



Table 1. Harvest results from the Beckham County small plot replicated trial, Darrell and Sherry Gamble Farm, Erick, Oklahoma, 2011.

Entry	Lint turnout	Seed turnout	Burr 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 -----			
PHY 499 WRF	29.2	45.7	3628	1059	1657	0.5716	605	249	854	109	74	671 a
CG 3787 B2RF	26.8	46.2	3021	991	1712	0.5751	570	257	827	111	75	640 ab
FM 1740 B2F	27.1	46.6	3667	992	1707	0.5649	561	256	817	110	75	632 ab
CG 3156 B2RF	26.3	46.2	3804	1000	1757	0.5414	542	264	806	114	74	617 abc
PHY 367 WRF	24.8	45.1	4124	900	1669	0.5760	518	250	768	111	71	586 abc
ST 5458 B2RF	27.3	48.4	3308	905	1603	0.5715	517	241	758	99	74	585 abc
DP 1133 B2RF	26.0	43.9	3537	917	1554	0.5771	529	233	762	106	74	582 abc
AT Dinero B2RF	25.1	48.6	3387	850	1646	0.5704	485	247	732	102	65	565 abcd
DP 1032 B2RF	27.5	44.3	3041	838	1357	0.5683	477	204	680	91	69	520 bcd
AT Edge B2RF	25.0	48.5	3080	770	1495	0.5733	441	224	666	92	65	508 cd
FM 2484 B2F	25.9	47.1	3034	794	1437	0.5763	458	216	673	91	74	508 cd
ST 4288 B2F	23.9	50.6	3099	742	1569	0.5755	427	235	662	93	69	500 cd
NG 4010 B2RF	23.8	48.7	2962	704	1445	0.5739	404	217	621	89	74	458 d
NG 4012 B2RF	23.9	46.0	2891	701	1325	0.5723	401	199	599	87	66	447 d
Test average	25.9	46.8	3278	869	1567	0.5709	495	235	730	100	72	558
CV, %	4.8	3.4	19.0	16.6	15.0	1.0	17.0	15.0	16.1	14.4	---	18.6
OSL	0.0001	0.0001	0.0888	0.0114	0.2256	0.0001	0.0231	0.2256	0.0668	0.0783	---	0.0798
LSD	1.8	2.3	742 <sup>†</sup>	206	NS	0.0082	120	NS	140 <sup>†</sup>	17 <sup>†</sup>	---	124 <sup>†</sup>

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.

\$300/ton for seed.

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



Table 2. In-season and fiber quality results from the Beckham County small plot replicated trial, Darrell and Sherry Gamble Farm, Erick, Oklahoma, 2011.

Entry	Final population	Final plant height	Storm resistance	Micronaire	Staple	Strength	Uniformity
	plants/acre	inches	1-9 visual scale*	units	32nds inch	g/tex	%
PHY 499 WRF	28,423	33.1	6.4	4.1	35.8	35.2	82.4
CG 3787 B2RF	21,889	29.6	6.6	4.3	36.8	31.6	82.4
FM 1740 B2F	20,582	29.0	5.8	4.5	36.3	30.4	81.7
CG 3156 B2RF	26,789	28.1	5.8	4.0	36.0	27.9	81.3
PHY 367 WRF	32,343	27.2	6.9	4.1	35.0	33.2	82.5
ST 5458 B2RF	26,463	26.9	6.1	4.7	36.8	32.6	81.6
DP 1133 B2RF	25,483	29.9	7.1	4.2	36.0	34.8	83.4
AT Dinero B2RF	29,076	27.9	6.1	4.4	36.5	30.0	81.7
DP 1032 B2RF	18,949	30.0	7.4	4.2	36.5	30.4	81.0
AT Edge B2RF	25,156	28.6	5.9	4.3	34.0	32.3	81.3
FM 2484 B2F	32,343	29.7	5.5	4.1	35.8	32.1	81.7
ST 4288 B2F	28,096	27.1	6.5	4.4	37.3	32.2	82.0
NG 4010 B2RF	20,255	29.0	5.9	4.1	36.0	32.9	81.4
NG 4012 B2RF	25,483	31.2	6.8	4.0	36.3	32.1	81.6
Test average	26,027	28.9	6.4	4.2	36.1	32	81.9
CV, %	31.1	5.8	8.2	4.9	1.8	2.7	1.3
OSL	0.4293	0.0001	0.0001	0.0009	0.0001	0.0001	0.1746
LSD	NS	2.4	0.8	0.3	0.9	1.2	NS

For net value/acre, means within a column with the same letter are not significantly different at the 0.05 probability level.

CV - coefficient of variation.

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

LSD - least significant difference at the 0.05 level, NS - not significant.

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

Assumes:

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

Note: Color grades set to 21, leaf grades set to 2 for entire test.