

## Cotton Cultivar Tests for 2005 in Central and South Texas

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Cotton cultivar tests (CVT) are conducted each year by the Texas Agricultural Experiment Station to determine the relative performance of cultivars (varieties) available to producers in Texas. These tests are conducted statewide to evaluate commercial cultivars in every cotton growing region. Since Texas is a large state with diverse climates and growing seasons, the CVT results are reported separately for Central and South Texas, the Rolling and High Plains, and Far West Texas. This report concentrates on the cotton production regions of Central and South Texas.

Yield and other characteristics were analyzed as randomized complete blocks. Least significant differences (LSD) are used to determine if two cultivars are different at  $k=100$ , which approximates the 5% probability level. Values reported for any two cultivars that differ by more than the LSD value are expected to be different in 95 of every 100 comparisons. The test average (mean) and the coefficient of variation (CV) also are reported for each characteristic measured at each location. The coefficient of variation is a measure of the uniformity of the test site (e.g. soil uniformity, drainage, disease, etc.). Lower coefficients of variation are desirable.

### Agronomic Determinations

**Lint yield:** Lint yield per acre is determined as follows: (lbs. seedcotton/plot) x (appropriate gin turnout) x (area conversion factor).

**Gin turnout:** Amount of lint in a random sample of machine harvested seedcotton expressed as a percent of seed cotton in the sample.

### Fiber Quality Determinations

Fiber quality parameters were determined by high volume instrument (HVI) testing at the Texas Tech University International Textile Research Center at Lubbock, TX.

**Fiber Fineness:** Fiber fineness, micronaire, is a measure of the maturity and/or the fineness of cotton fibers and is reported in micronaire units. Micronaire is a relative measure of the development, or maturity, of the secondary wall of the cotton fiber throughout its entire length. Processing rates, fabric dyeing, and yarn and fabric appearance are adversely affected by immature fibers. Fine fibers, although mature, weigh less per unit length and may require reduced processing speeds compared to thicker fibers, yet these finer fibers may produce stronger yarns. Thick or coarse fibers result in fewer fibers in a cross section of yarn, and therefore, may produce weaker yarns.

Fiber fineness is determined by forcing air through a specified weight of lint. The rate of air flow is related to fiber thickness. Finer fibers result in more fibers per specified weight and, therefore, have greater resistance to air flow. Micronaire values of 3.4 or below indicate fine and perhaps immature fibers, and values of 5.0 or higher

indicate coarse fibers. Values of 3.5 to 4.9 are desirable and indicate mature, well-developed fibers.

**Fiber Length:** Fiber length is reported in hundredths of an inch as measured by High Volumn instrument and is the average of the longest 50 percent of the fibers in the sample, usually referred to as the upper half mean (UHM). Long fibers are desirable because they produce greater yarn strength, aid in spinning finer yarns, and can be processed at higher speeds.

HVI fiber lengths (in.)  
and descriptive designation

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Below 0.97	Short
0.97 - 1.10	Medium
1.11 -1.28	Long
Above 1.28	Extra long

**Fiber Uniformity:** Fiber uniformity index (UI) provides a relative measure of the length uniformity of cotton fibers. Uniformity is calculated as the ratio of the average length of all fibers to the average length of the longest 50 percent of the fibers in the sample. High uniformity values indicate uniform fiber length distribution and are associated with a high-quality product and with low manufacturing waste.

Uniformity ratios  
and descriptive designation

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Below 77	Very low
77-79	Low
80-82	Average
83-85	High
Above 85	Very high

**Fiber Strength:** Yarn strength and ease of processing are positively correlated with strong fibers. Strength values are reported in grams of force required to break a bundle of cotton fibers with the holding jaws separated by 1/8 inch. The size of the bundle of fibers is described in tex units. Fiber strength is described from very low to very high within UHM classifications.

HVI

Fiber length

1/8-inch gauge  
strength  
(grams/tex)

group and  
descriptive  
designation

Short

(0.96 inch or less)

18-19	Very low
<del>20-21</del>	<del>Low</del>
22-23	Average
24-25	High
26-27	Very high

Medium

(0.97-1.10 inch)

17-19	Very low
20-22	Low
23-25	Average
26-28	High
29-31	Very high

Long

(1.11-1.28 inch)

18-20	Very low
21-23	Low
24-26	Average
27-29	High
30-32	Very high

**Fiber Elongation:** Elongation is the degree of extension of the fibers before break occurs when measuring strength. Fiber bundle elongation is correlated with yarn elongation but has an insignificant effect on yarn strength. Its value and importance in yarn manufacture has not been fully established.

Fiber elongation  
and descriptive designation

4.9 and below	Very low
5.0-5.8	Low
5.9-6.7	Average
6.8-7.6	High
7.7 and above	Very high

**Table 1. Agronomic performance and fiber quality of cotton cultivars evaluated at Weslaco during 2005. (Irrigated)**

Cultivar	Lint Yield (lb/ac)	Gin Turnout (%)	Micro- naire (units)	Length (in)	Strength (g/tex)	UI (ratio)	Elong- ation (%)
Deltapine 424 BGII/RR	1519	35.6	4.4	1.10	27.1	83	5.1
Deltapine 434 RR	1483	39.4	4.0	1.17	27.1	83	5.1
Deltapine 455 BG/RR	1465	38.1	4.0	1.12	28.9	81	4.0
TAM 99 WJ-9	1460	35.1	4.1	1.18	29.8	84	3.5
Deltapine 432 RR	1453	37.8	4.5	1.13	28.2	83	5.3
Deltapine 454 BG/RR	1397	41.3	3.9	1.11	28.4	83	4.2
Stoneville 4892 BR	1384	37.8	4.5	1.10	28.6	83	4.3
Deltapine 555 BG/RR	1380	38.9	4.0	1.09	28.7	81	3.9
FiberMax 832LL	1365	36.5	3.7	1.19	30.6	85	3.9
PhytoGen 470 WR	1340	36.8	4.4	1.10	29.0	84	5.7
Tamcot 22	1322	38.0	3.7	1.13	26.6	83	5.1
PhytoGen 440 W	1320	36.0	4.3	1.11	28.4	84	5.5
Deltapine 494 RR	1317	39.0	4.1	1.15	30.3	83	4.3
FiberMax 991 BR	1315	34.6	4.6	1.14	31.4	83	4.1
FiberMax 960 BR	1299	36.1	4.1	1.10	31.4	84	3.5
Stoneville 4575BR	1286	37.0	3.9	1.09	28.3	83	6.0
PhytoGen 480 WR	1283	36.0	4.4	1.14	29.5	84	5.9
Deltapine 491	1281	38.4	4.1	1.12	29.1	82	3.6
TAM 00 WA-104	1276	35.8	3.9	1.15	30.5	83	4.6
PhytoGen 310 R	1276	37.6	4.3	1.08	28.5	82	4.9
FiberMax 991 B2R	1270	34.4	3.9	1.16	31.0	83	3.8
Deltapine 445 BG/RR	1256	37.7	4.1	1.12	29.6	84	5.6

