



Table 1. Cultural information for 2016 OSU Extension large-plot trial sites.

	Irrigated Cotton Inc Enhanced Variety		Irrigated RACE		Dryland RACE	
Table numbers	2 and 3	4 and 5	6 and 7	8 and 9	10 and 11	12 and 13
County and location	Custer - Hydro	Jackson - Altus	Harmon - Hollis	Jackson - Duke	Washita - Elk City	Jackson - Altus
Cooperator	Merlin Schantz	Clint Abernathy	Tony Cox	Drew Darby	Danny Davis	Clint Abernathy
Tillage system	terminated cover/strip till	no-till	terminated cover/strip till	conventional till	terminated cover/no-till	no-till
Herbicide System	RRF and LL	RRF	XtendFlex Entries Only	RRF and LL	XtendFlex Entries Only	RRF
Planting date	26-May	27-May	27-May	31-May	25-May	9-Jun
Seeding rate (seeds/acre)	50,000	40,000	42,000	45,000	28,000	28,500
Row spacing (inches)	36	38	40	40	40	38
Replicates planted	4	3	3	3	3	3
Replicates harvested	3	3	3	3	3	3
Planter width (rows)	16	12	16	8	12	12
Plot width (rows)	8	6	8	4	6	6
Harvested plot length (ft)	600	2,250	variable (1,200-1,720)	variable (720-760)	1,090	2,400
Harvest date	11-Nov	26-Oct	28-Oct	15-Nov	4-Nov	21-Nov
Final stand count date	16-Jun	15-Jun	15-Jun	28-Jun	16-Jun	28-Jun
Final plant height date	11-Nov	24-Oct	24-Oct	24-Oct	4-Nov	24-Oct
Storm resistance rating date	11-Nov	26-Oct	28-Oct	15-Nov	4-Nov	21-Nov
Comments	pivot irrigation	drip irrigation	drip irrigation	furrow irrigation	harvested by Robert Luttmer	
Bacterial blight infection level	light	light	severe	none	none	moderate
Harvester type	basket picker	moduling picker	JD 7460 with FC	JD 7460 with FC	JD 7450 with FC	moduling picker
Entries	NG 3406 B2XF DP 1522 B2XF PHY 490 W3FE CG 3475 B2XF FM 1911 GLT ST 4848 GLT	NG 3406 B2XF DP 1639 B2XF PHY 333 WRF CG 3475 B2XF FM 1911 GLT ST 4848 GLT	NG 3406 B2XF NG 4545 B2XF DP 1522 B2XF DP 1639 B2XF CG 3475 B2XF CG 3885 B2XF	NG 3406 B2XF DP 1522 B2XF PHY 490 W3FE CG 3885 B2XF FM 1911 GLT ST 4848 GLT	NG 3406 B2XF NG 4545 B2XF DP 1522 B2XF DP 1549 B2XF CG 3475 B2XF CG 3885 B2XF	NG 3406 B2XF DP 1549 B2XF PHY 333 WRF CG 3885 B2XF FM 2007 GLT ST 4946 GLB2
Local Standard 1	ST 4946 GLB2	ST 4946 GLB2				
Local Standard 2	DP 1518 B2XF	DP 1522 B2XF				
Local Standard 3	FM 1830 GLT	FM 1830 GLT				
Grower's choice	PHY PXAST34 W3FE	PHY 490 W3FE	DP 1646 B2XF	ST 4946 GLB2	DP 1646 B2XF	NG 4545 B2XF

Provided by:
 Dr. Randy Boman
 OSU Southwest Research and Extension Center, Altus
 (580) 482-2120

Table 2. Harvest results from the Custer County irrigated Cotton Incorporated Enhanced Variety trial, Merlin Schantz Farm, Hydro, OK, 2016.

