



Table 1. Harvest results from the Caddo County irrigated RACE trial, Jay Holsted Farm, Carnegie, 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	31.9	49.3	4173	1332	2056	0.5782	770	257	1027	125	73	829 a
NexGen 1511B2RF	31.9	46.0	4237	1353	1949	0.5567	753	244	996	127	67	802 a
Deltapine 1219B2RF	31.1	51.2	4083	1271	2089	0.5748	731	261	991	123	68	801 a
Stoneville 4288B2F	27.8	52.9	3906	1085	2068	0.5775	626	258	885	117	73	695 b
All-Tex Nitro 44 B2RF	25.9	52.4	4048	1047	2120	0.5808	608	265	873	121	69	683 b
NexGen 4012B2RF	28.6	51.4	3862	1106	1984	0.5540	613	248	861	116	65	680 b
FiberMax 1944GLB2	29.8	48.3	3712	1108	1793	0.5738	635	224	859	111	74	674 b
Grower's FiberMax 1740B2F	30.9	48.9	3726	1153	1822	0.5292	610	228	837	112	73	653 b
Test average	29.8	50.0	3968	1182	1985	0.5656	668	248	916	119	70	727
CV, %	3.4	2.6	2.3	2.3	2.4	2.4	3.3	2.3	2.9	2.2	---	3.4
OSL	<0.0001	0.0002	<0.0001	<0.0001	<0.0001	0.0051	<0.0001	<0.0001	<0.0001	<0.0001	---	<0.0001
LSD	1.8	2.2	161	48	82	0.0242	39	10	47	5	---	43

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 Caddo County irrigated RACE trial, Jay Holsted Farm, Carnegie, 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	40,172	31.4	5.0	3.7	39.0	34.2	83.0
Deltapine 1219B2RF	39,204	34.9	4.3	4.5	35.8	32.3	80.8
FiberMax 1944GLB2	40,172	31.0	7.0	4.7	36.0	30.8	81.7
Grower's FiberMax 1740B2F	44,044	29.4	6.7	5.0	34.1	30.2	81.3
NexGen 1511B2RF	38,236	33.6	5.3	4.9	35.4	31.4	82.1
NexGen 4012B2RF	40,656	34.8	5.7	4.0	35.7	31.0	81.2
PhytoGen 499WRF	42,592	35.6	5.7	4.6	35.9	32.4	82.5
Stoneville 4288B2F	39,204	28.5	5.0	4.8	36.3	30.6	81.6
Test average	40,535	32.4	5.6	4.5	36.0	31.6	81.8
CV, %	9.7	4.0	7.2	6.1	2.7	3.3	0.7
OSL	0.6672	<0.0001	<0.0001	0.0006	0.0026	0.0084	0.0057
LSD	NS	2.3	0.7	0.5	1.7	1.9	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:

\$3.00/cwt ginning cost.

\$250/ton for seed.

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