

Table 10. Least square means for lint yield, yield components, and fiber quality traits in the 2014 RBTN trial conducted at Stoneville, MS, location 2. (Cooperator: Jodi Scheffler)

Cultivar	Lint Yield	Lint Percent	Lint Index	Boll Size	Seed per Boll	Seed Index	MIC	UHM	UI	STRN	ELO	SFC	QS1 [†]	QS2 [†]
	lbs/a	%	grams	grams	#	grams	mic	inches	%	g/tex	%	%		
LA11309040	1754	49.47	8.51	4.95	28.83	8.66	5.41	1.10	83.20	28.08	5.68	8.28	42.00	60.00
DP 393 ck	1737	46.27	7.77	5.12	30.57	8.98	5.05	1.12	83.93	28.63	5.68	7.78	55.50	69.50
MD10-6	1702	46.98	7.76	5.75	34.90	8.73	5.07	1.09	82.75	29.13	4.75	8.18	45.25	61.00
Ark 0615-38	1667	44.09	8.13	5.89	31.98	10.26	5.24	1.15	84.43	30.50	4.38	7.58	62.50	73.00
LA11309062	1656	47.28	8.24	5.46	31.31	9.17	5.05	1.14	83.48	30.40	5.13	7.93	60.75	68.00
SG 105 ck	1647	44.94	8.05	5.58	31.14	9.83	5.38	1.11	83.70	27.93	5.05	7.90	46.75	62.00
UA 222 ck	1647	45.88	8.28	5.17	28.59	9.74	5.09	1.15	83.28	30.38	6.17	8.22	62.75	67.25
GA 2009037	1585	45.74	7.48	5.14	31.43	8.83	5.15	1.12	82.18	28.85	4.48	9.30	50.50	58.75
Ark 0614-49	1582	44.53	7.48	5.22	31.11	9.28	5.36	1.14	84.43	30.86	5.06	7.24	60.22	72.44
OA-173	1556	46.56	7.34	5.14	32.61	8.40	5.30	1.12	83.30	30.13	4.38	8.38	51.25	63.00
NM12Y1005	1537	47.62	8.21	5.46	31.70	8.99	5.29	1.04	82.23	26.58	4.53	9.10	25.50	34.00
PX06520-42-2-1	1512	44.70	8.20	5.49	30.00	10.11	5.06	1.20	84.18	35.18	4.88	7.93	79.50	82.75
MS 0043-28 -1	1512	45.54	8.02	5.06	28.64	9.57	5.13	1.11	83.25	28.30	4.73	7.98	49.25	63.50
GA 2010074	1498	44.93	8.18	5.69	31.29	9.99	5.25	1.14	83.03	29.33	4.45	7.90	55.25	63.75
MS 0045-14 -5	1496	45.68	7.58	5.50	33.18	8.99	4.89	1.09	83.03	28.30	4.38	8.45	46.50	57.50
GA 2009100	1490	43.50	7.38	5.12	30.18	9.54	5.42	1.13	84.23	30.70	3.83	7.90	54.50	69.75
AU91411	1471	44.08	8.39	5.78	30.42	10.60	5.32	1.13	83.48	30.48	4.80	7.85	53.50	65.50
Ark 0614-34	1464	44.57	7.66	5.10	29.70	9.49	5.19	1.17	85.00	28.98	5.48	7.43	72.00	78.00
MS 0040-19 -4	1419	44.62	7.74	5.50	31.77	9.56	4.88	1.11	82.30	28.05	4.68	8.53	52.00	56.50
LA11309005	1412	43.51	7.68	5.09	28.87	9.93	4.80	1.14	82.73	29.90	3.95	8.30	64.00	65.50
FM 958 ck	1380	45.36	8.39	5.59	30.18	10.09	5.07	1.11	82.85	30.45	3.48	8.43	51.25	62.75
NM12Y1004	1359	46.95	8.56	5.20	28.51	9.61	4.98	1.08	82.93	27.58	4.63	8.88	42.25	54.00
OA-185	1342	47.11	7.91	5.22	31.10	8.84	5.24	1.08	81.90	27.55	4.20	9.35	32.50	41.75
AU51038	1325	45.96	7.47	5.16	31.72	8.75	4.61	1.15	83.50	30.23	4.15	8.00	70.75	71.25
PD 07116	1320	44.75	7.10	5.06	31.89	8.74	4.81	1.20	83.70	32.28	4.00	7.75	82.50	76.75
AU52034	1312	43.84	7.23	5.32	32.22	9.22	4.87	1.19	85.05	35.13	4.48	7.08	83.75	88.00
NM12Y1002	1262	44.04	6.94	5.02	31.86	8.78	5.02	1.10	83.48	28.65	5.68	8.33	49.50	60.75
DP 491 ck	1232	46.52	7.72	5.13	30.87	8.85	5.12	1.14	83.50	30.40	4.05	7.90	59.50	67.50
PD 07066	1207	41.49	7.38	5.69	31.99	10.37	4.69	1.16	83.73	29.85	4.30	7.38	73.25	73.50
PD 08039	1155	38.51	6.65	5.67	32.86	10.57	4.65	1.20	82.88	30.70	4.33	8.48	83.50	70.50
Mean	1475	45.17	7.78	5.34	31.05	9.41	5.08	1.13	83.39	29.78	4.66	8.12	57.27	65.28
LSD (.05)	190	1.28	0.41	0.50	2.88	0.48	0.25	0.04	1.24	1.73	0.47	0.79	15.78	13.40
CV(%)	9.10	2.00	3.74	6.65	6.56	3.60	3.44	2.43	1.05	4.10	7.21	6.90	19.48	14.53
R-Square	0.70	0.87	0.79	0.48	0.46	0.82	0.71	0.74	0.54	0.78	0.82	0.58	0.72	0.64
Reps	4	4	4	4	4	4	4	4	4	4	4	4	4	4

Shaded values are not significantly different from highest value according to LSD(0.05).

[†] QS1 & QS2 = Qscore, very similar to a selection index, adds the weighted values of selected fiber traits (length, mic, UI, strength) to provide a single measure (0-100) of desirable fiber qualities, and was calculated by weighting selected fiber traits