Table 19. Plant height, open bolls, seed per acre, fibers per seed, and fiber density for entries in the 2022 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	AU72028	100	50	7.812	14975	152
2	AU90098	108	45	7.914	14395	146
3	Ark 1414-28	95	71	9.007	15251	154
4	Ark 1414-43	85	73	8.604	14098	137
5	Ark 1414-47	89	75	8.841	14763	149
6	Ark 1410-32	96	74	8.156	14965	144
7	Ark 1406-21	104	55	8.560	13258	144
8	Ark 1410-56	100	61	7.990	15121	141
9	TAM 17 SHK-43	99	41	7.600	15067	148
10	TAM 18 SHA-27	106	49	7.106	17593	162
11	TAM 17 WSH-12	115	43	7.514	15278	165
12	TAM 17 WSG-51	97	49	7.502	12142	114
13	TAM 17 WSE-66	87	45	6.051	14293	131
14	TAM 17 WSE-68	99	35	6.925	14251	132
15	OA-22-1	95	68	8.636	12830	140
16	OA-22-2	80	79	9.742	14299	160
17	OA-22-3	82	83	8.220	14619	160
18	CSX5432	110	44	8.846	16157	166
19	MS 2010-87-37	103	54	8.428	15098	154
20	MS 2010-87-42	102	48	9.446	13841	142
21	MS2010-87-44	97	49	8.148	14475	146
22	MS 2010-96-8	113	44	8.372	14401	138
23	MS 2010-66-16	106	58	8.776	16204	165
24	MS 2010-28-27	93	59	8.248	13201	133
25	DP 393 CK	94	54	7.762	15780	157
26	DP 493 CK	102	46	7.855	14559	152
27	FM 958 CK	100	46	7.924	14049	136
28	UA 222 CK	91	49	6.889	16349	155
	Mean	99	55	8.127	14665	147
	LSD (0.10)	9	9	0.909	1245	12
	Entry (P>F)	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	C.V.(%)	8.0	13.4	9.5	7.2	7.1
	R-Square	67.2	78.4	65.2	58.3	62.7
	Reps	4	4	4	4	4

[1] Planted May 12, 2022, harvested Oct 23, 2022, 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)).