



Table 1. Harvest results from the Beckham County irrigated RACE trial, Darrel Gamble Farm, Erick, OK, 2012.

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 -----			
PhytoGen 499WRF	32.4	47.6	3955	1281	1886	0.5810	745	236	980	119	86	775 a
Deltapine 1219B2RF	30.9	49.7	3716	1148	1845	0.5803	666	231	897	111	81	705 b
FiberMax 1944GLB2	30.4	49.6	3807	1156	1885	0.5802	671	236	907	114	88	705 b
NexGen 1511B2RF	30.3	44.5	3738	1132	1664	0.5715	647	208	855	112	79	663 b
Grower's FiberMax 1740B2F	30.2	48.1	3609	1089	1737	0.5783	630	217	847	108	86	653 bc
NexGen 4012B2RF	29.0	48.2	3440	999	1657	0.5797	579	207	786	103	77	607 cd
All-Tex Nitro 44 B2RF	26.5	47.6	3731	990	1775	0.5812	575	222	797	112	82	604 cd
Stoneville 4288B2F	26.8	49.1	3548	951	1742	0.5692	541	218	759	106	86	567 d
Test average	29.6	48.0	3693	1093	1774	0.5777	632	222	853	111	83	660
CV, %	4.2	3.0	4.2	4.1	4.9	1.1	4.2	4.9	4.2	4.3	---	4.8
OSL	0.0005	0.0138	0.0296	<0.0001	0.0268	0.2374	<0.0001	0.0249	<0.0001	0.0369	---	<0.0001
LSD	2.2	2.5	269	78	152	NS	47	19	63	8	---	56

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.

\$250/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 2. Agronomic and fiber quality results from the Beckham County irrigated RACE trial, Darrel Gamble Farm, Erick, OK, 2012.

Entry	Final population	Final plant height	Storm resistance	Micronaire	Staple	Strength	Uniformity
	plants/acre	inches	1-9 visual scale*	units	32nds inch	g/tex	%
All-Tex Nitro 44 B2RF	31,799	30.0	5.7	4.3	39.1	34.0	83.0
Deltapine 1219B2RF	37,026	34.2	4.0	4.2	38.0	34.9	81.7
FiberMax 1944GLB2	32,234	30.2	7.0	4.2	38.3	33.3	82.2
Grower's FiberMax 1740B2F	32,234	29.0	6.0	4.5	36.0	32.1	82.6
NexGen 1511B2RF	29,620	31.8	3.7	4.8	36.6	32.5	82.7
NexGen 4012B2RF	26,136	33.2	6.0	4.4	37.0	32.3	82.4
PhytoGen 499WRF	31,799	34.8	5.0	4.4	37.0	33.3	83.3
Stoneville 4288B2F	28,749	27.7	5.7	4.8	36.2	30.8	81.9
Test average	31,200	31.4	5.4	4.5	37.3	32.9	82.5
CV, %	9.0	7.7	6.6	4.6	1.6	1.7	0.1
OSL	0.0153	0.0261	<0.0001	0.0108	0.0002	<0.0001	0.0780†
LSD	4,921	4.2	0.6	0.4	1.1	1.0	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.