104	4.9	1.00	83	26.5	8.2

TABLE 22. COTTON FIBER ANALYSIS, HVI, MONROEVILLE, ALABAMA, 1998

Brand-Variety	Micronaire <i>units</i>	Length <i>in.</i>	Uniformity <i>pct.</i>	Strength <i>g/tex</i>	Elongation <i>pct.</i>
<b>Early season</b>					
AgriPro AP 6101	4.5	1.06	83	29.0	8.6
AgriPro AP 6102	4.9	1.15	85	31.5	8.4
AgriPro AP 7115	4.4	1.10	83	29.0	7.6
Deltapine DP 5111	4.6	1.07	83	29.5	7.6
Deltapine DP 5409	4.4	1.11	84	29.5	7.6
Deltapine DP 20B	4.3	1.09	84	28.0	7.4
Deltapine DP 32B	4.7	1.06	81	27.0	7.8
Deltapine DP 428B	4.7	1.09	82	25.5	8.0
Deltapine DP 425RR	4.7	1.04	80	25.5	8.8
Deltapine DP 436RR	4.5	1.08	82	26.0	9.0
Deltapine DPX 8C27	4.8	1.07	83	27.0	7.8
Dyna-Gro 201	4.2	1.09	83	29.0	8.0
Dyna-Gro 205	4.2	1.08	85	28.5	8.0
Dyna-Gro 206	4.7	1.06	82	28.0	8.6
F <sup>o</sup> Max 819	3.8	1.18	85	33.0	6.6
F <sup>o</sup> Max 963	4.0	1.04	82	28.5	8.0
PM 1210	4.5	1.03	82	25.5	7.6
PM 1266	4.3	1.13	83	27.5	6.4
PM 1440	4.7	1.04	84	28.0	7.6
PM 1215BG	4.9	1.13	84	30.0	8.4
PM 1330BG	3.9	1.13	82	29.5	7.0
PM 1560BG	4.3	1.09	82	30.5	9.4
PM 1220RR	5.1	1.09	86	30.5	9.0
PM 1244RR	4.9	1.07	84	30.5	9.0
PM 1220BG/RR	4.5	1.12	84	27.5	8.0
PSC 355	4.5	1.11	85	30.5	10.0
PSC 556	4.3	1.12	83	29.5	7.6
Stoneville 373	3.8	1.10	82	27.5	7.2
Stoneville 474	4.8	1.06	84	30.5	8.4
Stoneville BXN 47	4.2	1.10	84	27.5	8.0
Stoneville BG 4740	4.3	1.09	84	29.5	8.0
Stoneville X6M021	4.8	1.08	84	33.0	8.6
Suregrow 105	4.6	1.11	82	31.5	8.2
Suregrow 125	4.6	1.08	84	28.0	9.8
Suregrow 501	4.6	1.10	85	33.5	7.4
Suregrow 747	4.7	1.09	85	27.0	9.8
Suregrow 890	4.5	1.04	82	25.5	8.6
Terra 292	4.3	1.09	81	26.5	8.4
Terra 366	4.3	1.11	84	26.5	8.0
Texas 121	4.2	1.11	84	32.0	8.4
Texas 141	3.7	1.08	80	25.0	6.6
Texas 224	4.1	1.03	81	27.5	8.6
Texas 300	4.5	1.07	82	24.0	6.2