FiberMax 800 BR	1253	34.5	4.0	1.23	31.7	85	4.6
FiberMax 991 RR	1253	35.8	4.4	1.12	30.8	82	4.0
TAM 00 W-71	1247	35.0	4.4	1.12	29.0	83	4.2
Deltapine 488 BG/RR	1241	34.9	3.9	1.11	29.1	83	4.1
Deltapine 444 BG/RR	1232	37.9	4.0	1.07	26.7	82	4.6
FiberMax 960 B2R	1227	36.6	4.2	1.17	30.9	83	3.3
Stoneville 4686R	1223	38.8	4.2	1.10	29.7	83	6.4
TAM 00 V-57	1221	35.2	4.0	1.14	29.6	83	4.7
FiberMax 966 LL	1214	36.3	4.0	1.10	31.3	83	3.2
TAM 00 WA-103	1206	33.6	4.3	1.10	29.6	83	5.1
FiberMax 800 RR	1205	37.3	4.4	1.15	33.1	85	4.8
Deltapine 543 BGII/RR	1204	35.0	4.3	1.12	29.0	81	3.8
FiberMax 960 RR	1199	37.3	3.9	1.15	33.0	84	3.8
PhytoGen 410 R	1194	37.9	4.7	1.09	28.1	85	5.8
TAM 00 S-36	1178	36.0	4.3	1.16	31.3	84	4.9
PhytoGen 72 Acala	1176	37.7	4.2	1.19	33.4	84	5.5
TAM 00 WC-116	1161	35.7	4.3	1.18	29.2	83	4.7
TAM 00 U-82	1131	34.6	4.3	1.24	32.0	84	4.8
TAM 99 F-87	1131	36.2	3.9	1.17	29.0	83	4.6
Stoneville 5242BR	1128	36.5	4.1	1.10	26.3	84	4.4
TAM 99 F-84	1109	35.1	3.8	1.16	28.7	81	3.5
PM 2167RR	1101	37.5	4.9	0.98	26.6	82	4.3
FiberMax 800 B2R	1100	35.1	3.7	1.20	32.0	83	4.4
Stoneville 5599 BR	1086	38.6	4.0	1.12	30.0	82	4.1
Stoneville NG 3969 R	996	33.4	3.8	1.12	29.6	83	5.4
TAM 00 WD-3	994	33.3	3.9	1.23	30.1	83	4.1
LSD (k=100) <sup>1</sup>	183	3.4	0.5	0.06	1.8	2	0.6
%CV	9	4.0	5.3	2.50	3.1	1	6.8
Mean	1254	36.5	4.1	1.10	29.6	83	4.5

1. Values within columns are different at approximately  $p=0.05$  ( $k=100$ ) if they differ by more than the LSD at the base of the column.

**Table 2. Agronomic performance and fiber quality of cotton cultivars evaluated at Corpus Christi during 2005. (Dryland)**

Cultivar	Lint Yield (lb/ac)	Gin Turnout (%)	Micro-naire (units)	Length (in)	Strength (g/tex)	UI (ratio)	Elongation (%)
TAM 00 WA-104	765	39.1	4.6	1.06	29.0	82	4.5
FiberMax 960 RR	683	40.4	4.7	1.02	28.1	80	3.1
PhytoGen 440 W	676	39.4	4.6	1.05	30.1	82	5.8
TAM 00 WA-103	670	39.0	5.0	1.00	28.5	80	4.5
Deltapine 454 BG/RR	642	43.3	4.3	0.99	26.9	81	4.2

FiberMax 960 BR	631	40.2	4.8	1.00	28.6	80	3.0
PhytoGen 470 WR	626	39.4	4.8	1.02	28.1	83	6.0
TAM 99 F-87	604	39.4	4.6	1.06	28.7	82	4.6
TAM 00 S-36	600	38.0	5.1	1.06	29.9	82	4.4
Deltapine 494 RR	595	41.0	4.8	1.06	29.5	82	4.0
TAM 99 WJ-9	581	37.8	5.0	1.05	27.9	82	3.2
TAM 00 WC-116	576	37.2	4.5	1.11	28.3	81	4.1
Stoneville 5242BR	575	40.3	4.8	1.03	27.2	82	4.3
FiberMax 958 LL	571	38.2	4.6	1.11	29.4	82	2.8
PhytoGen 480 WR	569	38.9	5.0	1.05	28.7	82	6.0
Stoneville 5599 BR	560	41.9	5.1	1.00	27.2	80	3.4
TAM 00 V-57	560	38.3	4.8	1.05	28.0	82	4.6
Deltapine 455 BG/RR	548	41.1	4.6	1.03	28.8	82	3.7
FiberMax 966 LL	539	38.5	4.9	1.04	31.1	82	2.7
Deltapine 555 BG/RR	538	42.8	4.8	1.02	28.5	80	3.4
TAM 99 F-84	534	38.4	4.3	1.08	27.4	80	3.9
Deltapine 491	533	41.0	4.7	1.08	29.5	81	3.6
Americot 4207	521	37.4	4.8	1.00	28.1	81	4.3
Deltapine 444 BG/RR	517	40.1	4.5	1.01	27.4	81	4.1
TAM 00 W-71	511	38.9	4.9	1.04	28.0	81	4.1
Deltapine 445 BG/RR	511	39.3	4.4	1.04	29.2	82	5.3
Stoneville 4575BR	506	40.4	4.9	0.99	28.7	82	6.0
Deltapine 543 BGII/RR	504	40.1	4.8	1.04	28.6	81	3.2
TAM 00 U-82	501	36.7	4.6	1.08	31.3	80	4.1
PhytoGen 310 R	489	41.0	4.8	0.99	28.6	81	4.8
FiberMax 800 BR	482	38.3	4.6	1.11	30.2	83	3.7
PM 2167RR	481	38.5	5.0	0.95	27.4	81	4.3
Deltapine 434 RR	466	42.1	4.7	1.05	26.7	81	4.7
Stoneville NG 3969R	461	36.3	4.3	1.06	29.4	81	5.1
Americot 8120	456	37.4	4.7	1.05	26.8	81	4.6
Americot 262 R	454	39.6	4.8	1.01	28.2	82	4.9
TAM 00 WD-3	451	35.0	4.4	1.17	30.3	82	3.8
Stoneville 4686R	444	39.8	4.7	1.03	29.0	81	6.0
Stoneville 4892 BR	438	40.1	5.1	1.01	27.5	82	4.3
PhytoGen 72 Acala	435	37.9	4.6	1.07	31.9	81	4.8
Tamcot 22	432	40.8	4.4	1.03	27.6	80	4.8
Deltapine 488 BG/RR	421	40.7	4.7	1.06	29.3	82	4.3
Deltapine 432 RR	418	37.9	4.8	1.03	29.3	82	5.3
FiberMax 960 B2R	400	38.1	4.7	1.09	30.0	81	2.9
FiberMax 832	399	37.6	4.6	1.13	30.5	81	3.8
FiberMax 800 B2R	378	40.3	4.5	1.16	31.0	83	3.9

