

Table 12. Least square means for lint yield, yield components, and fiber quality traits in the 2013 RBTN trial conducted at Suffolk, VA. (Cooperator: Hunter Frame)

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	%	%		
NM1303	1826	40.28	7.24	5.62	31.27	10.49	4.72	1.21	85.15	28.23	6.73	7.05	59.50	55.25
FM 958 ck	1790	42.12	8.83	6.19	29.66	11.61	4.51	1.20	84.88	31.23	5.30	7.23	59.50	66.25
DP 393 ck	1768	42.44	7.59	5.35	30.07	9.95	4.97	1.20	84.95	29.65	6.58	6.98	52.25	63.75
MD 10-5	1763	42.98	8.26	5.76	29.96	10.60	4.77	1.23	85.70	30.95	6.23	6.78	68.50	72.00
AU51038	1756	43.14	7.84	5.62	31.09	9.62	4.42	1.20	84.48	31.30	6.18	7.00	60.75	64.50
GA 2009037	1754	42.05	7.26	5.83	33.74	9.41	4.62	1.17	85.13	28.80	6.40	7.03	49.75	64.50
Ark 0502-37	1751	42.64	7.70	5.85	32.52	9.93	4.89	1.20	85.05	29.15	6.30	7.03	54.50	64.75
LA09309116	1706	42.32	8.36	5.74	29.11	10.69	4.68	1.21	85.60	28.18	6.70	6.98	61.00	58.50
LA10307140	1699	42.66	8.78	6.33	30.88	11.27	4.74	1.19	85.60	30.38	6.93	6.83	57.75	69.50
MD-DC	1691	40.10	7.63	5.38	28.35	10.77	4.87	1.18	84.53	28.98	6.50	7.18	47.50	60.25
SG 105 ck	1689	39.97	7.56	5.74	30.51	10.64	4.74	1.19	85.80	30.83	6.60	7.00	53.00	65.75
MD 10-6	1669	42.36	7.83	5.62	30.40	10.20	4.60	1.22	85.60	30.08	6.48	6.63	66.25	71.75
NM1301	1649	42.15	7.35	5.33	30.60	9.58	4.97	1.20	84.65	29.28	6.50	7.38	51.25	62.00
PX06520-42-2-1	1648	40.66	7.50	5.42	29.35	10.55	4.75	1.22	85.40	32.13	6.30	7.03	66.00	74.50
OA-33	1643	40.94	7.62	5.76	30.99	10.17	5.05	1.20	85.13	29.60	6.03	7.20	51.75	64.25
LA10307108	1630	41.90	7.35	5.47	31.17	9.72	4.71	1.20	85.30	29.05	6.58	7.25	59.00	68.00
GA 2008016	1621	43.90	7.46	5.22	30.73	9.07	4.65	1.21	84.50	30.15	5.05	7.43	60.75	64.25
PD06078	1606	40.46	7.71	5.94	31.20	10.82	4.81	1.23	85.80	30.55	6.23	6.63	68.25	72.50
Ark 0506-47	1599	40.50	7.84	5.22	26.94	10.80	4.79	1.19	85.45	29.88	6.40	7.03	55.75	63.75
Ark 0504-4	1598	42.25	8.75	5.65	27.47	11.38	5.14	1.21	85.88	29.48	6.45	6.90	55.50	69.00
AU10090	1573	41.06	7.07	5.28	30.89	9.96	4.56	1.23	85.48	30.43	5.95	6.88	68.25	70.75
AU55052	1572	38.94	6.99	5.35	29.82	10.43	4.68	1.20	84.50	30.48	6.25	6.90	58.75	64.00
PD07092	1555	40.55	7.11	5.53	31.59	10.12	4.37	1.25	86.33	33.85	6.20	6.58	80.00	80.25
MD 25-26ne	1549	40.43	8.14	6.06	30.06	11.30	4.73	1.22	85.75	30.43	6.65	6.83	66.25	69.50
Ark 0517-54	1549	41.66	7.95	5.82	30.49	10.63	4.69	1.19	85.25	29.80	6.28	7.33	55.00	54.00
GA 2009100	1541	38.74	7.05	6.03	33.17	10.68	4.93	1.21	84.90	30.95	5.33	7.38	57.50	64.75
GA 2010098	1536	41.06	7.59	5.85	31.64	10.23	4.67	1.22	85.30	30.35	6.33	6.88	64.75	69.25
PX06520-42-2-3	1507	39.08	7.71	5.94	30.01	11.43	4.76	1.25	86.68	33.95	6.43	6.63	76.25	86.00
NM1302	1497	37.43	7.54	5.69	28.47	11.86	4.58	1.20	85.40	28.00	7.05	7.10	60.50	65.25
LA10307021	1474	40.63	7.85	5.81	30.16	10.72	4.23	1.23	84.98	30.55	4.65	7.13	68.50	69.00
PD05069	1458	41.70	7.46	5.60	31.38	10.05	4.42	1.28	84.98	31.88	5.83	7.15	83.25	71.75
PD05064	1456	41.70	7.56	5.60	30.99	10.03	4.68	1.23	84.98	31.33	5.78	7.10	67.75	68.25
AU68036	1447	39.69	7.26	5.49	29.98	10.24	4.75	1.18	85.10	29.75	6.40	7.03	52.00	63.75
Acala 1517-99	1349	39.17	7.95	5.56	27.52	11.72	4.41	1.24	85.43	32.73	6.03	6.83	72.00	74.50
Mean	1615	41.11	7.70	5.67	30.36	10.49	4.70	1.21	85.28	30.36	6.22	7.01	61.45	67.24
LSD (.05)	190	2.04	0.75	0.48	3.13	1.07	0.32	0.05	1.22	2.68	0.56	0.46	19.23	15.12
CV(%)	8.37	3.55	6.96	6.06	7.35	7.27	4.80	2.96	1.02	6.29	6.46	4.67	22.31	16.03
R-Square	0.53	0.59	0.51	0.47	0.40	0.52	0.51	0.35	0.33	0.43	0.70	0.39	0.35	0.33
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