**TABLE 22, CONTINUED. COTTON FIBER ANALYSIS, HVI, MONROEVILLE, ALABAMA, 1998**

Brand-Variety	Micronaire <i>units</i>	Length <i>in.</i>	Uniformity <i>pct.</i>	Strength <i>g/tex</i>	Elongation <i>pct.</i>
<b>Full season</b>					
AgriPro AP 4103	4.6	1.11	83	31.5	7.0
AgriPro HS 44	4.5	1.12	83	33.0	7.4
AgriPro HS 46	4.0	1.04	83	31.0	7.0
Deltapine Acala 90	4.3	1.09	83	31.0	6.2
Deltapine DP 90B	4.5	1.06	82	30.0	5.8
Deltapine NuCotn 33B	4.6	1.10	82	29.0	8.0
Deltapine NuCotn 35B	4.7	1.08	84	26.0	6.8
Deltapine DP 5415RR	4.5	1.05	83	29.0	7.0
Deltapine DP 5690RR	4.3	1.10	85	32.0	6.4
Deltapine DP 458BRR	4.4	1.07	82	30.0	7.6
Deltapine DP 655BRR	4.4	1.11	83	31.0	6.0
F'Max 832	4.2	1.18	82	32.0	5.2
F'Max 975	4.5	1.09	83	28.0	5.0
F'Max 989	4.1	1.10	84	32.0	6.0
GA 92-161	4.1	1.10	82	32.0	6.8
Georgia King	4.2	1.13	83	29.0	6.8
PM 1560BG	4.5	1.08	83	29.5	8.2
PM 1580RR	4.3	1.10	83	31.5	7.2
PSC 569	4.4	1.09	84	35.5	7.6
PSC 636	4.6	1.12	85	31.0	7.6
PSC 952	4.4	1.08	83	29.5	8.4
Suregrow 248	4.6	1.18	85	31.0	6.6
Suregrow 821	4.4	1.10	83	30.0	8.4
Tamcot 8104	3.9	1.08	82	29.0	8.0

TABLE 23. COTTON FIBER ANALYSIS, HVI, HEADLAND, ALABAMA, 1998

Brand-Variety	Micronaire <i>units</i>	Length <i>in.</i>	Uniformity <i>pct.</i>	Strength <i>g/tex</i>	Elongation <i>pct.</i>
<b>Early season</b>					
AgriPro AP 6101	4.7	1.13	85	27.5	8.6
AgriPro AP 6102	4.6	1.13	85	29.0	8.4
AgriPro AP 7115	4.5	1.12	85	26.0	7.6
Deltapine DP 5111	4.8	1.11	86	26.5	6.8
Deltapine DP 5409	4.0	1.08	82	27.0	8.4
Deltapine DP 20B	4.4	1.11	84	25.5	9.2
Deltapine DP 32B	4.9	1.10	85	27.0	9.0
Deltapine DP 428B	4.7	1.12	83	25.0	7.6
Deltapine DP 425RR	4.8	1.12	84	23.5	7.8
Deltapine DP 436RR	4.5	1.14	85	25.5	9.4
Deltapine DPX 8C27	5.0	1.10	87	25.0	7.8
Dyna-Gro 201	4.5	1.10	84	26.0	8.4
Dyna-Gro 205	4.5	1.11	85	26.0	8.6
Dyna-Gro 206	4.7	1.15	85	24.0	8.8
F'Max 819	4.6	1.20	87	28.0	6.2
F'Max 963	4.1	1.07	86	27.0	7.8
PM 1210	4.8	1.09	85	23.5	7.4
PM 1266	4.4	1.16	84	23.0	6.8
PM 1440	4.5	1.10	84	26.5	7.8
PM 1215BG	4.4	1.16	85	27.5	8.8
PM 1330BG	4.7	1.12	87	25.0	7.6
PM 1560BG	4.9	1.10	86	26.5	8.2
PM 1220RR	5.1	1.12	86	28.0	9.4
PM 1244RR	5.1	1.06	87	25.0	9.0
PM 1220BG/RR	4.5	1.12	85	26.5	8.0
PSC 355	4.9	1.14	86	30.0	9.2
PSC 556	4.3	1.16	83	27.0	7.2
Stoneville 373	4.4	1.13	83	24.0	6.6
Stoneville 474	5.0	1.09	86	24.0	9.0
Stoneville BXN 47	4.7	1.10	87	26.0	8.4
Stoneville BG 4740	4.8	1.09	86	24.0	8.2
Stoneville X6M021	4.6	1.09	84	27.5	6.8
Suregrow 105	4.5	1.13	87	26.5	8.2
Suregrow 125	4.5	1.10	83	24.0	9.4
Suregrow 501	4.5	1.12	87	27.0	8.6
Suregrow 747	4.8	1.14	86	25.5	9.2
Suregrow 890	4.4	1.15	84	24.0	9.0
Terra 292	4.7	1.12	83	24.0	9.4
Terra 366	4.9	1.13	84	24.0	8.2
Texas 121	4.5	1.08	83	29.5	8.2
Texas 141	3.8	1.11	80	26.5	6.6
Texas 224	4.5	1.09	83	25.0	8.2
Texas 300	4.8	1.10	84	24.0	6.8