FiberMax 832LL	361	37.8	4.6	1.09	30.6	81	3.4
FiberMax 800 RR	359	39.6	4.7	1.08	31.6	83	3.8
LSD (k=100) <sup>1</sup>	188	2.1	0.4	0.04	1.9	2	0.4
%CV	22	2.6	3.9	2.20	3.2	1	5.3
Mean	521	39.3	4.7	1.05	28.9	81	4.2

1. Values within columns are different at approximately  $p=0.05$  ( $k=100$ ) if they differ by more than the LSD at the base of the column.

Note: Corpus Christi had hail damage early in the season.

**Table 3. Agronomic performance and fiber quality of cotton cultivars evaluated at San Patricio County during 2005. (Irrigated)**

Cultivar	Lint Yield (lb/ac)	Gin Turnout (%)	Micro-naire (units)	Length (in)	Strength (g/tex)	UI (ratio)	Elongation (%)
Deltapine 555 BG/RR	1506	40.7	4.9	1.08	27.6	81	3.3
Stoneville 4575BR	1463	41.6	4.8	1.11	29.6	84	7.0
FiberMax 960 BR	1451	36.9	4.9	1.09	31.3	82	3.3
Deltapine 454 BG/RR	1450	41.6	4.5	1.06	29.2	82	3.6
Deltapine 455 BG/RR	1433	42.4	4.0	1.06	27.6	81	4.2
Stoneville 5599 BR	1421	40.4	5.0	1.08	28.2	81	3.9
Stoneville 4892 BR	1395	40.5	4.7	1.07	28.0	82	4.1
TAM 00 WA-104	1369	38.5	4.6	1.12	31.1	84	4.6
FiberMax 800 B2R	1356	39.0	4.2	1.18	32.4	83	4.3
Deltapine 488 BG/RR	1345	37.4	4.7	1.13	29.4	83	4.5
FiberMax 800 RR	1314	39.6	4.7	1.13	33.5	85	4.5
Stoneville 4686R	1312	41.1	4.8	1.09	29.9	83	6.0
Stoneville 5242BR	1285	38.1	4.7	1.08	28.0	83	4.5
Deltapine 543 BGII/RR	1284	39.9	4.9	1.09	28.2	81	3.2
Deltapine 494 RR	1276	40.9	4.9	1.12	30.9	83	4.4
PhytoGen 310 R	1268	39.9	4.9	1.08	29.1	84	5.0
FiberMax 989 B2R	1246	37.2	4.1	1.14	30.5	82	3.5
FiberMax 832	1242	37.9	4.6	1.15	31.4	82	3.5
TAM 00 U-82	1229	35.5	4.6	1.23	33.1	84	4.6
FiberMax 832LL	1209	37.6	4.4	1.16	31.5	83	3.5
TAM 00 W-71	1198	37.9	4.5	1.16	29.8	83	4.7
PhytoGen 480 WR	1198	37.6	4.6	1.14	30.5	85	6.2
Deltapine 432 RR	1185	40.5	4.8	1.08	29.2	83	5.5
Deltapine 491	1180	41.1	4.6	1.18	32.6	83	4.0
PhytoGen 440 W	1173	36.8	4.6	1.12	30.1	83	5.9
TAM 99 F-87	1170	38.8	4.4	1.17	31.2	82	4.7
PhytoGen 470 WR	1161	38.5	4.6	1.10	30.7	85	6.4
FiberMax 960 B2R	1145	38.0	4.6	1.14	31.5	83	3.0

FiberMax 989 BR	1144	37.1	4.4	1.13	31.4	83	4.1
Deltapine 445 BG/RR	1099	35.4	4.4	1.10	29.4	83	5.3
TAM 99 WJ-9	1088	32.4	4.7	1.18	32.7	84	3.5
TAM 00 WA-103	1076	38.0	4.4	1.14	30.4	83	5.0
FiberMax 960 RR	1070	39.7	4.2	1.14	32.2	83	3.1
Tamcot 22	1064	39.4	4.2	1.15	29.1	84	5.1
Deltapine 434 RR	1043	35.1	4.5	1.13	28.9	82	4.7
Deltapine 444 BG/RR	1036	39.9	4.1	1.10	28.2	82	4.0
FiberMax 958 LL	991	38.7	4.5	1.18	32.9	84	3.9
FiberMax 800 BR	978	39.3	4.4	1.20	33.1	84	4.0
PM 2167RR	974	37.4	4.8	1.02	28.3	83	4.0
TAM 00 S-36	968	38.1	4.7	1.16	32.5	83	4.9
TAM 98 D-102	951	36.3	4.7	1.14	34.3	84	4.8
TAM 00 WD-3	934	34.3	4.1	1.26	33.0	84	3.9
TAM 00 WC-116	911	37.8	4.6	1.20	29.6	82	4.2
TAM 00 V-57	900	37.6	4.4	1.11	29.7	82	4.2
PhytoGen 72 Acala	881	38.1	4.7	1.22	34.8	84	4.7
TAM 99 F-84	654	37.4	4.3	1.16	29.1	81	3.8
LSD (k=100) <sup>1</sup>	376	4.9	0.5	0.05	3.3	2	0.6
%CV	17	5.0	4.6	2.20	4.9	1	7.1
Mean	1165	38.4	4.5	1.13	30.6	83	4.4

1. Values within columns are different at approximately  $p=0.05$  ( $k=100$ ) if they differ by more than the LSD at the base of the column.

