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Alabama  
**cotton**  
Variety Report 1983

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

## 1983 Alabama Cotton Variety Report

A Report of the Performance of Cotton Varieties Tested in Alabama

W. C. Johnson and Darrell Williams<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. Every effort is made to test the varieties and present the results in an unbiased manner.

### EXPERIMENTAL CONDITIONS

A randomized block experimental design with four replications was used at each location. Plot row length at different locations varied from 40 to 120 feet. Plots were two-row at Prattville, Headland, Belle Mina, and Crossville. Single-row plots were used at the other locations. Rainfall was extremely short after July 1 in northern Alabama, but more nearly adequate elsewhere. September and October were dry throughout Alabama, giving near ideal harvest conditions.

### EXPLANATION OF DATA

#### Harvest of Seed Cotton

Tests at Prattville, Brewton, Monroeville, Tallassee, Belle Mina, and Shorter were harvested by a mechanical spindle picker. Tests at Headland

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<sup>1</sup>Professor and Technical Assistant, Department of Agronomy and Soils

and Crossville were harvested by hand. Average yield of seed cotton was determined for each variety at each location.

#### Lint Percentage

A sample of seed cotton from each variety at each location was taken at harvest and ginned on a 10-saw gin. Lint percentage was calculated by dividing weight of lint by weight of seed cotton. Lint percentage may be higher than that obtained at commercial gins because the 10-saw gin has no cleaning equipment.

#### Yield of Lint

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

#### Fiber Properties

Fiber qualities of all varieties from selected locations were determined by Starlab, a commercial fiber testing laboratory in Knoxville, Tennessee.

Span Length. This is the fiber length measured with the digital fibrograph. The 2.5 percent length is the average length of the longest 2.5 percent of the fibers and the 50 percent length is the average length of 50 percent of the fibers. Their ratio is an expression of the fiber length uniformity. The 2.5 percent length is about the same as the classer's staple.

Stelometer.  $T_1$  is a measure of breaking strength of a standard fiber bundle with the holding jaws separated by 1/8 inch. This is a measurement similar to Pressley strength except the figures are in grams per tex. Tex is a size measurement of the fiber bundle. The larger the  $T_1$ , the stronger the fibers.  $E_1$  measures the percentage stretch before the fibers break.

Micronaire. This measures the fineness and maturity 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-root-knot nematode complex. 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. Stoneville 213 and Stoneville 825 have consistently shown a high incidence of wilt. All other reported varieties that have been tested for at least 3 years have acceptable tolerance to fusarium wilt.

#### NEW AND EXPERIMENTAL VARIETIES

Deltapine 90 was developed for the San Joaquin Valley of California. However, 3 years' testing indicates it is a high yielding, high quality, smoothleaf variety with broad adaptation. Deltapine 50 has been previously tested as D.P. 7537-6150, D.P. 6150, and Deltapine 50.

It is a high-yielding, smoothleaf variety with wide adaptation. Coker 208 is similar to Coker 201 and Carolina Queen, reliable favorites in Alabama that have been discontinued. Acala SJ-5 and Lockett 77 are varieties adapted to the Western United States and are included in certain Alabama variety tests as national standard varieties. Deltapine NSL is a recently

released, smoothleaf variety that is nectariless. This is the first year for it to be tested in Alabama. DES 422 is a new variety developed at the Delta Branch Agricultural Experiment Station, Stoneville, Mississippi. It is related to DES 56 and appears to be a high yielding, well adapted, moderately early variety. Deltapine 102, Deltapine 733, and Stoneville 1181 are advanced experimental lines whose release is anticipated for 1985 or 1986. PD 4548 is an experimental line from the Pee Dee Experiment Station, Florence, South Carolina.

