



Table 1. Cultural information for 2017 Extension large plot trial sites.

	Irrigated Cotton Inc Enhanced Variety	Irrigated Cotton Inc Enhanced DT Variety	Irrigated DT RACE		Dryland DT RACE	
	2 and 3	4 and 5	6 and 7	8 and 9	10 and 11	12 and 13
Table numbers	2 and 3	4 and 5	6 and 7	8 and 9	10 and 11	12 and 13
County-location	Custer - Hydro	Jackson - Altus	Tillman - Tipton	Jackson - Duke	Tillman - Davidson	Jackson - Altus
Cooperator	Merlin Schantz	Clint Abernathy	Mark Nichols	Drew Darby	Austin White	Clint Abernathy
Herbicide system	RRF and LL	dicamba	dicamba	dicamba	dicamba	dicamba
Tillage system	strip till	no-till	no-till	conventional till	strip till	no-till
Planter/Harvest width	8/8	12/6	12/6	8/4	8/8	12/6
Planting date	26-May	9-May	12-May	15-May	12-Jun	7-Jun
Seeding rate (seeds/acre)	46,000	40,000	40,000	39,000	28,000	26,000
Row spacing (inches)	36	38	40	40	40	38
Replicates	3	3	3	3	3	3
Harvested plot width (rows)	8	6	6	4	8	6
Harvested plot length (ft)	670	2,200	~1100 (variable)	~750 (variable)	~725 (variable)	2,400
Harvest date	29-Nov	17-Nov	20-Nov	4-Nov	22-Nov	16-Nov
Comments	pivot irrigation	drip irrigation	pivot irrigation	furrow irrigation	--	--
Harvester type	picker	moduling picker	moduling picker	stripper w/fc	stripper w/fc	moduling picker
Entries	DP 1639 B2XF DP 1612 B2XF	DP 1646 B2XF DP 1639 B2XF DP 1518 B2XF DP 1612 B2XF	DP 1646 B2XF DP 1639 B2XF	DP 1646 B2XF DP 1639 B2XF	DP 1646 B2XF DP 1639 B2XF	DP 1646 B2XF DP 1639 B2XF
	NG 5711 B3XF NG 4689 B2XF NG 3699 B2XF	NG 5711 B3XF NG 4689 B2XF NG 4545 B2XF NG 3699 B2XF	NG 5711 B3XF NG 4689 B2XF	NG 5711 B3XF NG 4689 B2XF	NG 5711 B3XF NG 4601 B2XF	NG 5711 B3XF NG 4601 B2XF
	CG 3475 B2XF	CG 3475 B2XF CL 9598 B3XF	CG 3475 B2XF CL 9598 B3XF	CG 3475 B2XF CL 9598 B3XF	CG 3475 B2XF CL 9598 B3XF	CG 3475 B2XF CL 9598 B3XF
	PHY 490 W3FE PHY 300 W3FE					
	ST 5020 GLT ST 5517 GLTP					
Grower's choice	--	--	DP 1518 B2XF	NG 4545 B2XF	DP 1522 B2XF	NG 4545 B2XF

Table 2. Harvest results from the Custer County irrigated Cotton Incorporated Enhanced Variety trial, Merlin Schantz Farm, Hydro, OK, 2017.