**TABLE 23, CONTINUED. COTTON FIBER ANALYSIS, HVI, HEADLAND, ALABAMA, 1998**

Brand-Variety	Micronaire <i>units</i>	Length <i>in.</i>	Uniformity <i>pct.</i>	Strength <i>g/tex</i>	Elongation <i>pct.</i>
<b>Full season</b>					
AgriPro AP 4103	4.9	1.06	82	25.5	7.4
AgriPro HS 44	5.0	1.13	83	26.5	6.8
AgriPro HS 46	4.8	1.04	85	27.0	9.0
Deltapine Acala 90	4.2	1.10	82	31.0	7.4
Deltapine DP 90B	4.5	1.11	83	28.0	6.8
Deltapine NuCotn 33B	4.5	1.10	83	27.0	8.6
Deltapine NuCotn 35B	4.7	1.15	85	27.5	6.4
Deltapine DP 5415RR	4.8	1.13	84	27.5	8.4
Deltapine DP 5690RR	4.4	1.12	84	30.5	7.6
Deltapine DP 458BRR	4.8	1.15	85	27.0	8.4
Deltapine DP 655BRR	4.4	1.12	82	28.0	6.6
F <sup>7</sup> Max 832	4.5	1.21	85	30.0	6.8
F <sup>7</sup> Max 975	4.4	1.16	84	27.5	5.8
F <sup>7</sup> Max 989	4.4	1.12	85	29.5	7.0
GA 92-161	4.4	1.16	84	27.5	7.4
Georgia King	4.4	1.11	82	28.0	7.0
PM 1560BG	5.0	1.10	86	27.0	8.8
PM 1580RR	4.7	1.13	83	28.0	6.8
PSC 569	4.9	1.08	85	28.5	8.0
PSC 636	4.3	1.15	85	26.5	8.0
PSC 952	4.6	1.07	83	25.5	10.4
Suregrow 248	4.8	1.12	83	27.0	7.2
Suregrow 821	4.8	1.08	85	24.5	10.6
Tamcot 8104	4.6	1.12	83	26.0	7.2

TABLE 24. COTTON FIBER ANALYSIS, HVI, FAIRHOPE, ALABAMA, 1998

Brand-Variety	Micronaire <i>units</i>	Length <i>in.</i>	Uniformity <i>pct.</i>	Strength <i>g/tex</i>	Elongation <i>pct.</i>
<b>Early season</b>					
AgriPro AP 6101	3.9	1.18	82	30.0	7.2
AgriPro AP 6102	4.6	1.24	84	32.0	7.4
AgriPro AP 7115	4.0	1.17	83	27.0	7.6
Deltapine DP 5111	4.3	1.10	83	26.5	6.4
Deltapine DP 5409	4.0	1.17	81	30.0	7.4
Deltapine DP 20B	4.3	1.15	84	25.5	8.8
Deltapine DP 32B	4.5	1.15	84	27.5	8.8
Deltapine DP 428B	4.7	1.15	83	26.0	7.0
Deltapine DP 425RR	3.8	1.14	83	24.5	7.4
Deltapine DP 436RR	4.1	1.16	82	26.0	8.4
Deltapine DPX 8C27	5.2	1.07	84	24.0	6.4
Dyna-Gro 201	4.1	1.17	83	28.0	7.0
Dyna-Gro 205	4.2	1.09	82	27.0	7.8
Dyna-Gro 206	4.0	1.18	82	25.5	8.2
F <sup>2</sup> Max 819	4.1	1.20	85	31.5	5.8
F <sup>2</sup> Max 963	4.6	1.02	83	27.5	6.4
PM 1210	4.4	1.07	84	25.0	7.0
PM 1266	4.3	1.14	83	26.5	6.4
PM 1440	4.1	1.13	84	27.0	7.2
PM 1215BG	4.2	1.12	86	26.5	8.8
PM 1330BG	4.0	1.11	81	27.0	6.8
PM 1560BG	4.9	1.13	85	27.5	8.2
PM 1220RR	4.3	1.12	85	28.0	9.0
PM 1244RR	4.3	1.08	85	28.0	7.8
PM 1220BG/RR	4.3	1.09	83	27.0	7.8
PSC 355	4.8	1.13	83	31.0	8.6
PSC 556	3.2	1.17	80	28.0	6.8
Stoneville 373	3.9	1.18	85	26.0	7.0
Stoneville 474	4.1	1.13	83	28.5	6.8
Stoneville BXN 47	4.3	1.14	84	27.5	6.8
Stoneville BG 4740	4.0	1.10	82	27.0	7.2
Stoneville X6M021	4.3	1.12	86	32.0	6.6
Suregrow 105	4.5	1.14	82	29.0	7.8
Suregrow 125	4.4	1.17	84	26.0	7.8
Suregrow 501	4.4	1.10	85	28.0	8.2
Suregrow 747	4.8	1.13	85	27.0	8.8
Suregrow 890	4.1	1.15	82	25.5	7.6
Terra 292	4.2	1.14	81	24.0	8.0
Terra 366	3.9	1.14	81	25.0	8.0
Texas 121	3.9	1.17	83	30.0	6.8
Texas 141	3.9	1.11	81	24.5	6.4
Texas 224	3.4	1.13	81	26.5	8.0
Texas 300	4.0	1.13	83	25.0	6.2