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 -----				
PHY490W3FE	37.8	53.2	5753	2173	3064	0.5798	1260	268	1528	172	75	1280	a
DP1518B2XF	38.4	53.7	5614	2154	3016	0.5800	1249	264	1513	168	77	1267	ab
DP1522B2XF	38.3	53.4	5617	2152	2998	0.5722	1231	262	1494	169	77	1248	abc
ST4946GLB2	36.5	54.0	5762	2105	3114	0.5793	1220	272	1492	173	80	1240	abc
ST4848GLT	39.2	51.4	5465	2145	2810	0.5800	1244	246	1490	164	92	1234	abc
CG3475B2XF	37.2	54.6	5601	2086	3057	0.5797	1209	267	1477	168	79	1229	abc
GCPHYXAST34W3FE	38.1	54.0	5546	2111	2994	0.5658	1195	262	1457	166	75	1216	bc
NG3406B2XF	37.6	54.7	5407	2033	2957	0.5800	1179	259	1438	162	72	1204	c
FM1830GLT	37.7	52.9	4972	1873	2630	0.5802	1086	230	1317	149	80	1087	d
FM1911GLT	37.9	53.3	4778	1813	2545	0.5790	1050	223	1272	143	80	1049	d
Test average	37.9	53.5	5452	2064	2919	0.5776	1192	255	1448	163	79	1205	
CV, %	1.8	1.9	2.4	2.4	2.4	1.6	2.9	2.4	2.8	2.4	--	3.0	
OSL	0.0135	0.0391	<0.0001	<0.0001	<0.0001	0.6068	<0.0001	<0.0001	<0.0001	<0.0001	--	<0.0001	
LSD	1.2	1.7	224	85	120	NS	59	11	68	7	--	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.

\$175/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, 2016.

Entry	Final population	Final plant height	Storm resistance	Micronaire	Staple	Strength	Uniformity
	plants/acre	inches	1-9 visual scale*	units	32nds inch	g/tex	%
CG3475B2XF	50,820	38.2	3.7	4.7	38.2	32.6	84.3
DP1518B2XF	46,464	45.1	5.3	4.2	40.1	30.5	84.4
DP1522B2XF	50,820	39.9	6.0	4.6	39.4	32.0	84.4
FM1830GLT	51,304	37.4	4.7	4.2	41.3	33.2	83.0
FM1911GLT	50,820	36.0	8.3	4.3	40.4	31.5	84.5
GCPHYXAST34W3FE	50,336	37.5	7.7	4.8	37.8	32.4	84.4
NG3406B2XF	46,464	37.9	5.7	4.4	38.6	31.5	84.6
PHY490W3FE	49,852	46.8	6.0	4.4	38.6	32.7	84.5
ST4848GLT	52,272	39.3	4.7	4.2	39.3	31.8	83.7
ST4946GLB2	48,884	36.6	6.3	4.6	39.0	32.6	84.1
Test average	49,804	39.5	5.8	4.4	39.3	32.1	84.2
CV, %	5.4	6.1	13.3	6.4	2.1	4.6	1.0
OSL	0.1802	0.0003	<0.0001	0.1035	0.0021	0.5917	0.3851
LSD	NS	4.1	1.3	NS	1.4	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 4. Harvest results from the Jackson County irrigated Cotton Incorporated Enhanced Variety trial, Clint Abernathy Farm, Altus, OK, 2016.

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 -----				
DP1639B2XF	40.6	49.9	4733	1920	2360	0.5583	1072	207	1278	142	60	1077	a
PHY490W3FE	37.6	53.3	4771	1793	2541	0.5802	1040	222	1262	143	60	1059	a
ST4946GLB2	35.8	55.6	4894	1754	2723	0.5812	1019	238	1258	147	64	1047	ab
FM1830GLT	38.1	53.3	4456	1697	2373	0.5815	987	208	1195	134	64	997	bc
PHY333WRF	38.5	53.5	4385	1687	2346	0.5793	978	205	1183	132	60	992	c
NG3406B2XF	36.7	54.7	4538	1665	2483	0.5787	963	217	1181	136	57	987	c
ST4848GLT	38.7	52.3	4422	1711	2312	0.5725	979	202	1182	133	74	976	cd
DP1522B2XF	37.3	53.8	4470	1666	2403	0.5645	940	210	1151	134	62	955	cde
CG3475B2XF	36.0	55.0	4494	1619	2473	0.5652	915	217	1131	135	63	933	de
FM1911GLT	37.1	54.8	4239	1572	2322	0.5728	900	203	1103	127	64	912	e
Test average	37.6	53.6	4540	1708	2434	0.5734	979	213	1192	136	63	993	
CV, %	1.5	1.1	3.0	3.0	3.1	1.6	2.9	3.0	2.9	3.1	--	3.1	
OSL	<0.0001	<0.0001	0.0005	<0.0001	<0.0001	0.0485	<0.0001	<0.0001	<0.0001	0.0006	--	<0.0001	
LSD	1.0	1.0	236	87	128	0.0155	49	11	59	7	--	53	

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.