Entry	Lint turnout	Seed turnout	Bur cotton yield	Lint yield	Seed yield	Lint loan value	Lint value	Seed value	Total value	Ginning cost	Seed/tech cost	Net value	
	----- % -----		----- lb/acre -----			--\$/lb--			----- \$/acre -----				
PhytoGen PHY 300 W3FE	38.3	54.4	5024	1926	2733	0.5559	1071	157	1228	151	77	1000	a
Deltapine DP 1639 B2XF	41.9	51.1	4070	1706	2079	0.5559	948	120	1068	122	76	869	b
Stoneville ST 5517 GLTP	36.1	55.8	4780	1727	2668	0.5466	944	153	1097	143	88	866	b
Deltapine DP 1612 B2XF	37.6	54.3	4263	1601	2313	0.5549	888	133	1022	128	74	820	bc
PhytoGen PHY 490 W3FE	37.7	53.8	4216	1590	2270	0.5492	873	131	1004	127	77	800	bc
Stoneville ST 5020 GLT	37.0	55.4	4130	1530	2287	0.5569	852	132	984	124	74	785	c
NexGen NG 3699 B2XF	36.7	56.1	4066	1493	2281	0.5557	830	131	961	122	73	766	c
NexGen NG 4689 B2XF	37.2	54.9	4011	1490	2200	0.5572	830	127	957	120	73	763	c
Croplan CG 3475 B2XF	37.9	55.0	3955	1500	2177	0.5556	833	125	958	119	77	762	c
NexGen NG 5711 B3XF	39.0	53.4	3430	1337	1831	0.5354	715	105	820	103	73	644	d
Test average	37.9	54.4	4194	1590	2284	0.5523	878	131	1010	126	76	808	
CV, %	1.5	1.8	5.2	5.2	5.3	1.5	4.9	5.3	4.9	5.2	--	5.3	
OSL	<0.0001	0.0004	<0.0001	<0.0001	<0.0001	0.0727	<0.0001	<0.0001	<0.0001	<0.0001	--	<0.0001	
LSD	1.0	1.7	377	142	206	0.0114†	73	12	85	11	--	74	

For net value/acre, means within a column with the same letter are not significantly different.

CV - coefficient of variation.

OSL - observed significance level, or probability of a greater F value.

LSD - least significant difference at the 0.05 level, † indicates significance at the 0.10 level, NS - not significant.

Note: some columns may not add up due to rounding error.

Assumes:

\$3.00/cwt ginning cost.

\$115/ton for seed.

Value for lint based on CCC loan value from grab samples and FBRI HVI results.

Color grades set to 21, leaf grades set to 2 for entire trial.

Table 3. Harvest results from the Custer County irrigated Cotton Incorporated Enhanced Variety trial, Merlin Schantz Farm, Hydro, OK, 2017.

Entry	Final population	Final plant height	Storm resistance	Micronaire	Staple	Strength	Uniformity
	plants/acre	inches	1-9 visual scale*	units	32nds inch	g/tex	%
Croplan CG 3475 B2XF	39,567	37.3	4.0	4.3	39.0	31.2	84.4
Deltapine DP 1612 B2XF	41,382	35.8	4.0	4.1	39.3	31.0	83.5
Deltapine DP 1639 B2XF	36,663	39.4	3.7	4.3	38.6	32.5	83.4
NexGen NG 3699 B2XF	36,663	36.7	4.0	3.9	39.9	32.6	82.7
NexGen NG 4689 B2XF	42,108	40.3	4.0	4.2	39.1	34.3	84.2
NexGen NG 5711 B3XF	34,122	42.9	4.3	3.3	40.8	32.2	83.3
PhytoGen PHY 300 W3FE	43,560	37.8	4.3	3.9	38.6	31.1	83.3
PhytoGen PHY 490 W3FE	42,834	44.5	3.0	3.7	38.8	32.6	83.7
Stoneville ST 5020 GLT	38,478	36.8	3.7	4.1	41.2	32.1	84.1
Stoneville ST 5517 GLTP	40,293	37.1	5.0	3.6	39.1	31.0	81.7
Test average	39,567	38.9	4.0	3.9	39.4	32.0	83.4
CV, %	11.6	7.4	12.5	4.3	1.7	2.7	0.9
OSL	0.1184	0.0224	0.0152	<0.0001	0.0013	0.0044	0.0148
LSD	NS	5.0	0.9	0.3	1.2	1.5	1.3

CV - coefficient of variation.

OSL - observed significance level, or probability of a greater F value.