#### 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, designated. Least Significant Difference (L.S.D. .05).

#### LOCATIONS OF EXPERIMENTS

Tennessee Valley Substation, Belle Mina - W. B. Webster, Superintendent  
Sand Mountain Substation, Crossville - J. T. Eason, Superintendent  
Upper Coastal Plain Substation, Winfield - R. A. Moore, Jr., Superintendent  
Prattville Experiment Field - D. P. Moore, Superintendent  
E. V. Smith Research Center, Shorter - J. R. Akridge, Superintendent  
Plant Breeding Unit, Tallassee - L. L. Walker, Superintendent  
Brewton Experiment Field - J. A. Pitts, Superintendent  
Monroeville Experiment Field - J. A. Pitts, Superintendent  
Wiregrass Substation, Headland - J. G. Starling, Superintendent



Table 1. Performance of Cotton Varieties at Belle Mina, Alabama, 1983

Variety	1983			2-yr. av. lint/acre	3-yr. av. lint/acre
	Lint/acre	Lint	Earliness <sup>1</sup>		
	<u>Lb.</u>	<u>Pct.</u>	<u>Pct.</u>		
Stoneville 825	424	41	89	819	841
Stoneville 213	420	40	90	777	763
DES 422	415	41	90	-	-
Deltapine 50	412	38	89	837	833
Stoneville 1181	397	37	92	-	-
McNair 235	390	38	90	798	799
Deltapine 733	390	39	89	-	-
Deltapine 102	390	39	91	-	-
Deltapine NSL	380	39	89	-	-
McNair 220	371	39	92	761	774
Deltapine 90	353	38	86	794	787
Coker 310	348	39	89	759	756
Coker 208	338	39	88	788	750
Stoneville 506	338	37	91	770	775
Coker 304	337	38	86	754	739
PD 4548	335	40	86	728	-
Coker 3131	330	41	90	786	788
Deltapine 41	324	42	88	730	717
Coker 315	323	39	87	788	760
Delcot 311	317	39	89	797	762
Deltapine 61	310	39	81	673	692
Lockett 77	293	38	84	616	-
Acala SJ-5	291	39	83	326	-
Test mean	358				
L.S.D. (.05)	56				
C.V.	11%				

<sup>1</sup>Percent harvested on first picking.

Table 2. Performance of Cotton Varieties at Crossville, Alabama, 1983

Variety	1983		2-yr. av. lint/acre	3-yr. av. lint/acre
	Lint/acre	Lint		
	<u>Lb.</u>	<u>Pct.</u>		
Coker 3131	574	45	760	873
McNair 220	534	40	719	803
Delcot 311	516	39	775	862
McNair 235	498	41	750	819
Stoneville 506	486	41	650	690
Deltapine 50	476	41	715	819
Deltapine 102	466	40	-	-
DES 422	464	43	-	-
Deltapine NSL	455	42	-	-
Stoneville 825	422	42	597	627
Coker 310	416	41	704	753
Deltapine 90	415	42	698	759
Coker 208	410	43	665	734
Stoneville 213	406	42	634	611
Stoneville 1181	382	38	-	-
Coker 304	375	43	555	671
Coker 315	362	44	617	666
Deltapine 733	358	41	-	-
Deltapine 61	342	39	569	630
Deltapine 41	336	44	665	690
Test mean	434			
L.S.D. (.05)	99			
C.V.	16%			

Table 3. Performance of Cotton Varieties at Prattville, Alabama, 1983

Variety	1983			2-yr. av. lint/acre	3-yr. av. lint/acre
	Lint/acre	Lint	Earliness <sup>1</sup>		
	Lb.	Pct.	Pct.		
Deltapine 90	1,050	40	87	1,101	1,013
DES 422	1,043	43	86	-	-
Deltapine 41	1,027	44	85	1,130	1,030
Deltapine 102	970	40	86	-	-
Stoneville 1181	961	40	83	-	-
Deltapine 50	959	39	86	1,043	971
Stoneville 825	945	42	85	989	933
McNair 235	941	44	77	1,051	958
Stoneville 506	935	40	90	976	910
McNair 220	933	42	85	1,013	909
Coker 208	929	41	86	1,027	909
Deltapine 733	918	39	85	-	-
Delcot 311	909	42	86	966	920
Deltapine 61	906	40	85	992	903
Coker 310	901	42	85	1,016	899
Stoneville 213	894	41	85	1,074	973
Deltapine NSL	861	41	85	-	-
Coker 3131	850	44	84	1,008	926
Coker 315	842	44	80	1,000	897
Coker 304	749	42	81	908	819
Test mean	926				
L.S.D. (.05)	102				
C.V.	8%				

<sup>1</sup>Percent harvested on first picking.