\$175/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, 2016.

Entry	Final population	Final plant height	Storm resistance	Micronaire	Staple	Strength	Uniformity
	plants/acre	inches	1-9 visual scale*	units	32nds inch	g/tex	%
CG3475B2XF	42,644	29.6	4.0	5.0	38.5	32.8	84.7
DP1522B2XF	38,058	36.9	4.7	5.0	38.2	32.8	84.4
DP1639B2XF	39,892	39.8	4.3	5.1	38.8	33.3	85.5
FM1830GLT	34,390	30.8	5.3	4.6	41.5	34.6	85.6
FM1911GLT	36,224	32.3	8.0	4.9	39.8	33.9	84.4
NG3406B2XF	38,517	32.3	5.3	4.7	37.9	30.6	84.9
PHY333WRF	38,975	38.6	4.3	4.5	39.8	33.4	83.8
PHY490W3FE	39,434	36.1	4.3	4.8	38.4	34.5	83.9
ST4848GLT	36,682	33.3	5.0	4.8	38.4	32.5	84.1
ST4946GLB2	34,390	30.9	6.7	4.7	39.5	32.7	85.6
Test average	37,921	34.1	5.2	4.8	39.1	33.1	84.7
CV, %	9.0	5.5	7.7	2.9	2.1	3.2	1.0
OSL	0.1624	<0.0001	<0.0001	0.0009	0.0013	0.0124	0.1317
LSD	NS	3.2	0.7	0.2	1.4	1.8	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 Harmon County irrigated RACE trial, Tony Cox Farm, Hollis, OK, 2016.

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 -----			
DP1639B2XF	32.6	44.0	6485	2112	2853	0.5647	1193	250	1442	195	62	1185 a
NG4545B2XF	29.9	50.6	5931	1776	2999	0.5805	1031	262	1294	178	60	1056 b
GCDP1646B2XF	31.9	46.0	5768	1840	2653	0.5527	1016	232	1248	173	65	1010 bc
CG3475B2XF	30.9	50.2	5329	1648	2674	0.5808	958	234	1191	160	67	965 c
NG3406B2XF	30.3	49.0	4646	1406	2276	0.5567	783	199	982	139	60	782 d
DP1522B2XF	29.1	48.8	4806	1400	2347	0.5585	781	205	987	144	65	778 d
CG3885B2XF	29.4	47.2	4385	1288	2069	0.5387	694	181	875	132	67	677 e
Test average	30.6	48.0	5336	1639	2553	0.5618	922	223	1146	160	64	922
CV, %	2.4	1.9	4.0	3.9	4.0	2.4	4.0	4.1	3.9	4.0	--	4.2
OSL	0.0007	<0.0001	<0.0001	<0.0001	<0.0001	0.0211	<0.0001	<0.0001	<0.0001	<0.0001	--	<0.0001
LSD	1.3	1.6	379	114	183	0.0236	65	16	79	11	--	69

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.

\$175/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 Harmon County irrigated RACE trial, Tony Cox Farm, Hollis, OK, 2016.

Entry	Final population	Final plant height	Storm resistance	Micronaire	Staple	Strength	Uniformity
	plants/acre	inches	1-9 visual scale*	units	32nds inch	g/tex	%
CG3475B2XF	45,738	28.8	4.0	3.9	38.5	33.3	83.4
CG3885B2XF	45,302	37.4	4.3	3.1	37.4	30.7	82.8
DP1522B2XF	41,818	31.1	3.7	3.3	37.7	31.1	82.5
DP1639B2XF	44,431	32.8	3.7	3.4	38.6	31.0	83.1
GCDP1646B2XF	43,124	31.5	4.7	3.2	41.8	29.9	82.6
NG3406B2XF	44,867	30.0	5.7	3.4	37.4	29.4	82.4
NG4545B2XF	45,738	31.8	4.7	4.0	38.5	33.5	82.4
Test average	44,431	31.9	4.4	3.5	38.6	31.3	82.7
CV, %	7.9	8.5	14.4	5.2	1.9	3.9	1.4
OSL	0.7834	0.0455	0.0243	0.0002	0.0001	0.0082	0.9136
LSD	NS	4.8	1.1	0.3	1.3	2.2	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, 2016.

