

WEST CENTRAL TEXAS RACE TRIALS | 2025

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ADDITIONAL RESOURCES

- General cotton production information for new cotton growers: <http://cotton.tamu.edu/index.html>
- Cotton variety trial results: <http://varietytesting.tamu.edu/cotton/>
- Other agronomy information from the Texas A&M AgriLife Extension Center at San Angelo, TX: <https://sanangelo.tamu.edu/extension/agronomy>

2025 OVERVIEW

The Texas A&M AgriLife Extension Service agronomy program in San Angelo, TX coordinated the planting of 6 large-plot and 1 small-plot, on-farm, replicated variety trials across West Central Texas in 2025 (Fig. 1, Table 1). The 2025 cotton growing season began with delayed planting and generally favorable planting conditions due to considerable rainfall in mid- to late-May across the region. July also received more rainfall than normal, including a 10-15 inch rain event on July 4th in the Concho Valley area. Temperatures were cooler than in recent summers, resulting in less heat stress overall. The Tom Green irrigated location was established as small plots rather than large strips and had four replications. The Fisher County irrigated site failed early-season due to hail and flood damage, and the Glasscock County site was lost due to herbicide damage.

Seed cotton subsamples from harvested locations were ginned at the Texas A&M AgriLife Research Gin at the Texas A&M AgriLife Research and Extension Center in Lubbock, TX. This is a small-scale Lummus gin with lint cleaners that affect turnout and lint quality similar to a commercial gin. The Tom Green County irrigated and Martin County dryland locations were harvested late and needed to be ginned using a small 10-saw table gin that only separates the lint and seed. This can inflate turnout values and staple length and does not return accurate color or leaf grades due to the absence of a lint cleaner. Therefore, sites ginned this way were assumed to have a 41-4 color grade and leaf class for loan value calculations. HVI quality parameters (micronaire, length, strength, uniformity, color, and leaf grade) were measured and reported by the Texas Tech University Fiber and Biopolymer Research Institute. These parameters for each sample were used to calculate loan values using the 2025 Cotton Incorporated Loan Value Calculator with a base lint value of \$0.52 lb⁻¹.

Replication and statistical analyses were used to account for variability within test sites and identify effects that can be confidently attributed to the genetic differences between varieties rather than inconsistent conditions or other sources of error. Differences were declared at $\alpha = 0.10$ (or $P < 0.10$), meaning we accept a 10% chance of declaring a false positive, and maintain 90% confidence that declared differences are true and due to the treatments. When P is greater than 0.10, no significant differences exist for that response. Significant P values are indicated by bold font in the results tables. The CV (coefficient of variation) presented in the results table for each site indicates the range of variability in the raw data. A lower CV is better and indicates a more uniform trial. The LSD (least significant difference) is the margin of variation within groups that are statistically similar, so if $P < 0.10$ and the difference between two values is greater than the LSD, then those values are statistically different. In the results for each site, LSD values are only shown if significant differences exist. Otherwise, non-significance is indicated as “n.s.”

SITE INFORMATION

Table 1. Trial locations and details for harvested 2025 West Central Texas RACE trials.

County	Water Regime	Cooperator	Extension Agents	Planting date	Harvest date	Row Spacing	Row Pattern	Seeding Rate (seeds ac ⁻¹)	Soil Series [§]
Tom Green	Dryland	Eric Schwertner	Caleb Kott	6/16	11/10	8 × 40	3-1-2-1-3	27000	Angelo clay loam
Martin	Dryland	Josh Tunnel	Kade Hunter	6/5	12/10	4 × 60	2 and 1	21500	Portales loam & Acuff sandy clay loam
Runnels	Dryland	Paul Minzenmayer	Marty Vahlenkamp	6/14	11/12	12 × 36	Solid	28000	Rowena & Tobosa soils
Jones	Dryland	John Walker	Clay Cole	6/17	12/11	8 × 39	Solid	32000	Rowena clay loam
Tom Green	Irrigated	Brandon Ripple	Caleb Kott	6/17	12/10	4 × 39	Solid	36000	Angelo clay loam
Fisher	Irrigated	Joe Posey	Nick Dickson	6/4	Failed*	8 × 30	Solid	39000	Colorado silt loam
Glasscock	Irrigated	Cole Schwartz	Brad Easterling	6/9	11/17*	8 × 40	Solid	36-44000	Angelo silty clay loam

§ Soil series and texture obtained from web soil survey.

