

Table 23. Performance of cotton strains in the 2016 Regional Breeders Testing Network Test at Keiser, AR (Cooperator: Fred Bourland)¹.

Entry	Cultivar	Plant		Open		Seed/	Fibers/		Fiber		Bact.		
		ht. cm	r	bolts %	r	acre mil.	r	seed ² no.	r	den. ³ no.	r	blg ⁴ %sus	rate
1	TAM13Q-18	109	14	34	24	5.887	14	14578	13	130	20	23	int
2	TAM11L-24	94	26	44	18	4.857	24	14082	21	119	23	97	sus
3	PD07040	.	.	.	.	.	.	.	.	.	.	.	.
4	PD09084	123	2	35	23	4.899	23	12673	25	112	25	47	int
5	PD08028	.	.	.	.	.	.	.	.	.	.	.	.
6	PD09046	133	1	25	26	5.012	21	11686	26	106	26	.	.
7	Ark 0812-87ne	108	15	53	12	5.243	20	16134	2	146	3	0	res
8	Ark 0818-23	96	25	71	1	4.923	22	15616	5	141	9	0	res
9	Ark 0824-89	102	20	50	14	4.525	26	14530	14	124	22	0	res
10	Ark 0822-48	103	18	64	3	6.007	12	14705	11	131	18	0	res
11	Ark 0819-89	98	24	64	3	6.196	11	13101	24	117	24	0	res
12	NM 13G1029	122	4	50	14	6.525	7	14294	17	139	11	83	sus
13	NM 13G2019	109	13	56	8	6.467	9	14198	19	137	14	77	sus
14	AU77082	115	8	55	9	6.852	3	14436	15	134	16	65	sus
15	AU82074	110	12	53	12	6.937	2	14579	12	135	15	75	sus
16	GA 2011113	115	8	41	20	6.568	5	14227	18	142	8	0	res
17	GA 2012050	122	3	38	22	6.704	4	14841	10	143	7	0	res
18	GA 2012082	119	7	50	14	6.257	10	15655	4	146	4	10	res
19	GA 2012141	112	11	44	18	5.977	13	13889	22	133	17	5	res
20	MD 16-1	114	10	49	17	6.515	8	15704	3	151	2	93	2
21	MD 16-2	119	6	54	11	4.769	25	16783	1	152	1	0	res
22	MS 0152-3-11	99	23	66	2	7.004	1	14313	16	139	12	76	sus
23	MS 0043-28-1	100	22	55	9	6.557	6	15077	6	143	6	47	int
24	DP 393 CK	105	17	60	5	5.346	18	15067	7	140	10	10	sus
25	DP 493 CK	120	5	29	25	5.621	17	13639	23	144	5	0	res
26	FM 958 CK	106	16	41	20	5.338	19	14895	9	131	19	8	14
27	SG 105 CK	103	19	60	5	5.817	16	14109	20	128	21	92	sus
28	UA 222 CK	102	21	60	5	5.832	15	14922	8	138	13	0	res
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	Mean	110		56		5.871		14528		135		32	
	LSD0.10	9		9		0.943		713		7		17	
	C.V.(%)	7.1		23.0		13.6		4.2		4.6		37.8	
	R2*100	68.6		65.1		55.6		80.4		82.5		93.5	

¹ Planted May 5, harvested Sep 29 on a Sharkey clay soil in northeast Arkansas. Inadequate stands of er

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))

⁴ Varieties/breeding lines were planted in flats (3 replications, 13 seed/plot) in greenhouse, and scratch inoculated with *Xanthomonas axonopodis* pv. *malvacearum*. The inoculum was obtained from naturally infected leaves collected at the 2015 Manila location. Scatches were examined for water-soaking, and % of susceptible plants were determined.