

Table OVT6. Average lint yield, turnout, and fiber quality of 44 entries in the early planted 2023 West Tennessee Research and Education Official Variety Trial conducted in Jackson, TN listed by yield rank.

Yield Rank	Variety	Lint Yield (lb/ac)	Turnout [†] (%)	Mic	Length (in.)	Strength (g/tex)	Unif (%)
1	DP 2115 B3XF	1656 a	41.5	4.3	1.16	30.5	84.7
2	AR 9371 B3XF	1578 ab	42.1	4.2	1.19	30.6	85.2
3	DP 2127 B3XF	1572 ab	41.7	4.5	1.18	33.2	85.3
4	ST 4595 B3XF	1543 a-c	42.3	4.3	1.23	32.5	84.7
5	DP 2211 B3TXF	1520 a-d	42.4	4.2	1.15	30.2	84.5
6	DG 2012 B3XF	1514 b-e	41.6	4.4	1.21	35.0	82.9
7	DG 3528 B3XF	1509 b-f	41.3	4.1	1.18	30.8	84.2
8	DP 2038 B3XF	1468 b-g	43.1	4.3	1.18	31.8	84.7
9	ST 5091 B3XF	1463 b-h	41.3	4.0	1.24	31.8	83.6
10	AMX 20T157 B3XF	1457 b-i	42.1	4.3	1.19	30.9	84.6
11	NG 3195 B3XF	1454 b-i	42.0	4.2	1.19	33.0	85.9
12	DP 2333 B3XF	1449 b-i	41.8	4.6	1.20	31.9	84.4
13	PHY 400 W3FE	1448 b-i	42.5	4.1	1.15	33.2	83.3
14	PHY 1140B373-04 W3FE	1448 b-i	40.5	4.5	1.17	32.4	85.3
15	DP 2131 B3TXF	1445 b-i	42.9	4.1	1.23	30.4	82.5
16	NG 4343 B3TXF	1426 c-j	39.6	3.9	1.19	28.7	84.3
17	DG 3511 B3XF	1418 c-k	43.0	4.7	1.19	31.9	85.2
18	DP 2239 B3XF	1412 c-k	41.5	4.0	1.21	33.4	84.0
19	PHY 415 W3FE	1408 c-k	40.9	4.2	1.23	35.5	83.4
20	NG 4190 B3XF	1406 c-k	40.0	4.0	1.19	31.6	84.0
21	PHY 1140D328-04 W3FE	1396 d-l	41.3	4.1	1.23	33.7	85.5
22	PHY 1140A385-04 W3FE	1390 d-m	42.2	4.0	1.17	34.5	84.8
23	DG 4497 B3TXF	1380 e-m	43.8	4.1	1.15	31.5	81.8
24	DG 4530 B3TXF	1379 e-m	41.3	4.0	1.21	31.3	85.1
25	DP 2317 B3TXF	1370 f-m	39.2	3.8	1.20	32.8	82.8
26	PHY 360 W3FE	1364 g-m	39.6	4.3	1.19	32.6	82.6
27	PHY 1130D303-04 W3FE	1350 g-m	40.4	4.6	1.14	31.0	83.5
28	PHY 1130B333-04 W3FE	1348 g-m	40.5	4.2	1.17	34.9	84.7
29	DG 3519 B3XF	1342 g-m	41.0	4.1	1.22	32.4	85.6
30	PHY 411 W3FE	1340 g-n	41.9	4.6	1.14	31.6	84.0
31	NG 4335 B3TXF	1336 g-n	40.8	4.3	1.20	30.8	85.8
32	DG 4484 B3TXF	1327 h-o	43.7	4.0	1.12	32.7	82.7
33	AR 9383 B3TXF	1320 i-p	39.3	4.4	1.16	30.0	84.9
34	PHY 443 W3FE	1299 j-p	40.8	4.0	1.15	33.3	83.8
35	PHY 1150D490-04 W3FE	1294 j-p	41.1	4.1	1.17	30.6	82.7
36	AMX 20T079 B3XF	1294 j-p	40.9	4.1	1.20	31.2	83.6
37	DP 2141 NR B3XF	1280 k-p	42.4	4.6	1.17	33.2	84.0
38	AMX 160030-B B3XF	1264 l-p	41.0	4.4	1.20	31.8	83.7
39	PHY 332 W3FE	1252 m-q	39.4	3.8	1.25	34.5	84.0
40	DG 3425 B3XF	1202 n-r	40.4	4.1	1.28	35.0	84.0
41	AMX 21C005 B3TXF	1195 o-r	37.7	3.6	1.22	32.4	84.9
42	PHY 1150B437-04 W3FE	1182 pqr	38.8	4.1	1.15	34.9	83.2
43	AMX 20T114 B3XF	1120 qr	39.8	4.0	1.25	32.1	85.4
44	AMX 1600-A B3XF	1108 r	41.8	3.7	1.25	30.0	83.6
Average		1380	41.2	4.2	1.19	32.2	84.2
LSD (p<0.05)		99					
CV (%)		7.2					

‡ Means followed by the same letter are not significantly different (p=0.05).

†Turnout and fiber quality determined from ginning a single 6 lb seedcotton sample and classing a 200 gram subsample from each treatment.

Tennessee AgResearch data of Raper et al. (2023).