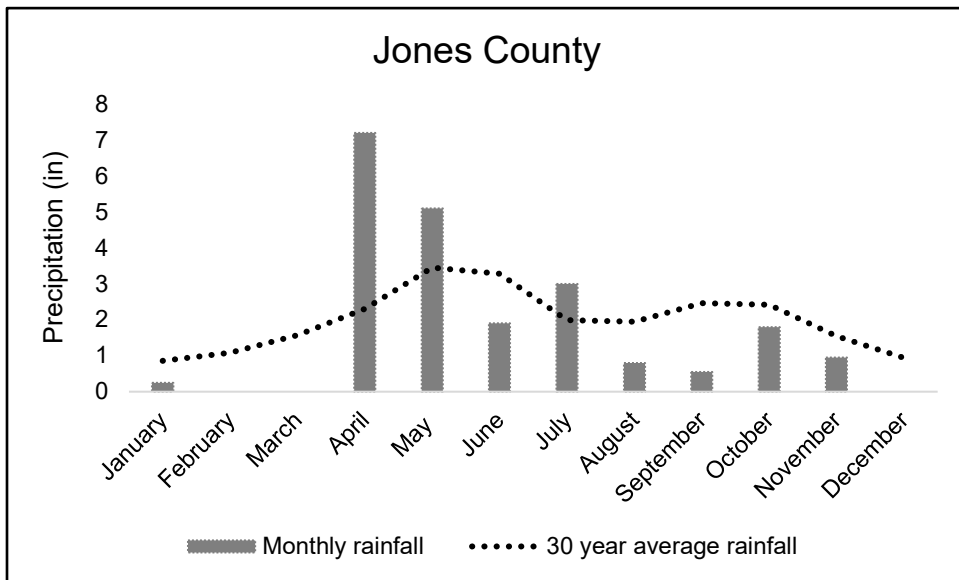
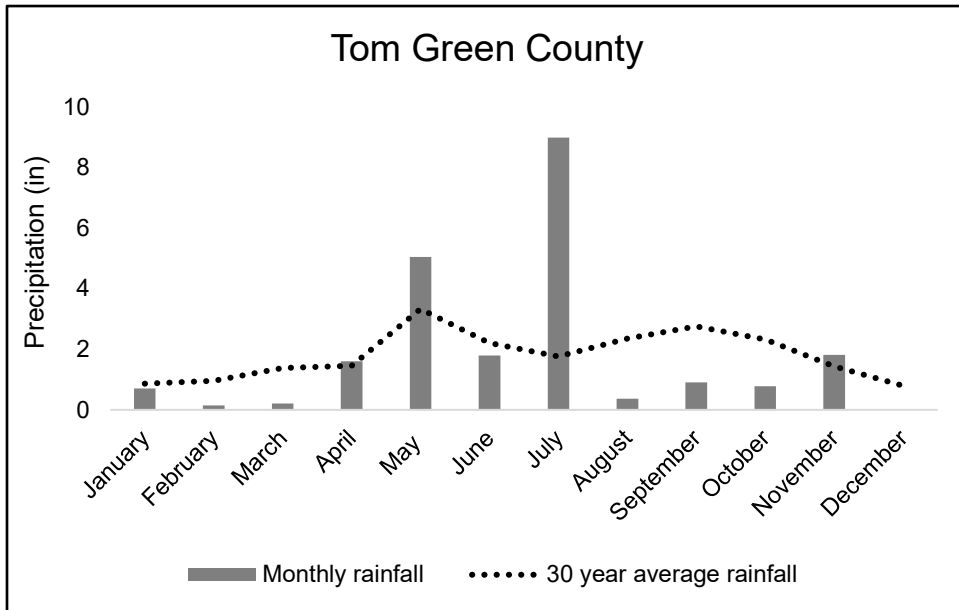
*Fisher county trial was failed due to hail and flood damage mid-season. Glasscock county lost to herbicide damage.

