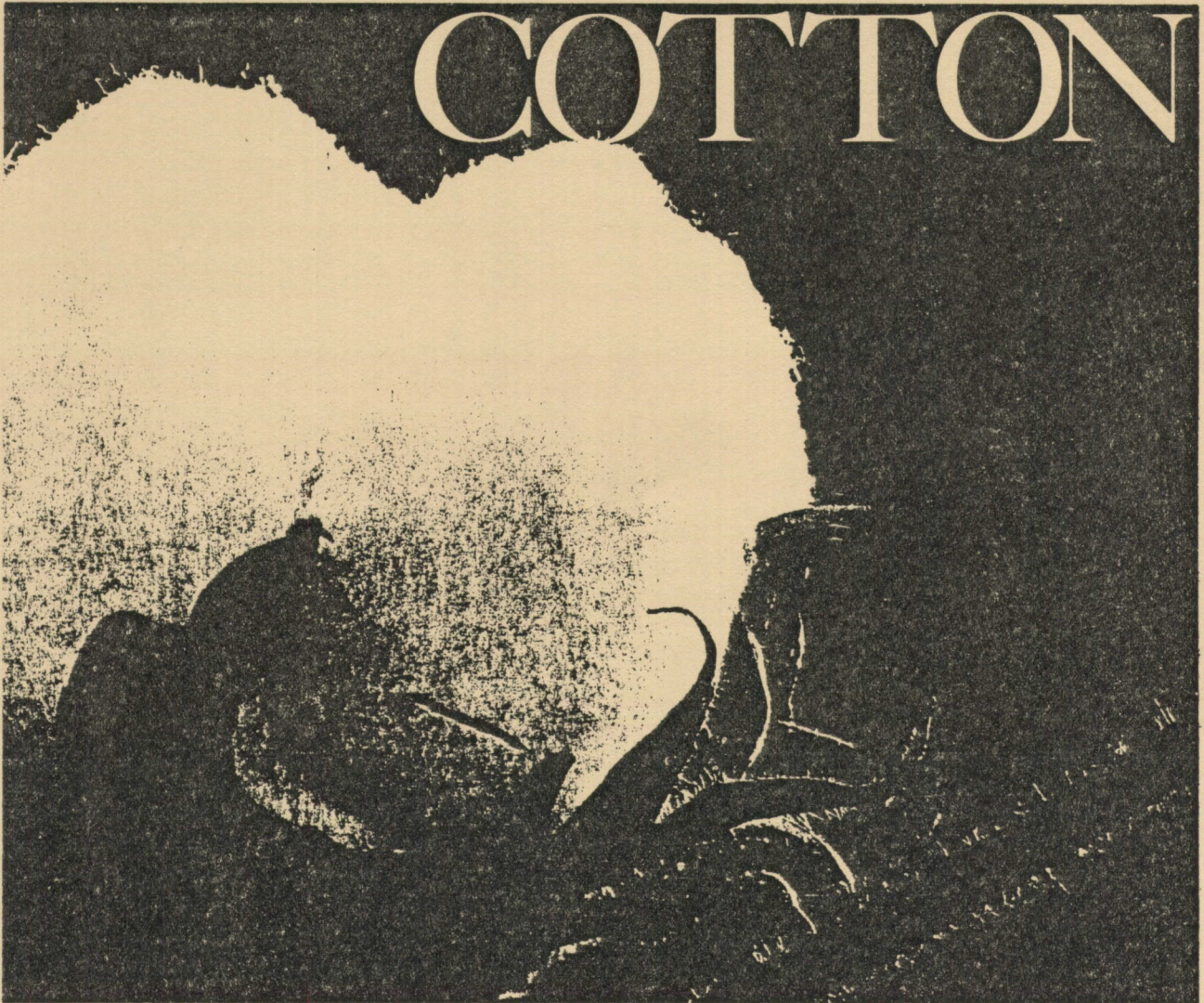


ALABAMA COTTON



VARIETY REPORT 1978

DEPARTMENT OF AGRONOMY & SOILS
AGRICULTURAL EXPERIMENT STATION
R. DENNIS ROUSE, DIRECTOR

FEBRUARY 1979

DEPARTMENTAL SERIES NO. 48
AUBURN UNIVERSITY
AUBURN, ALABAMA

1978 ALABAMA COTTON VARIETY REPORT^{1/}

A Report of the Performance of Cotton Varieties
Tested at Nine Locations in Alabama During 1978

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The Alabama Cotton Variety Test is a continuing evaluation of available cotton varieties from private companies and state experiment stations. Breeding lines that are likely to be released as varieties are also tested. Tests are conducted on units of the Agricultural Experiment Station by Experiment Station personnel. Cultural practices are as generally recommended by Auburn University to farmers. Every effort is made to test the varieties and present the data in an unbiased manner.

