Table 1. 2015 Cotton Variety Test and Preliminary VarietyTest locations, soil type, planting date, harvest date and irrigation data.

Location	Soil Type	Planting Date	Harvest Date	Treatment
Weslaco	Hildago s.c.l.[1]	3/28/2015	8/18/2015	Irrigated
Corpus Christi	Victoria clay	3/23/2015	8/24/2015	Dryland
San Patricio Co.	Victoria clay	5/6/2015	10/9/2015	Irrigated
San Patricio Co.	Victoria clay	5/6/2015	10/9/2015	Dryland
Upper Coast	Lake Charles clay	5/7/2015	no harvest	Dryland
College Station	Westwood s.l.[2]	4/13/2015	9/18/2015	Irrigated
College Station	Westwood s.l.[2]	4/14/2015	9/16/2015	Dryland
Thrall	Burleson clay	4/28/2015	10/29/2015	Dryland
Commerce	Houston c.l.[3]	6/8/2015	11/7/2015	Dryland
Chillicothe	Abilene c.l.[3]	6/9/2015	11/10/2015	Irrigated

1. s.c.l.=sandy clay loam
2. s.l.=silt loam
3. c.l.=clay loam

Table 2. 15 WCVT. Agronomic performance and fiber quality of cotton cultivars evaluated at Weslaco during 2015. (Irrigated)

Cultivar	Lint Yield (lb/ac)	Gin Turnout (%)	Micro-naire (units)	Length (in)	Strength (g/tex)	UI (ratio)	Elong-ation (%)	Work to Break
PHY 312 WRF	1786	39.6	4.5	1.19	30.2	85.4	8.0	240
DP 1646 B2XF	1721	42.1	4.4	1.24	29.8	84.4	8.6	254
TAM 13 Q-18	1709	39.6	4.4	1.18	30.5	83.9	8.4	256
All-Tex Nitro 44	1664	38.5	4.0	1.20	30.9	83.5	7.3	225
UA 222	1659	38.3	4.4	1.21	31.2	84.4	7.9	245
New Strain	1639	41.9	4.9	1.04	27.2	83.3	7.5	203
DPL 1219 B2RF	1624	40.4	4.3	1.17	30.8	82.8	6.9	211
DP 1518 B2XF	1604	40.1	4.2	1.16	28.4	83.5	7.2	203
UA 103	1589	38.9	4.5	1.17	29.4	84.4	7.5	219
PHY 444 WRF	1550	42.2	4.0	1.23	29.7	84.7	7.0	208
NG 5007 B2XF	1527	41.2	4.5	1.15	28.4	82.0	8.0	227
PHY 552 WRF	1518	41.8	4.3	1.17	29.7	84.8	7.7	227
NG 3405 B2XF	1516	40.3	4.4	1.09	25.8	82.1	7.8	202
DP 1044 B2RF	1513	38.2	4.7	1.10	29.5	83.3	7.7	226
DP 1553 B2XF	1504	42.5	4.7	1.16	29.0	84.4	7.9	227
TAM 10 X-54	1493	39.1	4.5	1.16	31.4	82.7	6.5	202
TAM 10 X-78	1469	36.9	4.3	1.16	31.2	84.0	6.9	215
DP 1522 B2XF	1464	39.6	4.8	1.15	30.0	83.6	8.5	255
PHY 333 WRF	1460	39.4	4.5	1.21	29.6	84.2	6.9	204
TAM 10 X-64	1455	38.0	4.6	1.17	30.7	83.7	6.2	190
NG 1511 B2RF	1446	42.1	4.7	1.13	29.2	84.0	8.2	237
FM 2484 B2F	1439	39.6	4.2	1.15	32.6	83.5	6.1	197
PHY 495 WRF	1430	44.2	4.7	1.06	30.2	84.4	8.0	241
TAM 10 X-63	1429	37.6	4.6	1.11	31.3	82.8	7.4	232
NG 3406 B2XF	1428	38.6	4.4	1.13	28.3	84.5	9.3	261
TAM 10 WG-11	1408	36.8	4.0	1.24	30.6	84.0	6.0	184
Phy 499 WRF	1406	40.9	4.7	1.14	31.4	84.7	8.1	252
HQ210CT	1384	37.8	4.6	1.06	28.3	81.4	7.2	204
DP 1359 B2RF	1383	42.3	4.6	1.12	30.6	83.1	6.4	195
ST 4946GLB2	1328	39.0	4.9	1.14	30.7	83.8	8.1	247
TAM 11 K-13	1320	34.0	4.2	1.33	33.4	85.5	6.2	207
DP 0912B2RF	1312	36.4	5.2	1.09	27.7	83.6	7.9	216
TAM 10 WD-08	1301	35.7	4.1	1.27	33.2	85.6	6.5	216
TAM 10 WE-61	1285	35.1	4.5	1.28	33.0	85.7	7.0	229
DP 1639 B2XF	1274	36.3	4.8	1.13	30.2	84.1	8.0	241
DP 1555 B2RF	1258	41.0	4.4	1.16	30.7	83.6	6.4	196
Croplan 3787 B2RF	1245	41.7	4.6	1.13	27.9	84.1	8.5	237
New Strain	1239	36.1	4.6	1.18	29.2	83.7	5.6	164
TAM 11 L-24	1219	34.8	4.0	1.22	32.4	84.3	6.2	201
TAM 11 T-08	1169	33.8	4.1	1.32	32.4	84.5	6.7	217
DP 1549 B2XF	1116	43.5	4.5	1.12	29.6	83.0	6.6	195

