

NON-CIRCULATING

Cotton



**1982 Missouri
Crop Performance**

Special Report 294

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MISSOURI CROP PERFORMANCE

COTTON

1982

This report is a contribution of the Department of Agronomy, University of Missouri Agricultural Experiment Station, which reports on Research Project 363. The work was supported in part by funds from the Missouri Seed Improvement Association and fees from the companies submitting varieties for evaluation.

Cotton variety tests became part of the University of Missouri's crop performance testing program in 1978. These tests are conducted to provide a reliable, unbiased, up-to-date source of information to compare varieties.

COMPARING VARIETIES

In each trial, the "top yielding varieties" have been identified. These varieties are those that did not yield significantly less than the highest yielding variety in the test. They are denoted in the tables by an asterisk (*) next to their yields. Thus, by going down a column, the highest yielding varieties in a trial can be readily identified. By going across, the relative performance of a variety during several years or at several locations can be evaluated. From the standpoint of yield, the most desirable varieties will be those among the "top yielding" varieties (that is, have an asterisk) the greatest number of times.

Although yield usually receives first consideration, other agronomic characteristics may be equally important when selecting a cotton variety. For southeastern Missouri, maturity, seedling vigor, and reaction to diseases are among the additional characteristics that deserve careful consideration. Late maturing varieties can be injured by early fall frost, particularly when planting is delayed. High seed viability and good seedling vigor help insure uniform and adequate stands under occasionally adverse conditions. Several prevalent diseases can markedly reduce final yield of susceptible varieties. Thus, all the information presented in this report should be considered when selecting a variety.

The Missouri Agricultural Experiment Station does not make specific recommendations for varieties. It is suggested that the farmers growing a new variety for the first time consider the information contained in this report and then grow a small acreage to determine adaptability. This should be the practice for all new varieties regardless of origin.

EXPERIMENTAL PROCEDURES

Three locations were selected to represent the soil diversity in the cotton growing area of southeastern Missouri. These locations were the University of Missouri's Rhodes Farm near Clarkton (sandy soil), the Delta Research Center near Portageville (clay soil), and the David Andrews farm near Senath (loam soil). The Clarkton test was on a site infested with Fusarium wilt and root knot nematode. Locations of the sites are shown on Figure 1.

Entries. All producers of cotton seed were eligible to enter varieties in the 1982 evaluation plots. Participation was voluntary and no control was exercised by the program over which or how many varieties were entered. However, to help finance the evaluation program, a fee of sixty dollars per location was charged for each entry entered by the seed producer. A total of 14 cotton varieties were compared in 1982.

Field Plot Design. Individual entries were planted in four-row plots with four replications. Arrangement of plots within the field followed a randomized block design. Each plot had a row length of 40 feet and a between-row spacing of 38 inches. The two center rows were used for all yield and quality information.

Plot Management. The tests were planted and harvested with commercial equipment modified for small plot work. Details of the management practices followed at each location are given in Table 1 and rainfall and temperature in Table 2, Page 6.

Data Recorded. Seedling vigor notes were taken soon after emergence to give a relative indication of survival capabilities of the young plants. Seedling vigor was rated on a scale of 1 to 5 with 1 indicative of high vigor and 5 indicative of low vigor. The total number of plants in the center two rows of each plot were counted and converted to number of plants per acre. At maturity, height, lodging, and yield were measured. Height was taken as the average distance in inches from the soil surface to the top of the plant. Lodging, which gives the degree of erectness, was scored on a scale of 1 to 5 with 1 indicating that all plants were erect (no lodging) and 5 indicating that 80 percent, or more, of the plants were lodged. Yield was measured in total pounds of lint per acre. This value was calculated by multiplying the gin percentage (lint percentage) by the total seed cotton yield. Fiber quality characteristics were determined for each variety utilizing lint cotton samples from two replications at each test location. These characteristics and their importance are described below. Their values were determined at Starlab, Inc., Knoxville, Tennessee.