LSD - least significant difference at the 0.05 level, † indicates significance at the 0.10 level, NS - not significant.

*Visual storm resistance scale: 1=loose, 9=tight.

Assumes:

Color grades set to 21, leaf grades set to 2 for entire trial.

Table 4. Harvest results from the Jackson County irrigated Cotton Incorporated Enhanced Variety trial, Clint Abernathy Farm, Altus, OK, 2017.

Entry	Lint turnout	Seed turnout	Bur cotton yield	Lint yield	Seed yield	Lint loan value	Lint value	Seed value	Total value	Ginning cost	Seed/tech cost	Net value	
	----- % -----		----- lb/acre -----			--\$/lb--			----- \$/acre -----				
Deltapine DP 1646 B2XF	39.7	51.7	5209	2073	2694	0.5549	1150	155	1305	156	71	1078	a
Deltapine DP 1639 B2XF	40.2	51.1	4924	1981	2515	0.5562	1102	144	1246	148	66	1032	a
Deltapine DP 1518 B2XF	37.7	52.8	4933	1859	2605	0.5552	1032	150	1182	148	68	966	b
NexGen 5711 B3XF	37.2	54.6	4798	1786	2621	0.5552	992	151	1142	144	64	935	bc
NexGen NG 4689 B2XF	37.2	54.3	4808	1788	2613	0.5396	965	150	1116	144	64	908	bcd
NexGen NG 4545 B2XF	36.4	54.5	4822	1753	2629	0.5481	961	151	1112	145	60	907	bcd
Croplan CL 9598 B3XF	40.0	50.9	4471	1788	2277	0.5406	968	131	1098	134	67	897	cd
NexGen NG 3699 B2XF	35.5	54.8	4648	1648	2548	0.5556	916	146	1062	140	64	859	d
Deltapine DP 1612 B2XF	35.4	54.1	4248	1504	2298	0.5549	835	132	967	127	64	776	e
Croplan CG 3475 B2XF	35.6	53.6	3925	1398	2105	0.5541	774	121	896	118	67	711	f
Test average	37.5	53.3	4678	1758	2490	0.5514	969	143	1113	140	65	907	
CV, %	2.2	1.8	3.6	3.7	3.6	1.2	3.7	3.6	3.7	3.7	--	4.0	
OSL	<0.0001	0.0001	<0.0001	<0.0001	<0.0001	0.0394	<0.0001	<0.0001	<0.0001	<0.0001	--	<0.0001	
LSD	1.4	1.6	290	111	153	0.0118	62	9	70	9	--	62	

For net value/acre, means within a column with the same letter are not significantly different.

CV - coefficient of variation.

OSL - observed significance level, or probability of a greater F value.

LSD - least significant difference at the 0.05 level, † indicates significance at the 0.10 level, NS - not significant.

Note: some columns may not add up due to rounding error.

Assumes:

\$3.00/cwt ginning cost.

\$115/ton for seed.

Value for lint based on CCC loan value from grab samples and FBRI HVI results.

Color grades set to 21, leaf grades set to 2 for entire trial.

Table 5. Harvest results from the Jackson County irrigated Cotton Incorporated Enhanced Variety trial, Clint Abernathy Farm, Altus, OK, 2017.