Table 4. Performance of Cotton Varieties at Tallassee, Alabama, 1983

Variety	1983			2-yr. av. lint/acre	3-yr. av. lint/acre
	Lint/acre	Lint	Earliness <sup>1</sup>		
	<u>Lb.</u>	<u>Pct.</u>	<u>Pct.</u>		
Deltapine 733	1,338	42	93	-	-
Deltapine 41	1,332	45	93	1,235	1,132
McNair 235	1,290	41	95	1,219	1,182
Coker 208	1,262	41	96	1,216	1,135
Coker 315	1,252	43	94	1,113	1,088
Deltapine NSL	1,242	42	95	-	-
Deltapine 61	1,229	41	94	1,147	1,097
McNair 220	1,203	41	94	1,166	1,151
Deltapine 50	1,200	39	95	1,092	1,067
Coker 310	1,196	41	94	1,233	1,141
Deltapine 90	1,194	42	94	1,117	1,124
Coker 304	1,186	40	94	1,081	1,020
Stoneville 1181	1,155	40	93	-	-
Deltapine 102	1,142	42	96	-	-
Stoneville 825	1,135	40	93	1,092	1,051
Stoneville 213	1,129	42	95	1,137	1,109
DES 422	1,102	41	95	-	-
Stoneville 506	1,098	39	95	985	944
Delcot 311	1,060	39	96	1,005	964
Coker 3131	1,043	41	93	1,066	1,062
Test mean	1189				
L.S.D. (.05)	170				
C.V.	10%				

<sup>1</sup>Percent harvested on first picking.

Table 5. Performance of Cotton Varieties at Shorter, Alabama, 1983

Variety	1983		2-yr. av. <sup>1</sup> lint/acre	3-yr. av. <sup>2</sup> lint/acre
	Lint/acre	Lint		
	Lb.	Pct.	Lb.	Lb.
DES 422	669	41	-	-
Deltapine 90	622	40	586	-
Deltapine 61	601	40	509	398
Deltapine 50	601	39	526	-
Stoneville 213	584	40	500	399
Coker 3131	564	42	492	401
Stoneville 825	560	40	487	411
McNair 235	542	39	519	419
McNair 220	519	38	508	412
Delcot 311	519	39	486	394
Deltapine NSL	516	40	458	-
Stoneville 506	497	38	444	347
Coker 310	494	38	484	372
Stoneville 1181	484	38	-	-
Deltapine 733	472	38	-	-
Coker 304	469	38	450	356
PD 4548	468	40	433	-
Deltapine 102	448	39	-	-
Lockett 77	447	38	447	-
Coker 315	442	38	467	365
Coker 208	411	39	452	-
Deltapine 41	409	42	409	338
Acala SJ-5	285	39	292	224
Test mean	505			
L.S.D. (.05)	138			
C.V.	19%			

<sup>1</sup>1981 and 1983 data.

<sup>2</sup>1980, 1981, and 1983 data.



Table 6. Performance of Cotton Varieties at Monroeville, Alabama, 1983

Variety	1983			1-yr. av. lint/acre	3-yr. av. lint/acre
	Lint/acre	Lint	Earliness <sup>1</sup>		
	<u>Lb.</u>	<u>Pct.</u>	<u>Pct.</u>		
Deltapine 90	968	43	87	950	987
Deltapine 102	921	41	88	-	-
McNair 235	875	42	89	915	919
Stoneville 1181	871	41	88	-	-
Coker 208	818	42	84	829	894
Deltapine 50	807	41	85	890	913
Deltapine 41	802	44	85	866	906
Deltapine NSL	801	40	89	-	-
DES 422	798	42	88	-	-
Stoneville 213	795	43	85	823	819
Coker 310	793	42	87	846	874
Coker 3131	780	44	80	813	845
Stoneville 825	762	42	89	913	890
Coker 315	752	43	83	770	840
Stoneville 506	738	40	88	798	837
Coker 304	731	40	83	801	826
Deltapine 733	713	39	84	-	-
Deltapine 61	701	41	85	811	827
McNair 220	691	41	91	808	858
Delcot 311	686	40	90	798	808
Test mean	790				
L.S.D. (.05)	121				
C.V.	11%				

<sup>1</sup>Percent harvested on first picking.

