Table 18. Plant height, open bolls, seed per acre, fibers per seed, and fiber density for entries in the 2021 RBTN at Keiser[1], Arkansas (Cooperator: Fred Bourland).

Entry	Designation	Plant height	Open Bolls[2]	Seed per acre[3]	Fibers per seed[4]	Fiber density[5]
		cm	%	mil.	no.	no.
1	Ark 1301-16	114	43	6.598	16814	183
2	Ark 1311-18	117	46	6.317	16849	193
3	Ark 1308-58	116	50	7.567	16220	194
4	Ark 1317-31	123	50	8.482	16799	204
5	Ark 1309-56	114	60	6.010	16796	189
6	CSX5432	133	35	8.040	18286	202
7	TAMLBB16507	117	39	7.423	18280	220
8	TAMLBB17206	111	45	7.033	14980	187
9	OA-11	123	40	7.427	15641	185
10	OA-13	136	50	7.651	15351	184
11	OA-133	248	51	8.695	14066	183
12	GA 2015026	122	44	5.200	14422	180
13	GA 2016029	112	44	5.592	15579	185
14	GA 2016090	132	43	5.298	17294	207
15	TAM 14B-72	112	54	8.702	15122	197
16	TAM 14E-12	120	53	6.266	17674	206
17	LA19073002	124	63	6.333	15120	187
18	LA19073070	125	51	6.643	15996	194
19	MS 2010-87-37	123	58	8.337	15138	182
20	MS 2010-87-42	121	59	8.099	16139	191
21	MS 2010-87-5	126	58	7.186	16222	193
22	MS 2010-66-16	124	55	8.442	16839	200
23	MS 2010-28-27	117	64	7.649	16100	193
24	MS 2010-96-9	131	50	6.918	16698	190
25	DP 393 CK	122	54	7.713	15067	186
26	DP 493 CK	116	59	7.387	15463	186
27	FM 958 CK	116	55	8.295	16158	196
28	UA 222 CK	115	49	7.474	16460	202
	Mean	125	51	7.242	16128	193
	LSD (0.10)	ns	1	1.251	1157	11
	Entry (P>F)	0.3673	0.0008	<0.0001	<0.0001	<0.0001
	C.V.(%)	38.0	18.4	14.7	6.1	4.9
	R-Square	29.3	48.2	57.9	60.7	57.2
	Reps	4	4	2	2	2

[1] Planted May 18, harvested on October 17 and December 2 (picker malfunction) on a Sharkey clay soil in northeast Arkansas.

[2] Percentage of open bolls based upon visual observations prior to first application of defoliants,

[3] Number of seed per acre estimated as: [(g/a seedcotton yield) x (percentage seed weight) / seed weight], where:
g/a seedcotton yield = lb seedcotton yield x 454
percentage seed weight = bollsample seed weight / bollsample weight
seed weight = seed index / 100

[4] Estimated number of fiber per seed produced = (LI/100) / ((UHM(UI/100))*(Mic/1000000)).

[5] Fiber density (Fden) is estimated as number of fibers per square mm and is calculated as:
Fden = fibers per seed / (35.74 + (6.59*Seed Index)).