

Table WCVT-YLD. Agronomic performance and fiber quality of Cotton Varieties evaluated at Weslaco during 2004. (Irrigated)

Cultivar	Lint Yield (lb/ac)	Gin Turnout (%)	Micro- naire (units)	Length (in)	Strength (g/tex)	UI (ratio)	Elong- ation (%)
DP 491	1703	40.5	4.5	1.20	32.8	84	4.7
FM 832LL	1654	37.8	4.7	1.18	34.3	84	4.8
DP 393	1627	40.0	4.7	1.15	31.9	84	6.8
TAM 96 WD-22	1590	40.3	4.5	1.14	28.8	81	5.9
DP 494 RR	1577	41.3	4.8	1.19	33.5	85	5.7
FM 800BR	1577	38.4	4.3	1.21	32.9	85	5.1
TAM 98 D-99ne	1567	37.1	5.3	1.11	32.8	84	5.4
FM 960BR	1566	37.0	4.5	1.13	34.2	83	4.2
ST 5599BR	1548	39.1	4.7	1.13	30.2	82	4.6
SG 215 BG/RR	1538	38.2	5.0	1.09	29.5	83	6.6
ST 4691B	1536	39.9	5.1	1.14	29.4	82	5.0
DP 432 RR	1534	39.4	4.8	1.12	31.4	84	6.6
NuCOTN 33 B	1532	36.8	4.8	1.12	30.7	83	6.0
DP 444 BG/RR	1522	40.2	4.6	1.13	30.8	83	5.4
ST 4892BR	1517	40.1	4.9	1.15	31.5	84	5.4
FM 960RR	1512	38.9	4.0	1.16	33	83	4.1
ST 5242BR	1485	38.7	4.7	1.10	29.4	82	5.8
DP 488 BG/RR	1469	39.0	4.5	1.19	33.8	83	5.2
FM 960B2R-1	1449	36.6	4.6	1.20	33.7	83	3.8
PSC 355	1443	38.9	5.2	1.09	31.6	84	6.9
FM 991BR	1441	38.1	4.8	1.15	32.8	84	5.1
DP 434 RR	1437	40.7	4.3	1.17	30	83	5.9
DP 449 BG/RR	1433	37.6	4.3	1.10	30.8	82	4.9
BCG 30R	1433	35.8	4.3	1.16	31.2	83	5.2
FM 991RR	1432	37.7	4.8	1.16	30.6	83	5.3
FM 832	1429	36.8	4.4	1.20	34.8	84	4.8
DP 424 BGII/RR	1421	37.0	4.6	1.12	30	84	6.3
TAM 98 WW-3	1410	37.3	4.5	1.16	30.9	82	6.1
DP 555 BG/RR	1409	41.4	4.6	1.09	29	80	4.5
FM 819RR	1407	42.2	4.6	1.17	32.6	84	5.3
PHY 410 R	1406	38.8	4.9	1.10	30.6	83	6.5
FM 960B2R-2	1405	37.0	4.6	1.21	32.1	82	4.1
ST 5303R	1400	38.3	5.0	1.11	32.8	85	4.8
BCG 245	1397	36.0	4.1	1.18	35.3	84	4.6
BCG 50R	1395	35.0	4.7	1.14	31	83	5.6

Table WCVT-YLD. Continued.....

Cultivar	Lint Yield (lb/ac)	Gin Turnout (%)	Micro- naire (units)	Length (in)	Strength (g/tex)	UI (ratio)	Elong- ation (%)
FM 800B2R	1378	37.1	4.3	1.22	34.1	85	4.6
ALL-TEX AT089	1373	36.9	4.5	1.14	29.6	83	5.6
FM 966LL	1370	37.4	4.4	1.13	34	84	3.9
ST 4646B2R	1369	38.0	4.4	1.11	29.5	82	5.1
DP 436 RR	1367	35.8	4.6	1.09	30.1	83	6.4
FM 800RR	1350	37.7	4.7	1.18	34.3	85	4.7
DES 816	1319	37.9	4.8	1.08	31	84	5.6
DP 458 B/RR	1313	37.1	4.6	1.12	33.1	82	5.5
ST 1553R	1292	35.2	4.2	1.17	30.8	84	6.0
ST 2448 R	1290	36.2	4.5	1.13	32.5	83	5.6
ALL-TEX TOP-PICK	1287	36.3	4.8	1.15	30.7	84	6.1
BCG 295	1272	35.4	4.8	1.17	31.9	83	4.8
DES 810	1247	37.8	4.7	1.11	32.5	84	5.6
ALL-TEX ATLAS	1226	36.0	4.6	1.07	32.8	83	6.6
PM 1218 BG/RR	1200	37.1	5.3	1.05	29.5	83	5.6
Acala 1517-99	1078	36.5	4.1	1.18	35.6	83	5.5
ALL-TEX MAX-9	1070	36.1	4.5	1.12	32.7	83	4.5
LSD (k=100) <sup>1</sup>	138	1.5	0.3	0.04	2.2	2.0	0.5
%CV	7.2	2.1	3.6	1.90	3.4	1.0	4.8
Mean	1423	37.9	4.6	1.14	31.8	83	5.3

1. Values within columns are different at approximately  $p=0.05$  ( $k=100$ ) if they differ by more than the LSD at the base of the column.