Experimental Design and Plot Size

A randomized block design in four replications was used at each location. Length of plots at different locations varied from 34 to 110 feet. Plots were two-row at Prattville and Belle Mina and single row at the other locations.

Seasonal Conditions

All tests were planted within the optimum planting period. Most varieties had acceptable stands but several rows were not harvested for record or yields were adjusted to account for skips. The greatest adjustment because of poor stand was at Prattville. The coefficient of variation for this test was reasonably low which would support the validity of the yield adjustments.

Insect control was generally adequate. However, at Headland the top

^{1/} February 1979

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bolls were almost completely destroyed by bollworms. Rainfall on the E. V. Smith Research Center near Shorter was sparse all season. Most other locations had normal rainfall through July but less than normal rainfall thereafter. Moisture at Brewton and Crossville was adequate throughout the season.

Explanation of Data

Harvest of Seed Cotton: Tests at Prattville, Brewton, Monroeville, Shorter, and Tallassee were harvested by a mechanical spindle picker. Tests at Winfield, Belle Mina, Headland, and Crossville were harvested by hand. Average weight of seed cotton per acre 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.

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

Fiber Properties: Because of the time required for the detailed determinations of the fiber properties, data presented in the current report are from samples of the previous year. Fiber qualities were determined by the USDA Cotton Quality Spinning Laboratory, Knoxville, Tennessee.

- (a) Span length: This is the fiber length measured on the digital fibrograph. The figure given is the distance spanned by 2.5% of the fibers, where the initial point of scanning is 100%. This length, in inches, approximates classer's staple.

(b) 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 metric measurement similar to Pressley strength except the figures are in centinewtons per tex. A centinewton is a measure of force and a tex is a size measurement of the fibers. The larger the T_1 , the stronger the fibers. E_1 measures the percentage stretch before the fibers break.

(c) 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 - 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 wilt was evaluated at the Plant Breeding Unit, Tallassee, by growing the varieties in fields 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, Hancock, Stoneville 731N, Vail 7, and Brycot 4 have consistently shown a high incidence of wilt. All other varieties that have been tested for at least 3 years have acceptable tolerance to fusarium wilt.

New and Experimental Varieties

Several experimental varieties were tested in 1978. These are:

Coker 4601, Coker 315, Coker 6118, Coker 3114, Coker 420, and Deltapine 7141.

None of these have been released for planting in 1979. It is the policy of the Auburn University Agricultural Experiment Station to evaluate a limited

number of such experimental varieties as a service to plant breeders and also to enable the testing of potential varieties prior to their release.

Paymaster 303 and Acala SJ-5 are varieties adapted to the western areas of cotton production and are included in certain Alabama variety tests as national standard varieties. These tests are part of a national cooperative variety testing program. Neither variety is adapted to Alabama conditions. Rex 731 has been tested previously as "New Rex". The variety is the same; only the name has been changed. DES 56 was developed by the Mississippi Agricultural Experiment Station and is being tested in Alabama for the first time in 1978. Stoneville 825 is a nectariless variety similar to Stoneville 731N. McNair 235 has been previously tested at certain locations as McNair 3035. This is the first year it has been entered in the regular variety tests.

Statistical Analysis

Appropriate analyses of the yield data were made. For each location, the variability of the test was calculated and expressed as a percentage of the test mean, coefficient of variation (C.V.). An indication of the difference between variety averages necessary to be a real difference is given, Least Significant Difference (L.S.D. .05).

