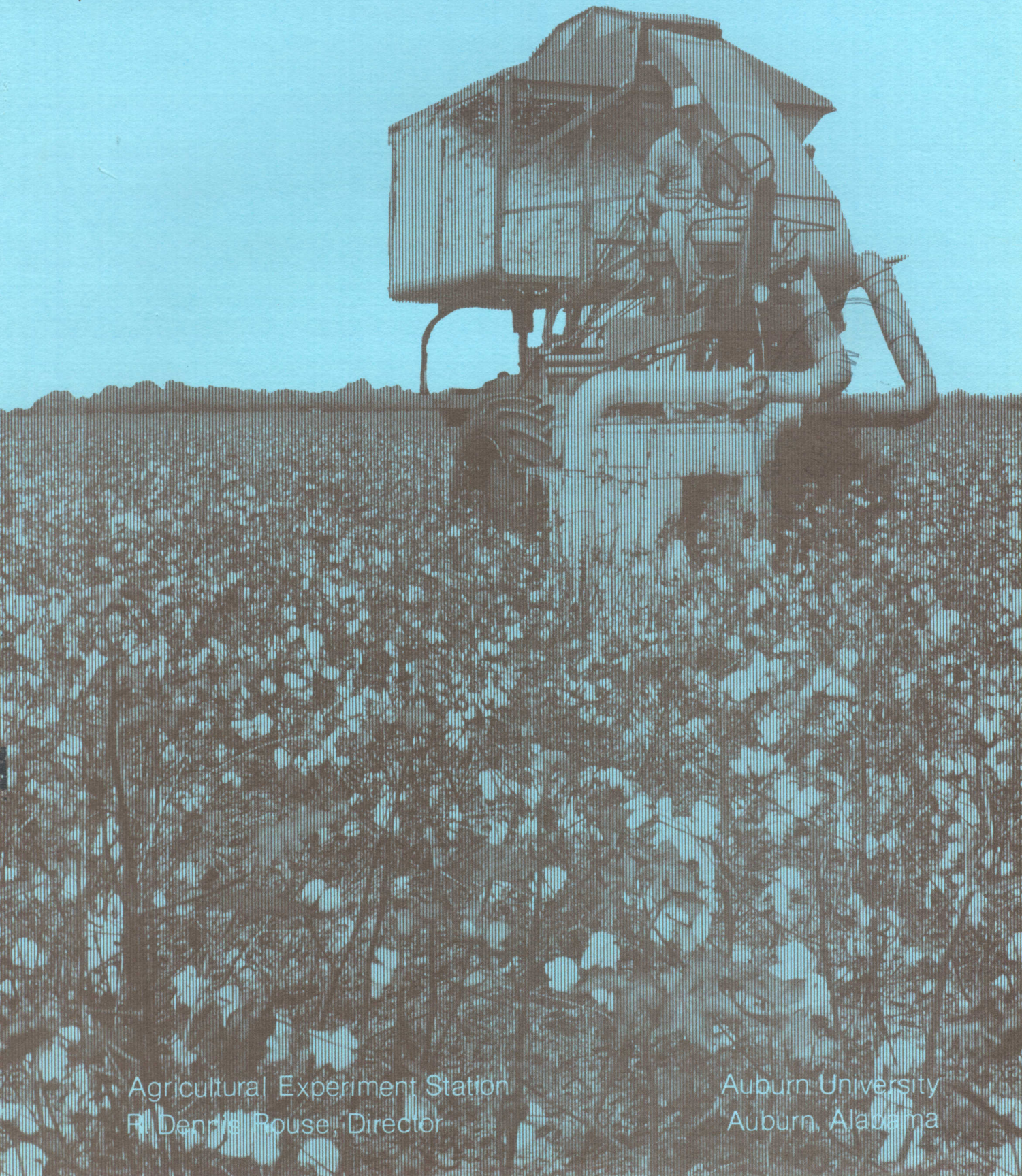
Alabama Cotton Variety Tests 1972

Department of Agronomy and Soils

Departmental Series No. 8



Agricultural Experiment Station
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Auburn, Alabama

1972 ALABAMA COTTON VARIETY REPORT[1/]

A Report of the Performance of Cotton Varieties Tested at Nine Locations in Alabama During 1972

Wiley C. Johnson[2/]

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

Experimental Design

A randomized block design in four replications was used at each of nine locations. Length of plots at different locations varied from 40 to 138 feet. All plots were single-row except at Prattville and Monroeville where 2-row plots were used.

Seasonal Conditions

In general, early weather conditions were adequate for successful establishment. At all locations stands were established within the optimum time period. Rainfall was near normal through midseason but most locations in the central and southern areas experienced some degree of moisture stress during the latter part of the season. Insects were not excessive and were adequately controlled.

