

Table 13. Trichomes traits of cotton strains in the 2025 Regional Breeders' Testing Network Test at Keiser, AR (25V6K)¹ (Cooperator: Fred Bourland).

Genotype	Entry	Leaf pub. ²	r	Stem pub. ²	r	Bract tric. ³	r	Bact. blg ⁵
Ark 1704-53	1	3.2	12	5.7	9	26.6	14	0
Ark 1706-45	2	2.0	6	6.1	12	20.4	5	0
Ark 1704-26	3	3.3	14	5.7	9	25.0	9	0
Ark 1720-52	4	2.3	10	5.2	5	18.9	2	0
Ark 1706-34	5	2.3	10	5.7	9	20.2	4	0
TAM 18J-13	6	3.2	12	6.8	19	27.0	15	14
TAM 19J-04	7	1.0	1	1.0	1	14.4	1	0
TAM 19O-09	8	1.0	1	1.0	1	26.1	13	28
OA-25110	9	3.5	18	4.5	3	27.8	17	23
OA-25111	10	1.3	2	6.3	15	27.5	16	10
OA-25112	11	2.0	7	5.4	6	27.9	18	60
OA-25113	12	2.0	7	6.3	15	22.8	6	20
OA-25114	13	3.4	16	6.1	12	25.7	11	8
GA2023279	14	3.4	16	4.6	4	23.6	7	28
DP 393	15	3.3	14	6.3	15	29.9	19	33
DP 493	16	1.8	5	6.8	19	24.5	8	3
FM 958	17	2.3	10	6.7	18	26.0	12	19
UA 222	18	4.1	20	6.4	17	31.6	20	0
KS2215	19	1.3	2	5.5	7	19.6	3	0
23KS01	20	3.5	18	6.0	11	25.7	10	21
Frego bract check		-	-	-	-	-	-	-
Mean		2.5		5.4		24.52		13
LSD (0.10)		1.2		0.9		5.3		15
C.V. (%)		40.0		13.6		18.2		73.5
R2*100		66.6		87.0		59.0		83.2

1/ Planted June 3, harvested on Nov 8 on a Sharkey clay soil in northeast Arkansas. 4 reps, 4 rep for boll samples.

2/ Leaf and stem pubescence visually rated from 1 (smooth leaf) to 7 (very hairy).

3/ Marginal trichome density of bracts determined on 6 bracts/plot (4 reps).

5/ Varieties/breeding lines were planted in flats (3 replications, 10 seed/plot) in greenhouse, and scratch inoculated with *Xanthomonas citri* pv. *malvacearum*. The inoculum was obtained from naturally infected leaves collected in 2019 at Marianna, AR. Scatches were examined for water-soaking, and % of susceptible plants were determined.