Table 1. Performance of Cotton Varieties in Northern Alabama, 1978

Variety	Yield of lint per acre				Av. lint percentage Pct.	Percent earliness	
	Crossville Lb.	Belle Mina Lb.	Winfield Lb.	Av. Lb.		Crossville Pct.	Belle Mina Pct.
Hancock	1144	646	312	701	40	72	68
McNair 235	1154	701	240	698	39	71	81
Coker 4601	1125	673	249	682	39	80	75
Rex 731	1006	616	412	678	37	74	59
Coker 315	1063	659	311	678	39	79	68
Stoneville 213	1009	679	329	672	39	60	67
Dixie King III	1031	694	238	654	38	69	64
Coker 3114	1060	616	251	643	41	71	75
Brycot 4	977	640	305	641	38	58	57
Stoneville 603	962	713	242	639	39	76	73
Deltapine 55	952	667	261	626	40	65	58
Coker 304	1104	581	181	622	40	74	65
Vail 7	983	648	210	614	38	60	57
Deltapine 26	954	570	308	611	41	52	48
Coker 310	1080	494	209	594	37	74	73
McNair 220	926	571	270	589	38	69	66
Deltapine 7141	871	636	216	574	39	61	60
Deltapine 61	964	549	208	574	38	64	66
Delcot 277	845	608	239	564	37	70	64
Coker 420	1039	437	194	557	38	80	60
DES 56	1137		311		40	74	
DES 24	1123		253		40	70	
Stoneville 825	1085		196		40	74	
Auburn 56	715		68		38	44	
Coker 6118		620	150		38		82
Stoneville 731N	1051				40	74	
S. C.-1	952				40	74	
Paymaster 303	949				39	74	
Acala SJ-5	935				39	66	
Deltapine 703		710			40		72
C.V. %	10.4	15.8	32.7				
L.S.D. .05	148	139	N.S.				

Table 2. Performance of Cotton Varieties in Northern Alabama,
Two-Year Average, 1977-78

Variety	Yield of lint per acre				Av. lint percentage Pct.	Percent earliness* Pct.
	Crossville Lb.	Belle Mina Lb.	Winfield Lb.	Av. Lb.		
Hancock	763	588	488	613	39	80
Rex 731	713	659	421	597	38	75
Stoneville 213	666	681	400	582	38	78
Coker 315	751	586	397	578	39	79
Stoneville 603	653	700	371	575	39	83
Coker 3114	711	613	385	570	41	82
Deltapine 26	626	652	389	556	41	67
Vail 7	668	625	366	553	39	72
Coker 310	736	563	352	550	39	83
McNair 220	695	542	397	545	38	79
Dixie King III	679	618	325	541	38	76
Coker 304	733	566	304	534	40	77
Deltapine 55	653	636	304	531	40	70
Delcot 277	622	636	328	529	39	77
Deltapine 61	701	577	295	525	39	75
DES 24	778		332		40	
Brycot 4		636	351		37	72
Auburn 56	522		277		40	
Stoneville 731N	696				42	

* Belle Mina location.

Table 3. Performance of Cotton Varieties in Northern Alabama,
Three-year Average, 1976-1978

Variety	Yield of lint per acre			Av. lint percentage	Percent earliness**	
	Crossville*	Belle Mina	Winfield			
	Lb.	Lb.	Lb.	Lb.	Pct.	Pct.
Hancock	736	540	445	553	39	73
Vail 7	668	634	343	533	38	67
Stoneville 603	653	634	342	529	38	75
Stoneville 213	666	569	373	520	38	66
Coker 310	736	501	365	509	39	76
Deltapine 61	701	545	306	494	38	70
Deltapine 26	626	539	348	489	41	61
McNair 220	695	485	345	485	37	71
Delcot 277	622	508	335	472	39	69
Coker 304	733	446	319	470	40	70
Deltapine 55	653	519	289	462	39	62
Dixie King III	679	471	302	460	38	63
DES 24	778		320		39	
Auburn 56	522		308		38	
Brycot 4		611	361		38	67

*1977-1978 data only.