- A. Micronaire: The micronaire test provides a combined measure of maturity and fineness of cotton fibers. Fiber maturity is a relative measure of the cell-wall development throughout the entire length of the cotton fiber. Immature fibers result in decreased rates of processing, dyeing problems, and the production of yarns and fabrics with low appearance grade. Fineness is a relative measure of either the diameter of individual cotton fibers or the weight per unit length. Fine cottons produce stronger yarns but require reduced rate of processing.

In the test, air is passed through a compressed sample of cotton fiber. The rate of flow through the sample follows a relationship between diameter or thickness of the textile fibers and the air resistance they provide. Finer fibers result in greater resistance and, therefore, a lesser air flow. Value recorded can be interpreted as follows:

4.9 and above	= coarse fibers
3.5 to 4.8	= premium range
3.4 and below	= fine and often immature

- B. Length: Long-fibered cottons are desirable because fiber length relates positively to yarn strength, spinning of finer yarns, and high speed processing. The 2.5 percent span length measures the length in inches spanned by 2.5 percent of the fibers. The 50 percent span length is another measurement of fiber quality. This measures the length in inches spanned by 50 percent of the fiber.
- C. Elongation: Cottons having high fiber elongation values have less end breakage during the weaving process than those with low values. The elongation figure is expressed in percent elongation at the

breaking point. The following designations will aid in the interpretation of the elongation values.

Descriptive Designation	Fiber Elongation
	--Percent--
Very low	5.3 and below
Low	5.4 - 6.2
Average	6.3 - 7.1
High	7.2 - 8.0
Very high	8.1 and above

D. Strength: Yarn strength and ease of manufacturing are correlated positively with strong-fibered cottons. The following chart categorizes strength readings and aids in the interpretation of strength values.

Strength Rating	Fiber Elongation
	-grams/tex-
Very high	above 24.9
High	23.0 - 24.9
Average	21.0 - 22.9
Low	19.0 - 20.9
Very low	Below 19.0

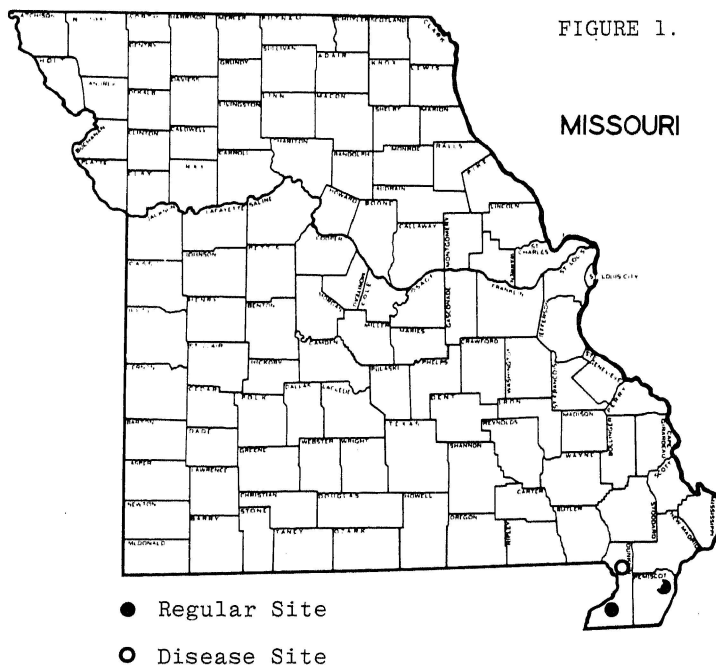


TABLE 1. CULTURAL PRACTICES OF THE 1982 COTTON TRIALS.

LOCATION (COUNTY)	COOP- ERATOR	N-P205-K20	HERBICIDE	INSECT- ICIDE	DATE OF PLANT.	DATE OF HARVEST
CLARKTON (DUNKLIN)	JOE SCOTT*	18-18-36	TREFLAN	TERRA- CHLOR S-X	5-10	10-11
SENATH (DUNKLIN)	DAVID ANDREWS	50-00-75	ZORIAL + COTORAN	TERRA- CHLOR S-X	5-05	10-14
PORTAGE- VILLE (PEMISCOT)	JOE SCOTT*	78-18-36	TREFLAN + COTORAN	TERRA- CHLOR S-X	5-06	11-03

* EXPERIMENT STATION MANAGER.