VARIETY CHARACTERISTICS

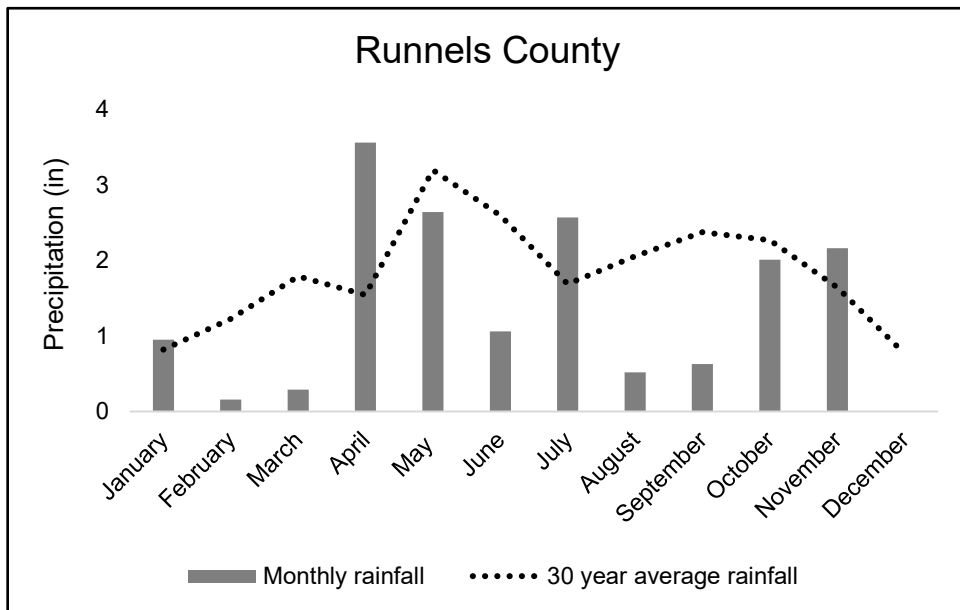
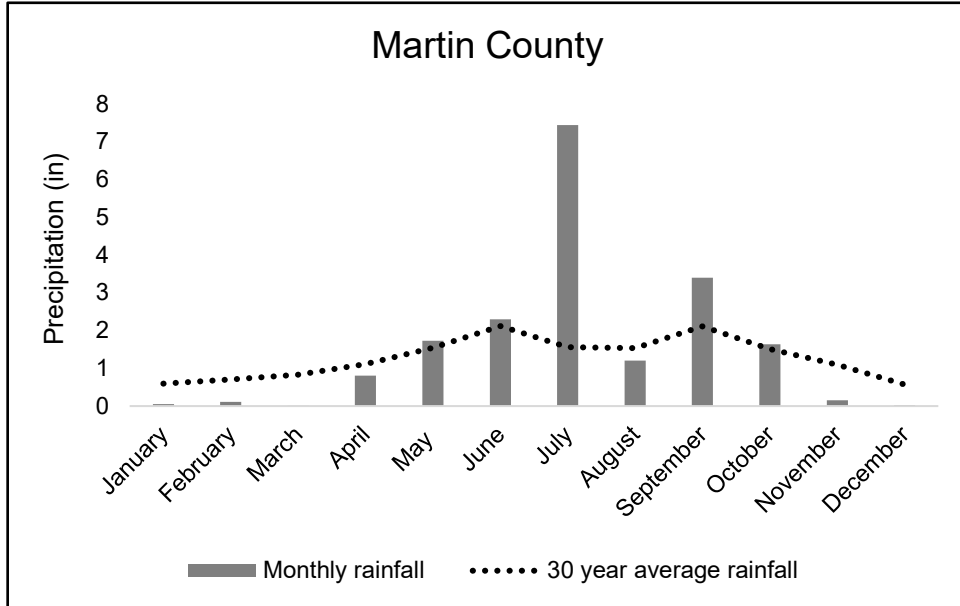
Table 2. Characteristics of cotton varieties included in the 2025 RACE trials in West Central Texas. Information is obtained from seed company websites and uses their specific terminology.