Entry	Final population	Final plant height	Storm resistance	Micronaire	Staple	Strength	Uniformity
	plants/acre	inches	1-9 visual scale*	units	32nds inch	g/tex	%
Croplan CG 3475 B2XF	33,473	38.7	4.7	4.8	36.9	32.5	83.6
Croplan CL 9598 B3XF	27,971	38.7	4.0	4.9	39.4	32.5	84.2
Deltapine DP 1518 B2XF	36,224	39.7	5.0	4.7	38.7	31.5	83.8
Deltapine DP 1612 B2XF	30,263	36.3	5.0	4.8	37.8	32.2	83.7
Deltapine DP 1639 B2XF	30,263	44.7	4.0	4.6	38.3	32.9	84.1
Deltapine DP 1646 B2XF	27,512	39.7	4.0	4.4	41.0	31.1	83.4
NexGen 5711 B3XF	33,015	40.0	5.0	4.3	39.3	31.3	83.4
NexGen NG 3699 B2XF	27,053	38.0	4.0	4.7	39.6	34.5	83.2
NexGen NG 4545 B2XF	26,136	41.0	6.0	4.8	38.7	34.9	83.9
NexGen NG 4689 B2XF	30,722	41.0	6.0	5.0	37.9	35.0	83.3
Test average	30,263	39.8	4.8	4.7	38.7	32.8	83.7
CV, %	10.4	7.4	3.8	5.7	2.1	3.6	1.1
OSL	0.0186	0.1566	<0.0001	0.1251	0.0009	0.0032	0.9199
LSD	5,414	NS	0.3	NS	1.4	2.1	NS

CV - coefficient of variation.

OSL - observed significance level, or probability of a greater F value.

LSD - least significant difference at the 0.05 level, † indicates significance at the 0.10 level, NS - not significant.

*Visual storm resistance scale: 1=loose, 9=tight.

Assumes:

Color grades set to 21, leaf grades set to 2 for entire trial.

Table 6. Harvest results from the Tillman County irrigated RACE trial, Mark Nichols Farm, Tipton, OK, 2017.

Entry	Lint turnout	Seed turnout	Bur cotton yield	Lint yield	Seed yield	Lint loan value	Lint value	Seed value	Total value	Ginning cost	Seed/tech cost	Net value
	----- % -----		----- lb/acre -----			---\$/lb---			----- \$/acre -----			
Croplan CL 9598 B3XF	41.8	49.7	4983	2082	2476	0.5506	1146	142	1288	149	67	1072 a
Deltapine DP 1639 B2XF	41.0	49.8	4856	1991	2419	0.5532	1102	139	1241	146	66	1029 ab
Deltapine DP 1646 B2XF	40.7	50.6	4871	1981	2465	0.5501	1090	142	1232	146	71	1015 ab
NexGen NG 5711 B3XF	39.3	53.4	4708	1851	2513	0.5512	1020	145	1165	141	64	960 c
Deltapine DP 1518 B2XF	37.4	53.3	4909	1837	2616	0.5501	1010	150	1161	147	68	945 c
NexGen NG 4689 B2XF	37.8	53.3	4504	1702	2400	0.5541	943	138	1081	135	64	882 d
Croplan CG 3475 B2XF	37.4	53.1	4135	1546	2197	0.5509	852	126	978	124	67	787 e
Test average	39.3	51.9	4710	1856	2441	0.5514	1023	140	1164	141	67	956
CV, %	2.1	1.3	2.6	2.5	2.6	0.4	2.5	2.6	2.6	2.5	--	2.7
OSL	<0.0001	<0.0001	<0.0001	<0.0001	0.0002	0.3410	<0.0001	0.0002	<0.0001	<0.0001	--	<0.0001
LSD	1.5	1.2	215	83	113	NS	42	7	53	6	--	46

For net value/acre, means within a column with the same letter are not significantly different.

CV - coefficient of variation.

OSL - observed significance level, or probability of a greater F value.

LSD - least significant difference at the 0.05 level, † indicates significance at the 0.10 level, NS - not significant.

Note: some columns may not add up due to rounding error.

Assumes:

\$3.00/cwt ginning cost.

\$115/ton for seed.

Value for lint based on CCC loan value from grab samples and FBRI HVI results.

Color grades set to 21, leaf grades set to 2 for entire trial.

Table 7. Harvest results from the Tillman County irrigated RACE trial, Mark Nichols Farm, Tipton, OK, 2017.