TABLE 2. RAINFALL AND TEMPERATURE DURING 1982.

LOCATION	MONTH	RAINFALL			TEMPERATURE		
		INCHES	DEPART. FROM NORMAL	RAINY DAYS	* F	DEPART. FROM NORMAL	90° OR ABOVE
PORTAGEVILLE	APRIL	4.3	-0.4	8	55.1	--	0
	MAY	3.2	-1.3	8	71.9	+2.3	2
	JUNE	5.6	+1.9	7	74.1	-3.2	5
	JULY	1.9	-1.5	2	80.8	+0.1	22
	AUGUST	2.7	-0.1	6	76.9	-2.1	9
	SEPT.	2.6	--	7	69.9	--	5
CLARKTON*	APRIL	3.1	--	7	55.5	--	0
	MAY	3.3	--	4	72.9	--	5
	JUNE	3.6	--	6	74.8	--	8
	JULY	2.7	--	3	81.6	--	23
	AUGUST	3.1	--	5	78.1	--	13
	SEPT.	1.1	--	4	71.0	--	6
SENATH*	APRIL	4.9	--	9	55.6	--	0
	MAY	3.7	--	8	72.1	--	5
	JUNE	3.4	--	5	74.3	--	6
	JULY	2.8	--	4	82.2	--	29
	AUGUST	2.0	--	5	78.0	--	17
	SEPT.	3.0	--	5	70.6	--	5

-- DATA NOT AVAILABLE.

* CLARKTON (MALDEN DATA), SENATH (KENNETT DATA).

RESULTS

Fourteen cotton varieties were evaluated at 3 locations in southeastern Missouri during 1982. Names and addresses for the companies and the names of other entries are given in Table 12, Page 16.

Average yields (Table 10) for the three test locations ranged from 575 pounds of cotton at Clarkton to 843 pounds of cotton per acre at Senath. Overall mean yield for all locations was 690 pounds per acre.

Data on fiber characteristics are summarized in Tables 5 (Clarkton), 7 (Portageville), 9 (Senath), and 11 (Location Summary).

CLARKTON. The trial at this location was grown on a sandy soil with a high degree of Fusarium wilt and root-knot nematode. Irrigation was used, but it relieved little of the root-knot nematode or Fusarium wilt pressure. No significant differences among cultivars were found during 1982.

PORTAGEVILLE. This trial was grown on a sharkey clay soil, representative of the large majority of clay soils in southeast Missouri. Favorable climatic conditions resulted in higher yields than achieved in 1980 and 1981.

SENATH. The soil at this location is a deep loam soil. Yields were above average for the location but were below those expected because of early season hail damage.

Table 3. 1982 Cotton Summary

Location	Yield (Pounds/Acre)		Data Table
	Range	Average	
Clarkton	519-640	575	4
Portageville	470-834	651	6
Senath	748-1031	843	8

TABLE 4. YIELD PERFORMANCE OF COTTON VARIETIES GROWN NEAR CLARKTON, MISSOURI
IN 1980-82.

PLANTED: 10 MAY, 1982. HARVESTED: 11 OCTOBER, 1982.