Variety	Maturity	Leaf Type	Plant Height	Verticillium	Bacterial Blight	Root-knot	Reniform
DeltaPine 2239 B3XF	med.	smooth	med.	mod-sus	susceptible	susceptible	susceptible
DeltaPine 2335 B3XF	med.	smooth	med.	tolerant	resistant	susceptible	susceptible
NexGen 4507 B3TXF	med.	semi-smooth	med-tall	fair	resistant	susceptible	susceptible
NexGen 5430 B3XF	full	smooth	med-tall	fair	mod. susceptible	susceptible	susceptible
Stoneville 6000 AXTP	mid-full	semi-smooth	med-tall	fair	resistant	good	susceptible
Stoneville 5855 AXTP	mid-full	semi-smooth	med-tall	fair	resistant	good	susceptible
FiberMax 757 AXTP	early	semi-smooth	short	fair	resistant	susceptible	susceptible
FiberMax 814 AXTP	early-mid	semi-smooth	short	excellent	resistant	good	susceptible
Phytogen 332 W3FE	early-mid	semi-smooth	med-tall	tolerant	resistant	resistant	resistant
Phytogen 415 W3FE	mid.	semi-smooth	med.	resistant	resistant	resistant	susceptible
Phytogen 400 W3FE	early-mid	semi-smooth	short-med	susceptible	resistant	resistant	susceptible
Phytogen 136 W3E1	Early-mid	Semi-smooth	Med.	resistant	resistant	resistant	resistant
Phytogen 137 W3E1	Early-mid	Semi-smooth	Med.	susceptible	resistant	resistant	susceptible

2025 PRECIPITATION BY LOCATION



2025 PRECIPITATION BY LOCATION CONT...



VARIETY PERFORMANCE ACROSS LOCATIONS - 2025

Table 3. Variety rankings based on lint yield.

Variety	Tom Green DRY	Martin DRY	Runnels DRY*	Jones DRY*	Tom Green IRR*	Mean Yield Ranking
PHY332W3FE	.	.	6	4	2	4
PHY400W3FE	2	.	.	.	.	.
PHY415W3FE	6	.	4	6	1	4.3
PHY136W3E1	.	5	.	.	.	.
PHY137W3E1	.	4	.	.	.	.
ST6000AXTP	5	2	.	.	4	3.7
ST5855AXTP	.	.	7	2	.	.
FM757AXTP	4	.	.	.	.	.
FM814AXTP	.	1	2	7	6	4
DP2335B3XF	7	3	5	5	8	5.6
DP2239B3XF	3	6	3	3	5	4
NG5430B3XF	1	.	1	1	7	2.5
NG4507B3TXF	8	.	8	8	3	6.8
Mean Yield (lbs/ac)	393	631	353	411	1217	
<i>*Significant differences between yields</i>						
<i>Mean rankings only calculated for varieties at 3 or more locations.</i>						

Table 4. Variety rankings based on loan value.

Variety	Tom Green DRY*	Martin DRY	Runnels DRY*	Jones DRY	Tom Green IRR*	Mean Loan Value Ranking
PHY332W3FE	.	.	2	7	4	4.3
PHY400W3FE	7	.	.	.	.	.
PHY415W3FE	6	.	5	8	7	6.5
PHY136W3E1	.	4	.	.	.	.
PHY137W3E1	.	2	.	.	.	.
ST6000AXTP	1	1	.	.	1	1
ST5855AXTP	.	.	3	1	.	.
FM757AXTP	8	.	.	.	.	.
FM814AXTP	.	3	8	5	3	4.8
DP2335B3XF	3	6	7	6	8	6
DP2239B3XF	2	5	1	4	2	2.8
NG5430B3XF	4	.	4	2	6	4
NG4507B3TXF	5	.	6	3	5	4.8
Mean Loan	50.49	52.63	49.09	52.79	53.58	
*Significant differences between yields						
Mean rankings only calculated for varieties at 3 or more locations.						

