

Table SPCVT-YLD. Agronomic performance and fiber quality of cotton cultivars evaluated in San Patricio County during 2004. (Irrigated)

Cultivar	Lint Yield (lb/ac)	Gin Turnout (%)	Micro- naire (units)	Length (in)	Strength (g/tex)	UI (ratio)	Elong- ation (%)
DPLX 02X39BR	1903	41.8	4.5	1.14	30.8	84	4.9
ST 4646B2R	1835	38.5	4.6	1.11	29.4	83	5.7
ST 5599BR	1789	39.8	4.8	1.11	30.0	83	5.0
DP 555 BG/RR	1777	41.9	4.5	1.10	28.7	82	4.1
FM 960B2R	1740	38.4	4.7	1.18	33.2	83	4.3
STX 6636BR	1707	37.0	4.7	1.17	32.6	84	5.0
DP 444 BG/RR	1687	40.7	4.2	1.14	31.2	84	5.8
STX 4575BR	1677	39.9	4.8	1.13	30.9	84	8.0
FM 960BR	1653	37.1	4.5	1.10	32.1	83	4.1
DP 494 RR	1651	40.3	4.6	1.16	33.6	85	5.8
DPLX 01W93BR	1651	39.1	4.3	1.14	31.6	84	7.5
Syngenta DX241203	1648	37.7	4.5	1.20	31.7	84	5.5
DP 393	1647	40.3	5.1	1.15	31.5	85	7.2
DP 449 BG/RR	1629	38.6	4.7	1.12	31.2	83	5.1
FM 989BR	1628	37.1	4.7	1.13	32.9	84	4.9
DP 424 BGII/RR	1624	36.5	4.6	1.11	29.8	84	6.7
STX 4686R	1621	39.4	4.5	1.15	29.4	83	5.8
DP 432 RR	1615	38.7	4.5	1.14	31.6	84	7.4
DPLX 02T57R	1608	38.5	4.6	1.10	31.8	84	6.7
DES 810	1603	43.9	4.5	1.16	32.0	84	5.9
STX 6848R	1603	36.5	4.9	1.17	33.7	86	5.2
DP 434 RR	1588	41.8	4.5	1.17	29.3	84	6.5
STX 3636B2R	1587	38.4	4.3	1.12	29.3	83	4.9
FM 800BR	1585	36.7	4.0	1.23	35.1	85	5.2
FM 989B2R	1583	36.6	4.1	1.17	33.9	83	4.8
DP 488 BG/RR	1580	38.8	4.3	1.18	31.9	83	5.4
FM 800RR	1574	37.3	4.3	1.18	34.2	85	5.4
FM 958LL	1570	38.8	4.5	1.14	31.2	83	4.8
PHY 410 R	1556	37.9	4.7	1.14	31.7	84	6.8
ST 5242BR	1539	39.2	4.7	1.10	28.8	84	6.1
96 WD-22	1535	38.2	4.3	1.17	29.9	83	6.3
FM 960RR	1518	38.2	4.1	1.16	32.8	83	4.1
FM 832LL	1509	36.8	4.2	1.19	33.1	84	5.1
BCG 30R	1498	34.8	4.3	1.16	31.4	83	5.3
BCG 245	1486	35.2	4.1	1.20	34.6	86	4.3

Table SPCVT-YLD. Continued.....

Cultivar	Lint Yield (lb/ac)	Gin Turnout (%)	Micro- naire (units)	Length (in)	Strength (g/tex)	UI (ratio)	Elong- ation (%)
FM 800B2R	1454	37.8	3.6	1.22	33.1	84	5.2
ST 5303R	1444	38.6	4.7	1.10	33.1	85	5.5
STX 5454B2R	1440	36.9	4.3	1.11	31.8	83	6.4
DP 436 RR	1430	36.0	4.7	1.14	30.1	84	6.7
DP 491	1424	34.6	4.5	1.15	31.8	84	5.4
DES 816	1404	37.1	4.7	1.12	32.5	84	6.2
ALL-TEX TOP-PICK	1389	35.8	4.1	1.17	32.8	84	7.0
98 D-99ne	1360	35.6	4.8	1.14	34.3	84	5.9
ALL-TEX AT089	1292	37.2	4.5	1.17	32.8	85	5.9
BCG 50R	1276	34.1	4.7	1.13	31.9	84	5.6
ALL-TEX AT099	1158	35.7	4.7	1.12	31.5	83	5.7
HA 195	980	35.5	3.9	1.34	38.9	85	5.5
LSD (k=100) <sup>1</sup>	145	4.8	0.3	0.04	2.3	2.0	0.8
%CV	7.1	5.1	3.5	1.90	3.6	1.0	7.1
Mean	1554	37.9	4.5	1.15	31.9	84	5.6

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.