BRAND/VARIETY	STAND (PL/A)	LOD- GING (1-5)	VIGOR (1-5)	HGT. (IN)	LINT (%)	TOTAL LINT (LBS/ACRE)		
						1982	1981	1980
COKER 310	45500	1.8	1.0	26	37.0	640**	185*	658*
DELTAPINE 90	45273	1.5	1.0	26	37.0	628*	--	--
MO 77-11	49438	2.8	1.0	24	38.5	613*	--	--
MO 79-390	39569	2.8	1.0	25	38.0	612*	--	--
STONEVILLE 213#	48261	2.0	1.0	25	37.0	604*	167	605
DELCOT 311	46179	2.5	1.0	25	36.5	599*	264**	723*
COKER 3131	45409	1.8	1.3	23	38.0	566*	214*	655*
COKER 304	44458	2.0	1.0	25	36.5	565*	160	639*
COKER 208	45454	1.0	1.0	25	37.0	563*	--	--
COKER 315	41108	1.8	1.5	25	39.0	559*	185*	576
DELTAPINE NSL	46450	2.8	1.3	25	37.5	537*	--	--
DELTAPINE 41	46179	2.0	1.0	24	37.0	531*	127	725*
STONEVILLE 825#	45183	2.0	1.0	23	37.5	524*	108	--
QUALITY SEED 137	45183	1.5	1.0	25	35.0	514*	181*	704*
TRIAL MEAN	45260	2.0	1.1	25	37.3	575	159	653
LSD.05	NS	0.9	NS	NS	1.7	NS	84	161
C.V. %	10.8	33.1	22.2	7.3	3.1	19.5	36.8	17.3

-- DATA NOT AVAILABLE.

** HIGHEST YIELDING VARIETY IN THE TEST.

* VARIETY WHICH DID NOT YIELD SIGNIFICANTLY LESS THAN THE HIGHEST YIELDING VARIETY IN THE TEST.

NS NOT SIGNIFICANT AT THE 5% LEVEL.

WIDELY GROWN VARIETY.

TABLE 5. FIBER CHARACTERISTICS OF COTTON VARIETIES GROWN NEAR CLARKTON, MO.
IN 1982.

PLANTED: 10 MAY, 1982. HARVESTED: 11 OCTOBER, 1982.

BRAND/VARIETY	MICRO- NAIRE	STAPLE LENGTH		ELONGATION	STRENGTH
		(50%)	(2.5%)	(%)	(G/TEX)
COKER 208	4.30	0.54	1.14	7.00	20.7
COKER 304	4.30	0.55	1.18	7.25	23.1
COKER 310	4.20	0.57	1.22	7.50	22.3
COKER 3131	4.70	0.55	1.15	8.75	20.1
COKER 315	4.50	0.58	1.21	7.25	22.8
DELCOT 311	4.15	0.56	1.17	9.25	21.9
DELTAPINE NSL	4.50	0.54	1.13	8.75	19.8
DELTAPINE 41	4.45	0.52	1.14	7.50	23.0
DELTAPINE 90	4.45	0.54	1.15	8.25	23.9
MO 77-11	4.55	0.57	1.18	9.00	22.0
MO 79-390	4.65	0.53	1.14	8.00	22.3
QUALITY SEED 137	4.30	0.55	1.15	8.00	21.0
STONEVILLE 213#	4.70	0.54	1.13	8.75	20.1
STONEVILLE 825#	4.65	0.53	1.14	7.25	20.3
MEAN	4.46	0.55	1.16	8.05	21.6
LSD.05	NS	0.02	0.02	0.86	1.3
C.V. %	3.70	1.87	1.03	6.99	3.8

NS NOT SIGNIFICANT AT THE 5% LEVEL.

WIDELY GROWN VARIETY.

TABLE 6. YIELD PERFORMANCE OF COTTON VARIETIES GROWN ON THE DELTA RESEARCH CENTER NEAR PORTAGEVILLE, MO. IN 1982, 80, AND NEAR FRAILEY IN 1979. PLANTED: 6 MAY, 1982. HARVESTED: 3 NOVEMBER, 1982.