**Belle Mina location.

Table 4. Performance of Cotton Varieties in Central and Southern Alabama, 1978

Variety	Yield of lint per acre						Ay. lint percentage	Percent earliness*	
	Brewton	Head-land	Monroe-ville	Pratt-ville	Tal-lassee	Shorter			Ay.
	Lb.	Lb.	Lb.	Lb.	Lb.	Lb.	Lb.	Pct.	Pct.
Coker 4601	971	542	580	728	767	415	667	39	85
McNair 235	981	681	601	775	405	456	650	39	90
Stoneville 603	944	466	677	723	627	431	645	39	88
DES 24	1029	452	610	659	588	418	626	40	83
Vail 7	996	325	594	741	665	402	620	39	84
Coker 304	945	398	580	683	638	426	612	38	83
DES 56	952	394	583	701	640	377	608	39	83
Coker 315	874	463	576	718	602	378	602	40	85
Deltapine 26	1045	275	632	790	519	335	599	41	84
McNair 220	869	386	558	651	719	403	598	38	87
Hancock	978	366	566	710	521	428	595	39	86
Brycot 4	933	333	648	765	466	421	594	38	85
Dixie King III	976	365	684	687	413	428	592	38	84
Coker 310	873	310	564	753	667	381	591	39	84
Deltapine 7141	687	536	535	736	694	324	585	41	87
Coker 6118	837	513	509	682	542	388	578	37	88
Deltapine 55	807	427	529	780	572	324	573	40	88
Stoneville 825	895	425	582	750	334	437	571	39	87
Stoneville 213	967	376	592	672	356	425	565	39	86
Deltapine 61	792	309	568	799	568	333	561	38	83
Coker 3114	939	334	614	643	348	384	544	41	82
Rex 731	733	414	466	597	543	452	534	35	84
Coker 420	832	448	477	582	342	370	508	37	81
Delcot 277	877		528	685	600	413		37	82
Auburn 56	832		550	701	604	372		36	82
Stoneville 731N						463		39	
Paymaster 303						416		37	
S. C.-1						361		38	
Acala SJ-5						307		38	
C.V. %	11.6	40.3	9.0	11.5	17.7	13.6			
L.S.D. .05	147	N.S.	73	115	137	75			

*Prattville location only.

Table 5. Performance of Cotton Varieties in Central and Southern Alabama

Two-year Average, 1977-78

Variety	Yield of lint per acre						Av. lint percentage	Percent earliness**	
	Brewton	Head-land*	Monroe-ville	Pratt-ville	Tallassee*	Shorter*			Av.
	Lb.	Lb.	Lb.	Lb.	Lb.	Lb.	Lb.	Pct.	Pct.
Hancock	946	366	694	684	521	428	663	40	82
Stoneville 603	792	466	703	711	627	431	660	40	83
DES 24	789	452	691	713	588	418	649	40	80
Vail 7	812	325	673	712	665	402	643	39	77
Deltapine 26	792	275	746	786	519	335	642	42	77
McNair 220	693	386	684	703	719	403	630	39	83
Dixie King III	754	365	730	719	413	428	624	40	76
Coker 315	658	463	699	713	602	378	620	40	81
Deltapine 61	672	309	713	787	568	333	617	38	77
Coker 304	686	398	670	671	638	426	613	41	78
Coker 310	729	310	632	692	667	381	607	38	84
Brycot 4	717	333	678	747	413	421	606	39	77
Deltapine 55	687	427	588	747	572	324	596	39	82
Stoneville 213	730	376	678	673	356	425	591	38	81
Coker 3114	659	334	627	653	348	384	549	42	77
Rex 731	672	414	499	583	543	452	546	35	82
Delcot 277	786		623	679	600	413	649	38	82
Auburn 56	753		637	643	604	372	630	36	75

*1978 data only.

**Prattville location only.

Table 6. Performance of Cotton Varieties in Central and Southern Alabama
Three-year Average, 1976-78

Variety	Yield of lint per acre									
	Brewton Lb.	Head- Land* Lb.	Monroe- ville Lb.	Pratt- ville Lb.	Tallassee** Lb.	Shorter* Lb.	Av. Lb.	Av. lint percentage Pct.	Percent earliness*** Pct.	
Hancock	1070	366	699	757	765	428	762	41	83	
Deltapine 26	919	275	777	835	780	335	751	42	77	
DSS 24	967	452	713	775	727	418	745	41	82	
Stoneville 603	904	466	712	765	791	431	740	40	83	
Vail 7	912	325	702	790	828	402	738	39	79	
Deltapine 61	856	309	749	860	768	403	736	39	77	
McNair 220	922	386	723	766	774	403	736	40	83	
Coker 304	915	398	688	744	749	426	720	43	77	
Dixie King III	900	365	751	766	580	428	708	40	73	
Brycot 4	839	333	694	803	717	421	707	39	77	
Deltapine 55	847	427	654	788	749	324	701	40	80	
Coker 310	883	310	648	784	710	381	697	40	81	
Stoneville 213	848	376	708	735	635	425	688	39	81	
Delcot 277	946		650	728	738	413	738	39	83	
Auburn 56	892		657	734	751	372	727	37	75	

*1978 data only.