Jones County Dryland RACE Trial 2025

Variety	Stand Est. (%) [†]	Lint (lbs/ac)	Turnout (%)	Seed (lbs/ac)	Mic	Length (in)*	Strength (g/tex)	Unif.	Color	Leaf	Loan Value (¢/lb)	Lint Value
DP2239B3XF	94	413	35.7	647	4.52	1.07	27.5	80.1	21-3,21-3,12-2	2,2,2	53.63	222
DP2335B3XF	96	412	37.4	613	4.20	1.05	26.9	78.0	11-2,11-1,21-1	3,2,2	51.67	213
FM814AXTP	71	400	35.9	622	4.34	1.05	27.1	80.6	22-1,21-4,22-1	2,3,2	51.98	208
NG4507B3TXF	84	376	30.8	710	4.38	1.07	28.5	81.0	21-4,22-1,21-4	2,3,2	53.75	202
NG5430B3XF	79	449	36.6	692	4.26	1.07	28.4	81.6	11-4,21-3,21-1	2,2,2	54.20	243
PHY332W3FE	98	413	32.2	747	4.12	1.06	27.7	80.9	22-1,11-1,22-1	2,3,3	51.32	211
PHY415W3FE	96	407	31.4	765	4.63	1.04	28.9	80.4	22-1,22-2,22-2	3,3,3	51.22	208
ST5855AXTP	73	417	36.6	605	4.42	1.08	29.6	81.5	21-4,21-3,21-3	2,3,3	54.53	228
<i>P > F</i>	0.0001	0.01	<.0001	0.0001	0.09	0.04	0.004	0.0004	-	-	0.11	0.006
<i>CV</i>	6.89	4.18	3.87	4.99	4.39	1.30	2.48	0.84	-	-	3.11	4.95
<i>LSD</i>	8.6	24.7	0.02	48.4	0.275	0.020	1.00	0.97	-	-	2.360	15.4
<i>mean</i>	87	411	34.6	675	4.36	1.06	28.1	80.5	-	-	52.79	217

† Within columns, bold values represent the uppermost grouping and are not statistically different from each other.

*Staple (32^{nds}) = Length (in) × 32

Martin County Dryland RACE Trial 2025

Variety	Stand Est. (%) [†]	Lint (lbs/ac)	Turnout (%)	Seed (lbs/ac)	Mic	Length (in)*	Strength (g/tex)	Unif.	Loan Value (¢/lb)	Lint Value
DP2239B3XF	70	586	40.7	770	3.79	1.16	28.7	79.8	52.07	305
DP2335B3XF	68	631	42.4	692	3.35	1.14	29.9	79.5	50.50	323
FM814AXTP	61	685	43.3	749	4.26	1.12	27.5	81.0	53.57	367
PHY136W3E1	58	614	38.3	855	3.73	1.13	30.2	79.7	52.08	320
PHY137W3E1	74	630	38.5	926	4.35	1.12	31.3	81.0	53.65	338
ST6000AXTP	46	638	42.4	716	3.68	1.15	30.2	81.2	53.92	344
<i>P > F</i>	0.103	0.30	0.01	0.03	0.04	0.08	0.004	0.10	0.58	0.33
<i>CV</i>	17.85	7.45	3.85	10.00	8.72	1.66	2.87	1.02	4.87	9.73
<i>LSD</i>	16.6	69.6	0.02	116.1	0.498	0.028	1.26	1.21	3.794	47.9
<i>mean</i>	63	631	40.9	785	3.86	1.14	29.6	80.4	52.63	333

[†]Within columns, bold values represent the uppermost grouping and are not statistically different from each other.