Explanation of Data

Yield of Seed Cotton: Tests at Prattville, Tallassee, Belle Mina, Crossville, Brewton, and Monroeville were harvested by a mechanical spindle

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[1/] January 1973

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picker. Other tests 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 of each variety from each location was taken at the first 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.

Fusarium Wilt Percentage: All varieties submitted for testing in the Alabama Cotton Variety Tests were entered in the "Regional Cotton Fusarium Wilt Screening Test" conducted at the Plant Breeding Unit, Tallassee, Alabama, on a soil heavily infested with rootknot nematodes and the Fusarium wilt fungus. Evaluations were made by counting the live plants in late June and again in late August. Differences in the counts were expressed as a percentage and considered to be caused by Fusarium wilt.

Earliness: Earliness percentage is calculated where more than one harvest is made by dividing the first harvest lint yield by total lint yield.

Fiber Properties: Measurements of fiber properties are not available at this time. A supplement to this report will be made when this information is available.

Approved Varieties

Many factors are taken into account in approving varieties. Amount of lint harvested is one of the most important but certainly not the only factor of importance. Resistance to prevalent diseases, adaptability to mechanical harvesting, storm resistance, seedling vigor, and fiber quality are among other factors considered.

The following varieties have been tested at least 3 years and are approved for use in Alabama. They are listed alphabetically in groups according to Fusarium wilt reaction.

Resistant	Intermediate	Susceptible
Auburn 56	Coker 201	Deltapine 45A
Auburn M	Coker 310	Hancock
Dixie King II	Coker 417	Hy-Bee 200A
	Delcot 277	Stoneville 213
	Deltapine 16	
	Hy-Bee 100A	
	Rex Smoothleaf 66	
	Stoneville 603	

The following varieties have been tested for 2 years.

Deltapine 25 (previously designated DPL 6225) - Selected for high lint yield, high lint percentage, and resistance to lodging. Tests to date indicate resistance to Fusarium wilt. It is conditionally approved on a trial basis.

McNair 511 - This variety is similar to the familiar McNair 1032B which has been discontinued by its originators. McNair 511 differs from McNair 1032B in that it has longer fiber. It also appears to have good resistance to Fusarium wilt. McNair 511 is conditionally approved on a trial basis.

McNair 210 - This variety is early and semideterminate. It was developed especially for the northern part of the cotton belt or for other situations where earliness was especially important. Yield to date has been less than that of McNair 511.

New and Experimental Varieties

A6-688-BE and A6-741-AE are Auburn breeding lines with a high level of resistance to rootknot nematodes. Acala 1517-70 and Lockett 4789-A are not grown in the Southeast. They are standard check varieties for the Regional Variety Test which is national in scope and in which Alabama participates. Acala 1517-70 is grown in California and Lockett 4789-A is grown in the Southwest. Lockett 4789-A is also used in some narrow-row culture. Coker 5110 was developed for use in the Southwest but is included to check its potential in Alabama. Dixie King 375, Coker 8103, DPL 652-679-72, McNair 0612, McNair 0718, and McNair 9512 are promising experimental lines which are included to obtain early information in the event of their release as cotton varieties.

Acknowledgement

I wish to express my appreciation to Dr. A. J. Kappleman, Jr., for Fusarium wilt ratings, and to superintendents J. K. Boseck, S. E. Gissendanner, Robert Moore, J. G. Starling, F. T. Glaze, Emmett Carden, and J. W. Langford for growing and harvesting the variety tests.

Table 1. Performance of Cotton Varieties in Northern Alabama, 1972

Variety	Yield of lint per acre				Lint percentage				Earliness
	Belle Mina	Cross-ville	Win-field	Av.	Belle Mina	Cross-ville	Win-field	Av.	Belle Mina
	Lb.	Lb.	Lb.	Lb.	Pct.	Pct.	Pct.	Pct.	Pct.
Hy-Bee 200A	1,363	565	987	971	42	44	44	43	82
Hancock	1,294	527	899	906	43	44	46	44	86
Stoneville 213	1,218	443	942	868	42	43	45	43	73
DPL 652-679-72	1,244	412	911	855	45	46	47	46	78
Hy-Bee 100A	1,213	526	807	849	40	44	44	43	83
Delcot 277	1,187	401	885	824	41	43	44	43	87
Deltapine 25	1,145	496	829	823	42	46	46	45	76
Deltapine 45A	1,181	519	769	823	43	44	43	43	77
Deltapine 16	1,212	415	818	815	43	43	43	43	76
Coker 310	1,268	367	775	801	44	44	44	44	85
Coker 201	1,083	418	900	800	44	44	44	44	80
Coker 417	1,198	379	802	793	42	42	43	42	81
Stoneville 603	1,145	401	826	791	40	42	43	41	79
Rex Smoothleaf 66	1,034	443	892	790	39	42	43	41	82
Dixie King II	1,073	418	866	786	42	44	44	44	80
McNair 511	923	508	794	741	43	41	42	42	71
McNair 210	977	439	779	732	39	41	41	40	81
Auburn 56	990	443	756	730	40	41	40	40	75
Coker 8103	1,045	326	814	728	42	42	42	42	84
Auburn M	967	272	815	718	40	40	41	41	81
Lockett 4789-A	761	263	753	592	40	40	42	41	74
(Following varieties were not tested at all locations)									
McNair 9512	1,105				41				73
McNair 0612	1,100				44				77
McNair 0718	1,047				41				78
Dixie King 375		512	897			42	42		
Acala 1517-70		225				39			