Entry	Final population	Final plant height	Storm resistance	Micronaire	Staple	Strength	Uniformity
	plants/acre	inches	1-9 visual scale*	units	32nds inch	g/tex	%
Croplan CG 3475 B2XF	35,719	44.0	4.0	4.6	36.7	30.6	82.9
Croplan CL 9598 B3XF	32,670	44.8	3.3	4.5	39.0	29.5	82.5
Deltapine DP 1518 B2XF	29,621	43.4	4.3	4.1	38.1	27.9	83.0
Deltapine DP 1639 B2XF	31,363	48.7	3.7	4.6	38.3	30.6	84.0
Deltapine DP 1646 B2XF	32,670	48.2	4.3	4.4	40.0	29.0	82.6
NexGen NG 4689 B2XF	39,204	46.7	4.0	4.7	37.8	32.2	83.3
NexGen NG 5711 B3XF	35,284	54.0	4.3	3.9	38.8	29.5	81.9
Test average	33,790	47.1	4.0	4.4	38.4	29.9	82.9
CV, %	8.5	6.4	8.3	5.6	2.0	4.7	0.9
OSL	0.0264	0.0142	0.0197	0.0125	0.0050	0.0526	0.1083
LSD	5,132	5.4	0.6	0.4	1.4	2.0†	NS

CV - coefficient of variation.

OSL - observed significance level, or probability of a greater F value.

LSD - least significant difference at the 0.05 level, † indicates significance at the 0.10 level, NS - not significant.

*Visual storm resistance scale: 1=loose, 9=tight.

Assumes:

Color grades set to 21, leaf grades set to 2 for entire trial.

Table 8. Harvest results from the Jackson County irrigated RACE trial, Drew Darby Farm, Duke, OK, 2017.

Entry	Lint turnout	Seed turnout	Bur cotton yield	Lint yield	Seed yield	Lint loan value	Lint value	Seed value	Total value	Ginning cost	Seed/tech cost	Net value
	----- % -----		----- lb/acre -----			--\$/lb--			----- \$/acre -----			
Deltapine DP 1646 B2XF	36.0	46.9	4072	1464	1910	0.5501	806	110	915	122	69	724
Croplan CL 9598 B3XF	37.9	46.0	3754	1423	1726	0.5516	785	99	884	113	65	706
NexGen NG 4545 B2XF	34.2	50.8	4049	1384	2056	0.5462	756	118	874	121	59	694
Deltapine DP 1639 B2XF	34.7	45.8	4045	1405	1854	0.5497	772	107	879	122	65	693
NexGen NG 4689 B2XF	33.5	50.0	4097	1373	2048	0.5502	756	118	873	123	62	689
Croplan CG 3475 B2XF	33.2	50.6	3981	1321	2013	0.5511	728	116	843	119	65	659
NexGen NG 5711 B3XF	35.8	48.9	3581	1282	1752	0.5514	707	101	808	107	62	638
Test average	35.0	48.4	3940	1379	1909	0.5500	758	110	868	118	64	686
CV, %	2.6	1.0	4.4	4.4	4.4	0.6	4.7	4.4	4.7	4.3	--	5.1
OSL	0.0005	<0.0001	0.0232	0.0452	0.0013	0.5889	0.0752	0.0013	0.1309	0.0179	--	0.1433
LSD	1.6	0.8	309	108	151	NS	52†	9	NS	9	--	NS

For net value/acre, means within a column with the same letter are not significantly different.

CV - coefficient of variation.

OSL - observed significance level, or probability of a greater F value.

LSD - least significant difference at the 0.05 level, † indicates significance at the 0.10 level, NS - not significant.

Note: some columns may not add up due to rounding error.

Assumes:

\$3.00/cwt ginning cost.

\$115/ton for seed.

Value for lint based on CCC loan value from grab samples and FBRI HVI results.

Color grades set to 21, leaf grades set to 2 for entire trial.