**TABLE 24, CONTINUED. COTTON FIBER ANALYSIS, HVI, FAIRHOPE, ALABAMA, 1998**

Brand-Variety	Micronaire <i>units</i>	Length <i>in.</i>	Uniformity <i>pct.</i>	Strength <i>g/tex</i>	Elongation <i>pct.</i>
<b>Full season</b>					
AgriPro AP 4103	4.5	1.15	82	29.5	6.0
AgriPro HS 44	4.2	1.14	81	29.5	6.2
AgriPro HS 46	3.6	1.15	82	30.5	6.4
Deltapine Acala 90	4.1	1.10	83	30.5	6.0
Deltapine DP 90B	3.6	1.14	83	31.0	5.8
Deltapine NuCotn 33B	4.2	1.13	83	29.0	7.8
Deltapine NuCotn 35B	4.0	1.17	83	30.5	6.4
Deltapine DP 5415RR	4.2	1.12	81	29.5	8.4
Deltapine DP 5690RR	3.5	1.12	83	34.0	6.8
Deltapine DP 458BRR	4.1	1.14	82	29.0	7.0
Deltapine DP 655BRR	3.4	1.19	82	30.0	6.2
F'Max 832	3.9	1.19	84	33.5	6.8
F'Max 975	4.0	1.17	82	29.5	5.4
F'Max 989	3.8	1.14	83	31.0	6.0
GA 92-161	4.1	1.19	84	31.0	6.8
Georgia King	4.0	1.17	83	29.5	7.0
PM 1560BG	4.2	1.13	85	30.0	7.2
PM 1580RR	3.5	1.12	82	30.0	6.6
PSC 569	4.2	1.11	84	32.0	7.6
PSC 636	3.9	1.17	82	29.5	6.2
PSC 952	4.0	1.10	84	30.0	7.2
Suregrow 248	4.4	1.14	82	29.5	6.6
Suregrow 821	4.2	1.12	83	28.5	8.6
Tamcot 8104	3.8	1.11	81	27.5	7.0