BRAND/VARIETY	STAND (PL/A)	LOD- GING (1-5)	VIGOR (1-5)	HGT. (IN)	LINT (%)	TOTAL LINT (LBS/ACRE)		
						1982	1980	1979
DELCOT 311	44232	2.0	1.3	39	36.0	834**	525*	--
MO 79-390	38935	2.0	1.0	39	36.0	802*	--	--
MO 77-11	47220	2.0	1.5	39	40.0	774*	--	--
DELTAPINE 41	43915	1.8	1.3	36	38.5	749*	485*	--
STONEVILLE 825#	43372	2.0	1.0	41	33.0	722*	--	--
STONEVILLE 213#	46450	1.3	1.0	38	35.0	683	503*	196
COKER 310	43507	1.0	1.0	41	34.5	658	548*	328
DELTAPINE 90	42693	1.3	1.5	39	36.0	649	--	--
COKER 3131	42738	1.3	1.5	37	37.0	605	561**	--
COKER 304	43009	1.0	1.0	41	34.0	559	521*	493*
DELTAPINE NSL	44096	1.8	1.8	40	37.0	551	--	--
QUALITY SEED 137	43915	1.0	1.3	41	34.8	535	476*	--
COKER 208	43779	1.0	1.0	44	36.5	528	--	--
COKER 315	38935	1.0	1.8	39	35.0	470	476*	352
TRIAL MEAN	43343	1.4	1.3	40	35.9	651	475	320
LSD.05	3893	0.4	0.5	NS	1.6	150	99	64
C.V. %	6.3	20.9	28.6	7.1	3.0	16.1	14.5	14.3

-- DATA NOT AVAILABLE.

** HIGHEST YIELDING VARIETY IN THE TEST.

* VARIETY WHICH DID NOT YIELD SIGNIFICANTLY LESS THAN THE HIGHEST YIELDING VARIETY IN THE TEST.

NS NOT SIGNIFICANT AT THE 5% LEVEL.

WIDELY GROWN VARIETY.

TABLE 7. FIBER CHARACTERISTICS OF COTTON VARIETIES GROWN NEAR PORTAGEVILLE, MO. IN 1982.

PLANTED: 6 MAY, 1982. HARVESTED: 3 NOVEMBER, 1982.

BRAND/VARIETY	MICRO- NAIRE	STAPLE LENGTH		ELONGATION	STRENGTH
		(50%)	(2.5%)	(%)	(G/TEX)
COKER 208	5.10	0.52	1.14	6.00	20.9
COKER 304	4.70	0.57	1.23	7.00	21.4
COKER 310	4.75	0.54	1.20	6.25	22.1
COKER 3131	4.85	0.55	1.17	7.25	19.5
COKER 315	4.85	0.56	1.23	6.75	22.5
DELCOT 311	4.65	0.57	1.16	8.75	22.2
DELTAPINE NSL	4.60	0.54	1.16	8.25	19.2
DELTAPINE 41	4.65	0.55	1.16	7.00	22.1
DELTAPINE 90	5.05	0.54	1.14	7.50	23.0
MO 77-11	5.20	0.55	1.16	7.50	21.9
MO 79-390	5.05	0.54	1.14	6.75	21.9
QUALITY SEED 137	4.65	0.53	1.17	6.75	20.6
STONEVILLE 213#	4.85	0.55	1.16	7.25	19.2
STONEVILLE 825#	5.00	0.53	1.15	6.00	20.0
MEAN	5.30	0.55	1.17	7.07	21.2
LSD.05	NS	NS	0.03	0.69	1.0
C.V. %	5.30	2.68	1.55	6.42	2.9

NS NOT SIGNIFICANT AT THE 5% LEVEL.

WIDELY GROWN VARIETY.

TABLE 8. YIELD PERFORMANCE OF COTTON VARIETIES GROWN NEAR SENATH, MISSOURI
IN 1980-82.

PLANTED: 5 MAY, 1982. HARVESTED: 14 OCTOBER, 1982.