Table 9. Harvest results from the Jackson County irrigated RACE trial, Drew Darby Farm, Duke, OK, 2017.

Entry	Final population	Final plant height	Storm resistance	Micronaire	Staple	Strength	Uniformity
	plants/acre	inches	1-9 visual scale*	units	32nds inch	g/tex	%
Croplan CG 3475 B2XF	33,105	23.9	4.7	4.5	37.2	30.1	83.5
Croplan CL 9598 B3XF	23,522	27.9	4.3	4.7	38.1	29.5	83.3
Deltapine DP 1639 B2XF	21,345	26.5	4.7	4.8	36.9	30.7	83.7
Deltapine DP 1646 B2XF	26,136	25.8	4.3	4.4	39.6	28.7	82.4
NexGen NG 4545 B2XF	27,443	27.1	5.3	4.8	36.3	30.0	82.3
NexGen NG 4689 B2XF	28,749	26.4	5.7	4.8	37.2	31.0	82.9
NexGen NG 5711 B3XF	20,909	27.9	4.7	4.1	39.0	29.6	82.1
Test average	25,887	26.5	4.8	4.6	37.8	29.9	82.9
CV, %	11.9	4.7	10.6	3.9	1.5	3.7	0.6
OSL	0.0042	0.0261	0.0446	0.0019	<0.0001	0.2766	0.0093
LSD	5,480	2.2	0.9	0.3	1.0	NS	0.9

CV - coefficient of variation.

OSL - observed significance level, or probability of a greater F value.

LSD - least significant difference at the 0.05 level, † indicates significance at the 0.10 level, NS - not significant.

*Visual storm resistance scale: 1=loose, 9=tight.

Assumes:

Color grades set to 21, leaf grades set to 2 for entire trial.

Table 10. Harvest results from the Tillman County dryland RACE trial, Austin White Farm, Davidson, OK, 2017.

Entry	Lint turnout	Seed turnout	Bur cotton yield	Lint yield	Seed yield	Lint loan value	Lint value	Seed value	Total value	Ginning cost	Seed/tech cost	Net value
	----- % -----		----- lb/acre -----			--\$/lb--			----- \$/acre -----			
Deltapine DP 1646 B2XF	32.8	44.7	2401	787	1073	0.5507	433	62	495	72	49	374 a
Croplan CL 9598 B3XF	33.3	44.7	2355	784	1053	0.5467	429	61	489	71	47	372 a
Deltapine DP 1639 B2XF	32.9	43.6	2258	744	984	0.5462	406	57	463	68	46	349 ab
Croplan CG 3475 B2XF	29.7	45.8	2350	698	1076	0.5431	379	62	441	70	47	323 bc
Deltapine DP 1522 B2XF	31.2	47.4	2236	697	1060	0.5384	375	61	436	67	48	321 bc
NexGen NG 4601 B2XF	31.8	44.3	2099	668	930	0.5469	366	54	419	63	45	311 c
NexGen NG 5711 B3XF	31.3	47.8	2045	640	976	0.5429	348	56	403	61	45	298 c
Test average	31.8	45.5	2249	717	1022	0.5450	391	59	449	67	47	335
CV, %	2.7	1.5	3.6	3.6	3.5	1.5	4.6	3.6	4.4	3.7	--	5.2
OSL	0.0037	<0.0001	0.0010	<0.0001	0.0015	0.6468	0.0004	0.0019	0.0007	0.0012	--	0.0008
LSD	1.6	1.3	143	47	64	NS	32	4	35	4	--	31

For net value/acre, means within a column with the same letter are not significantly different.

CV - coefficient of variation.

OSL - observed significance level, or probability of a greater F value.

LSD - least significant difference at the 0.05 level, † indicates significance at the 0.10 level, NS - not significant.

Note: some columns may not add up due to rounding error.

Assumes:

\$3.00/cwt ginning cost.

\$115/ton for seed.