Table 2. Performance of Cotton Varieties in Northern Alabama, Two-year Average, 1971-72

Variety	Yield of lint per acre				Lint percentage			
	Belle Mina	Cross-ville	Win-field	Av.	Belle Mina	Cross-ville	Win-field	Av.
	Lb.	Lb.	Lb.	Lb.	Pct.	Pct.	Pct.	Pct.
Hy-Bee 200A	1,383	828	1,098	1,103	42	43	42	42
Hy-Bee 100A	1,361	803	1,097	1,087	42	43	42	42
Stoneville 213	1,351	736	1,149	1,079	42	42	43	42
Hancock	1,358	757	1,121	1,078	42	43	44	43
Coker 201	1,281	726	1,112	1,040	43	43	44	43
Deltapine 25	1,318	723	1,045	1,029	43	44	44	44
Coker 310	1,356	726	1,000	1,027	44	44	44	44
Dixie King II	1,294	743	1,011	1,016	42	44	43	43
Coker 417	1,372	708	953	1,011	42	42	42	42
Stoneville 603	1,266	746	1,014	1,009	40	41	41	41
Deltapine 45A	1,299	721	995	1,005	43	43	42	43
McNair 511	1,194	832	946	991	42	41	41	41
Deltapine 16	1,286	711	958	985	42	42	42	42
Rex Smoothleaf 66	1,054	718	1,058	957	39	42	42	41
McNair 210	1,088	721	906	905	39	40	39	40
Delcot 277	992	670	1,034	899	42	41	42	42
Auburn 56	1,086	738	872	899	40	41	40	40
Auburn M	981	683	961	875	40	39	41	40
(Following variety was not tested at all locations)								
Lockett 4789-A	952							

Table 3. Performance of Cotton Varieties in Northern Alabama, Three-year Average, 1970-1971-1972

Variety	Yield of lint per acre				Lint percentage			
	Belle Mina	Cross-ville	Win-field	Av.	Belle Mina	Cross-ville	Win-field	Av.
	Lb.	Lb.	Lb.	Lb.	Pct.	Pct.	Pct.	Pct.
Hy-Bee 200A	1,252	926	1,090	1,089	41	43	42	42
Stoneville 213	1,204	849	1,057	1,037	42	42	42	42
Stoneville 603	1,193	841	1,030	1,022	40	41	40	40
Hancock	1,154	866	1,040	1,020	42	42	43	42
Hy-Bee 100A	1,134	868	1,044	1,015	42	43	42	42
Deltapine 45A	1,212	850	975	1,013	42	42	41	42
Deltapine 16	1,186	801	1,021	1,003	41	41	41	41
Coker 310	1,199	830	961	997	43	43	42	42
Coker 417	1,197	823	933	984	41	41	41	41
Coker 201	1,089	801	1,038	976	43	42	42	43
Dixie King II	1,102	830	972	968	41	42	41	42
Delcot 277	1,009	806	1,016	944	41	41	41	41
Rex Smoothleaf 66	968	815	922	902	39	41	41	40
Auburn M	871	798	967	879	40	40	39	40
Auburn 56	955	819	853	876	40	40	39	40