*Staple (32^{nds}) = Length (in) × 32

Runnels County Dryland RACE Trial 2025

Variety	Stand Est. (%) [†]	Lint (lbs/ac)	Turnout (%)	Seed (lbs/ac)	Mic	Length (in)*	Strength (g/tex)	Unif.	Color	Leaf	Loan Value (¢/lb)	Lint Value
DP2239B3XF	64	356	36.3	532	3.62	1.06	26.9	79.5	11-2,11-2,11-2	3,3,3	53.47	191
DP2335B3XF	56	349	35.4	539	3.40	1.05	26.5	79.0	11-1,11-2,11-1	3,3,3	45.57	159
FM814AXTP	57	368	36.1	562	3.28	1.04	25.6	79.7	11-1,11-2,11-2	3,3,3	44.12	163
NG4507B3TXF	70	325	30.0	617	3.35	1.06	26.6	79.4	21-1,31-1,21-2	4,5,5	45.63	148
NG5430B3XF	67	392	35.5	632	3.88	1.02	27.8	79.9	11-3,11-1,11-1	2,3,3	50.30	197
PHY332W3FE	78	343	28.7	689	3.51	1.06	27.1	79.9	11-4,21-3,21-3	3,3,4	52.80	181
PHY415W3FE	70	350	29.7	654	3.71	1.06	27.6	80.1	31-3,32-1,31-3	6,5,4	49.35	173
ST5855AXTP	42	339	36.5	476	3.53	1.05	27.5	79.9	21-1,21-1,21-1	4,4,4	51.47	175
<i>P > F</i>	0.0008	<.0001	<.0001	<.0001	<.0001	0.14	0.008	0.33	-	-	0.04	0.02
<i>CV</i>	11.34	2.97	2.49	4.79	2.94	1.55	2.12	0.70	-	-	7.36	8.65
<i>LSD</i>	10.2	15.1	0.01	40.4	0.149	0.023	0.82	0.80	-	-	5.193	21.6
<i>mean</i>	63	353	33.5	587	3.53	1.05	26.9	79.7	-	-	49.09	173

[†] Within columns, bold values represent the uppermost grouping and are not statistically different from each other.

*Staple (32^{nds}) = Length (in) × 32

Tom Green County Dryland RACE Trial 2025

Variety	Stand Est. (%) [†]	Lint (lbs/ac)	Turnout (%)	Seed (lbs/ac)	Mic	Length (in)*	Strength (g/tex)	Unif.	Color	Leaf	Loan Value (¢/lb)	Lint Value
DP2239B3XF	94	388	33.9	589	4.20	1.08	26.8	80.5	21-3,21-3,11-4	3,3,3	52.27	203
DP2335B3XF	97	377	33.7	587	3.88	1.06	26.5	78.7	11-4,21-3,21-1	3,4,4	51.98	196
FM757AXTP	79	385	35.2	572	3.85	1.04	25.4	80.3	31-3,21-3,21-3	3,3,3	45.42	175
NG4507B3TXF	86	375	31.0	664	3.93	1.06	26.6	80.1	21-4,21-3,21-4	4,3,4	50.47	189
NG5430B3XF	88	451	37.5	668	4.27	1.05	27.1	80.3	12-2,12-2,22-1	2,3,3	50.93	230
PHY400W3FE	83	399	31.7	681	3.87	1.03	27.0	79.6	22-2,22-2,22-2	5,4,4	48.52	194
PHY415W3FE	89	381	30.8	667	4.18	1.06	28.1	80.6	32-1,22-2,32-1	5,4,4	50.47	192
ST6000AXTP	78	385	35.3	557	4.01	1.09	29.0	81.4	21-3,22-1,21-4	3,4,4	53.85	207
<i>P > F</i>	0.0004	0.21	<.0001	0.02	<.0001	0.003	0.003	0.02	-	-	0.01	0.21
<i>CV</i>	4.5	8.6	2.8	7.4	1.3	1.3	2.9	0.9	-	-	4.3	11.1
<i>LSD</i>	5.6	48.6	0.01	66.3	0.075	0.020	1.11	1.07	-	-	3.132	31.520
<i>mean</i>	87	393	33.6	623	4.03	1.06	27.1	80.2	-	-	50.49	198

[†] Within columns, bold values represent the uppermost grouping and are not statistically different from each other.

*Staple (32^{nds}) = Length (in) × 32

Tom Green County Irrigated RACE Trial 2025

Variety	Stand Est. (%) [†]	Lint (lbs/ac)	Turnout (%)	Seed (lbs/ac)	Mic	Length (in)*	Strength (g/tex)	Unif.	Loan Value (¢/lb)	Lint Value
DP2239B3XF	90	1159	43.6	1273	4.23	1.17	28.0	81.6	53.85	624
DP2335B3XF	90	1068	43.3	1177	3.66	1.14	28.0	79.6	53.05	567
FM814AXTP	73	1134	43.9	1263	4.11	1.15	28.2	81.2	53.79	610
NG4507B3TXF	94	1288	42.3	1526	4.21	1.11	26.3	80.7	53.58	690
NG5430B3XF	83	1103	42.1	1342	3.84	1.12	28.4	80.5	53.50	590
PHY332W3FE	100	1376	41.5	1678	4.35	1.12	28.5	82.0	53.59	737
PHY415W3FE	100	1406	42.5	1656	4.42	1.12	28.2	80.9	53.38	751
ST6000AXTP	51	1203	45.4	1251	4.33	1.17	28.3	81.4	53.88	648
<i>P > F</i>	<.0001	0.003	0.27	<.0001	0.007	0.002	0.25	0.005	0.06	0.004
<i>CV</i>	14.6	9.7	5.0	8.3	6.5	1.9	4.3	0.9	0.7	9.9
<i>LSD</i>	16.9	143.5	0.03	141.7	0.328	0.026	1.47	0.88	0.435	78.3
<i>mean</i>	96	1217	43.1	1396	4.14	1.14	28.0	81.0	53.58	652