Table 7. Performance of Cotton Varieties at Brewton, Alabama, 1983

Variety	1983			2-yr. av. lint/acre	3-yr. av. lint/acre
	Lint/acre	Lint	Earliness <sup>1</sup>		
	<u>Lb.</u>	<u>Pct.</u>	<u>Pct.</u>		
McNair 235	1,029	40	92	901	916
Stoneville 1181	1,019	37	89	-	-
Coker 310	993	39	90	877	964
Deltapine 90	989	39	86	934	992
Coker 315	988	40	89	915	984
DES 422	988	39	90	-	-
McNair 220	980	39	93	922	946
Stoneville 825	964	39	90	899	958
Deltapine 50	955	38	89	873	903
Deltapine 733	938	37	89	-	-
Stoneville 213	923	40	87	887	905
Deltapine NSL	885	39	91	-	-
Stoneville 506	860	38	93	890	896
Coker 208	853	39	89	866	890
Deltapine 102	846	39	93	-	-
Delcot 311	844	38	90	802	812
Coker 304	828	39	91	848	878
Deltapine 41	775	41	90	799	886
Deltapine 61	717	39	86	809	856
Coker 3131	649	40	88	709	801
Test mean	901				
L.S.D. (.05)	185				
C.V.	14%				

<sup>1</sup>Percent harvested on first picking.

Table 8. Performance of Cotton Varieties at Headland, Alabama, 1983

Variety	1983		2-yr. av. lint/acre	3-yr. av. lint/acre
	Lint/acre	Lint		
	<u>Lb.</u>	<u>Pct.</u>	<u>Lb.</u>	<u>Lb.</u>
Stoneville 1181	794	39	-	-
Stoneville 213	772	40	1,001	1,049
Delcot 311	737	38	961	1,033
Deltapine 41	718	42	1,072	1,115
Coker 304	716	39	981	1,061
Deltapine 733	715	39	-	-
Coker 315	700	40	1,021	1,076
Coker 208	695	39	944	1,043
Coker 3131	692	42	922	1,043
Coker 310	687	38	1,064	1,059
Deltapine 50	675	38	936	994
Deltapine 90	674	39	934	1,049
Deltapine NSL	638	39	-	-
DES 422	637	39	-	-
Stoneville 825	629	39	983	1,050
McNair 220	621	39	975	1,092
Stoneville 506	609	39	890	967
Deltapine 61	570	37	830	931
Deltapine 102	570	37	-	-
McNair 235	553	40	979	1,059
Test mean	670			
L.S.D. (.05)	187			
C.V.	20%			

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

Variety	Yield, lint/acre			Lint			Earliness		
	1983	1982-83	1981-83	1983	1982-83	1981-83	1983	1982-83	1981-83
	Lb.	Lb.	Lb.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.
Deltapine 90	783	933	959	40	40	40	88	80	78
McNair 235	765	945	950	41	41	41	89	86	83
McNair 220	732	909	933	40	40	40	91	86	83
Deltapine 50	761	912	929	39	39	39	89	82	80
Deltapine 41	715	928	925	43	43	43	88	82	80
Coker 310	728	928	921	40	40	40	89	82	79
Coker 208	715	905	908	40	40	40	89	84	81
Stoneville 825	730	899	907	41	40	40	89	84	82
Coker 3131	685	866	905	42	42	42	87	84	82
Coker 315	708	889	901	41	41	41	87	82	79
Stoneville 213	740	905	890	41	41	40	88	80	78
Delcot 311	698	872	880	39	39	39	90	84	83
Stoneville 506	695	851	860	39	39	39	91	84	82
Coker 304	674	847	859	40	40	40	87	82	80
Deltapine 61	672	833	848	39	40	39	86	79	77
DES 422	765			41			90		
Stoneville 1181	758			39			89		
Deltapine 733	730			39			88		
Deltapine NSL	722			40			90		
Deltapine 102	719			40			91		

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These varieties at 2 locations only.