Table 4. Performance of Cotton Varieties in Southern Alabama, 1972

Variety	Yield of lint per acre							Lint percentage						
	Auburn	Brewton	Headland	Monroeville	Prattville	Tallassee	Av.	Auburn	Brewton	Headland	Monroeville	Prattville	Tallassee	Av
	Lb.	Lb.	Lb.	Lb.	Lb.	Lb.	Lb.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pc
Hy-Bee 200A	482	993	886	724	1,085	885	843	40	43	41	40	43	41	41
Dixie King II	504	1,052	920	620	912	899	818	39	43	39	41	42	42	41
Delcott 277	579	1,034	977	567	840	900	816	39	42	38	40	41	41	40
Stoneville 213	505	892	863	730	952	867	801	41	38	40	43	42	42	41
Hy-Bee 100A	465	914	840	671	1,023	869	797	39	42	38	43	43	41	41
Deltapine 25	444	1,071	691	650	989	905	792	42	46	42	44	45	44	44
Coker 201	519	986	811	631	863	867	780	40	43	40	43	43	43	42
Hancock	541	742	907	684	918	848	773	41	43	39	43	43	41	42
Coker 417	491	884	878	605	884	850	765	38	40	38	42	41	41	40
Auburn 56	471	911	877	601	847	860	761	36	40	36	40	40	39	39
Deltapine 16	482	764	866	557	985	893	758	39	41	39	43	42	41	41
McNair 511	492	950	645	537	970	934	755	38	40	37	42	43	41	40
Rex Smooth-leaf 66	584	858	934	589	790	776	755	38	41	38	41	39	38	39
Coker 310	575	757	817	622	831	915	753	40	42	40	43	43	44	42
Deltapine 45A	447	891	674	564	942	910	738	38	43	40	42	44	42	42
Stoneville 603	502	777	905	561	852	746	724	37	41	38	41	41	40	40
DPL 652-679-72	477	813	913	566	876	621	711	42	44	42	42	45	33	41
Auburn M	529	784	691	405	807	810	671	36	40	37	41	40	38	39
McNair 210	509	697	826	478	793	677	663	36	39	38	41	39	37	38
(Following varieties were not tested at all locations)														
A6-741-AE		899	926						40	39				
A6-688-BE		806	933						43	41				
Coker 5110		890	1,006	640					41	39	42			
McNair 9512		965	960	477					41	38	41			
McNair 0718		1,060	792	513					41	38	41			
Dixie King 375	508			659	1,010	830		38			42	43	41	
Coker 8103	432				870	853		39				40	41	
McNair 0612		821	819	491					44	40	42			
Lockett 4789-A	442			483				37			40			
Acala 1517-70	207							37						

Table 5. Performance of Cotton Varieties in Southern Alabama, Two-year Average, 1971-1972[1/]

Variety	Yield of lint per acre						Lint percentage					
	Auburn	Brew-ton	Head-land	Monroe-ville	Pratt-ville	Av.	Auburn	Brew-ton	Head-land	Monroe-ville	Pratt-ville	Av
	Lb.	Lb.	Lb.	Lb.	Lb.	Lb.	Pct.	Pct.	Pct.	Pct.	Pct.	Pc
Hy-Bee 200A	624	1,194	651	732	1,178	876	40	42	38	41	43	41
Hy-Bee 100A	570	1,224	574	713	1,152	846	39	43	36	42	44	41
Deltapine 25	653	1,227	517	729	1,106	846	42	45	38	44	45	43
Coker 201	655	1,184	630	750	993	842	41	43	37	43	44	42
Coker 417	606	1,139	664	737	1,045	838	39	41	37	41	41	40
McNair 511	620	1,220	469	752	1,087	830	38	40	37	41	42	40
Dixie King II	645	1,147	613	711	1,025	828	40	42	37	41	42	40
Stoneville 213	669	1,097	568	728	1,049	822	41	40	38	41	43	41
Deltapine 16	701	1,016	629	685	1,049	816	40	41	38	41	42	40
Coker 310	653	1,080	568	728	1,044	815	41	43	37	43	44	42
Delcot 277	626	1,178	645	678	915	808	39	42	37	40	41	40
Deltapine 45A	623	1,129	515	710	1,037	803	39	43	38	42	43	41
Stoneville 603	601	957	711	711	972	790	38	41	37	40	41	40
Hancock	658	891	615	735	991	778	41	43	38	43	43	42
Auburn 56	592	1,045	653	619	952	772	37	40	35	39	40	38
McNair 210	585	931	617	580	913	725	37	39	37	41	39	39
Rex Smoothleaf 66	632	905	657	594	834	724	37	40	36	40	39	39
Auburn M	585	908	567	509	869	687	37	40	36	40	40	39
(Following variety was not tested at all locations)												
Lockett 4789-A	524						38					

[1/] Cotton was not harvested at Tallassee in 1971.

