

Table 13. Least square means for lint yield, yield components, and fiber quality traits in the 2014 RBTN trial conducted at Tifton, GA. (Cooperator: Peng Chee)

Cultivar	Lint Yield	Lint Percent	Lint Index	Boll Size	Seed per Boll	Seed Index	MIC	UHM	UI	STRN	ELO	SFC	QS1 <sup>†</sup>	QS2 <sup>†</sup>
	lbs/a	%	grams	grams	#	grams	mic	inches	%	g/tex	%	%		
GA 2009037	991	40.98	6.85	5.17	30.95	9.59	4.86	1.23	83.63	30.55	4.13	7.88	55.25	59.50
LA11309040	970	43.24	8.07	5.15	27.68	10.33	5.02	1.17	84.60	29.65	5.73	7.38	38.75	60.50
<b>SG 105 ck</b>	970	38.32	7.29	4.92	25.90	11.44	4.71	1.21	86.00	31.18	4.80	7.05	60.00	73.75
MD10-6	962	40.91	7.46	5.64	30.92	10.49	4.45	1.19	85.13	32.23	4.53	7.15	54.50	68.50
LA11309062	921	40.86	7.75	6.16	32.67	10.93	4.85	1.20	85.50	30.95	5.10	7.08	54.25	69.50
Ark 0614-49	911	37.54	7.07	5.44	28.93	11.45	4.72	1.27	87.05	30.78	5.25	6.63	82.50	83.75
MS 0043-28 -1	910	40.77	7.49	5.29	28.74	10.69	4.90	1.19	84.35	30.63	4.75	7.48	47.50	61.75
Ark 0615-38	902	38.16	7.84	5.64	27.56	12.47	4.95	1.25	86.15	32.23	4.50	7.03	69.00	75.75
<b>FM 958 ck</b>	890	38.46	7.86	5.98	29.29	12.31	4.67	1.24	84.93	32.98	3.55	7.30	65.75	69.00
NM12Y1005	886	40.40	7.88	5.63	28.91	11.43	4.88	1.15	84.30	29.68	4.63	7.68	37.75	59.50
<b>UA 222 ck</b>	855	39.07	7.46	5.68	30.04	11.26	4.60	1.24	84.68	30.68	5.67	7.40	67.00	68.50
MS 0040-19 -4	850	38.29	7.13	5.03	26.97	11.21	4.55	1.18	83.73	30.00	4.98	7.85	47.00	59.75
PX06520-42-2-1	846	39.11	8.28	6.15	29.15	12.63	4.80	1.33	86.70	36.08	4.65	6.30	92.00	91.50
GA 2010074	842	40.29	7.84	5.32	27.40	11.35	4.89	1.22	85.60	31.53	4.45	7.10	59.50	71.00
<b>DP 491 ck</b>	837	39.86	6.98	6.17	35.31	10.27	4.52	1.26	84.25	32.13	3.88	7.83	70.75	66.75
Ark 0614-34	833	39.10	7.60	5.81	30.05	11.54	5.17	1.27	86.53	31.00	5.55	6.88	69.50	77.00
NM12Y1004	826	40.34	7.75	5.58	29.04	11.29	4.59	1.18	84.78	29.43	4.55	7.70	48.50	62.00
MS 0045-14 -5	795	38.54	7.39	5.69	29.72	11.60	4.62	1.20	84.63	31.38	4.38	7.13	54.50	65.75
GA 2009100	791	37.99	6.81	5.36	29.95	10.97	4.90	1.21	84.73	32.33	3.98	7.30	51.50	64.25
AU91411	788	37.82	7.47	5.86	29.68	11.97	4.66	1.24	84.95	33.73	4.60	7.10	65.50	69.25
OA-185	775	39.76	7.02	5.15	29.27	10.39	4.61	1.19	84.53	30.48	4.65	7.55	52.50	64.50
OA-173	748	40.62	7.10	4.94	28.36	10.14	4.98	1.21	84.55	30.98	4.48	7.60	50.75	63.25
PD 07116	734	38.57	6.29	5.56	34.07	9.69	4.54	1.25	84.13	33.95	4.23	7.30	67.50	68.00
<b>DP 393 ck</b>	722	40.20	7.44	5.41	29.24	10.80	4.73	1.20	85.80	32.28	5.60	6.93	58.25	72.50
LA11309005	719	38.18	7.32	5.40	28.29	11.56	4.64	1.24	84.63	31.68	3.78	7.40	66.00	67.75
AU51038	711	40.02	6.87	5.27	30.79	9.98	4.18	1.27	83.78	32.60	4.13	7.43	75.50	66.00
PD 07066	692	35.00	6.51	5.84	31.47	11.82	4.14	1.25	84.98	33.40	4.18	7.13	71.25	71.00
NM12Y1002	653	36.30	6.30	5.31	30.53	10.83	4.58	1.23	84.60	32.05	5.43	7.43	63.25	67.25
AU52034	652	39.30	6.72	5.27	30.88	10.13	4.55	1.23	85.00	34.45	4.40	7.13	68.00	74.50
PD 08039	552	33.39	6.07	5.45	29.99	11.81	4.47	1.29	84.43	32.03	4.50	7.08	81.00	70.00
<b>Mean</b>	818	39.05	7.26	5.51	29.72	11.08	4.69	1.23	84.95	31.77	4.63	7.27	61.50	68.73
<b>LSD (.05)</b>	185	1.44	1.99	0.47	2.89	1.05	0.27	0.03	0.89	1.33	0.36	0.37	8.77	6.28
<b>CV(%)</b>	15.99	2.63	5.98	6.11	6.92	6.72	4.03	1.58	0.74	2.97	5.59	3.57	10.14	6.50
<b>R-Square</b>	0.48	0.85	0.75	0.63	0.57	0.65	0.72	0.85	0.76	0.79	0.89	0.74	0.85	0.79
<b>Reps</b>	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).

<sup>†</sup> 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