Cultivar	Lint Yield (lb/ac)	Gin Turnout (%)	Micro-naire (units)	Length (in)	Strength (g/tex)	UI (ratio)	Elong-ation (%)	Work to Break
PHY 725RF	1073	40.5	4.4	1.18	32.9	84.2	7.8	255
TAM 11 Q-56	1013	32.1	3.7	1.37	30.1	84.3	6.7	200
LSD (k=100)[1]	222	3.9	0.3	0.05	1.9	1.3	1.0	27.7
LSD (k=50)[2]	191	3.4	.	.	.	.	.	.
%CV	11	4.9	3.6	2.30	3.2	0.7	7.0	6.3
Mean	1429	39.0	4.4	1.17	30.2	83.9	7.3	220

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.

2. Lint yield values are different at approximately p=0.10 (k=50) if they differ by more than the at the LSD base of the lint yield column.

Table 3. 15 CCVT. Agronomic performance and fiber quality of cotton cultivars evaluated at Corpus Christi during 2015. (Dryland)

Cultivar	Lint Yield (lb/ac)	Gin Turnout (%)	Micro-naire (units)	Length (in)	Strength (g/tex)	UI (ratio)	Elong-ation (%)	Work to Break
ST 4946GLB2	1265	36.7	4.4	1.12	34.2	85.0	7.5	254
Croplan 3787 B2RF	1215	39.1	4.3	1.11	29.9	83.5	9.4	280
TAM 13 Q-18	1203	36.7	4.0	1.19	32.6	85.4	6.9	224
PHY 552 WRF	1172	38.7	3.8	1.14	31.8	84.0	7.0	224
NG 1511 B2RF	1145	39.5	4.3	1.09	32.1	83.3	8.6	275
PHY 333 WRF	1145	37.0	4.0	1.15	30.7	83.0	6.8	209
PHY 444 WRF	1144	39.5	3.5	1.22	32.6	84.4	7.5	244
Phy 499 WRF	1132	38.0	4.2	1.10	33.0	83.9	8.4	277
PHY 312 WRF	1131	36.9	4.3	1.19	32.2	84.7	7.7	248
TAM 10 X-54	1121	36.5	3.9	1.15	33.9	83.2	6.6	222
DP 1646 B2XF	1100	39.4	4.1	1.21	31.1	84.2	8.0	249
PHY 495 WRF	1094	41.3	4.3	1.05	32.5	84.0	8.4	273
All-Tex Nitro 44	1086	35.7	3.5	1.20	32.2	84.9	8.0	255
DP 1518 B2XF	1070	37.7	3.9	1.15	30.4	84.1	6.2	187
TAM 10 WG-11	1067	34.2	4.0	1.26	30.8	82.5	6.4	196
DP 1044 B2RF	1046	35.0	3.9	1.10	30.2	83.1	9.6	288
NG 3405 B2XF	1020	37.5	4.0	1.07	26.5	82.0	7.3	193
DP 0912B2RF	1016	33.6	4.6	1.05	29.5	83.7	7.7	226
DP 1549 B2XF	1014	40.4	4.2	1.10	30.3	82.5	6.3	189
DP 1359 B2RF	995	39.0	4.2	1.10	30.1	81.7	6.9	206
DPL 1219 B2RF	983	37.7	4.2	1.13	30.8	83.2	6.6	203
NG 3406 B2XF	958	35.9	4.4	1.11	29.4	84.1	8.5	250
TAM 10 X-78	949	34.6	3.9	1.16	34.3	84.7	6.2	213
TAM 10 X-64	945	35.1	3.8	1.15	33.5	83.7	6.3	211
HQ210CT	935	35.1	4.4	1.10	31.8	83.6	7.4	233
UA 103	934	36.2	4.0	1.18	33.5	84.6	8.1	269
UA 222	924	35.6	4.2	1.19	32.1	84.6	8.4	268
TAM 10 WD-08	919	33.0	3.6	1.23	33.6	85.4	7.0	235
TAM 11 Q-56	908	29.7	3.6	1.30	32.2	84.2	7.0	225
DP 1639 B2XF	863	33.3	4.6	1.10	32.7	84.3	8.1	263
TAM 10 WE-61	862	32.7	3.9	1.21	36.2	84.8	7.0	253
DP 1522 B2XF	853	36.9	4.3	1.12	31.8	83.4	9.2	292
NG 5007 B2XF	826	38.2	4.0	1.12	29.7	83.7	8.3	246
FM 2484 B2F	826	36.7	3.4	1.18	31.3	84.2	6.2	194
TAM 10 X-63	823	34.7	4.2	1.11	31.2	83.0	6.5	200
TAM 11 K-13	805	31.4	3.7	1.40	33.0	85.1	5.7	188
New Strain	797	38.7	4.5	1.06	27.7	83.3	7.2	199
TAM 11 L-24	788	32.2	3.8	1.30	34.0	85.5	6.6	224
TAM 11 T-08	788	31.1	3.6	1.29	38.1	84.9	6.6	251
New Strain	783	32.9	4.4	1.18	32.3	83.6	5.1	165
PHY 725RF	673	38.2	4.1	1.16	36.8	84.1	7.5	276