Table 6. Performance of Cotton Varieties in Southern Alabama, Three-year Average, 1970-1971-1972[1/]

Variety	Yield of lint per acre					Lint percentage				
	Auburn	Brewton	Head-land	Pratt-ville	Av.	Auburn	Brewton	Head-land	Pratt-ville	Av.
	Lb.	Lb.	Lb.	Lb.	Lb.	Pct.	Pct.	Pct.	Pct.	Pct.
Hy-Bee 200A	612	1,021	689	1,114	859	39	42	38	42	40
Coker 201	640	1,054	780	943	855	41	43	38	43	41
Hy-Bee 100A	571	1,061	707	1,053	848	40	42	37	43	41
Deltapine 16	654	927	773	1,031	846	40	41	39	42	40
Coker 417	584	1,006	766	1,006	841	39	41	37	41	39
Dixie King II	620	1,014	733	980	837	40	42	37	42	40
Stoneville 213	647	974	714	995	832	40	40	39	42	40
Deltapine 45A	619	1,025	657	1,019	830	39	42	38	43	41
Coker 310	623	953	694	996	817	41	43	37	43	41
Stoneville 603	615	845	772	969	800	37	41	37	41	39
Delcot 277	600	971	708	869	787	39	42	37	41	40
Auburn 56	557	942	725	904	782	37	40	35	39	38
Hancock	629	777	662	953	755	41	42	38	42	41
Rex Smoothleaf 66	604	762	768	795	732	38	40	37	38	38
Auburn M	563	768	702	816	712	37	40	37	39	38

[1/] Cotton was not harvested at Tallassee in 1971 and at Monroeville in 1970.

Table 7. Percentage of Plant Showing Symptoms of Fusarium Wilt[1/]

Variety	1972	Av. 1970-71-72
	Pct.	Pct.
Auburn 56	9.6	24.4
Auburn M	26.7	27.7
Coker 201	16.2	46.5
Coker 417	29.9	43.1
Coker 310	9.9	43.6
Delcot 277	11.6	39.3
Deltapine 16	25.8	55.2
Deltapine 45A	9.5	59.1
Dixie King II	16.4	24.3
Hy-Bee 100A	34.8	48.8
Hy-Bee 200A	43.9	70.2
Rex Smoothleaf 66	20.9	33.9
Stoneville 213	31.3	58.9
Stoneville 603	20.3	35.8
A6-668 BE	9.8	
A6-741 AE	13.4	
Coker 5110	10.8	
Coker 8103	27.4	
Coker 8304	26.3	
Deltapine 25	13.4	
DPL 652-679-72	16.9	
McNair 210	29.4	
McNair 511	17.1	

[1/] Data were taken from a field severely infested with the Fusarium wilt fungus and root-knot nematodes, Plant Breeding Unit, Tallassee, Alabama.

1972

CALCULATIONS FROM DATA

EED.	NO.	SAMP. NO.	50 SL	2.5 SL	T1	E1	STIL. NO.	MIC
11	Lockett 4788 A	81	0.50	1.09	16.96	8.33	2	4.42
11	Coker 417	82	0.54	1.19	17.82	7.67	3	4.00
11	Coker 201	83	0.52	1.15	16.34	9.03	3	4.02
11	Stoneville 603	84	0.52	1.14	17.21	8.64	2	4.25
11	St. 213	85	0.52	1.10	16.68	8.78	2	4.80
11	Dixie King II	86	0.52	1.10	16.14	8.56	3	4.30
11	DPL 652-679-72	87	0.52	1.14	18.10	8.92	2	4.15
11	Deltapine 25	88	0.54	1.13	18.32	8.28	2	4.82
11	Deltapine 45A	89	0.52	1.11	17.02	9.15	3	4.22
11	Deltapine 16	90	0.51	1.12	17.37	10.01	3	4.48
11	Rex SL-66	91	0.50	1.13	16.08	8.42	2	4.22
11	Delcat 277	92	0.54	1.16	18.34	9.17	2	3.75
11	Auburn M	93	0.52	1.12	15.16	8.59	3	4.07
11	Hancock	94	0.52	1.10	16.55	8.30	2	4.55
11	Auburn 56	95	0.53	1.12	18.01	8.14	2	4.85
11	McNair 571	96	0.52	1.11	17.39	8.56	3	4.50
11	McNair 210	97	0.52	1.11	17.93	7.80	2	4.25
11	HyBee 200A	98	0.52	1.13	17.06	9.51	3	4.50
11	HyBee 100A	99	0.54	1.17	17.35	8.05	3	4.27
11	Coker 310	100	0.54	1.20	17.75	8.05	2	4.30
11	Coker 8103	101	0.54	1.18	19.86	6.72	2	4.25
11	McNair 0718	102	0.49	1.06	17.37	8.97	3	3.92
11	McNair 9512	103	0.50	1.07	17.47	8.19	2	4.45
11	McNair 0612	104	0.51	1.16	16.72	7.87	3	4.75
11	HyBee 100A	105	0.48	1.07	17.01	7.43	3	4.45
11	HyBee 200A	106	0.48	1.07	16.95	7.19	2	4.15
11	McNair 571	107	0.48	1.06	18.82	7.00	2	4.20
11	McNair 210	108	0.46	1.05	16.84	7.37	3	4.65
11	Hancock	109	0.47	1.03	16.90	6.50	2	4.25
11	Auburn M	110	0.47	1.05	16.69	8.80	3	4.00
11	Auburn 56	111	0.46	1.05	16.55	7.50	2	4.35
11	Delcat 277	112	0.50	1.10	18.14	9.21	3	3.95
11	Rex SL-66	113	0.46	1.04	16.08	7.11	2	3.95
11	Deltapine 16	114	0.49	1.07	18.57	9.86	2	4.30
11	Deltapine 45A	115	0.51	1.06	17.13	8.53	3	4.15
11	Deltapine 25	116	0.47	1.04	17.32	8.23	3	4.85
11	DPL 652-679-72	117	0.48	1.05	19.05	8.00	2	4.22
11	Dixie King II	118	0.47	1.05	17.80	6.17	2	4.32
11	Stoneville 213	119	0.50	1.05	17.40	8.50	3	4.53
11	Stoneville 603	120	0.50	1.08	18.69	8.00	2	4.15
11	Coker 201	121	0.49	1.07	17.77	6.98	3	4.30
11	Coker 417	122	0.51	1.11	17.69	7.34	3	4.17
11	Coker 310	123	0.49	1.10	18.89	6.83	2	4.25
11	McNair 0718	124	0.46	1.05	17.84	7.43	3	4.53
11	McNair 9512	125	0.47	1.05	17.90	7.61	2	4.40

