

Table 1. Harvest results from the Cotton Variety Trial Conducted in a Field with Heavy Root-Knot Nematode Pressure & Early Season Hail Damage, Chevront Farm, Seminole, TX, 2013.

Entry	Lint turnout	Seed turnout	Bur cotton yield	Lint yield	Seed yield	Lint loan value	Lint value	Seed value	Total value	Ginning cost	Seed/technology cost ¹	Net value
	----- % -----		----- lb/acre -----			\$/lb	----- \$/acre -----					
Stoneville 5458B2RF	31.0	45.1	1823	565	822	0.5277	298.31	102.73	401.04	54.69	63.41	282.95 a
Deltapine 174RF	28.4	46.1	1703	484	785	0.5437	262.97	98.14	361.12	51.09	52.55	257.47 ab
NexGen 1511B2RF	29.0	43.8	1720	499	754	0.5335	266.24	94.24	360.48	51.60	57.55	251.33 ab
FiberMax 2011GT	29.4	45.4	1727	508	784	0.5067	257.22	98.03	355.25	51.81	55.22	248.23 ab
Stoneville 4946GLB2	29.9	42.6	1728	517	736	0.5220	269.88	92.03	361.90	51.83	65.71	244.36 ab
PhytoGen 367WRF	31.3	43.6	1545	483	673	0.5410	261.18	84.12	345.29	46.34	60.72	238.23 ab
PhytoGen 499WRF	31.3	46.6	1451	454	676	0.5595	253.87	84.44	338.31	43.52	60.72	234.07 b
NexGen 5315B2RF	29.7	45.7	1213	361	554	0.5155	185.97	69.27	255.24	36.40	57.55	161.30 c
Test average	30.0	44.9	1614	484	723	0.5312	256.96	90.37	347.33	48.41	59.18	239.74
CV, %	3.7	3.5	8.5	8.6	8.5	2.9	8.9	8.5	8.8	8.5	--	11.0
OSL	0.0439	0.0807†	0.0016	0.0021	0.0024	0.0178	0.0027	0.0024	0.0032	0.0016	--	0.0041
LSD	1.9	2.2	239	73	108	0.0267	40.12	13.43	53.48	7.18	--	46.34

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.

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.

¹ - Seed/technology cost does not include any rebates that may be available from seed companies based on quantities purchased.

Table 2. HVI fiber property results from the Cotton Variety Trial Conducted in a Field with Heavy Root-Knot Nematode Pressure & Early Season Hail Damage, Cheuvront Farm, Seminole, TX, 2013.

Entry	Micronaire	Staple	Uniformity	Strength	Elongation	Leaf	Rd	+b	Color grade	
	units	32 ^{nds} inch	%	g/tex	%	grade	reflectance	yellowness	color 1	color 2
Deltapine 174RF	3.7	35.8	80.9	32.6	8.7	3.7	74.4	8.6	3.7	1.0
FiberMax 2011GT	3.9	34.1	79.2	29.7	8.2	4.3	71.3	8.4	4.0	1.0
NexGen 1511B2RF	3.6	34.7	80.3	30.4	9.0	3.3	75.0	8.6	3.3	1.0
NexGen 5315B2RF	3.7	35.4	81.0	31.9	8.8	4.7	74.3	8.3	3.7	1.0
PhytoGen 367WRF	4.2	34.9	80.6	30.8	9.5	3.7	75.5	8.2	3.3	1.0
PhytoGen 499WRF	3.8	35.3	80.6	30.0	9.0	3.0	78.4	8.6	2.3	1.0
Stoneville 4946GLB2	3.9	34.9	79.5	29.0	8.5	4.3	76.0	8.6	3.3	1.0
Stoneville 5458B2RF	3.6	34.9	80.6	30.3	7.6	3.0	75.8	7.9	4.0	1.0
Test average	3.8	35.0	80.3	30.6	8.7	3.8	75.1	8.4	3.5	1.0
CV, %	4.7	2.2	1.1	2.4	5.1	19.8	1.7	1.8	--	--
OSL	0.0090	0.3012	0.2420	0.0006	0.0057	0.0999†	0.0007	0.0003	--	--
LSD	0.3	NS	NS	1.3	0.8	1.1	2.2	0.3	--	--

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