**TABLE 25. COTTON FIBER ANALYSIS, HVI, IRRIGATED COTTON, BELLE MINA, ALABAMA, 1998**

Brand-Variety	Micronaire <i>units</i>	Length <i>in.</i>	Uniformity <i>pct.</i>	Strength <i>g/tex</i>	Elongation <i>pct.</i>
<b>Early season</b>					
AgriPro AP 6101	3.5	1.22	82	30.5	8.4
AgriPro AP 7115	3.4	1.12	81	25.5	8.8
Deltapine DP 5409	3.5	1.16	82	27.5	9.0
Deltapine DP 20B	3.3	1.15	82	26.0	9.8
Deltapine DP 32B	3.2	1.14	84	29.0	10.0
PM 1330BG	3.5	1.19	85	29.0	8.6
PM 1220BG/RR	3.6	1.12	84	26.5	9.8
Stoneville 373	3.5	1.16	85	27.0	9.2
Stoneville 474	3.6	1.13	82	26.0	8.8
Suregrow 125	3.8	1.18	84	25.5	10.2
Suregrow 747	3.6	1.19	84	25.0	10.6
<b>Full season</b>					
Deltapine Acala 90	3.4	1.17	85	32.0	7.0
Deltapine NuCotn 33B	3.3	1.14	82	29.0	8.6
Deltapine DP 458B/RR	4.3	1.16	83	28.0	8.8
Deltapine DP 655B/RR	3.4	1.12	83	31.0	7.2
F'Max 832	3.1	1.23	84	30.5	7.4
F'Max 989	3.1	1.16	84	30.0	6.8
PM 1560BG	3.6	1.14	83	27.0	9.6
Stoneville BXN 47	3.8	1.15	83	26.0	8.0
Stoneville BG 4740	3.5	1.14	85	26.5	8.6
Suregrow 248	3.8	1.23	84	29.0	7.6
Suregrow 821	3.5	1.15	85	30.0	10.0

**TABLE 26. COTTON FIBER ANALYSIS, HVI, IRRIGATED COTTON, SHORTER, ALABAMA, 1998**

Brand-Variety	Micronaire <i>units</i>	Length <i>in.</i>	Uniformity <i>pct.</i>	Strength <i>g/tex</i>	Elongation <i>pct.</i>
<b>Early season</b>					
AgriPro AP 6101	5.1	1.02	84	29.5	8.6
AgriPro AP 7115	4.9	0.99	84	26.0	8.8
Deltapine DP 5409	4.8	1.03	84	27.5	8.6
Deltapine DP 20B	4.7	1.01	85	23.0	10.2
Deltapine DP 32B	5.0	1.03	85	27.5	9.2
PM 1330BG	4.7	1.03	83	28.5	8.2
PM 1220BG/RR	5.3	1.03	84	30.0	8.6
Stoneville 373	5.1	1.03	85	23.0	7.0
Stoneville 474	5.3	0.99	85	27.0	8.6
Suregrow 125	5.1	1.02	83	24.0	10.0
Suregrow 747	5.0	1.05	84	27.5	10.0
<b>Full season</b>					
Deltapine Acala 90	5.1	1.02	84	32.0	7.6
Deltapine NuCotn 33B	4.9	1.06	84	29.5	8.6
Deltapine DP 458B/RR	5.4	1.03	83	30.5	8.0
Deltapine DP 655B/RR	4.8	1.02	85	30.0	6.8
F <sup>7</sup> Max 832	4.9	1.10	86	32.0	6.2
F <sup>7</sup> Max 989	4.9	0.99	83	29.0	6.4
PM 1560BG	5.2	1.02	85	27.5	8.4
Stoneville BXN 47	4.9	1.04	86	30.0	7.8
Stoneville BG 4740	5.1	1.04	84	30.0	10.8
Suregrow 248	5.1	1.09	83	30.0	7.0
Suregrow 821	5.2	1.00	85	28.0	10.4

