



Table 1. Harvest results from the Harmon County irrigated RACE trial, Tony Cox Farm, Hollis, 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 -----			
Deltapine 1219B2RF	33.2	51.6	4923	1636	2540	0.5765	942	317	1259	148	66	1046 a
PhytoGen 499WRF	32.7	49.2	5020	1644	2466	0.5758	945	309	1254	150	70	1033 a
FiberMax 1944GLB2	32.4	51.8	4948	1603	2560	0.5750	922	320	1242	149	71	1022 ab
NexGen 1511B2RF	34.4	49.5	4706	1617	2329	0.5707	924	291	1215	141	64	1010 ab
All-Tex Nitro 44 B2RF	29.5	51.5	5177	1529	2667	0.5817	886	332	1218	155	66	997 abc
Stoneville 5458B2F	30.8	51.1	4882	1506	2495	0.5673	857	314	1171	148	70	954 bc
NexGen 4012B2RF	30.6	51.0	4793	1465	2441	0.5718	837	305	1142	144	62	936 c
Test average	31.9	50.8	4921	1572	2500	0.5741	902	313	1215	148	67	1000
CV, %	3.6	2.3	3.8	3.8	3.8	0.9	3.6	3.8	3.7	3.8	---	3.9
OSL	0.0029	0.0883†	0.1739	0.0166	0.0323	0.0844†	0.0086	0.0329	0.0570†	0.1695	---	0.0379
LSD	2.1	1.7	NS	105	171	0.0074	58	21	65	NS	---	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.

\$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 Harmon County irrigated RACE trial, Tony Cox Farm, Holis, 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	34,412	31.9	7.0	4.0	37.9	32.0	83.2
Deltapine 1219B2RF	33,105	34.5	6.2	4.3	35.9	31.3	80.4
FiberMax 1944GLB2	29,621	30.1	5.7	4.4	36.2	29.5	80.8
NexGen 1511B2RF	29,621	32.5	4.2	4.5	35.4	30.2	82.4
NexGen 4012B2RF	35,719	39.0	7.2	4.2	35.3	29.0	81.2
PhytoGen 499WRF	32,234	37.4	4.8	4.4	36.1	31.5	82.6
Stoneville 5458B2F	32,670	29.8	5.2	4.7	35.3	29.8	80.7
Test average	32,483	33.6	5.7	4.4	36.0	30.5	81.6
CV, %	10.3	6.2	5.5	4.7	1.5	2.2	0.5
OSL	0.2915	0.0009	<0.0001	0.0401	0.0010	0.0011	<0.0001
LSD	NS	3.7	0.6	0.4	1.0	1.2	0.7

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.