

Table 14. Open bolls, seed per acre, fibers per seed, and fiber density for entries in the 2019 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
13AFX13-12-5	55	12	8.642	4	16535	18	170	19
13AFX6-27-2	48	17	6.972	18	15678	23	145	24
Ark 1102-55	44	18	8.118	10	17210	11	175	15
Ark 1112-59	49	15	7.325	15	19595	1	198	4
Ark 1114-21	59	6	8.222	9	19404	2	209	1
Ark 1115-36	60	3	8.250	8	17394	10	192	5
Ark 1117-60	59	6	6.254	22	17057	13	162	22
Ark 1124-50	61	2	7.113	17	16988	14	177	13
CSX8308	63	1	8.680	3	16657	15	199	3
GA2016024	60	3	7.812	11	17179	12	188	7
GA2016099	49	15	8.372	7	16173	20	174	18
GA2016103	50	14	8.373	6	14782	24	170	21
LA16063019	36	24	6.123	23	18663	4	202	2
LA16063033	41	21	5.512	24	16563	17	174	17
LA16063054	41	21	6.427	20	17719	8	186	9
MS 2010-87-37	54	13	8.559	5	16569	16	177	14
TAM 12J-39	44	18	7.235	16	18246	6	180	10
TAM 13S-03	58	9	8.940	1	17416	9	178	12
TAMLBB15905	60	3	6.908	19	15741	22	153	23
TAMLBB16507	44	18	6.264	21	18298	5	179	11
DP 393 CK	56	10	8.791	2	16440	19	170	20
DP 493 CK	56	10	7.586	14	16031	21	186	8
FM 958 CK	59	6	7.670	12	17756	7	174	16
UA 222 CK	40	23	7.610	13	18780	3	188	6
Mean	24		6.538		16106		153	
LSD0.10	9		0.837		914		8	
C.V.(%)	36.4		12.2		5.4		4.9	
R-Square	0.69		0.66		0.64		0.77	

Values in bold not significantly different from highest value according to LSD(0.05).

¹ Planted May 18, rated for open bolls September 10, and harvested Oct 4, 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 (Fden) estimated as number of fibers per square mm. $Fden = FPS / (35.74 + (6.59*SI))$