



Table 1. Harvest results from the Garfield County dryland RACE trial, Steinert Farm, Fairmont, OK, 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 367 WRF	31.6	50.8	821	259	415	0.5282	137	62	199	25	48	175 a
FM 1740 B2F GS	31.4	54.2	769	241	416	0.5032	121	62	184	23	48	161 ab
ST 4288 B2F	27.9	56.1	711	199	398	0.5237	104	60	164	21	48	142 bc
DP 1044 B2F	30.2	56.6	651	197	369	0.5148	101	55	157	20	45	137 bc
AT EPIC RF	32.3	50.6	614	197	307	0.4972	98	46	144	18	38	126 c
NG 4012 B2F	30.3	54.7	593	180	325	0.5210	94	49	143	18	43	125 c
FM 2484 B2F	31.5	52.5	569	179	299	0.5272	94	45	139	17	48	122 c
Test average	30.7	53.6	675	207	361	0.5164	107	54	161	20	46	141
CV, %	1.4	7.1	14.8	15.0	18.4	3.3	14.8	18.4	15.6	14.8	---	15.8
OSL	<0.0001	0.3733	0.0674	0.0509	0.1927	0.2559	0.0462	0.1910	0.0892	0.0674	---	0.0939
LSD	0.7	NS	145†	53†	NS	NS	27	NS	37†	4†	---	32†

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 Garfield County dryland RACE trial, Steinert Farm, Fairmont, OK, 2011.

Entry	Final population	Final plant height	Micronaire	Staple	Strength	Uniformity
	plants/acre	inches	units	32nds inch	g/tex	%
PHY 367 WRF	29,040	20.7	3.9	33.0	29.0	79.6
FM 1740 B2F GS	30,782	18.6	4.1	32.0	26.4	77.7
ST 4288 B2F	25,555	20.5	3.9	33.4	26.7	78.3
DP 1044 B2F	30,782	21.1	3.9	32.4	29.5	79.3
AT EPIC RF	26,136	21.2	4.2	31.5	27.6	78.1
NG 4012 B2F	26,717	22.5	4.0	33.0	27.9	79.6
FM 2484 B2F	29,040	21.0	3.8	33.1	27.5	79.1
Test average	28,293	20.8	4.0	32.6	27.8	78.8
CV, %	11.4	4.1	2.1	2.7	3.3	1.1
OSL	0.3108	0.0051	0.0036	0.1719	0.0109	0.0677
LSD	NS	1.5	0.1	NS	1.6	1.2

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, † indicates significance at the 0.10 level, NS - not significant.

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.