Value for lint based on CCC loan value from grab samples and FBRI HVI results.

Color grades set to 21, leaf grades set to 2 for entire trial.

Table 11. Harvest results from the Tillman County dryland RACE trial, Austin White Farm, Davidson, OK, 2017.

Entry	Final population	Final plant height	Storm resistance	Micronaire	Staple	Strength	Uniformity
	plants/acre	inches	1-9 visual scale*	units	32nds inch	g/tex	%
Croplan CG 3475 B2XF	23,958	33.5	5.0	3.7	35.7	30.3	81.8
Croplan CL 9598 B3XF	23,523	34.5	5.0	4.2	36.0	29.5	82.6
Deltapine DP 1522 B2XF	25,700	36.7	5.3	3.8	35.3	30.2	81.7
Deltapine DP 1639 B2XF	25,265	36.9	4.3	4.4	36.1	32.6	82.7
Deltapine DP 1646 B2XF	24,393	37.0	5.3	3.7	38.1	29.7	81.3
NexGen NG 5711 B3XF	23,523	35.9	5.7	3.6	37.0	30.2	80.6
NexGen NG 4601 B2XF	24,829	36.3	5.0	3.7	36.0	29.7	81.0
Test average	24,456	35.8	5.1	3.9	36.3	30.3	81.7
CV, %	9.3	6.8	8.0	3.6	1.7	3.8	0.7
OSL	0.8506	0.5236	0.0433	<0.0001	0.0030	0.0849	0.0077
LSD	NS	NS	0.7	0.2	1.1	1.7†	1.1

CV - coefficient of variation.

OSL - observed significance level, or probability of a greater F value.

LSD - least significant difference at the 0.05 level, † indicates significance at the 0.10 level, NS - not significant.

*Visual storm resistance scale: 1=loose, 9=tight.

Assumes:

Color grades set to 21, leaf grades set to 2 for entire trial.

Table 12. Harvest results from the Jackson County dryland RACE trial, Clint Abernathy Farm, Altus, OK, 2017.

Entry	Lint turnout	Seed turnout	Bur cotton yield	Lint yield	Seed yield	Lint loan value	Lint value	Seed value	Total value	Ginning cost	Seed/tech cost	Net value
	----- % -----		----- lb/acre -----			--\$/lb--			----- \$/acre -----			
Croplan CL 9598 B3XF	43.9	50.0	2700	1186	1351	0.5551	658	78	736	81	44	612 a
NexGen NG 4545 B2XF	39.8	54.5	2748	1093	1498	0.5519	603	86	690	82	39	568 a
Deltapine DP 1646 B2XF	42.8	51.1	2309	989	1179	0.5537	548	68	616	69	46	501 b
Croplan CG 3475 B2XF	38.7	53.8	2414	935	1298	0.5497	513	75	589	72	44	472 bc
NexGen NG 5711 B3XF	39.9	53.1	2239	893	1188	0.5532	494	68	562	67	41	454 bc
NexGen NG 4601 B2XF	41.7	51.6	2146	896	1108	0.5514	494	64	557	64	41	452 bc
Deltapine DP 1639 B2XF	42.3	50.7	2022	856	1026	0.5529	473	59	532	61	43	428 c
Test average	41.3	52.1	2368	978	1235	0.5526	540	71	612	71	43	498
CV, %	2.1	1.1	5.5	5.4	5.6	0.5	5.3	5.5	5.3	5.7	--	5.8
OSL	<0.0001	<0.0001	0.0001	<0.0001	<0.0001	0.4613	<0.0001	<0.0001	<0.0001	0.0001	--	<0.0001
LSD	1.6	1.0	233	94	123	NS	51	7	58	7	--	51

For net value/acre, means within a column with the same letter are not significantly different.

CV - coefficient of variation.

OSL - observed significance level, or probability of a greater F value.

