

Table TCVT-YLD. Agronomic performance and fiber quality of Cotton Varieties evaluated at Thrall during 2004. (Dryland)

Cultivar	Lint Yield (lb/ac)	Gin Turnout (%)	Micro-naire (units)	Length (in)	Strength (g/tex)	UI (ratio)	Elongation (%)
ST 5599BR	1335	41.0	4.1	1.10	29.9	82	5.1
DPLX 02X39BR	1300	43.5	3.8	1.12	30.3	82	5.2
ST 5242BR	1188	41.1	4.0	1.10	27.8	83	6.7
STX 4575BR	1146	41.7	3.7	1.10	30.7	85	8.2
STX 4686R	1125	40.5	4.2	1.10	29.0	83	5.7
FM 832LL	1121	39.8	3.9	1.20	33.7	85	4.8
PHY 410 R	1115	40.5	4.4	1.12	29.9	84	7.7
96 WD-22	1100	40.5	3.7	1.14	29.7	83	6.4
FM 960BR	1095	39.4	3.9	1.10	31.9	83	4.5
FM 960B2R	1095	39.3	4.0	1.16	30.7	83	4.7
STX 6636BR	1094	38.6	4.1	1.13	31.3	84	5.1
DP 555 BG/RR	1083	44.1	4.5	1.07	27.8	81	5.2
DP 491	1077	42.7	4.2	1.18	32.1	84	5.3
FM 800BR	1076	40.5	3.9	1.19	34.2	86	5.6
DP 488 BG/RR	1073	40.7	4.0	1.12	29.5	82	5.4
BCG 28R	1072	41.6	4.6	1.11	28.3	83	5.7
DP 432 RR	1068	41.3	4.3	1.12	30.6	84	7.4
DPLX 01W93BR	1067	41.9	3.6	1.09	31.7	83	7.3
DP 393	1049	41.6	3.8	1.12	30.3	84	7.3
DP 458 B/RR	1047	38.8	4.1	1.09	30.0	83	6.2
DP 494 RR	1031	42.3	4.3	1.14	33.3	84	6.2
FM 958LL	1015	39.5	4.0	1.15	31.8	83	5.1
98-D-99ne	1000	37.8	4.4	1.17	34.2	85	6.2
STX 3636B2R	996	40.2	3.8	1.09	27.6	82	5.4
FM 958	989	41.5	4.4	1.15	31.2	84	4.9
DES 810	983	37.7	4.2	1.10	30.5	83	6.9
FM 960RR	976	39.7	3.7	1.11	31.0	82	4.6
PSC 355	975	41.1	4.5	1.10	32.9	84	7.5
DP 436 RR	972	36.5	4.0	1.09	28.9	82	6.8
DP 444 BG/RR	964	38.2	4.0	1.12	30.9	83	6.3
DP 449 BG/RR	949	39.6	3.7	1.10	28.5	83	5.7
STX 6848R	932	37.2	4.2	1.12	33.6	85	4.9
SG 215 BG/RR	913	39.5	3.8	1.08	27.7	84	7.6
ST 4646B2R	909	39.6	3.8	1.08	28.5	82	5.9
Acala 1517-99	906	39.4	4.0	1.17	33.9	85	6.0

Table TCVT-YLD. Continued.....

Cultivar	Lint Yield (lb/ac)	Gin Turnout (%)	Micro- naire (units)	Length (in)	Strength (g/tex)	UI (ratio)	Elong- ation (%)
ST 4892BR	904	41.3	4.3	1.06	29.6	83	6.0
BCG 24R	895	39.4	4.0	1.08	29.5	82	7.3
FM 989BR	879	38.2	3.8	1.13	31.5	82	5.5
DP 424 BGII/RR	877	37.1	3.7	1.07	29.1	83	7.2
FM 800B2R	874	39.3	4.0	1.17	33.8	84	5.4
FM 819RR	859	43.1	4.0	1.15	31.4	84	5.9
ST 5303R	853	38.6	4.0	1.06	32.2	84	5.9
DP 434 RR	852	42.3	4.2	1.11	29.1	83	6.7
FM 989B2R	852	36.2	3.5	1.15	31.2	83	4.6
DES 816	850	39.8	4.3	1.09	31.6	84	6.8
DPLX 03Q301DR	806	40.6	3.9	1.11	29.4	82	5.1
ALL-TEX ATLAS	759	38.6	3.8	1.10	30.7	83	7.1
ALL-TEX 85096 RR	745	37.0	3.5	1.15	31.1	84	6.4
ALL-TEX EXCESS RR	704	36.4	4.0	1.11	32.1	83	6.3
ST 1553R	703	34.5	3.2	1.18	31.7	83	6.7
ALL-TEX AT099	679	35.9	3.8	1.08	32.5	83	6.0
ST 2448 R	671	36.7	4.0	1.12	33.1	84	6.1
HA 175	658	35.2	3.3	1.29	38.6	87	6.2
STX 5454B2R	652	37.3	4.3	1.09	29.8	83	6.4
ALL-TEX AT005	620	37.1	4.2	1.01	30.9	80	5.8
DPLX 02T57R	519	36.6	3.5	1.10	28.7	81	5.7
LSD (k=100) ¹	152	2.2	0.5	0.04	2.2	1.8	0.6
%CV	12.2	2.9	6.0	1.90	3.6	1.0	5.6
Mean	947	39.4	4.0	1.12	30.9	83	6.0

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.