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RESULTS OF COTTON VARIETY TESTS IN ALABAMA FOR THE PERIOD 1925-1929, INCLUSIVE

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During the cotton marketing season of 1930, a greatly increased interest in quality of cotton has been developed by farmers due to the dockage assessed against cotton with a staple below 7/8 inch in length. This stimulated interest has caused numerous inquiries for information relating to desirable varieties as shown by tests conducted in the state by the Alabama Experiment Station. Since a full report on varieties tested in 1930 will not be available before January, it has been decided to present a complete review of the tests conducted from 1925 through 1929. These results are summarized in table form on the second page of this report.

In columns 1 and 2 of the table will be found average yields of lint cotton and average lengths of staple of the varieties tested in North Alabama. Especial note should be made that varieties named near the bottom of the table have not been tested over the five-year period, but are included because of the fact that they are popular varieties, but have a very poor quality. High-yielding varieties in North Alabama that have consistently produced a staple of 28/32, or longer, are Cook 1627, D. P. L. 4-8, Delfos, and Trice. The last three varieties named are not as easily picked as Cook 1627, but have a slightly better staple than the Cook strain.

Results for Central Alabama are shown in columns 3 and 4 in the table. High-yielding varieties in this group are Cook 1627, D. P. L. 4-8, Dixie-Triumph, Piedmont-Cleveland, Wannamaker-Cleveland, Cook 588, and Cook 307 (Rhyne). Of these high-yielding varieties, only Cook 1627, D. P. L. 4-8 and Dixie-Triumph have consistently produced a staple 28/32 of an inch or longer.

In the last two columns of the table are reported the results for wilt-resistant varieties tested in South Alabama. The high-yielding varieties in this group are Dixie-Triumph, Cook 307 (Rhyne), and Toole (Council). Each of these varieties has produced a staple below 7/8 of an inch one or more times during the last five years. D. P. L. 6 in six tests in Central Alabama has proved to be quite wilt resistant and has produced nearly as much lint cotton as Cook 307. The staple is slightly longer than one inch. This strain of D. P. L. cotton is not easily picked.

The results are set forth in detail in the table, and it is hoped that anyone interested in cotton varieties will carefully study the table. To interpret the staple length, one should remember that 28/32 is the same as 7/8 of an inch, and that 30/32 is the same as 15/16 of an inch.

The Alabama Experiment Station has no seed for sale. The Experiment Station cannot take responsibility for the kind of seed sold by anyone offering seed for sale. It cannot guarantee that the purchaser will be sold the same kind and character of seed that is tested by the Experiment Station for any grower or dealer. The attached list shows the sources from which seed were obtained for official tests herein reported. Doubtless, good seed may be had from other sources than those listed.

Summary Results of Yield and Staple Length of Cotton Varieties Tested in Alabama 1925-1929

Variety	North Ala. results Average 17 tests		Central Ala. results Average 11 tests		South Ala. results Average 19 tests	
	Pounds lint	Staple 1/32 in.	Pounds lint	Staple 1/32 in.	Pounds lint	Staple 1/32 in.
Cook 1627	385	29.6	440	29.2		
Cook 1010 (Williamson)	385	27.2	385	27.8		
D. P. L. 4-8	380	31.6	467(4)	31.7(4)		
Delfos	370	34.8	377	35.7		
Trice	363	32.3	398	31.6		
Bottoms	359	29.4	399	29.5		
Dixie-Triumph	355	29.8	431	28.9	399	28.4
Cleveland (Piedmont)	355	29.0	414	28.1		
Cook 588	354	28.8	432	28.5		
College No. 1	350	30.0	366	30.4		
Cleveland (Wannamaker)	344	28.7	410	28.4		
Acala No. 5	332	32.4	341	32.4		
Cook 307 (Bridges)	328	28.0	370	27.6	371	27.5
Mexican Big Boll	321	32.5	353	32.5		
Webber Delta Type	283	37.0	324	38.0		
Cook 307 (Rhyne)(1)	342(1)	28.8(1)	411	28.3	399	27.8
Cleveland (Coker)(1)	326(1)	32.8(1)				
Cook 1010 (Bains)(2)	318(2)	26.5(2)	317(3)	27.6(3)		
Rucker(3)	428(3)	25.0(3)	351(3)	27.5(3)		
Addison(3)	388(3)	27.0(3)	321(3)	27.0(3)		
Half & Half(3)	376(3)	24.7(3)	366(3)	27.2(3)		
Toole (Council)					395	28.1
Lewis 63					375	28.4
Toole (Petty)					362	28.3
Toole (Wilkinson)					350	28.3
Kelly Big Boll					346	28.5
Super 7					308	33.2
D. P. L. 6 (5)			459(5)	35.0(5)		

(1) 14 tests 1926-1929
(2) 7 tests 1928-1929
(3) 3 tests 1929
(4) D. P. L. 8 9 tests 1926-1929
(5) 6 tests 1927-1929

Sources From Which Seed Were Obtained for the Variety Tests at the Experiment Station, 1925-1929

Acala No. 5	Nunn Seed Farms, Porter, Oklahoma
Addison	W. P. Addison, Blackwells, Georgia
Bottoms	A. T. Bottoms, Athens, Alabama
Cook 307 (Bridges)	W. J. Bridges, Notasulga, Alabama
Cook 307 (Rhyne)	Rhyne Brothers, Benton, Alabama
Cook 588	R. E. Hudson, Auburn, Alabama
Cook 1010 (Williamson)	D. N. Williamson Estate, Cedar Bluff, Alabama
Cook 1010 (Bains)	A. S. Bains, Oneonta, Alabama
Cook 1627	McQueen Smith Farming Company, Prattville, Alabama
Cook 1627	D. N. Williamson Estate, Cedar Bluff, Alabama
College No. 1	Georgia State College of Agriculture, Athens, Georgia
Cleveland (Piedmont)	J. O. M. Smith, Commerce, Georgia
Cleveland (Wannamaker)	W. W. Wannamaker, St. Mathews, South Carolina
Cleveland (Coker)	Pedigreed Seed Company, Hartsville, South Carolina
D. P. L. 4-8	Delta Pine Land & Development Company, Scott, Mississippi
D. P. L. 6	Delta Pine Land & Development Company, Scott, Mississippi
Delfos	Delta Experiment Station, Stoneville, Mississippi
Dixie-Triumph	L. O. Watson Seed Company, Florence, South Carolina
Half and Half	B. F. Summerour, Norcross, Georgia
Kelly Big Boll	S. O. Kelly, Headland, Alabama
Lewis 63	Desoto Seed Farms, Americus, Georgia
Mexican Big Boll	North Carolina Experiment Station, Raleigh, N. Carolina
Rucker	R. E. Lamb, Altoona, Alabama
Super 7	Pedigreed Seed Company, Hartsville, South Carolina
Trice	Mississippi Expt. Station, A. & M. College, Mississippi
Toole (Council)	Desoto Seed Farms, Americus, Georgia
Toole (Petty)	H. A. Petty, Dawson, Georgia
Toole (Wilkinson)	C. F. Wilkinson, Headland, Alabama
Webber Delta Type	Pedigreed Seed Company, Hartsville, South Carolina