Terry, Valley S.S.

Brewton Field

CALCULATIONS FROM DATA 1972

REED. NO.	SAMP. NO.	50 SL	2.5 SL	T1	E1	STIL. NO.	MIC
Brawton → 11 McNair 0612	126	0.49	1.08	18.28	6.56	3	4.55
11 A6-688-BE	127	0.46	1.04	18.31	6.07	2	4.40
11 A6-741-AE	128	0.47	1.04	18.88	7.94	3	4.20
11 Coker 5110	129	0.51	1.12	18.52	7.46	3	4.12
← 11 Coker 201	130	0.50	1.08	17.66	5.80	2	4.82
11 Coker 417	131	0.52	1.13	18.29	6.02	2	4.35
11 Coker 310	132	0.46	1.13	18.22	7.04	3	4.20
11 Stoneville 603	133	0.49	1.10	17.61	8.09	2	4.12
11 Stoneville 213	134	0.53	1.13	17.71	8.14	3	4.37
Headland Ala. 11 Dixie King II	135	0.47	1.05	16.78	7.12	3	3.80
11 DPL 652-679-72	136	0.48	1.12	17.39	7.62	2	3.62
11 Deltapine 25	137	0.53	1.11	17.67	8.05	3	4.57
11 Deltapine 45A	138	0.54	1.10	18.09	8.28	2	4.45
11 Deltapine 16	139	0.51	1.13	18.04	9.24	3	4.57
11 Rex SL-66	140	0.46	1.13	19.21	8.39	3	4.17
11 Delcot 277	141	0.49	1.09	16.90	7.04	2	4.23
11 Auburn 56	142	0.47	1.03	16.38	7.80	3	4.60
11 Auburn M	143	0.51	1.09	17.00	7.29	2	4.10
11 Hancock	144	0.52	1.07	17.76	6.25	3	4.25
S.S., Wiregrass → 11 McNair 210	145	0.47	1.07	17.85	5.66	2	4.55
11 McNair 511	146	0.47	1.05	17.67	6.56	3	4.40
11 HyBee 200A	147	0.51	1.06	16.92	7.40	2	4.85
11 HyBee 100A	148	0.52	1.11	17.45	6.87	3	4.40
11 Coker 5110	149	0.54	1.16	18.87	6.65	2	4.35
11 A6-668-BE	150	0.49	1.06	18.42	6.90	2	4.52
11 A6-741-AE	151	0.51	1.09	19.79	7.04	2	4.40
11 McNair 0612	152	0.46	1.08	17.93	5.99	3	4.60
11 McNair 9512	153	0.51	1.07	18.64	7.29	3	4.45
11 McNair 0718	154	0.51	1.06	19.99	7.37	2	4.40
Monroeville Field ← 11 HyBee 100A	155	0.49	1.07	17.92	6.90	3	4.35
11 HyBee 200A	156	0.46	1.02	17.52	7.07	2	4.45
11 McNair 511	157	0.47	1.06	18.86	6.75	3	4.50
11 McNair 210	158	0.46	1.05	19.45	6.08	3	4.15
11 Hancock	159	0.46	1.00	16.63	6.10	2	4.30
11 Auburn M	160	0.45	1.00	16.69	7.38	3	3.75
11 Auburn 56	161	0.46	1.01	17.41	7.23	2	4.40
11 Delcot 277	162	0.52	1.13	20.01	9.10	3	4.25
11 Rex SL-66	163	0.45	1.02	16.87	6.95	3	4.20
11 Deltapine 16	164	0.46	1.04	17.61	8.50	2	4.45
11 Deltapine 45A	165	0.47	1.01	17.73	7.38	3	4.65
11 Deltapine 25	166	0.47	1.06	18.65	6.65	2	4.87
11 DPL 652-679-72	167	0.46	1.04	16.68	7.63	3	4.45
11 Dixie King II	168	0.45	1.02	16.24	5.74	2	4.55
11 Stoneville 213	169	0.47	1.06	17.29	7.60	3	4.75