**Table 4. Agronomic performance and fiber quality of cotton cultivars evaluated at San Patricio County during 2005. (dryland)**

Cultivar	Lint Yield (lb/ac)	Gin Turnout (%)	Micro-naire (units)	Length (in)	Strength (g/tex)	UI (ratio)	Elongation (%)
Deltapine 445 BG/RR	797	39.8	4.4	1.09	30.0	83	5.6
FiberMax 832LL	773	36.6	3.9	1.15	32.4	84	3.6
Deltapine 555 BG/RR	755	38.8	4.2	1.04	26.9	81	3.2
PhytoGen 470 WR	742	39.1	4.2	1.06	27.7	82	4.8
FiberMax 800 BR	738	36.8	3.9	1.12	31.7	83	3.6
Stoneville 5599 BR	720	36.3	4.0	1.05	27.7	81	3.7
PhytoGen 310 R	720	38.8	4.1	1.00	27.4	82	4.7
Deltapine 432 RR	719	38.4	4.7	1.06	28.5	82	5.3
Stoneville 5242BR	715	37.8	4.1	1.06	26.2	82	4.4
TAM 99 WJ-9	711	36.2	4.3	1.11	29.6	81	3.5
Deltapine 444 BG/RR	708	38.7	3.7	1.08	28.8	83	4.0

FiberMax 800 B2R	685	37.0	3.9	1.14	31.3	83	4.0
Deltapine 454 BG/RR	680	38.3	3.8	1.04	28.8	81	4.1
PhytoGen 440 W	676	37.0	4.1	1.09	28.2	83	5.4
TAM 00 V-57	670	39.4	4.0	1.14	31.6	82	4.4
Stoneville 4892 BR	668	37.6	4.0	1.05	26.9	82	4.1
Deltapine 434 RR	668	39.6	4.1	1.10	27.7	81	4.7
FiberMax 989 B2R	668	34.4	3.4	1.06	29.8	80	3.1
Deltapine 494 RR	666	37.8	4.3	1.09	30.6	82	4.2
TAM 00 W-71	665	36.1	4.2	1.04	28.0	81	4.1
Stoneville 4686R	662	37.2	4.2	1.06	28.9	82	5.7
Deltapine 455 BG/RR	661	38.1	3.9	1.08	28.9	81	3.8
TAM 99 F-87	658	36.2	4.0	1.12	30.3	82	5.0
FiberMax 989 BR	649	36.3	4.1	1.05	29.5	82	3.6
FiberMax 960 RR	644	36.0	4.0	1.07	28.1	81	3.0
Stoneville 4575BR	643	37.4	4.2	1.04	28.7	82	5.8
PhytoGen 480 WR	639	36.4	4.0	1.13	29.3	83	5.5
FiberMax 800 RR	626	37.3	4.2	1.10	32.3	83	3.6
PSC PhytoGen 72 Acala	625	35.7	4.1	1.16	33.4	84	5.1
Deltapine PM 2167RR	617	37.0	4.5	1.06	27.9	82	3.6
Deltapine 491	616	38.0	4.1	1.09	29.6	80	3.3
Deltapine 488 BG/RR	614	37.8	4.1	1.11	29.7	82	4.2
FiberMax 960 BR	614	37.4	4.1	1.05	29.0	82	4.2
Stoneville NG 3969R	598	35.0	4.3	1.08	30.1	82	4.5
TAM 00 WA-104	583	36.3	4.0	1.08	31.7	82	4.5
TAM 00 WC-116	528	34.8	4.0	1.13	28.8	81	4.4
TAM 00 S-36	515	35.2	4.1	1.10	29.0	81	4.0
TAM 98 D-102	493	33.2	3.6	1.10	33.5	83	3.5
TAM 99 F-84	490	35.6	3.6	1.11	28.8	81	3.8
TAM 00 WA-103	478	33.4	4.0	1.08	28.9	82	4.9
TAM 00 U-82	430	33.3	3.9	1.22	31.6	83	4.6
LSD (k=100) <sup>1</sup>	164	3.0	0.9	0.05	2.9	4	1.1
%CV	15	3.7	6.7	2.10	4.5	1	12.8
Mean	638	36.8	4.0	1.10	29.4	82	4.2

1. Values within columns are different at approximately  $p=0.05$  ( $k=100$ ) if they differ by more than the LSD at the base of the column.

**Table 5. Agronomic performance and fiber quality of cotton cultivars evaluated at Upper Coast during 2005.**

Cultivar	Lint Yield (lb/ac)	Gin Turnout (%)	Micro-naire (units)	Length (in)	Strength (g/tex)	UI (ratio)	Elongation (%)
Deltapine 434 RR	770	44.5	4.9	1.08	27.7	81	4.3