**1976 and 1978 data only.

***Prattville location only.

Table 7. Percentage of Plants Showing Symptoms of Fusarium Wilt^{1/}

Variety	1978	Average wilt percentage							
		2-yr 1977-78	3-yr 1976-78	6-yr 1973-78	7-yr 1972-78	8-yr 1971-78	9-yr 1970-78	10-yr 1969-78	12-yr 1967-78
Auburn 56	10.9	13.3	10.0	19.7	18.3	18.3	21.3	19.9	18.1
Stoneville 213	17.3	30.8	26.0	40.6	39.2	40.8	46.9	50.6	53.8
Coker 310	12.1	16.1	14.6	23.4	21.5	27.7	24.5	23.2	
Stoneville 603	11.1	18.5	13.9	17.3	17.8	21.7	23.6	22.9	
Delcot 277	2.6	9.2	10.5	15.4	14.8	17.7	23.3		
McNair 511	5.8	12.3	12.5	19.0	18.7	21.0			
Coker 304	10.5	14.2	12.2	21.1	20.9				
Deltapine 55	4.8	16.6	13.9	22.0	21.3				
Dixie King III	8.9	15.6	12.8	19.8					
Hancock	40.3	47.6	42.0	51.1					
Brycot 4	39.0	36.3	34.5						
Deltapine 26	7.2	5.6	4.4						
Deltapine 61	5.5	10.2	13.2						
McNair 220	6.6	11.6	9.5						
Stoneville 731N	19.1	33.7	34.2						
Vail 7	25.6	31.8	31.1						
Coker 315	7.7	17.0							
Coker 420	6.9	15.6							
Coker 3114	13.2	19.8							
Rex 731	8.5	16.3							
Coker 6118	3.4								
Coker 4601	5.5								
Deltapine 7141	7.6								
Deltapine 7132	5.2								
Gumbo	9.6								
McNair 235	6.7								

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

Table 8. Fiber Properties of Cotton Varieties at Belle Mina, Alabama, 1977

Variety	Span length 2.5%	Stelometer		Micronaire
		T ₁	E ₁	
	In.	cN/tex	%	Units
Auburn 56	1.05	18.13	6.86	4.62
Brycot 4	1.09	18.88	6.34	4.65
Coker 304	1.13	20.52	7.16	5.10
Coker 310	1.11	20.49	6.48	5.00
Coker 315	1.09	19.90	6.63	4.95
Coker 417	1.12	19.93	6.59	4.85
Coker 3114	1.10	19.56	6.92	4.82
Coker 420	1.09	21.26	6.81	4.60
Delcot 277	1.12	20.22	9.81	4.40
Deltapine 16	1.06	18.98	9.09	5.10
Deltapine 26	1.07	19.61	7.06	5.00
Deltapine 55	1.07	20.51	7.28	4.72
Deltapine 61	1.08	20.04	9.36	5.25
DES 24	1.10	19.92	8.27	4.87
Dixie King III	1.03	19.91	7.07	4.65
Hancock	1.03	19.27	7.19	4.75
McNair 220	1.06	20.54	6.64	5.07
McNair 511	1.04	20.46	7.31	5.15
McNair 612	1.09	18.96	6.98	4.82
Rex 731	1.07	15.94	8.08	4.80
Stoneville 213	1.06	18.88	8.53	5.00
Stoneville 603	1.04	19.33	6.80	5.10
Stoneville 731N	1.06	17.85	5.60	5.15
Vail 7	1.06	18.09	6.28	4.90