CALCULATIONS FROM DATA 1972

REED. NO.	SAMP. NO.	50 SL	2.5 SL	T1	E1	STIL. NO.	MIC
Monroeville Field 11 Monville 603	170	0.45	1.02	17.46	6.99	2	4.27
11 Coker 201	171	0.46	1.04	18.30	6.90	3	4.30
11 Coker 417	172	0.50	1.13	20.49	5.85	2	4.20
11 Coker 310	173	0.49	1.11	18.81	7.26	3	4.20
11 McNair 0718	174	0.43	0.98	18.02	6.79	2	4.35
11 McNair 9512	175	0.45	0.99	17.10	7.69	3	4.65
11 McNair 0612	176	0.47	1.08	18.79	6.07	2	4.65
11 Coker 5110	177	0.50	1.10	19.27	6.79	2	4.35
11 Jockett 4789A	178	0.48	1.03	19.33	6.49	2	4.32
↑ 11 Dixie King 375	179	0.47	1.02	17.41	6.02	3	4.55

CALCULATIONS FROM DATA 1972

BREED. NO.	SAMP. NO.	50 SL	2.5 SL	T1	E1	STIL. NO.	MIC
11 HyBee 100A	180	0.51	1.13	17.79	8.78	3	4.5
11 HyBee 200A	181	0.50	1.11	17.63	8.40	2	4.5
11 McNair 511	182	0.51	1.08	18.41	8.72	3	4.7
11 McNair 210	183	0.51	1.11	19.49	7.01	2	4.1
11 Hancock	184	0.48	1.06	17.68	7.35	3	4.3
11 Auburn M	185	0.50	1.09	17.71	8.04	2	4.6
11 Auburn 56	186	0.48	1.06	17.70	8.43	3	4.2
11 Delcot 277	187	0.52	1.15	19.50	9.76	3	4.0
11 Rex SL-66	188	0.49	1.13	17.31	8.13	3	4.0
11 Deltapine 16	189	0.53	1.14	18.28	9.03	2	4.7
11 Deltapine 45A	190	0.50	1.08	17.63	9.34	3	4.2
11 Deltapine 25	191	0.51	1.11	17.77	8.59	3	4.5
11 DPL 652-679-72	192	0.49	1.09	17.84	7.95	2	4.1
11 Dixie King II	193	0.47	1.06	17.07	7.19	3	4.0
11 Stoneville 213	194	0.49	1.09	17.63	7.18	2	4.2
11 Stoneville 603	195	0.50	1.11	17.21	8.78	3	4.1
11 Coker 201	196	0.47	1.09	17.27	6.76	2	3.8
11 Coker 417	197	0.50	1.14	18.68	6.90	3	3.7
11 Coker 310	198	0.49	1.15	18.99	7.15	2	4.4
11 Coker 8103	199	0.51	1.12	19.79	6.86	3	3.7
11 Dixie King 375	200	0.50	1.10	17.97	6.65	2	4.1
11 HyBee 100A	201	0.46	1.11	17.10	8.10	3	3.2
11 HyBee 200A	202	0.47	1.11	16.99	7.40	2	3.7
11 McNair 511	203	0.50	1.12	19.07	7.12	3	3.7
11 McNair 210	204	0.51	1.13	17.74	6.90	2	3.6
11 Hancock	205	0.47	1.08	16.49	7.48	3	3.6
11 Auburn M	206	0.48	1.09	17.17	7.51	2	3.7
11 Auburn 56	207	0.48	1.07	18.69	8.26	2	3.4
11 Delcot 277	208	0.53	1.17	20.31	8.89	2	3.3
11 Rex SL-66	209	0.47	1.10	17.22	7.81	3	3.4
11 Deltapine 16	210	0.49	1.15	17.58	9.12	2	3.4
11 Deltapine 451	211	0.49	1.09	~~19.59~~ *18.93	~~9.34~~ 9.34	3	3.4
11 Deltapine 25	212	0.47	1.08	18.00	7.87	2	3.9
11 DPL 652-679-72	213	0.46	1.09	17.81	8.72	3	3.4
11 Dixie King II	214	0.46	1.05	15.81	6.79	2	3.5
11 Dixie King 375	215	0.50	1.09	17.40	8.17	3	3.4
11 Stoneville 213	216	0.51	1.11	17.56	7.51	2	3.8
11 Stoneville 603	217	0.46	1.08	17.36	7.71	3	3.6
11 Coker 201	218	0.49	1.09	18.61	7.04	2	3.7
11 Coker 8103	219	0.49	1.11	19.55	7.71	3	3.7
11 Coker 310	220	0.48	1.11	17.83	7.90	2	4.0
11 Coker 417	221	0.48	1.11	19.23	7.45	3	3.6
11 DPL 652-679-72	222	0.48	1.10	17.49	7.51	2	4.2
11 Deltapine 45A	223	0.52	1.13	17.84	9.30	3	4.0