Deltapine 491	733	43.8	4.8	1.11	30.2	82	3.3
PhytoGen 310 R	690	43.2	4.8	1.03	31.6	83	4.5
Deltapine 455 BG/RR	685	43.6	4.7	1.11	30.7	81	3.4
Stoneville 5599 BR	682	42.9	5.2	1.04	27.3	81	3.4
FiberMax 960 BR	674	40.2	4.6	1.07	32.4	81	2.7
Deltapine 494 RR	670	43.1	5.1	1.11	31.7	83	4.1
Deltapine 454 BG/RR	653	44.2	4.6	1.05	28.9	82	3.5
PhytoGen 470 WR	635	41.2	5.1	1.08	30.6	84	5.9
Stoneville 4892 BR	624	40.4	5.3	1.07	29.6	83	3.4
Stoneville 4575BR	622	43.4	5.3	1.10	30.2	84	6.2
Deltapine 445 BG/RR	619	42.9	4.9	1.10	31.6	85	6.1
Deltapine 555 BG/RR	605	46.0	4.7	1.06	27.4	80	3.2
FiberMax 960 RR	604	40.6	4.3	1.11	32.2	84	2.9
FiberMax 958 LL	602	38.9	4.6	1.13	31.6	83	2.8
PhytoGen 480 WR	595	41.3	5.3	1.10	30.0	84	5.4
TAM 00 WA-103	593	38.7	4.3	1.09	30.3	82	4.7
FiberMax 832LL	591	39.4	4.3	1.16	32.8	85	3.4
TAM 99 WJ-9	580	38.9	5.0	1.13	33.0	84	3.3
Stoneville 5242BR	580	40.7	4.8	1.09	28.6	83	4.2
PhytoGen 72 Acala	577	39.7	4.8	1.14	35.5	83	4.9
FiberMax 800 B2R	568	41.4	4.5	1.13	31.7	83	3.6
Deltapine 444 BG/RR	566	42.1	4.3	1.07	27.4	83	3.9
Deltapine 488 BG/RR	561	37.9	4.9	1.11	29.7	82	4.0
TAM 00 WA-104	560	38.7	4.2	1.10	33.4	83	4.3
Tamcot 22	557	44.4	4.5	1.10	27.7	82	4.7
TAM 00 V-57	553	38.5	4.3	1.14	29.8	84	4.7
TAM 99 F-87	552	39.7	4.4	1.15	30.0	82	4.3
FiberMax 800 BR	551	36.8	4.3	1.15	32.3	84	4.1
Stoneville 4686R	547	42.9	4.9	1.07	30.5	83	6.3
TAM 98 D-102	542	38.0	4.7	1.12	35.6	84	3.9
FiberMax 966 LL	538	38.9	4.3	1.11	31.5	82	2.8
Deltapine 432 RR	537	41.5	5.1	1.06	30.3	83	4.3
TAM 00 S-36	535	38.4	4.9	1.13	32.9	83	4.3
TAM 00 W-71	535	39.8	4.7	1.09	27.6	82	3.8
TAM 99 F-84	528	40.6	4.4	1.14	29.6	81	3.2
PM 2167RR	513	39.6	4.8	1.01	27.1	81	4.3
TAM 00 WC-116	501	38.1	4.5	1.17	29.7	83	4.2
FiberMax 960 B2R	499	39.0	4.9	1.14	32.2	83	3.0
Deltapine 543 BGII/RR	480	41.7	5.0	1.07	28.7	81	2.9
TAM 00 U-82	474	36.9	4.7	1.22	33.5	84	4.1
PhytoGen 440 W	460	42.2	4.7	1.09	29.7	82	4.8
FiberMax 800 RR	407	41.1	4.6	1.12	33.9	85	4.0

TAM 00 WD-3	403	35.7	4.3	1.23	31.4	83	3.6
LSD (k=100) <sup>1</sup>	ns	4.5	0.4	0.03	2.3	1	0.4
%CV	20	4.8	4.0	1.40	3.8	1	5.4
Mean	580	40.7	4.7	1.10	30.7	83	4.0

1. Values within columns are different at approximately  $p=0.05$  ( $k=100$ ) if they differ by more than the LSD at the base of the column.

Note: Severe drought conditions resulting in very poor stands.

**Table 6. Agronomic performance and fiber quality of the cotton cultivars evaluated at College Station during 2005. (Irrigated)**

Cultivar	Lint Yield (lb/ac)	Gin Turnout (%)	Micro-naire (units)	Length (in)	Strength (g/tex)	UI (ratio)	Elongation (%)
PhytoGen 310 R	1626	42.5	4.7	1.08	27.2	82	4.6
PhytoGen 440 W	1574	39.6	4.6	1.14	26.5	84	5.8
PhytoGen 370 WR	1562	40.9	4.5	1.12	28.3	82	4.8
Deltapine 491	1538	42.4	4.5	1.21	29.0	82	3.6
FiberMax 800 BR	1521	37.0	4.2	1.21	29.4	84	3.9
FiberMax 960 BR	1516	38.6	4.4	1.15	31.5	84	2.9
PhytoGen 480 WR	1493	38.4	4.9	1.19	27.7	84	5.9
TAM 99 F-87	1492	38.0	4.1	1.20	28.1	83	4.0
Deltapine 432 RR	1465	38.2	4.3	1.12	28.9	82	5.8
FiberMax 960 RR	1459	39.0	4.1	1.19	30.3	83	2.9
Deltapine 454 BG/RR	1452	43.1	4.1	1.11	27.3	82	3.9
Tamcot 22	1448	40.2	4.2	1.13	25.2	82	4.8
FiberMax 800 B2R	1434	38.1	4.2	1.18	29.5	82	3.7
Stoneville 5599 BR	1432	42.1	4.4	1.14	26.3	82	3.3
TAM 99 WJ-9	1430	38.0	4.6	1.21	31.2	85	3.3
Stoneville 4892 BR	1426	41.2	4.7	1.10	26.3	81	4.4
TAM 00 WA-104	1418	37.8	4.5	1.14	28.4	83	4.5
FiberMax 960 B2R	1410	40.1	4.5	1.19	30.3	83	2.8
Deltapine 488 BG/RR	1410	39.4	4.5	1.19	29.0	83	4.0
FiberMax 989 B2R	1378	37.9	4.3	1.18	30.2	83	3.0
Stoneville 5242BR	1369	40.0	4.2	1.12	26.2	83	4.6
Deltapine 434 RR	1367	41.9	4.1	1.15	25.8	81	5.0
FiberMax 958 LL	1367	39.3	4.6	1.20	30.8	84	3.1
TAM 00 S-36	1355	38.3	4.6	1.21	29.2	84	4.3
Deltapine 444 BG/RR	1349	40.3	4.1	1.14	27.7	84	4.9
TAM 00 WA-103	1335	36.8	4.3	1.15	28.8	82	5.2
FiberMax 966 LL	1324	38.2	4.4	1.13	30.4	84	3.1
Deltapine 455 BG/RR	1321	41.5	4.3	1.13	27.3	82	3.8
FiberMax 800 RR	1316	38.8	4.5	1.18	31.0	86	3.9

TAM 00 U-82	1298	35.5	4.3	1.27	31.2	84	4.2
TAM 00 V-57	1294	37.0	4.2	1.20	29.5	83	4.2
PhytoGen 470 WR	1287	37.5	4.3	1.13	27.2	83	6.0
Deltapine 445 BG/RR	1280	42.4	4.4	1.14	27.9	84	5.4
FiberMax 832LL	1271	39.0	4.3	1.20	29.3	84	3.5
TAM 00 W-71	1264	35.0	4.4	1.19	28.1	82	4.4
TAM 99 F-84	1212	38.3	4.1	1.19	28.3	82	3.4
TAM 00 WC-116	1208	33.0	4.5	1.19	28.6	83	4.3
Deltapine 543 BGII/RR	1172	40.6	4.7	1.14	28.2	81	3.4
Deltapine 555 BG/RR	1165	41.9	4.4	1.13	27.1	81	3.3
TAM 00 WD-3	1161	35.4	4.0	1.27	30.8	84	3.8
Stoneville 4686R	1142	40.7	4.4	1.12	27.5	82	6.8
PM 2167RR	941	36.9	4.5	1.01	26.8	80	4.9
PSC PhytoGen 72 Acala	922	33.8	4.2	1.16	30.3	82	4.6
OC R-900	772	34.4	3.8	1.13	25.7	80	3.9
LSD (k=100) <sup>1</sup>	240	3.3	0.5	0.04	1.6	1	0.4
%CV	12	4.1	4.6	1.80	2.9	1	5.6
Mean	1337	38.9	4.3	1.16	28.4	83	4.3

1. Values within columns are different at approximately  $p=0.05$  ( $k=100$ ) if they differ by more than the LSD at the base of the column.