BRAND/VARIETY	STAND (PL/A)	LOD- GING (1-5)	VIGOR (1-5)	HGT. (IN)	LINT (%)	TOTAL LINT (LBS/ACRE)		
						1982	1981	1980
COKER 310	41017	1.0	1.0	40	35.5	1031**	577	633*
COKER 208	41063	1.0	1.0	41	34.5	942*	--	--
COKER 315	38663	1.3	1.3	45	36.5	915*	801**	617*
COKER 304	38527	1.5	1.0	46	34.0	896*	670	573*
STONEVILLE 213#	42783	2.3	1.5	45	35.5	880*	497	588*
DELTAPINE NSL	43643	2.5	1.0	45	35.5	866*	--	--
COKER 3131	41561	1.5	1.3	41	34.5	848*	532	512
QUALITY SEED 137	44322	1.8	1.0	46	33.0	807*	562	535
MO 77-11	44096	1.8	1.8	43	35.5	805*	--	--
DELTAPINE 90	40791	1.8	1.3	49	34.0	797*	--	--
STONEVILLE 825#	42874	2.0	1.0	42	34.5	794*	478	--
DELCOT 311	43100	2.3	1.0	45	35.5	793*	630	548*
DELTAPINE 41	44096	1.3	1.5	40	37.5	748*	477	678*
MO 79-390	39931	1.3	1.0	39	36.5	681*	--	--
TRIAL MEAN	41891	1.6	1.2	43	35.2	843	572	552
LSD.05	3090	0.7	0.5	NS	1.2	NS	NS	143
C.V. %	5.2	29.7	29.3	9.8	2.4	16.0	29.0	18.4

-- DATA NOT AVAILABLE.

** HIGHEST YIELDING VARIETY IN THE TEST.

* VARIETY WHICH DID NOT YIELD SIGNIFICANTLY LESS THAN THE HIGHEST YIELDING VARIETY IN THE TEST.

NS NOT SIGNIFICANT AT THE 5% LEVEL.

WIDELY GROWN VARIETY.

TABLE 9. FIBER CHARACTERISTICS OF COTTON VARIETIES GROWN NEAR SENATH, MISSOURI
 IN 1982.
 PLANTED: 5 MAY, 1982. HARVESTED: 14 OCTOBER, 1982.

BRAND/VARIETY	MICRO- NAIRE	STAPLE LENGTH		ELONGATION	STRENGTH
		(50%)	(2.5%)	(%)	(G/TEX)
COKER 208	4.15	0.51	1.10	6.25	19.9
COKER 304	4.00	0.54	1.17	7.00	20.7
COKER 310	3.65	0.54	1.19	7.00	21.7
COKER 3131	3.60	0.52	1.13	7.75	19.6
COKER 315	4.10	0.54	1.17	6.75	21.2
DELCOT 311	3.55	0.55	1.13	8.25	20.6
DELTAPINE NSL	3.75	0.53	1.15	9.00	19.2
DELTAPINE 41	3.90	0.53	1.14	7.25	19.4
DELTAPINE 90	4.25	0.51	1.13	7.25	20.4
MO 77-11	4.45	0.54	1.15	8.25	21.7
MO 79-390	4.00	0.54	1.13	7.50	22.2
QUALITY SEED 137	3.75	0.51	1.11	7.75	18.6
STONEVILLE 213#	4.35	0.53	1.13	8.75	19.1
STONEVILLE 825#	3.95	0.51	1.13	7.25	19.4
MEAN	3.96	0.53	1.14	7.57	20.3
LSD.05	NS	0.01	NS	0.70	0.8
C.V. %	7.02	1.71	2.20	6.04	2.6

NS NOT SIGNIFICANT AT THE 5% LEVEL.

WIDELY GROWN VARIETY.

TABLE 10. YIELD PERFORMANCE OF COTTON VARIETIES GROWN AT 3 SOUTHEAST MISSOURI LOCATIONS (CLARKTON, PORTAGEVILLE, AND SENATH) IN 1982.