PD 4548	401			40	41		86	-	-
Lockett 77	370			38	38		84	-	-
Acala SJ-5	288			39	38		83	74	73

Table 10. Percentage of Plants Showing Symptoms of Fusarium Wilt<sup>1</sup>

Variety	Average wilt percentage								
	1983	2-yr. 1982-83	3-yr. 1981-83	4-yr. 1980-83	5-yr. 1979-83	6-yr. 1978-83	7-yr. 1977-83	8-yr. 1976-83	11-yr. 1973-83
	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.
Stoneville 213	22.9	24.4	20.0	32.2	38.7	35.2	36.4	33.9	39.7
Coker 310	27.5	22.8	15.8	20.6	23.5	21.6	21.3	20.2	23.4
Coker 304	28.2	24.0	16.3	21.8	21.9	20.0	19.7	18.2	21.5
Deltapine 61	14.0	18.2	14.5	18.4	20.1	17.7	17.3	17.4	
McNair 220	18.4	21.1	13.0	18.9	18.0	16.1	16.2	14.8	
Coker 315	27.4	22.9	16.8	23.7	24.1	21.4	22.1		
Deltapine 41	9.2	13.9	12.5	22.5	23.2	20.5			
McNair 235	9.0	13.5	10.4	14.0	14.6	13.3			
Stoneville 825	30.6	34.0	27.5	41.3	43.2				
Coker 3131	18.3	19.7	17.0	21.8					
Delcot 311	10.9	10.1	7.1	11.7					
Stoneville 506	13.0	12.3	9.8	15.8					
Coker 208	24.6	23.7	16.5						
Deltapine 90	9.4	10.2	10.1						
Deltapine 50	15.3	13.7							
Deltapine NSL	17.2								
DES 422	15.1								
Stoneville 1181	31.2								
Deltapine 733	44.2								
Deltapine 102	36.0								

<sup>1</sup>Data were taken from a field severely infested with the fusarium wilt fungus and root-knot nematodes, Plant Breeding Unit, Tallassee, Alabama.



Table 11. Fiber Properties of Cotton Varieties at Crossville, Alabama, 1983

Variety	Micronaire Reading	Fibrograph		Uniformity ratio Pct.	Stelometer	
		50% In.	2.5% In.		T1 g/tex	E1 Pct.
Coker 208	4.6	0.49	0.97	51	20.6	7.5
Coker 304	4.8	.53	1.07	50	19.3	7.5
Coker 310	4.6	.56	1.13	50	20.9	7.5
Coker 315	4.4	.52	1.08	48	21.2	8.0
Coker 3131	4.9	.52	1.02	51	18.0	9.0
Delcot 311	4.5	.52	1.04	50	22.3	8.5
DES 422	4.7	.48	1.02	47	19.6	8.0
Deltapine 41	4.2	.50	1.00	50	20.8	8.0
Deltapine 61	4.8	.55	1.11	50	24.8	9.0
Deltapine 90	5.0	.52	1.07	49	25.4	8.0
Deltapine 102	4.6	.52	1.06	49	20.7	8.5
Deltapine 50	5.1	.50	1.04	48	19.8	9.5
Deltapine 733	4.8	.54	1.10	49	21.0	7.5
Deltapine NSL	5.0	.52	1.04	50	19.5	8.5
McNair 220	4.8	.50	1.04	48	20.8	7.0
McNair 235	4.8	.52	1.10	47	19.2	7.0
Stoneville 213	5.0	.50	1.02	49	17.9	8.5
Stoneville 506	4.4	.52	1.10	47	21.6	8.0
Stoneville 825	4.8	.54	1.10	49	20.7	7.0
Stoneville 1181	5.0	.58	1.16	50	22.0	7.0