**Table 7. Agronomic performance and fiber quality of cotton cultivars evaluated at Uvalde during 2005.**

Cultivar	Lint Yield (lb/ac)	Gin Turnout (%)	Micro-naire (units)	Length (in)	Strength (g/tex)	UI (ratio)	Elongation (%)
Deltapine 449 BG/RR	647	40.3	5.0	1.06	29.4	81	3.6
Deltapine 444 BG/RR	626	40.3	4.2	1.08	27.5	82	4.3
Stoneville 5599 BR	605	41.0	4.7	1.06	26.1	81	3.7
Deltapine 434 RR	605	42.5	4.6	1.08	26.0	80	4.9
PM 2167RR	596	38.4	5.0	1.00	26.7	81	4.3
Deltapine 454 BG/RR	589	42.8	4.2	1.02	26.9	79	4.3
FiberMax 832LL	577	36.9	4.4	1.11	30.2	82	3.1
Deltapine 455 BG/RR	570	41.4	5.0	1.07	28.9	81	3.5
PhytoGen 310 R	557	41.7	5.0	0.98	27.6	80	5.2
Deltapine 555 BG/RR	554	42.1	5.0	1.03	26.1	79	3.2
FiberMax 960 BR	543	37.7	4.7	1.05	32.6	81	2.6
FiberMax 960 RR	532	36.0	4.3	1.10	29.7	81	3.0
TAM 99 WJ-9	531	36.8	5.0	1.11	29.3	82	2.9
Stoneville 5242BR	531	41.5	4.6	1.05	26.2	82	3.9
TAM 00 WA-104	526	37.4	4.7	1.06	31.4	82	4.2

Stoneville 4575BR	525	40.3	4.8	1.05	28.8	81	5.6
TAM 00 WA-103	515	37.0	5.0	1.02	28.9	81	4.2
FiberMax 989 B2R	513	37.7	4.2	1.09	29.2	81	2.9
PhytoGen 410 R	513	39.9	4.7	1.04	28.1	82	5.1
TAM 00 V-57	503	37.8	4.4	1.11	30.1	82	3.7
TAM 99 F-87	503	38.5	4.3	1.10	29.1	81	4.0
TAM 00 S-36	501	37.7	4.7	1.09	31.0	81	3.8
Stoneville 4892 BR	497	40.1	4.7	1.03	26.7	81	3.8
Deltapine 445 BG/RR	497	40.5	4.6	1.08	28.6	82	5.5
FiberMax 960 B2R	492	39.9	4.7	1.12	28.2	81	3.1
FiberMax 966 LL	492	38.3	4.6	1.06	29.9	82	3.0
Tamcot 22	489	41.4	4.7	1.06	27.0	80	4.8
TAM 00 U-82	487	34.9	4.3	1.19	32.2	83	4.2
Stoneville 4686R	482	39.7	4.9	1.07	29.7	82	5.2
Deltapine 494 RR	476	39.7	5.2	1.11	30.0	82	3.2
FiberMax 800 B2R	474	38.2	4.5	1.15	30.5	82	3.1
FiberMax 958 LL	463	40.8	4.7	1.10	30.7	82	2.6
FiberMax 800 BR	458	39.3	4.7	1.13	30.1	83	3.4
TAM 00 WC-116	452	35.7	4.6	1.15	29.4	81	4.2
PhytoGen 470 WR	450	39.2	4.7	1.03	27.8	81	5.6
FiberMax 989 BR	448	39.3	4.9	1.05	26.4	79	3.8
TAM 00 W-71	444	37.7	4.9	1.07	27.2	80	3.6
FiberMax 800 RR	436	37.8	4.9	1.09	32.1	83	3.2
Deltapine 432 RR	434	40.3	5.2	1.07	29.3	83	5.0
Deltapine 491	424	41.9	5.1	1.06	27.2	80	3.6
TAM 00 WD-3	418	33.4	4.3	1.18	29.6	82	3.7
TAM 99 F-84	407	37.7	4.1	1.11	27.1	81	3.5
PhytoGen 480 WR	399	36.8	4.2	1.07	28.0	81	5.9
Deltapine 543 BGII/RR	398	39.1	5.1	1.06	28.0	81	3.0
PSC PhytoGen 72 Acala	383	37.3	4.7	1.15	32.4	83	4.8
LSD (k=100) <sup>1</sup>	ns	2.6	0.4	0.05	3.1	3	0.7
%CV	18	3.3	4.1	2.30	4.9	1	9.2
Mean	501	39.0	4.7	1.08	28.8	81	4.0

1. Values within columns are different at approximately  $p=0.05$  ( $k=100$ ) if they differ by more than the LSD at the base of the column.