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 -----				
GCST4946GLB2	34.7	49.5	4266	1480	2113	0.5762	852	185	1038	128	72	838	a
PHY490W3FE	34.1	46.7	4118	1404	1921	0.5792	813	168	981	124	67	790	ab
NG3406B2XF	34.1	48.8	4095	1398	1998	0.5730	801	175	976	123	64	789	ab
FM1911GLT	35.2	47.9	3808	1339	1823	0.5767	772	160	931	114	72	745	bc
DP1522B2XF	35.0	48.3	3743	1311	1808	0.5780	757	158	916	112	69	734	bcd
CG3885B2XF	34.7	47.6	3744	1299	1783	0.5727	744	156	900	112	72	716	cd
ST4848GLT	35.1	46.7	3571	1254	1666	0.5747	721	146	866	107	83	676	d
Test average	34.7	47.9	3906	1355	1873	0.5758	780	164	944	117	71	755	
CV, %	2.2	1.7	4.3	4.4	4.3	0.6	4.5	4.3	4.5	4.3	--	4.9	
OSL	0.4968	0.0065	0.0027	0.0084	0.0004	0.1949	0.0096	0.0003	0.0057	0.0024	--	0.0035	
LSD	NS	1.4	301	105	142	NS	852	12	75	9	--	66	

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.

\$175/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, 2016.

Entry	Final population	Final plant height	Storm resistance	Micronaire	Staple	Strength	Uniformity
	plants/acre	inches	1-9 visual scale*	units	32nds inch	g/tex	%
CG3885B2XF	39,204	26.9	3.3	4.3	36.3	29.3	82.7
DP1522B2XF	36,155	26.6	4.0	4.4	37.4	30.9	83.1
FM1911GLT	42,689	25.7	8.0	4.5	37.6	31.3	82.6
GCST4946GLB2	40,946	26.1	5.7	4.3	37.2	31.7	82.6
NG3406B2XF	45,302	25.1	4.7	4.2	36.6	28.9	82.2
PHY490W3FE	40,946	26.2	4.3	4.3	36.7	32.8	83.2
ST4848GLT	37,026	25.5	5.3	4.2	36.9	30.1	82.6
Test average	40,324	26.0	5.0	4.3	37.0	30.7	82.7
CV, %	11.1	9.6	8.3	3.9	2.4	4.2	1.1
OSL	0.2509	0.9698	<0.0001	0.5423	0.5540	0.0342	0.8277
LSD	NS	NS	0.7	NS	NS	2.3	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 10. Harvest results from the Washita County dryland RACE trial, Danny Davis Farm, Elk City, OK, 2016.

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 -----			
GCDP1646B2XF	34.8	45.3	3924	1365	1777	0.5705	780	156	935	118	43	775 a
DP1549B2XF	34.3	45.4	3897	1338	1771	0.5503	736	155	892	117	39	735 ab
CG3885B2XF	31.8	44.7	4049	1287	1811	0.5600	720	158	878	122	44	712 bc
DP1522B2XF	32.9	46.0	3900	1283	1795	0.5390	691	157	848	117	43	688 bcd
NG4545B2XF	32.3	46.9	3848	1243	1805	0.5367	667	158	825	115	40	670 cd
CG3475B2XF	32.7	45.0	3863	1264	1739	0.5248	663	152	816	116	44	655 cd
NG3406B2XF	32.3	45.3	3685	1192	1670	0.5490	654	146	800	111	40	650 d
Test average	33.0	45.5	3881	1282	1767	0.5472	702	155	856	116	42	698
CV, %	1.5	2.5	4.0	4.0	4.0	1.5	4.4	3.9	4.3	3.9	--	4.6
OSL	<0.0001	0.3586	0.2618	0.0210	0.2791	0.0004	0.0028	0.2295	0.0077	0.2336	--	0.0043
LSD	0.9	NS	274	90	NS	0.0147	55	NS	65	NS	--	58

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.

