

Table OVT5. Average lint yield, turnout, and fiber quality of 44 entries in the 2023 Official Variety Trial conducted in Grand Junction, TN listed by yield rank.

Yield Rank	Variety	Lint Yield (lb/ac)	Turnout [†] (%)	Mic	Length (in.)	Strength (g/tex)	Unif (%)
1	ST 4595B3XF	1844 a	43.0	4.7	1.15	33.1	83.0
2	DP 2115 B3XF	1825 ab	43.0	4.6	1.17	31.6	84.4
3	PHY 1140D328-04 W3FE	1813 abc	40.9	4.2	1.19	32.3	84.1
4	DP 2211 B3TXF	1809 a-d	43.0	4.5	1.16	29.7	83.5
5	PHY 1140B373-04 W3FE	1802 a-e	42.6	4.4	1.14	31.7	83.7
6	DP 2127 B3XF	1801 a-e	43.9	4.8	1.18	30.4	84.5
7	AR 9371 B3XF	1793 a-e	42.3	4.5	1.19	29.8	85.0
8	PHY 360 W3FE	1715 a-f	40.9	4.5	1.15	29.3	81.9
9	PHY 443 W3FE	1705 a-g	40.7	4.5	1.16	32.2	84.6
10	DP 2038 B3XF	1698 a-h	46.0	4.7	1.13	31.8	82.6
11	ST 5091B3XF	1683 a-i	42.3	4.1	1.21	29.6	82.7
12	NG 4190 B3XF	1675 a-j	41.9	4.4	1.15	30.4	84.8
13	DG 3519 B3XF	1672 a-j	42.8	4.2	1.23	32.3	85.2
14	PHY 1150D490-04 W3FE	1666 b-k	40.3	4.5	1.14	28.7	81.8
15	DP 2131 B3TXF	1651 b-l	44.5	4.6	1.20	29.1	83.2
16	NG 4343 B3TXF	1651 b-l	42.8	4.7	1.19	30.3	84.0
17	PHY 400 W3FE	1643 c-m	42.8	4.0	1.20	33.4	83.9
18	DG 3425 B3XF	1643 c-m	41.4	4.1	1.27	33.0	85.0
19	NG 3195 B3XF	1641 c-m	42.6	4.5	1.17	32.8	83.5
20	DP 2333 B3XF	1639 c-m	44.6	4.7	1.16	30.7	84.5
21	DG 3528 B3XF	1635 d-k	42.5	4.1	1.19	29.0	84.0
22	PHY 1140A385-04 W3FE	1626 e-m	42.9	4.8	1.15	33.5	84.1
23	PHY 415 W3FE	1604 f-m	42.0	4.3	1.25	36.6	85.4
24	NG 4335 B3TXF	1597 f-m	40.2	4.4	1.22	31.1	84.9
25	PHY 332 W3FE	1594 f-m	40.3	4.2	1.24	33.7	83.9
26	DG 4530 B3TXF	1583 f-m	43.2	4.5	1.17	30.4	83.2
27	PHY 1150B437-04 W3FE	1578 f-n	39.6	4.5	1.15	33.9	82.5
28	DP 2239 B3XF	1544 f-n	43.1	4.4	1.20	31.0	83.2
29	AR 9383 B3TXF	1535 g-n	39.9	4.8	1.17	29.0	84.8
30	DP 2317 B3TXF	1526 h-n	41.6	4.4	1.20	30.6	84.3
31	DG 3511 B3XF	1522 h-n	41.9	4.2	1.22	30.7	84.3
32	DG 4497 B3TXF	1519 i-n	45.0	4.4	1.13	33.1	84.5
33	AMX 160030-B B3XF	1513 i-n	40.2	4.7	1.17	29.4	83.3
34	PHY 411 W3FE	1513 i-n	42.0	4.9	1.11	33.5	83.4
35	PHY 1130B333-04 W3FE	1502 j-o	41.1	4.5	1.17	34.0	85.6
36	DP 2012 B3XF	1493 l-p	41.3	4.3	1.14	29.0	82.1
37	DG 4484 B3TXF	1489 k-p	44.6	4.3	1.14	31.0	83.0
38	AMX 20T157 B3XF	1486 l-p	40.4	4.4	1.23	32.6	83.9
39	AMX 21C005 B3TXF	1470 m-p	43.4	4.2	1.14	29.1	82.5
40	DP 2141 NR B3XF	1469 m-p	42.8	4.8	1.21	34.6	84.2
41	PHY 1130D303-04 W3FE	1405 nop	41.3	4.6	1.12	30.4	84.5
42	AMX 20T079 B3XF	1326 opq	41.2	4.5	1.23	30.7	84.6
43	AMX 20T114 B3XF	1320 pq	42.5	4.8	1.18	29.3	84.0
44	AMX 1600-A B3XF	1177 q	43.4	4.5	1.22	32.9	84.6
Average		1600	42.2	4.5	1.18	31.4	83.9
LSD ($p \leq 0.05$)		125					
CV (%)		7.9					

‡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).