**Table 8. Agronomic performance and fiber quality of cotton cultivars evaluated at Thrall during 2005.**

Cultivar	Lint Yield (lb/ac)	Gin Turnout (%)	Micro-naire (units)	Length (in)	Strength (g/tex)	UI (ratio)	Elongation (%)
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Deltapine 491	664	41.6	5.1	1.12	29.3	82	4.0
PhytoGen 470 WR	618	38.3	5.2	1.09	29.2	85	6.1
FiberMax 800 BR	614	39.8	4.7	1.17	30.6	84	4.6
Deltapine 543 BGII/RR	613	40.0	5.3	1.10	29.2	83	3.5
Deltapine 488 BG/RR	608	40.4	4.9	1.11	29.0	82	4.4
Tamcot 22	586	40.2	4.8	1.09	25.6	81	5.1
FiberMax 960 BR	584	39.9	5.2	1.11	31.5	83	3.3
PhytoGen 480 WR	581	38.6	5.3	1.10	29.6	83	6.5
Deltapine 454 BG/RR	574	43.6	4.8	1.03	27.7	82	4.7
PhytoGen 310 R	566	41.4	5.2	1.05	29.4	82	4.7
Stoneville 4686R	566	40.0	4.8	1.07	29.4	82	6.3
Deltapine 555 BG/RR	543	40.6	5.3	1.08	27.3	81	4.0
Stoneville 5599 BR	542	40.5	5.1	1.08	26.7	82	3.4
Stoneville 5242BR	535	40.4	5.0	1.07	27.2	82	4.5
TAM 00 WA-104	526	38.2	5.0	1.08	30.8	82	4.7
FiberMax 989 B2R	519	38.0	5.0	1.12	31.4	82	3.2
FiberMax 800 B2R	518	39.6	4.6	1.18	32.6	84	4.1
Stoneville 4892 BR	516	41.7	5.6	1.08	27.8	82	4.7
TAM 99 WJ-9	516	38.6	5.6	1.11	29.9	83	3.3
Deltapine 455 BG/RR	514	40.9	5.0	1.10	28.1	82	3.8
Deltapine 445 BG/RR	509	40.2	5.1	1.10	30.1	83	6.1
TAM 00 W-71	506	39.1	5.2	1.08	28.0	82	3.8
PhytoGen 440 W	503	39.7	5.2	1.10	29.2	85	6.0
FiberMax 989 BR	493	38.3	5.1	1.11	30.7	82	4.1
TAM 00 V-57	489	38.6	5.1	1.11	28.7	82	4.9
Deltapine 432 RR	488	40.4	5.6	1.06	27.3	82	5.8
TAM 00 S-36	487	37.3	5.1	1.13	30.6	82	4.6
Stoneville 4575BR	479	38.7	5.1	1.09	29.1	83	6.5
FiberMax 960 B2R	477	38.5	4.9	1.15	31.2	82	3.3
FiberMax 966 LL	475	37.8	4.9	1.11	32.2	83	3.1
PSC 410R	466	39.2	5.0	1.10	29.6	84	5.4
PhytoGen 370 WR	463	40.3	4.9	1.06	29.4	82	4.5
TAM 99 F-84	451	38.9	4.7	1.10	27.7	80	3.5
Deltapine 434 RR	448	40.4	4.9	1.11	26.3	82	4.9
FiberMax 960 RR	447	39.3	4.7	1.11	29.3	83	2.9
FiberMax 832LL	445	35.7	4.5	1.15	31.3	83	3.5
All-Tex Magnum RR	443	39.6	5.1	1.07	28.7	83	5.1
All-Tex Patroit	439	36.1	4.7	1.09	27.8	83	4.8
FiberMax 800 RR	429	39.0	4.8	1.13	31.7	84	3.9
TAM 99 F-87	427	38.5	4.8	1.13	29.7	84	4.3
Deltapine 424 BGII/RR	424	38.3	5.4	1.10	26.4	83	4.8
PM 2167RR	417	38.3	5.1	1.01	27.9	81	4.5

TAM 00 U-82	411	36.1	5.0	1.20	31.5	83	4.6
PSC PhytoGen 72 Acala	409	36.6	5.1	1.12	32.4	82	5.2
FiberMax 958 LL	408	38.2	5.1	1.13	31.0	82	2.9
TAM 00 WA-103	405	36.2	5.0	1.07	29.8	82	5.2
Deltapine 444 BG/RR	401	40.1	4.9	1.07	27.1	82	4.3
TAM 00 WC-116	391	38.0	5.2	1.12	28.1	83	4.5
TAM 01 WQ-6	385	37.8	4.8	1.18	31.5	84	6.1
All-Tex Warrior RR	373	37.7	4.8	1.11	27.9	81	4.1
TAM 00 WD-3	325	35.7	4.9	1.15	28.9	81	3.5
Stoneville NG 3969R	295	35.9	4.7	1.11	29.5	82	5.5
LSD (k=100) <sup>1</sup>	ns	2.0	0.4	0.04	2.3	2	0.5
%CV	29	2.6	3.8	2.00	3.7	1	6.7
Mean	486	39.0	5.0	1.10	29.3	82	4.5

1. Values within columns are different at approximately  $p=0.05$  ( $k=100$ ) if they differ by more than the LSD at the base of the column.

**Table 9. Agronomic performance and fiber quality of cotton cultivars evaluated at Dallas during 2005. (Dryland)**

Cultivar	Lint Yield (lb/ac)	Gin Turnout (%)	Micro-naire (units)	Length (in)	Strength (g/tex)	UI (ratio)	Elongation (%)
Deltapine 434 RR	513	29.1	4.7	1.03	24.9	78	4.7
TAM 00 WD-3	471	23.9	4.1	1.21	30.8	83	3.0
TAM 99 F-87	464	28.4	4.4	1.05	29.0	80	4.6
Stoneville 5599 BR	455	31.3	4.7	1.00	25.1	79	3.8
TAM 99 F-84	444	26.7	4.3	1.06	28.0	78	4.1
PSC 410R	436	25.6	4.7	0.98	28.0	80	4.8
Deltapine 424 BGII/RR	429	26.2	4.4	0.96	26.9	79	5.3
Stoneville 4892 BR	419	25.6	4.4	1.00	27.6	80	4.1
TAM 00 U-82	414	24.2	4.4	1.06	30.9	80	4.6
PhytoGen 470 WR	414	30.0	4.4	1.07	30.0	81	4.8
Deltapine 432 RR	406	29.2	4.9	1.04	28.0	80	4.9
TAM 00 WC-116	398	24.0	4.4	1.08	28.4	78	4.1
TAM 00 V-57	395	24.3	4.5	1.07	28.6	79	4.1
Deltapine 494 RR	393	27.6	4.6	1.05	28.3	79	3.5
Deltapine PM 2167 RR	391	25.9	5.2	0.94	26.3	80	4.4
TAM 00 W-71	391	24.9	4.3	1.03	27.3	78	4.3
Deltapine 445 BG/RR	386	27.5	4.4	0.99	29.2	79	5.5
PhytoGen 310 R	385	27.3	5.0	0.98	26.5	78	4.9
Tamcot 22	381	25.5	4.1	1.02	25.7	78	5.1
PhytoGen 440 W	358	26.8	4.3	1.07	30.0	82	5.5
TAM 00 WA-104	352	25.8	4.3	1.05	30.1	80	4.1