† Within columns, bold values represent the uppermost grouping and are not statistically different from each other.

*Staple (32^{nds}) = Length (in) × 32

2024 RACE Trial Results

Glasscock County Irrigated RACE Trial – 2024

Variety	Stand Est. (%)	Lint (lbs/ac)	Turnout (%)	Mic	Length (in)	Strength (g/tex)	Unif.	Color	Leaf	Loan Value (¢/lb)
ST 6000 AXTP	57	465	35.0	4.8	1.081	32.7	79.9	31-1	3	54.15
NG 4409 B3XF	65	426	31.8	4.84	1.041	28.3	79.7	21-2	3	50.55
DP 2239 B3XF	68	423	33.9	4.93	1.045	27.4	78.4	21-1	2	52.95
DP 2335 B3XF	66	423	34.0	4.55	1.048	30	79	31-1	3	52.55
NG 5430 B3XF	63	402	32.9	4.82	1.035	29.7	79.6	31-1	2	50.3
PHY 415 W3FE	72	399	32.7	4.73	1.051	32.3	80.3	31-1	4	52.9
PHY 332 W3FE	67	359	30.5	4.74	1.057	29.8	80.5	21-4	3	53.35
FM 823 AXTP	60	354	32.5	4.73	1.028	31.1	79.5	31-1	3	50.45
mean	65	406	32.9	4.77	1.048	30.2	79.6	-	-	52.15

All 3 replications were harvested as one round module, so no statistics are available.

Fisher County Irrigated RACE Trial – 2024

Variety	Stand Est. (%)	Lint (lbs/ac)	Turnout (%)	Seed (lbs/ac)	Mic	Length (in)	Strength (g/tex)	Unif.	Color	Leaf	Loan Value (¢/lb)
NG 5430 B3XF	79	1014	34.5	1415	4.36	1.04	27.2	77.8	21-4,21-1,21-4	2,2,2	50.6
DP 2239 B3XF	89	1000	36.2	1303	4.14	1.04	26.7	76.5	21-1,21-1,21-3	3,2,2	51.4
DP 2335 B3XF	84	983	33.5	1315	3.92	1.03	26.6	76.5	21-1,21-2,21-2	3,3,3	49.2
PHY 332 W3FE	97	974	31.8	1439	4.26	1.05	28	77.6	21-4,21-1,21-4	2,2,2	51.3
PHY 415 W3FE	86	896	31.4	1340	4.2	1.04	28.3	77	21-1,21-2,21-3	2,2,3	51.3
NG 4409 B3XF	83	879	32.8	1186	4.32	1.03	27.4	77.4	21-3,21-3,21-3	3,3,2	50.7
FM 823 AXTP	92	848	31.6	1179	4.18	1.07	29.2	79.3	21-2,21-2,21-4	3,3,3	53.4
ST 6000 AXTP	76	829	32.9	1067	4.18	1.05	28.2	78.6	21-2,21-4,22-1	2,3,2	50.3
<i>P > F</i>	0.012	0.05	0.009	0.013	0.061	0.076	<i>0.143</i>	0.0054	-	-	0.72
<i>CV</i>	6.7	8.2	4.09	8.6	3.5	1.6	4	1	-	-	5.1
<i>LSD</i>	8.3	109	1.9	158	0.21	0.02	1.6	1.1	-	-	3.7
mean	85.9	928	33.1	1280	4.19	1.04	27.7	77.6	-	-	51

**Dryland trials were low yielding and were hand-picked. Both of these factors contribute to variable data and high CV values.

