



Table 1. Harvest results from the Blaine County irrigated RACE trial, Merlin Schantz Farm, Hydro, OK, 2011.

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 -----			
FM 1740 B2F	31.6	52.7	2556	808	1350	0.5718	462	203	665	77	70	518 a
DG 2570 B2F	31.9	52.5	2555	815	1342	0.5563	454	201	656	77	68	511 ab
DP 1044 B2F	30.9	51.8	2563	790	1327	0.5687	450	199	649	77	66	506 ab
AT Dinero B2F	29.7	53.1	2583	766	1373	0.5695	437	206	643	77	65	500 ab
AM 1511 B2F	32.5	49.5	2331	758	1154	0.5588	423	173	596	70	66	460 abc
FM 2484 B2F	29.9	52.5	2395	716	1259	0.5715	409	189	598	72	70	456 bc
DP 1133 B2F	32.3	49.2	2232	720	1097	0.5755	414	165	579	67	70	442 cd
ST 4288 B2F	27.7	54.7	2230	617	1218	0.5608	346	183	529	67	70	392 d
PHY 367 WRF	29.7	50.6	2143	636	1085	0.5618	357	163	520	64	69	387 d
Test average	30.7	51.8	2399	736	1245	0.5661	417	187	604	72	68	464
CV, %	2.5	2.9	6.0	6.7	6.7	1.9	6.6	6.7	6.3	6.0	---	7.3
OSL	<0.0001	0.0067	0.0065	0.0010	0.0020	0.3843	0.0006	0.0021	0.0011	0.0065	---	0.0007
LSD	1.4	2.6	249	86	144	NS	48	22	66	7	---	59

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.

\$300/ton for seed.

Value for lint based on CCC loan value from grab samples and FBRI HVI results.



Table 2. In-season and fiber quality results from the Blaine County irrigated RACE trial, Merlin Schantz Farm, Hydro, OK, 2011.

Entry	Final population	Final plant height	Storm resistance	Micronaire	Staple	Strength	Uniformity
	plants/acre	inches	1-9 visual scale*	units	32nds inch	g/tex	%
FM 1740 B2F	42,108	22.2	4.3	4.6	35.7	32.5	82.7
DG 2570 B2F	35,816	26.1	6.0	4.7	34.6	31.6	82.6
DP 1044 B2F	40,172	24.3	5.3	4.7	35.1	32.6	82.0
AT Dinero B2F	37,268	26.1	6.0	4.4	35.9	30.6	82.1
AM 1511 B2F	35,332	26.5	5.7	4.5	34.5	31.9	81.5
FM 2484 B2F	41,140	22.7	4.7	4.3	36.0	32.0	81.4
DP 1133 B2F	36,784	25.3	7.7	4.5	36.2	34.4	82.6
ST 4288 B2F	39,688	22.5	4.3	4.2	35.0	30.8	80.9
PHY 367 WRF	39,688	26.2	4.7	4.1	34.8	32.0	81.5
Test average	38,666	24.7	5.4	4.5	35.3	32.0	81.9
CV, %	8.0	7.0	15.5	6.1	1.8	2.8	0.7
OSL	0.1403	0.0244	0.0032	0.0853	0.0298	0.0033	0.0124
LSD	NS	3.0	1.5	0.47†	1.1	1.5	1.0

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

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



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