



Table 1. Harvest results from the furrow irrigated Tillman County small plot replicated trial, John McCullough Farm, Tipton, OK, 2012.

Entry	Lint turnout	Seed turnout	Bur cotton yield	Lint yield	Seed yield	Lint loan value	Lint value	Seed value	Total value	Ginning cost	Net value after ginning	
	----- % -----		----- lb/acre -----		--\$/lb--		----- \$/acre -----					
PhytoGen 499WRF	26.0	40.4	3624	942	1464	0.5448	513	183	696	109	588	a
Deltapine 1044B2RF	24.2	42.9	3554	861	1526	0.5417	469	191	659	107	553	a
All-Tex Nitro 44 B2RF	21.0	43.4	3746	785	1627	0.5770	454	204	657	112	545	a
PhytoGen 367WRF	22.4	41.0	3633	813	1488	0.5595	455	186	641	109	532	a
Deltapine 1219B2RF	25.1	42.6	3345	840	1425	0.5372	451	178	630	101	529	ab
Stoneville 5458B2RF	22.7	41.9	3075	699	1287	0.5070	355	161	516	92	424	bc
FiberMax 2484B2F	21.7	41.2	2796	607	1153	0.5648	343	144	487	84	403	c
NexGen 1511B2RF	22.2	38.7	2945	655	1140	0.5300	347	143	490	88	401	c
FiberMax 1944GLB2	20.6	42.2	2814	580	1186	0.5442	315	148	463	84	379	cd
NexGen 4010B2RF	19.6	41.4	2875	563	1190	0.5203	293	149	442	86	356	cd
Stoneville 4288B2F	19.3	44.3	2709	522	1199	0.5167	270	150	420	81	338	cd
NexGen 4012B2RF	19.3	41.5	2501	481	1037	0.4647	224	130	354	75	279	d
Test average	22.0	41.8	3135	696	1310	0.5340	374	164	538	94	444	
CV, %	9.3	4.4	12.3	12.6	12.5	2.7	14.4	12.5	13.8	12.3	14.1	
OSL	0.0050	0.0908†	0.0049	<0.0001	0.0030	<0.0001	<0.0001	0.0030	<0.0001	0.0047	<0.0001	
LSD	3.5	2.6	655	148	277	0.0247	91	35	126	20	106	

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. In-season and fiber quality results from the furrow irrigated Tillman County small plot replicated trial, John McCullough Farm, Tipton, 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	47,480	29.7	5.7	4.1	36.1	32.7	82.5
Deltapine 1044B2RF	40,946	28.1	4.5	4.4	34.0	29.1	80.4
Deltapine 1219B2RF	33,106	33.5	4.8	4.1	34.0	29.4	79.3
FiberMax 1944GLB2	43,996	28.5	7.2	3.7	34.2	27.6	79.1
FiberMax 2484B2F	47,045	28.6	5.7	4.1	35.0	29.5	80.2
NexGen 1511B2RF	41,817	28.0	5.8	4.2	33.5	29.5	80.9
NexGen 4010B2RF	45,302	29.1	5.8	3.7	33.1	27.4	80.5
NexGen 4012B2RF	46,174	29.1	7.2	3.3	32.4	24.4	79.1
PhytoGen 367WRF	39,204	27.6	4.5	4.1	34.6	29.5	80.1
PhytoGen 499WRF	38,768	32.1	5.2	4.4	33.9	30.7	81.6
Stoneville 4288B2F	41,817	24.6	5.0	3.8	33.1	25.8	78.8
Stoneville 5458B2RF	43,560	26.3	5.5	4.3	32.7	26.7	79.4
Test average	42,435	28.8	5.6	4.0	33.9	28.5	80.2
CV, %	13.2	8.6	18.2	4.8	1.6	3.1	0.7
OSL	0.1622	0.0223	0.0480	<0.0001	<0.0001	<0.0001	<0.0001
LSD	NS	4.2	1.7	0.3	0.9	1.5	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, NS - not significant.

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

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