Runnels County Dryland RACE Trial – 2024

Variety	Stand Est. (%)	Lint (lbs/ac)	Turnout (%)	Seed (lbs/ac)	Mic	Length (in)	Strength (g/tex)	Unif.	Color	Leaf	Loan Value (¢/lb)
FM 868 AXTP	91	181	40.1	240	5.09	0.96	28.5	78.2	21-3,21-3,21-4	1,1,2	45.9
NG 4409 B3XF	75	168	37.1	244	4.75	0.95	26.6	77.7	22-1,22-1,22-1	1,2,2	44.1
DP 2335 B3XF	91	164	39.7	210	5	0.98	28.7	78.1	11-1,11-2,21-1	2,1,1	47.2
ST 6000 AXTP	78	153	41.1	224	4.95	0.98	29.5	78.9	21-1,21-3,11-2	2,2,2	47.1
PHY 332 W3FE	99	147	36.2	263	4.92	0.97	28.1	78.1	21-1,21-3,11-2	2,2,2	47
PHY 443 W3FE	94	134	35.8	197	5.34	0.96	28.4	79.3	22-1,21-3,21-3	1,2,2	44.4
DP 2239 B3XF	92	127	39.6	162	5.02	1.02	27.9	78.6	11-2,11-2,11-3	1,1,1	47.3
NG 5430 B3XF	89	116	37.8	164	4.82	0.95	27.5	78.5	21-3,21-1,21-1	1,1,2	46.7
<i>P > F</i>	0.083	<i>0.54</i>	0.011	<i>0.72</i>	<i>0.2</i>	<i>0.56</i>	<i>0.24</i>	<i>0.58</i>	-	-	<i>0.55</i>
<i>CV</i>	9.6	27.4	4.34	35.4	4.9	4.5	4.3	1.2	-	-	5.1
<i>LSD</i>	13.2	59	2.4	-	0.35	0.06	1.74	1.4	-	-	3.4
mean	88.7	149	38.4	215	4.98	0.97	28.2	78.4	-	-	46.2

**Dryland trials were low yielding and were hand-picked. Both of these factors contribute to variable data and high CV values.

Tom Green County Irrigated RACE Trial – 2024

Variety	Stand Est. (%)	Lint (lbs/ac)	Turnout (%)	Seed (lbs/ac)	Mic	Length (in)	Strength (g/tex)	Unif.	Color	Leaf	Loan Value (¢/lb)
DP 2335 B3XF	98	542	26.8	864	4.29	1.07	29.6	78.2	21-1,21-1,31-1	3,3,4	52.9
DP 2239 B3XF	88	536	25.8	870	4.34	1.07	28	77.7	21-1,21-2,21-1	3,3,3	53.2
NG 5430 B3XF	92	521	27.4	859	4.47	1.05	29.1	79	21-2,21-2,21-2	2,3,3	51.8
PHY 332 W3FE	91	513	22.7	898	4.56	1.05	28.4	78.2	21-3,31-3,31-1	2,3,3	51.8
FM 823 AXTP	79	503	27.7	768	4.74	1.06	29.7	79.9	31-1,21-2,31-1	3,3,4	53.1
ST 6000 AXTP	91	487	29.3	697	4.54	1.07	30.3	79.5	31-1,31-1,31-1	3,4,3	53
NG 4409 B3XF	69	425	23.3	750	4.52	1.04	27.6	78.7	31-1,21-2,31-1	3,4,4	50.9
PHY 415 W3FE	99	411	21.4	722	4.25	1.05	29.1	79.3	32-1,32-1,31-4	4,5,5	48.1
<i>P > F</i>	0.0039	0.0078	0.0002	0.0059	<i>0.24</i>	<i>0.38</i>	<i>0.12</i>	0.049	-	-	0.0085
<i>CV</i>	7.98	8.2	5.94	7.6	5.2	2	3.8	1	-	-	2.8
<i>LSD</i>	10.6	57.7	2.2	87.9	0.33	0.03	1.6	1.1	-	-	2.1
mean	88.4	492	25.5	803	4.46	1.05	29.0	78.8	-	-	51.8