Cultivar	Lint Yield (lb/ac)	Gin Turnout (%)	Micro-naire (units)	Length (in)	Strength (g/tex)	UI (ratio)	Elong-ation (%)	Work to Break
LSD (k=100)[1]	177	3.8	0.3	0.05	2.2	2.2	1.9	35.2
LSD (k=50)[2]	152	3.3	.	.	.	.	.	.
%CV	12.8	5.1	4.2	2.40	3.6	1.0	6.8	7.7
Mean	983	36.2	4.0	1.16	32.0	83.9	7.3	234

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.

2. Lint yield values are different at approximately p=0.10 (k=50) if they differ by more than the at the LSD base of the lint yield column.

Table 4. 15 SPCVT-I. Agronomic performance and fiber quality of cotton cultivars evaluated in San Patricio County 2015. (Irrigated)

Cultivar	Lint Yield (lb/ac)	Gin Turnout (%)	Micro-naire (units)	Length (in)	Strength (g/tex)	UI (ratio)	Elong-ation (%)	Work to Break
PHY 552 WRF	1914	42.3	4.0	1.10	32.0	83.8	6.0	190
DP 1555 B2RF	1730	44.3	4.8	1.09	34.1	83.9	5.9	198
Phy 499 WRF	1655	43.1	4.6	1.08	34.2	84.2	6.7	226
DP 0912B2RF	1575	38.8	4.3	1.06	31.9	83.0	6.8	216
DP 1518 B2XF	1574	40.8	4.2	1.12	30.3	83.6	5.9	178
DP 1646 B2XF	1461	42.4	4.4	1.19	33.8	84.4	5.9	198
PHY 312 WRF	1452	40.6	4.3	1.13	36.1	84.6	6.0	216
DP 1522 B2XF	1411	41.0	4.3	1.08	32.4	83.9	7.6	245
New Strain	1408	43.0	4.8	1.02	29.1	82.6	5.9	171
PHY 333 WRF	1304	42.8	4.0	1.10	31.6	83.4	5.5	172
NG 3406 B2XF	1252	42.1	4.0	1.06	32.4	82.7	7.3	235
DPL 1219 B2RF	1202	40.9	4.6	1.12	33.8	82.2	4.7	158
FM 2484 B2F	1196	39.2	4.0	1.13	35.1	84.0	5.3	186
ST 4946GLB2	1169	39.9	4.1	1.10	33.1	83.3	6.8	223
PHY 444 WRF	1165	44.3	4.0	1.17	33.7	84.8	6.3	212
DP 1044 B2RF	1160	40.3	4.0	1.06	30.9	82.0	7.4	227
NG 3405 B2XF	1124	40.2	4.2	1.04	26.3	82.3	5.5	144
PHY 495 WRF	1110	43.3	4.7	1.02	34.1	83.3	7.2	245
DP 1639 B2XF	1073	43.9	5.2	1.12	36.0	84.5	6.2	223
DP 1359 B2RF	1058	40.3	4.2	1.09	32.7	82.3	4.8	155
DP 1549 B2XF	1053	41.8	4.8	1.04	31.5	82.7	5.4	168
NG 5007 B2XF	985	42.5	4.6	1.09	28.7	83.2	6.7	191
DP 1553 B2XF	980	42.4	5.0	1.13	33.2	84.5	6.7	221
PHY 725RF	962	36.5	4.4	1.15	37.9	85.0	6.2	235
New Strain	899	39.5	4.7	1.15	31.4	83.7	4.0	125
LSD (k=100)[1]	474	4.0	0.6	0.04	2.5	1.7	1.1	30.5
LSD (k=50)[2]	403	3.3	.	.	.	.	.	.
%CV	18.6	3.9	6.2	1.70	3.9	0.9	8.6	7.7
Mean	1295	41.4	4.4	1.09	32.6	83.5	6.1	198