PRATTVILLE

TALLASSEE

Auburn

CALCULATIONS FROM DATA 1972

BREED. NO.	SAMP. NO.	50 SL	2.5 SL	T1	E1	STIL. NO.	MI
11 Rex SL-66	224	0.48	1.09	16.12	7.87	2	3.8
11 Auburn 56	225	0.47	1.04	16.43	9.17	3	3.9
11 Auburn M	226	0.51	1.10	18.14	8.73	2	3.8
11 Hancock	227	0.46	1.04	16.36	7.35	3	4.0
11 Dixie King 375	228	0.52	1.09	17.84	6.54	2	4.5
11 HyBee 200A	229	0.51	1.11	17.13	8.75	3	4.1
11 HyBee 100A	230	0.54	1.16	17.66	7.18	2	4.1
11 HyBee 100A	231	0.49	1.06	17.26	7.43	2	4.8
11 HyBee 200A	232	0.49	1.02	16.96	9.09	2	4.9
11 Hancock	233	0.52	1.06	17.35	7.65	2	4.7
11 Auburn M	234	0.51	1.07	16.90	8.72	3	3.8
11 Auburn 56	235	0.50	1.04	17.84	8.59	2	4.0
11 Rex SL-66	236	0.46	1.01	15.30	8.15	2	4.4
11 Deltapine 45A	237	0.54	1.07	17.99	9.53	2	5.0
11 DPL 652-679-72	238	0.51	1.06	17.49	7.68	2	4.7
11 Dixie King 375	239	0.48	1.05	17.76	8.04	2	3.8
11 Dixie King 375	240	0.44	0.99	17.31	7.48	2	4.6
11 Coker 8163	241	0.46	1.00	19.92	8.00	3	4.9
11 Coker 310	242	0.48	1.06	18.52	8.10	3	4.3
11 HyBee 100A	243	0.44	0.98	16.57	8.20	2	4.5
11 HyBee 200A	244	0.50	1.08	~~19.74~~*19.69	~~10.87~~ 10.53	3	4.4
11 McNair 210	245	0.45	1.00	~~16.86~~*17.33	~~7.15~~ 7.27	2	4.8
11 McNair 511	246	0.45	1.00	~~17.99~~*18.02	~~8.62~~ 8.18	3	4.8
11 Auburn 56	247	0.44	0.95	15.82	8.43	3	4.4
11 Hancock	248	0.44	0.97	16.20	7.51	2	4.2
11 Auburn M	249	0.45	0.98	16.89	8.26	3	4.2
11 Delcot 277	250	0.51	1.12	20.23	10.28	3	3.9
11 Rex SL-66	251	0.46	1.03	15.65	8.17	2	4.1
11 Deltapine 16	252	0.48	1.02	17.98	9.66	3	4.7
11 Deltapine 45A	253	0.45	0.96	17.30	9.25	2	4.7
11 Dixie King II	254	0.43	0.97	15.76	7.03	3	4.5
11 Coker 414	255	0.49	1.03	18.83	7.81	3	4.1
11 Sokett 4789A	256	0.45	1.00	17.34	8.04	2	4.2
11 Stoneville 603	257	0.45	1.02	16.61	8.20	3	4.3
11 Coker 201	258	0.48	1.01	17.03	7.65	2	4.8
11 Stoneville 213	259	0.44	0.98	15.94	8.88	3	4.9
11 Deltapine 25	260	0.48	1.03	18.25	7.68	2	4.7
11 DPL 652-679-72	261	0.46	0.99	17.52	8.06	2	4.4

Auburn → Kind Mt. S.S. Crossville

Upper Coastal Plain S.S. Winfield, Ala.