\$175/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 Washita County dryland RACE trial, Danny Davis Farm, Elk City, OK, 2016.

Entry	Final population	Final plant height	Storm resistance	Micronaire	Staple	Strength	Uniformity
	plants/acre	inches	1-9 visual scale*	units	32nds inch	g/tex	%
CG3475B2XF	28,750	30.9	5.7	5.5	34.9	32.6	82.9
CG3885B2XF	25,700	31.4	3.3	4.8	36.4	30.8	82.5
DP1522B2XF	26,136	30.8	4.7	5.4	36.8	31.7	82.7
DP1549B2XF	24,394	35.4	5.0	5.0	35.8	33.0	81.6
GCDP1646B2XF	25,265	34.0	4.3	4.8	38.9	31.2	83.4
NG3406B2XF	24,829	30.2	6.0	5.2	35.6	30.4	83.4
NG4545B2XF	26,136	36.3	6.0	5.4	35.5	33.7	82.5
Test average	25,887	32.7	5.0	5.2	36.3	31.9	82.7
CV, %	13.8	7.1	11.3	4.1	1.4	2.5	0.6
OSL	0.8152	0.0311	0.0007	0.0046	<0.0001	0.0021	0.0245
LSD	NS	4.1	1.0	0.4	0.9	1.4	1.0

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, 2016.

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 -----			
GCNG4545B2XF	36.9	52.8	3474	1283	1835	0.5705	732	161	893	104	41	748 a
DP1549B2XF	38.9	50.8	3235	1259	1642	0.5777	727	144	871	97	40	734 a
FM2007GLT	35.1	55.9	3420	1200	1912	0.5795	695	167	862	103	43	717 a
ST4946GLB2	36.4	54.4	3308	1206	1799	0.5785	698	157	855	99	45	710 a
NG3406B2XF	38.3	52.1	3111	1191	1622	0.5693	678	142	820	93	41	686 a
PHY333WRF	38.3	52.2	2997	1148	1563	0.5785	664	137	801	90	43	668 ab
CG3885B2XF	37.3	53.0	2761	1030	1464	0.5755	593	128	721	83	45	593 b
Test average	37.3	53.0	3187	1188	1691	0.5756	684	148	832	96	43	694
CV, %	1.6	1.1	6.5	6.4	6.7	1.0	6.5	6.7	6.5	6.5	--	6.9
OSL	<0.0001	<0.0001	0.0143	0.0280	0.0039	0.2857	0.0346	0.0041	0.0320	0.0138	--	0.0293
LSD	1.0	1.1	369	134	201	NS	79	18	96	11	--	85

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.

\$175/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, 2016.

Entry	Final population	Final plant height	Storm resistance	Micronaire	Staple	Strength	Uniformity
	plants/acre	inches	1-9 visual scale*	units	32nds inch	g/tex	%
CG3885B2XF	27,970	37.3	5.7	4.5	37.4	30.4	82.9
DP1549B2XF	28,429	34.7	4.7	4.5	37.1	33.3	81.9
FM2007GLT	27,512	32.6	7.3	4.2	40.5	32.8	82.5
GCNG4545B2XF	28,887	35.4	4.3	4.9	36.9	35.0	83.2
NG3406B2XF	27,054	31.7	4.3	4.6	35.9	30.6	83.2
PHY333WRF	27,512	36.6	3.7	4.4	37.7	30.8	83.8
ST4946GLB2	24,302	31.7	6.0	4.6	36.8	33.6	83.7
Test average	27,381	34.3	5.1	4.5	37.5	32.4	83.0
CV, %	10.0	6.8	11.2	2.9	1.9	3.1	0.7
OSL	0.5307	0.0494	<0.0001	0.0007	<0.0001	0.0005	0.0285
LSD	NS	4.1	1.0	0.2	1.1	1.8	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.