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.

2. Lint yield values are different at approximately p=0.10 (k=50) if they differ by more than the at the LSD base of the lint yield column.

Table 5. 15 SPCVT-D. Agronomic performance and fiber quality of cotton cultivars evaluated in San Patricio County 2015. (Dryland)

Cultivar	Lint Yield (lb/ac)	Gin Turnout (%)	Micro-naire (units)	Length (in)	Strength (g/tex)	UI (ratio)	Elong-ation (%)	Work to Break
PHY 312 WRF	1561	42.8	4.6	1.15	35.9	85.7	6.2	223
PHY 444 WRF	1529	42.0	4.2	1.19	34.6	85.5	5.9	202
CT 15426 B2XF	1417	42.8	5.0	1.10	32.7	83.4	7.5	244
Phy 499 WRF	1411	40.5	4.7	1.08	34.9	84.7	7.2	249
PHY 495 WRF	1389	42.8	4.7	1.06	36.0	84.0	7.3	262
DP 1044 B2RF	1368	39.7	4.7	1.08	33.5	82.7	7.2	241
NG 3406 B2XF	1368	41.3	4.8	1.11	31.4	84.3	7.5	234
DP 0912B2RF	1294	38.2	5.1	1.08	31.9	83.6	6.2	196
NG 5007 B2XF	1287	40.6	4.7	1.16	30.8	84.7	6.3	194
DP 1518 B2XF	1274	40.3	4.5	1.12	32.1	85.0	5.9	189
DP 1639 B2XF	1271	44.6	5.3	1.11	35.2	84.8	6.4	225
CT 15545 B2XF	1265	43.1	5.5	1.08	35.0	82.9	6.0	209
New Strain	1260	37.7	4.7	1.23	35.2	84.9	4.4	153
DPL 1219 B2RF	1256	38.3	4.5	1.12	34.6	81.8	5.2	180
PHY 333 WRF	1253	41.4	4.2	1.18	32.4	85.1	5.2	167
ST 4946GLB2	1253	38.6	4.5	1.14	36.7	84.4	6.4	234
DP 1549 B2XF	1247	39.3	4.6	1.11	34.5	82.7	5.3	182
PHY 552 WRF	1245	37.1	4.3	1.25	29.0	83.7	7.3	200
New Strain	1228	41.3	5.1	1.07	32.4	83.3	6.3	203
DP 1646 B2XF	1228	42.3	4.8	1.20	33.3	83.9	6.6	219
DP 1359 B2RF	1215	40.5	4.9	1.12	35.0	83.8	4.9	170
DP 1522 B2XF	1210	41.7	4.9	1.13	35.1	84.2	6.5	226
PHY 725RF	1080	37.7	4.5	1.18	39.6	84.2	6.7	265
NG 3405 B2XF	1065	39.0	4.6	1.07	28.7	82.8	5.5	156
FM 2484 B2F	909	40.7	4.6	1.13	35.8	82.8	4.5	159
LSD (k=100)[1]	247	ns	0.4	0.10	4.5	1.9	1.3	27.0
LSD (k=50)[2]	211	.	.	.	.	.	.	.
%CV	11.4	5.0	4.4	4.00	5.7	1.0	9.8	6.7
Mean	1277	40.5	4.7	1.13	33.8	84.0	6.2	207

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.

2. Lint yield values are different at approximately p=0.10 (k=50) if they differ by more than the at the LSD base of the lint yield column.