**TABLE 27. GROWING SEASON RAINFALL, 1996-98**

Test Location	Year	Monthly Rainfall (inches)							7-month Total
		Mar.	Apr.	May	June	July	Aug.	Sept.	
Belle Mina	1998	4.3	4.3	2.4	1.8	5.3	1.8	0.9	20.8
	1997	5.4	4.0	3.6	6.5	1.7	4.0	5.9	31.1
	1996	7.1	5.5	1.7	3.3	4.3	4.7	8.1	34.7
Shorter	1998	6.5	5.2	4.4	2.6	2.6	2.2	9.9	33.4
	1997	2.7	6.8	3.5	5.5	2.4	3.9	3.3	28.1
	1996	8.6	4.6	4.4	2.4	8.9	6.4	7.4	42.7
Prattville	1998	5.3	2.4	2.5	2.7	4.1	3.4	8.6	29.3
	1997	3.0	5.9	3.3	6.8	3.0	3.4	2.2	27.6
	1996	11.1	3.6	5.1	3.3	8.0	7.3	7.4	45.8
Monroeville	1998	5.7	3.6	2.2	1.4	7.2	9.8	17.7	47.6
	1997	2.5	6.0	7.6	5.5	2.7	1.6	0.8	26.7
	1996	7.8	5.7	2.3	4.1	4.7	5.5	7.2	37.3
Fairhope	1998	6.1	4.5	0.8	2.2	6.1	5.9	24.1	49.7
	1997	3.8	6.3	8.0	5.9	28.6	1.3	1.3	55.2
	1996	10.2	11.7	0.5	7.4	6.6	6.0	7.7	50.1
Headland	1998	9.2	2.7	0.5	2.4	9.6	3.9	14.8	43.1
	1997	2.8	6.4	4.2	7.9	5.6	2.4	3.7	33.0
	1996	6.9	4.7	2.2	2.9	3.6	13.1	11.6	45.0

**TABLE 28. SOIL TYPES FOR COTTON TRIALS, 1998**

Test Location	Soil Type
Belle Mina .....	Decatur silt loam
E. V. Smith Research Center	
Field Crops Research Unit, Shorter .....	Norfolk sandy loam
Prattville .....	Lucedale fine sandy loam
Monroeville .....	Lucedale loam
Headland .....	Dothan sandy loam
Fairhope .....	Malbis fine sandy loam

**TABLE 29. SOURCES OF SEED FOR THE 1998 COTTON VARIETY TESTS**

Brand-variety	Company
Deltapine Acala 90, Deltapine DP 20B, Deltapine DP 5111, Deltapine DP 32B Deltapine DP 5305, Deltapine DP 90B, Deltapine DP 5409, Deltapine DP 428B Deltapine DP 425RR, Deltapine NuCotn 33B, Deltapine DP 436RR, Deltapine NuCotn 35B, Deltapine DP 5415RR, Deltapine DP 458BRR Deltapine DP 5690RR, Deltapine DP 655BRR, Deltapine DPX 8C27	Delta and Pine Land Co. Scott, Mississippi
Dyna-Gro 201, Dyna-Gro 206, Dyna-Gro 205	United Agri Products Athens, Alabama
Stoneville 474, Stoneville 373, Stoneville BXN 47, Stoneville LA 887 Stoneville BG 4740, Stoneville X6M021	Stoneville Pedigreed Seed Co. Stoneville, Mississippi
Terra 292, Terra 366	Terra International, Inc. Leland, Mississippi
AgriPro HS 46, AgriPro AP 6101, AgriPro HS 44, AgriPro AP 6102 AgriPro AP 4103, AgriPro AP 7115	AgriPro Seed Co. Memphis, Tennessee
Suregrow 105, Suregrow 747, Suregrow 125, Suregrow 821 Suregrow 248, Suregrow 890, Suregrow 501	Sure Grow Seed, Inc. Centre, Alabama
Paymaster HS 26	Cargill Hybrid Seed Aiken, Texas
Acala MAXXA	New Mexico State University Las Cruces, New Mexico
PM 1210, PM 1560BG, PM 1266, PM 1580BG, PM 1440, PM 1220BG/RR PM 1215BG, PM 1220RR, PM 1330BG, PM 1244/RR	Paymaster Cottonseed Lubbock, Texas
GA 92-161	University of Georgia Tifton, Georgia
F <sup>2</sup> Max 963, F <sup>2</sup> Max 819, F <sup>2</sup> Max 975, F <sup>2</sup> Max 832, F <sup>2</sup> Max 989	AgrEvo USA Company Collierville, Tennessee
PSC 355, PSC 636, PSC 556, PSC 952, PSC 569	Phytogen Seed Company Leland, Mississippi
Tamcot 8104	Texas A&M University College Station, Texas
TX 121, TX 224, TX 141, TX 300	South Texas Planting Seed Assoc.