Table 12. Fiber Properties of Cotton Varieties at Prattville, Alabama, 1983

Variety	Micronaire Reading	Fibrograph		Uniformity ratio Pct.	Stelometer	
		50% In.	2.5% In.		T1 g/tex	E1 Pct.
Coker 208	5.0	0.54	1.10	50	21.2	7.0
Coker 304	5.2	.57	1.18	48	22.0	7.0
Coker 310	4.8	.58	1.16	50	22.5	6.5
Coker 315	5.0	.54	1.12	48	20.6	8.0
Coker 3131	4.4	.54	1.10	49	19.2	8.5
Delcot 311	4.1	.57	1.10	52	23.3	9.0
DES 422	4.2	.56	1.13	50	19.5	8.5
Deltapine 41	4.9	.56	1.13	50	20.8	8.0
Deltapine 61	5.0	.53	1.04	51	22.2	9.0
Deltapine 90	4.4	.56	1.11	50	22.5	7.5
Deltapine 102	4.2	.58	1.13	51	19.8	8.5
Deltapine 50	4.4	.54	1.14	47	17.5	9.5
Deltapine 733	4.6	.58	1.16	50	22.0	7.0
Deltapine NSL	5.2	.58	1.12	52	21.1	9.5
McNair 220	4.3	.56	1.14	49	22.8	7.0
McNair 235	4.5	.54	1.12	48	21.8	6.5
Stoneville 213	4.7	.58	1.13	51	19.7	8.0
Stoneville 506	4.4	.54	1.12	48	20.8	8.0
Stoneville 825	5.1	.52	1.06	49	19.2	7.0
Stoneville 1181	4.8	.54	1.12	48	21.2	7.0

Table 13. Fiber Properties of Cotton Varieties at Headland, Alabama, 1983

Variety	Micronaire Reading	Fibrograph		Uniformity ratio Pct.	Stelometer	
		50% In.	2.5% In.		T1 g/tex	E1 Pct.
Coker 208	4.9	0.48	1.04	46	22.6	5.5
Coker 304	5.0	.54	1.12	48	24.1	6.0
Coker 310	4.8	.56	1.20	47	27.4	6.5
Coker 315	4.8	.56	1.18	47	23.0	7.5
Coker 3131	4.6	.53	1.09	49	22.4	7.5
Delcot 311	4.4	.56	1.14	49	25.3	7.5
DES 422	4.9	.54	1.12	48	23.3	7.5
Deltapine 41	4.9	.53	1.09	49	25.1	7.0
Deltapine 61	5.2	.52	1.14	46	24.1	7.5
Deltapine 90	5.4	.54	1.11	49	25.3	7.5
Deltapine 102	4.8	.52	1.10	47	22.8	9.0
Deltapine 50	5.0	.52	1.10	47	20.1	8.0
Deltapine 733	5.0	.53	1.14	46	24.7	6.5
Deltapine NSL	4.9	.54	1.10	49	22.9	7.5
McNair 220	5.0	.50	1.08	46	24.3	5.5
McNair 235	5.1	.51	1.06	48	22.7	7.0
Stoneville 213	5.2	.52	1.08	48	19.1	8.0
Stoneville 506	4.6	.52	1.12	46	22.1	7.5
Stoneville 825	5.2	.54	1.14	47	23.3	6.0
Stoneville 1181	5.2	.53	1.13	47	24.7	6.5

Table 14. Sources of Seed for the 1983 Cotton Variety Tests

Variety	Source
Deltapine NSL Deltapine 61 Deltapine 41 Deltapine 102 Deltapine 90 Deltapine 50 Deltapine 733	Delta and Pine Land Co. Scott, Mississippi
Stoneville 213 Stoneville 825 Stoneville 506 Stoneville 1181	Stoneville Pedigreed Seed Co. Stoneville, Mississippi
Coker 310 Coker 304 Coker 315 Coker 3131 Coker 208	Coker's Pedigreed Seed Co. Hartsville, South Carolina
Delcot 311	Delta Center Portageville, Missouri
McNair 235 McNair 220	Northrup King Co. Leland, Mississippi
DES 422	Delta Branch Experiment Station Stoneville, Mississippi

## RECOMMENDED COTTON VARIETIES FOR ALABAMA

The list of recommended varieties given below was prepared by a committee composed of the authors of this report and Dr. Louie J. Chapman, Head of Extension Agronomy, Alabama Cooperative Extension Service, based on variety test performance for at least 3 years. Varieties differ in performance at individual locations, so selection should be based largely on variety performance at a site that most nearly represents the grower's local situation. The recommended varieties are listed in order of 3-year average lint yield.

Deltapine 90

McNair 235

McNair 220

Deltapine 50

Deltapine 41

Coker 310

Coker 208

Stoneville 825<sup>1</sup>

Coker 3131

Coker 315

Stoneville 213<sup>1</sup>

Delcot 311

Stoneville 506

Coker 304

Deltapine 61

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<sup>1</sup>Not suited for soils where fusarium wilt has been a problem.