LSD - least significant difference at the 0.05 level, † indicates significance at the 0.10 level, NS - not significant.

Note: some columns may not add up due to rounding error.

Assumes:

\$3.00/cwt ginning cost.

\$115/ton for seed.

Value for lint based on CCC loan value from grab samples and FBRI HVI results.

Color grades set to 21, leaf grades set to 2 for entire trial.

Table 13. Harvest results from the Jackson County dryland RACE trial, Clint Abernathy Farm, Altus, OK, 2017.

Entry	Final population	Final plant height	Storm resistance	Micronaire	Staple	Strength	Uniformity
	plants/acre	inches	1-9 visual scale*	units	32nds inch	g/tex	%
Croplan CG 3475B2XF	22,927	33.4	4.3	4.3	36.6	30.9	83.7
Croplan CL 9598 B3XF	13,756	35.6	4.3	4.8	37.4	31.8	83.6
Deltapine DP 1639 B2XF	13,756	35.2	4.7	4.2	36.8	32.1	83.7
Deltapine DP 1646 B2XF	16,966	35.3	4.0	4.0	39.2	30.2	83.4
NexGen NG 5711 B3XF	20,634	34.3	5.0	4.3	38.2	31.1	83.7
NexGen NG 4545 B2XF	21,551	37.6	5.7	4.7	36.9	31.4	82.8
NexGen NG 4601 B2XF	21,092	34.4	4.3	4.5	37.6	32.6	83.4
Test average	18,669	35.1	4.6	4.4	37.5	31.5	83.5
CV, %	26.4	9.0	11.2	5.0	1.9	3.9	0.7
OSL	0.1824	0.7720	0.0317	0.0089	0.0082	0.3314	0.5413
LSD	NS	NS	0.9	0.4	1.3	NS	NS

CV - coefficient of variation.

OSL - observed significance level, or probability of a greater F value.

LSD - least significant difference at the 0.05 level, † indicates significance at the 0.10 level, NS - not significant.

*Visual storm resistance scale: 1=loose, 9=tight.

Assumes:

Color grades set to 21, leaf grades set to 2 for entire trial.

Table 14. Lint yield results from the Extension large plot trials, 2017.

County ==>	Custer	Jackson	Tillman	Jackson	Tillman	Jackson	3 Irrigated
Project Type ==>	CI EVT	DT CI EVT	DT RACE	DT RACE	DT RACE	DT RACE	Site
Irrigation Type ==>	Pivot	Drip	Pivot	Furrow	--	--	Mean
Location ==>	Hydro	Altus	Tipton	Duke	Davidson	Altus	for Common
Cooperator ==>	Schantz	Abernathy	Nichols	Darby	White	Abernathy	Entries
Entry	----- Lint yield (lb/acre) -----						
DP 1518 B2XF		1859	1837				
DP 1522 B2XF					697		
DP 1612 B2XF	1581	1504					
DP 1639 B2XF	1726	1981	1991	1405	744	856	1792
DP 1646 B2XF		2073	1981	1464	787	989	1839
NG 3699 B2XF	1570	1648					
NG 4545 B2XF		1753		1384		1093	
NG 4601 B2XF					668	896	
NG 4689 B2XF	1565	1788	1702	1373			1621
NG 5711 B3XF	1357	1786	1851	1282	640	893	1640
CG 3475 B2XF	1499	1398	1546	1321	698	935	1422
CL 9598 B3XF		1788	2082	1423	784	1186	1764
Test average	1550	1758	1856	1379	717	978	1680
CV, %	6.1	3.7	2.5	4.4	3.6	5.4	--
OSL	<0.0001	<0.0001	<0.0001	0.0452	<0.0001	<0.0001	--
LSD	142	111	83	108	47	94	--

CV - coefficient of variation.

OSL - observed significance level, or probability of a greater F value.

LSD - least significant difference at the 0.05 level, † indicates significance at the 0.10 level, NS - not significant.