

Table 18. Open bolls, seed per acre, fibers per seed, and fiber density for entries in the 2018 RBTN at Keiser, Arkansas (Cooperator: Fred Bourland)¹.

Entry	Open bolls		Seed per acre		Fibers per seed ²		Fiber density ³	
	%	r	mil.	r	no.	r	no.	r
Ark 1015-42	41	1	6.319	16	16302	11	158	9
Ark 1005-41	34	6	6.522	10	16510	10	147	17
Ark 1004-38	37	2	4.501	24	15743	18	143	19
Ark 1005-35	30	8	6.121	19	13667	24	126	24
Ark 1007-15	35	4	6.366	14	17081	2	154	14
16-13P1115	8	22	4.729	23	18361	1	165	5
TAM LBB150107	21	15	6.443	12	14438	22	140	21
TAM LBB150824	8	22	6.251	17	16089	16	139	22
TAM LBB150921	16	20	6.341	15	16109	15	136	23
GA 2012141	24	12	7.657	4	16862	4	161	7
GA 2015024	23	13	7.419	5	15160	21	159	8
TAM 13S-03	28	9	8.104	2	16242	12	157	10
TAM 12J-39	5	24	6.508	11	16678	8	156	12
LA14063083	17	19	7.262	6	17053	3	166	4
LA14063075	27	11	8.532	1	14375	23	148	16
LA11309040	33	7	6.091	20	16696	7	171	2
PD2011021	19	16	6.607	9	16176	13	148	15
PD2011081	12	21	6.623	8	15634	19	145	18
PD2011026	18	17	5.860	21	15357	20	142	20
MS 2010-87-5	37	2	6.417	13	16783	6	167	3
DP 393 CK	35	4	6.147	18	16111	14	157	11
DP 493 CK	18	17	7.786	3	15771	17	176	1
FM 958 CK	23	13	6.712	7	16535	9	156	13
UA 222 CK	28	9	5.585	22	16804	5	162	6
Mean	24		6.538		16106		153	
LSD0.10	9		0.837		914		8	
C.V.(%)	36.4		12.2		5.4		4.9	
R²*100	69.4		65.5		63.5		77.4	

¹ Planted May 10, harvested Jan 31, 2019 on a Sharkey clay soil in northeast Arkansas.

² Estimated number of fiber per seed produced = (LI/100) / ((UHM(UI/100))*(Mic/1000000)).

³ Fiber density estimated as number of fiber per square mm. Fden = FPS / (35.74 + (6.59*SI))