Table 9. Fiber Properties of Cotton Varieties at Winfield, Alabama, 1977

Variety	Span length 2.5%	Stelometer		Micronaire
		T ₁	E ₁	
	In.	cN/tex	%	Units
Auburn 56	1.03	17.11	7.48	3.80
Brycot 4	1.05	16.76	6.09	4.15
Coker 304	1.11	18.40	7.72	3.75
Coker 310	1.08	19.45	6.84	4.05
Coker 315	1.11	18.24	6.50	4.27
Coker 417	1.10	18.47	6.61	3.80
Coker 3114	1.12	18.89	7.28	4.10
Coker 420	1.14	20.66	7.58	3.95
Delcot 277	1.13	17.85	8.41	3.62
Deltapine 16	1.09	17.42	9.61	4.10
Deltapine 26	1.06	17.87	7.04	4.40
Deltapine 55	1.08	17.33	7.45	3.75
Deltapine 61	1.10	19.69	8.56	4.17
DES 24	1.07	17.71	7.66	3.95
Dixie King III	1.07	17.43	7.01	3.85
Hancock	1.04	16.94	7.19	3.85
McNair 220	1.07	17.28	6.99	4.05
McNair 511	1.04	17.96	7.53	3.95
McNair 612	1.08	17.84	6.96	4.32
Rex 731	1.12	14.41	7.58	4.00
Stoneville 213	1.08	16.20	7.97	4.20
Stoneville 603	1.10	17.87	6.64	4.15
Stoneville 731N	1.04	16.93	6.23	4.07
Vail 7	1.07	16.52	6.18	4.25

Table 10. Fiber Properties of Cotton Varieties at Brewton, Alabama, 1977

Variety	Span length 2.5% In.	Stelometer		Micronaire Units
		T ₁ cN/tex	E ₁ %	
Auburn 56	1.12	15.62	8.72	4.55
Brycot 4	1.13	17.07	8.02	3.87
Coker 304	1.17	17.62	7.86	3.50
Coker 310	1.21	18.82	7.61	4.13
Coker 315	1.20	17.59	8.05	3.50
Coker 417	1.19	18.74	7.76	3.75
Coker 3114	1.17	19.26	8.64	3.75
Coker 420	1.18	19.43	8.51	3.95
Delcot 277	1.19	18.78	10.70	3.45
Deltapine 16	1.17	17.42	10.32	3.27
Deltapine 26	1.16	18.77	8.19	3.55
Deltapine 55	1.15	18.28	8.79	3.45
Deltapine 61	1.17	17.42	10.32	3.27
DES 24	1.17	18.69	9.31	3.85
Dixie King III	1.12	19.69	8.13	3.72
Hancock	1.07	17.87	8.13	4.00
McNair 220	1.13	17.62	7.86	3.80
McNair 511	1.13	18.38	8.60	4.33
McNair 612	1.12	17.84	8.16	3.75
Rex 731	1.10	15.55	9.11	4.10
Stoneville 213	1.12	17.73	8.94	3.80
Stoneville 603	1.11	19.06	8.25	4.12
Stoneville 731N	1.14	17.07	7.83	3.72
Vail 7	1.11	17.02	7.77	3.75

Table 11. Fiber Properties of Cotton Varieties at Headland, Alabama, 1977

Variety	Span length	Stelometer		Micronaire
	2.5%	T ₁	E ₁	
	In.	cN/tex	%	Units
Auburn 56	1.05	15.97	7.26	4.65
Brycot 4	1.04	17.49	7.18	5.25
Coker 304	1.06	17.37	7.64	4.67
Coker 310	1.10	17.93	7.93	4.57
Coker 315	1.11	18.30	7.37	4.37
Coker 417	1.06	17.32	6.81	4.42
Coker 3114	1.09	17.12	7.44	4.50
Coker 420	1.09	17.55	7.42	4.12
Delcot 277	1.07	17.18	9.77	4.05
Deltapine 16	1.08	16.47	8.98	4.65
Deltapine 26	1.02	17.07	7.99	5.15
Deltapine 55	1.02	16.85	7.55	4.85
Deltapine 61	1.06	18.41	8.54	4.78
DES 24	1.06	17.44	7.99	4.80
Dixie King III	0.98	16.52	6.98	4.20
Hancock	1.05	15.44	7.55	4.35
McNair 220	1.06	17.31	7.21	4.55
McNair 511	1.02	16.71	7.90	4.73
McNair 612	1.03	15.51	7.19	4.33
Rex 731	1.04	15.31	7.64	4.68
Stoneville 213	1.06	16.24	8.02	4.85
Stoneville 603	1.05	16.34	7.20	4.75
Stoneville 731N	1.01	16.66	6.64	5.33
Vail 7	1.04	15.68	7.26	4.90