1982 -- 3 LOCATION AVERAGE									
BRAND/VARIETY	STAND (PL/A)	LOD-	VIGOR (1-5)	HT. (IN)	LINT (%)	TOTAL LINT (LBS/ACRE)			MEAN
		GING (1-5)				CLARK	PORT	SENTH	
COKER 310	43341	1.3	1.0	36	35.7	640**	658	1031**	776**
DELCOT 311	44504	2.3	1.1	36	36.0	599*	834**	793*	742*
MO 77-11	46918	2.2	1.4	36	38.0	613*	774*	805*	731*
STONEVILLE 213#	45831	1.9	1.2	36	35.8	604*	683	880*	722*
MO 79-390	39478	2.0	1.0	35	36.8	612*	802*	681*	698*
DELTAPINE 90	42919	1.5	1.3	38	35.7	628*	649*	797*	691*
STONEVILLE 825#	43810	2.0	1.0	35	35.0	524*	722*	794*	680*
COKER 208	43432	1.0	1.0	37	36.0	563*	528	942*	678*
DELTAPINE 41	44730	1.7	1.3	33	37.7	531*	749*	748*	676*
COKER 304	41998	1.5	1.0	37	34.8	565*	559	896*	673*
COKER 3131	43236	1.5	1.4	34	36.5	566*	605	848*	673*
DELTAPINE NSL	44730	2.4	1.4	37	36.7	537*	551	866*	651*
COKER 315	39569	1.4	1.5	37	36.8	559*	470	915*	648*
QUALITY SEED 137	44473	1.4	1.1	37	34.3	514*	535	807*	619*
MEAN	43498	1.7	1.2	35	36.1	575	651	843	690
LSD.05	2807	0.4	0.3	2.5	0.8	NS	150	NS	NS
C.V. %	8.0	29.8	27.3	8.7	2.9	19.5	16.1	16.0	17.1

** HIGHEST YIELDING VARIETY IN THE TEST.

* VARIETY WHICH DID NOT YIELD SIGNIFICANTLY LESS THAN THE HIGHEST YIELDING VARIETY IN THE TEST.

NS NOT SIGNIFICANT AT THE 5% LEVEL.

WIDELY GROWN VARIETY.

TABLE 11. SUMMARY PERFORMANCE OF COTTON VARIETIES GROWN AT THREE MISSOURI LOCATIONS (CLARKTON, PORTAGEVILLE, AND SENATH) IN 1982.

BRAND/VARIETY	THREE LOCATION AVERAGE				
	MICRO- NAIRE	STAPLE LENGTH		ELONGATION	STRENGTH
		(50%)	(2.5%)	(%)	(G/TEX)
COKER 208	4.52	0.53	1.13	6.42	20.5
COKER 304	4.33	0.55	1.19	7.08	21.8
COKER 310	4.20	0.55	1.20	6.92	22.0
COKER 3131	4.38	0.54	1.15	7.92	19.7
COKER 315	4.48	0.56	1.21	6.92	22.2
DELCOT 311	4.12	0.56	1.15	8.75	21.6
DELTAPINE NSL	4.28	0.54	1.15	8.67	19.4
DELTAPINE 41	4.33	0.54	1.15	7.25	21.5
DELTAPINE 90	4.58	0.53	1.14	7.67	22.5
MO 77-11	4.73	0.56	1.17	8.25	21.9
MO 79-390	4.57	0.54	1.14	7.42	22.2
QUALITY SEED 137	4.23	0.53	1.15	7.50	20.1
STONEVILLE 213#	4.63	0.54	1.14	8.25	19.5
STONEVILLE 825#	4.53	0.53	1.14	6.83	19.9
MEAN	4.43	0.54	1.16	7.57	21.0
LSD.05	0.28	0.01	0.02	0.58	0.8
C.V. %	5.39	2.14	1.65	6.53	3.2

WIDELY GROWN VARIETY.

TABLE 12. NAME OF COTTON ENTRIES EVALUATED IN 1982 AND SEED SOURCE.

BRAND	VARIETY	SEED SOURCE
COKER	304, 310, 315, 3131, 208	COKER'S PEDIGREED SEED CO., BOX 340, HARTSVILLE, SC 29550
DELTAPINE	41, NSL, 90	DELTA & PINE LAND COMPANY, SCOTT, MS 38772
HURDT	580	HURDT SEED COMPANY, BOX 16343, LUBBOCK, TX 79490
QUALITY SEED	QS 137	QUALITY SEED CO., INC., 2600 NONCONNAH BLVD., SUITE 156, MEMPHIS, TN 38132
	DELCOT 311, MO 77-11, MO 79-390	ENTERED BY STATE RESEARCH STAT- IONS AND CENTERS