TAM 00 WA-103	343	25.6	4.6	1.02	28.1	78	4.8
PhytoGen 370 WR	337	28.8	4.5	1.01	27.1	80	4.7
TAM 98 D-102	323	25.1	4.6	1.05	32.0	81	3.3
PhytoGen 480 WR	321	28.9	4.4	1.03	29.4	79	5.6
TAM 99 WJ-9	305	23.8	4.4	1.05	30.6	80	3.0
Deltapine 455 BG/RR	301	28.5	4.3	0.99	27.6	78	4.9
Deltapine 444 BG/RR	299	26.7	4.5	1.02	26.4	79	4.5
FiberMax 800 RR	279	28.2	4.5	1.02	30.8	81	3.4
FiberMax 960 B2R	267	26.2	4.2	1.01	26.0	78	3.4
TAM 00 S-36	248	22.4	4.3	1.00	27.5	77	4.2
Deltapine 491	226	28.2	4.7	1.03	26.2	80	3.6
Deltapine 555 BG/RR	216	24.9	4.1	0.96	24.3	76	4.8
PSC PhytoGen 72 Acala	208	23.7	4.2	1.08	32.2	80	4.6
Deltapine 454 BG/RR	206	27.9	4.2	0.92	23.7	77	5.0
Deltapine 543 BGII/RR	184	25.6	4.1	0.99	25.6	78	3.6
LSD (k=100) <sup>1</sup>	174	5.2	0.7	0.10	4.4	3	0.9
%CV	26	7.5	5.8	4.30	6.6	1	10.3
Mean	356	26.5	4.4	1.02	27.9	79	4.4

1. Values within columns are different at approximately  $p=0.05$  ( $k=100$ ) if they differ by more than the LSD at the base of the column.

**Table 10. Agronomic performance and fiber quality of cotton cultivars evaluated at Chillicothe during 2005. (Irrigated)**

Cultivar	Lint Yield (lb/ac)	Gin Turnout (%)	Micro-naire (units)	Length (in)	Strength (g/tex)	UI (ratio)	Elongation (%)
PhytoGen 470 WR	1159	29.7	4.9	1.08	27.0	82	7.1
Stoneville 5599 BR	1145	30.0	4.7	1.10	27.3	82	4.1
Deltapine 454 BG/RR	1144	32.0	4.5	1.07	27.0	82	4.9
PhytoGen 480 WR	1136	29.5	4.9	1.13	27.4	84	7.0
FiberMax 960 B2R	1122	29.5	4.8	1.12	28.6	82	3.4
Stoneville 5242BR	1089	28.8	4.6	1.07	25.2	82	5.2
Stoneville 4575BR	1081	28.6	4.8	1.08	25.8	82	7.9
Deltapine 444 BG/RR	1042	28.9	3.9	1.06	25.8	81	5.2
PhytoGen 310 R	1028	30.0	4.8	1.07	26.5	83	5.7
Stoneville NG 2448R	1012	27.3	4.6	1.10	28.7	83	5.7
Deltapine 488 BG/RR	1005	29.6	4.8	1.13	27.5	82	5.0
PhytoGen 440 W	992	28.6	5.0	1.10	26.4	82	7.5
Deltapine 555 BG/RR	986	31.6	5.0	1.08	26.4	81	4.1
Stoneville 4686R	984	28.0	4.8	1.10	28.1	83	7.5
Deltapine 455 BG/RR	978	29.5	4.5	1.06	28.6	81	4.4

All-Tex Excess RR	953	26.1	4.8	1.08	29.6	83	6.0
Stoneville 4892 BR	950	27.4	4.6	1.06	26.2	82	8.4
Deltapine 494 RR	947	27.8	5.1	1.13	29.4	82	5.1
FiberMax 958 LL	946	28.8	5.0	1.17	29.3	84	3.4
PhytoGen 370 WR	946	28.0	4.4	1.08	27.4	82	5.4
Deltapine 445 BG/RR	933	27.1	4.3	1.11	27.7	82	6.8
Deltapine 434 RR	930	27.4	4.1	1.16	27.1	82	5.8
TAM 99 F-87	914	27.8	5.0	1.15	27.1	82	5.4
All-Tex Atlas RR	909	25.9	4.9	1.02	27.7	81	5.6
Stoneville 3664R	899	27.3	4.8	1.02	25.6	83	5.7
PM 2167RR	883	25.9	5.3	1.00	26.1	82	5.0
Stoneville NG 3969R	873	24.8	4.3	1.13	29.8	83	5.9
TAM 00 S-36	870	26.1	5.2	1.15	29.7	83	4.9
Deltapine 543 BGII/RR	853	28.9	4.7	1.07	27.2	82	4.1
TAM 00 WA-103	843	24.1	4.5	1.11	29.9	82	6.0
FiberMax 966 LL	843	26.8	4.9	1.10	29.8	83	3.5
TAM 00 U-82	813	23.3	4.7	1.28	30.0	83	4.5
All-Tex Patriot	802	23.0	4.4	1.14	27.6	82	5.1
Tamcot 22	776	29.2	4.6	1.09	26.4	82	5.3
All-Tex Warrior RR	775	26.1	4.6	1.09	27.7	80	5.4
TAM 00 WC-116	762	24.7	4.9	1.19	28.2	84	4.9
TAM 00 W-71	760	24.7	4.9	1.11	28.1	82	4.9
TAM 99 F-84	757	25.3	4.5	1.16	27.8	82	4.3
All-Tex Magnum RR	752	25.0	4.7	1.07	28.1	82	5.9
TAM 00 V-57	743	25.6	4.9	1.12	28.5	83	5.3
TAM 00 WD-3	739	23.3	4.8	1.25	28.1	82	3.7
TAM 00 WA-104	730	25.0	4.5	1.10	32.8	84	5.4
TAM 99 WJ-9	697	24.5	4.6	1.19	30.6	84	3.4
PSC PhytoGen 72 Acala	651	24.3	4.5	1.15	32.4	84	6.1
LSD (k=100) <sup>1</sup>	98	2.2	0.5	0.04	1.9	ns	1.7
%CV	8	4.1	4.5	2.00	28.0	82	15.1
Mean	913	27.2	4.7	1.11	3.5	1	1.7

1. Values within columns are different at approximately  $p=0.05$  ( $k=100$ ) if they differ by more than the LSD at the base of the column.