Table 12. Fiber Properties of Cotton Varieties at Monroeville, Alabama, 1977

Variety	Span length 2.5% In.	Stelometer		Micronaire Units
		T ₁ cN/tex	E ₁ %	
Auburn 56	1.10	15.91	9.22	4.40
Brycot 4	1.08	18.16	7.39	4.10
Coker 304	1.12	17.11	7.45	4.22
Coker 310	1.14	17.21	7.42	4.15
Coker 315	1.14	17.02	7.58	4.33
Coker 417	1.13	17.96	7.39	4.30
Coker 3114	1.18	18.39	8.67	4.10
Coker 420	1.14	18.38	8.44	4.40
Delcot 277	1.15	17.72	10.32	4.05
Deltapine 16	1.16	17.12	10.26	4.15
Deltapine 26	1.10	18.19	8.78	4.10
Deltapine 55	1.12	16.32	8.26	4.25
Deltapine 61	1.10	16.54	10.32	4.35
DES 24	1.15	17.48	9.20	4.52
Dixie King III	1.10	16.96	8.04	4.10
Hancock	1.15	17.11	8.12	3.93
McNair 220	1.13	17.43	7.35	4.45
McNair 511	1.10	17.07	8.91	4.48
McNair 612	1.10	17.11	7.22	4.70
Rex 731	1.11	14.62	9.10	5.00
Stoneville 213	1.09	15.44	8.61	4.35
Stoneville 603	1.12	17.93	7.37	3.95
Stoneville 731N	1.12	17.20	7.86	4.15
Vail 7	1.08	16.81	7.51	4.15

Table 13. Fiber Properties of Cotton Varieties at Prattville, Alabama, 1977

Variety	Span length 2.5% In.	Stelometer		Micronaire Units
		T ₁ cN/tex	E ₁ %	
Auburn 56	1.04	16.82	6.66	4.65
Brycot 4	1.07	16.56	5.97	4.80
Coker 304	1.12	17.16	6.96	5.03
Coker 310	1.13	18.84	5.94	4.80
Coker 315	1.08	19.65	6.03	5.20
Coker 417	1.16	18.15	6.96	4.47
Coker 3114	1.07	17.48	7.85	4.85
Coker 420	1.13	18.98	7.47	4.65
Delcot 277	1.12	18.76	8.50	4.25
Deltapine 16	1.14	17.92	8.67	4.87
Deltapine 26	1.15	18.07	8.12	4.55
Deltapine 55	1.05	18.13	6.93	4.67
Deltapine 61	1.10	17.53	9.86	5.10
DES 24	1.14	19.28	7.08	4.60
Dixie King III	1.06	17.91	6.55	4.85
Hancock	1.03	17.67	7.04	5.00
McNair 220	1.06	19.61	5.97	5.40
McNair 511	1.07	18.22	7.07	5.18
McNair 612	1.07	18.57	6.09	5.25
Rex 731	1.07	14.94	7.51	4.55
Stoneville 213	1.07	17.36	7.37	5.05
Stoneville 603	1.07	18.11	6.21	4.85
Stoneville 731N	1.07	17.78	6.20	5.20
Vail 7	1.08	16.75	6.64	5.15

Source of Seed for the 1978 Cotton Variety Tests

Variety	Seed source
Auburn 56	Auburn University (Alabama) Agricultural Experiment Station Auburn, AL 36830
Deltapine 55 Deltapine 26 Deltapine 61 Deltapine 7141	Delta and Pine Land Co. Scott, MS 38772
Stoneville 213 Stoneville 603 Stoneville 825 Dixie King III	Stoneville Pedigreed Seed Co. Stoneville, MS 38776
Coker 310 Coker 6118 Coker 304 Coker 315 Coker 420 Coker 3114 Coker 4601	Coker's Pedigreed Seed Co. Hartsville, SC 29550
Delcot 277	Delta Center Portageville, MO 63873
McNair 235 McNair 220	McNair Seed Co. Laurinburg, NC 28532
Hancock	West Tennessee Experiment Station Jackson, TN 38301
Brycot 4 Vail 7	Bryco Jonesboro, AR 72401
DES 24 DES 56	Delta Branch Experiment Station Stoneville, MS 38776
Rex 731	Cotton Branch Experiment Station Marianna, AR 72360