Table 6. 15 CSCVT-I. Agronomic performance and fiber quality of cotton cultivars evaluated at College Station during 2015. (Irrigated)

Cultivar	Lint Yield (lb/ac)	Gin Turnout (%)	Micro-naire (units)	Length (in)	Strength (g/tex)	UI (ratio)	Elong-ation (%)	Work to Break
DP 1518 B2XF	1530	41.0	4.7	1.15	28.9	83.6	6.4	185
DP 1639 B2XF	1518	44.1	5.4	1.12	32.3	84.2	8.4	271
PHY 552 WRF	1499	43.4	4.6	1.10	31.1	83.4	7.2	224
PHY 444 WRF	1413	44.3	4.5	1.25	31.3	86.2	6.6	204
NG 3406 B2XF	1387	43.1	4.6	1.11	32.5	84.1	7.9	256
DP 1646 B2XF	1386	42.7	4.8	1.23	31.9	83.9	7.4	234
DP 1555 B2RF	1381	44.3	5.1	1.13	33.0	83.7	7.8	255
UA 222	1355	40.1	5.2	1.20	33.2	85.1	7.7	255
DP 1359 B2RF	1326	43.4	5.0	1.13	32.2	83.0	6.3	201
PHY 312 WRF	1306	41.7	4.7	1.15	31.5	84.1	6.8	214
New Strain	1305	42.6	5.2	1.07	28.5	82.8	7.2	205
NG 1511 B2RF	1270	42.1	4.8	1.10	32.5	82.9	7.7	249
NG 3405 B2XF	1264	41.7	4.6	1.10	26.9	83.1	6.6	178
DPL 1219 B2RF	1239	44.7	4.8	1.10	32.3	82.8	6.5	209
DP 1549 B2XF	1213	44.1	5.0	1.07	29.0	82.3	6.5	188
TAM 10 X-64	1208	39.0	4.8	1.19	34.8	84.6	6.1	212
DP 1553 B2XF	1190	44.2	4.6	1.15	31.2	83.4	7.6	235
DP 1522 B2XF	1158	42.0	5.1	1.12	31.8	84.0	8.4	267
DP 1044 B2RF	1150	39.7	4.5	1.12	29.7	82.8	8.5	252
Phy 499 WRF	1126	43.4	4.7	1.10	33.2	83.8	8.4	278
TAM 10 X-78	1087	38.2	4.7	1.16	34.7	82.9	5.7	197
DP 0912B2RF	1058	40.0	5.1	1.07	30.2	83.0	7.2	218
TAM 10 X-54	1050	39.6	4.6	1.18	33.3	83.5	5.1	168
All-Tex Nitro 44	1046	39.2	4.2	1.14	34.0	83.2	7.3	248
New Strain	1032	39.2	5.0	1.17	30.3	82.5	5.0	150
FM 2484 B2F	1032	39.1	4.4	1.21	32.5	84.7	5.7	183
PHY 495 WRF	1030	44.5	4.8	1.08	33.0	84.4	7.3	239
BRS 286	1024	37.2	5.0	1.10	32.2	83.5	6.0	193
Croplan 3787 B2RF	1021	43.8	4.8	1.09	28.1	83.8	8.2	231
TAM 13 Q-18	980	36.7	4.9	1.16	35.0	83.3	6.2	214
NG 5007 B2XF	976	43.2	4.6	1.13	28.2	83.4	8.3	232
PHY 333 WRF	950	42.0	4.6	1.16	30.8	84.5	6.2	191
BRS 335	932	39.9	4.7	1.10	28.8	82.4	6.7	191
TAM 10 WD-08	932	38.0	4.2	1.20	34.9	84.9	6.8	237
HQ210CT	924	38.7	5.1	1.07	30.1	81.8	6.3	188
TAM 11 Q-56	920	33.8	3.9	1.31	34.9	84.9	7.2	251
ST 4946GLB2	911	40.2	5.1	1.09	31.8	83.9	7.3	232
BRS 269	907	38.7	5.2	1.13	31.6	82.2	5.4	169
TAM 11 L-24	896	35.7	4.6	1.26	34.0	85.8	6.5	221
TAM 10 X-63	848	39.5	5.0	1.07	30.5	82.8	6.3	192

Cultivar	Lint Yield (lb/ac)	Gin Turnout (%)	Micro-naire (units)	Length (in)	Strength (g/tex)	UI (ratio)	Elong-ation (%)	Work to Break
DP 1518 B2XF	1530	41.0	4.7	1.15	28.9	83.6	6.4	185
TAM 10 WE-61	803	37.5	4.8	1.28	35.3	85.6	6.1	215
TAM 10 WG-11	791	38.0	4.3	1.26	32.2	83.1	5.1	162
TAM 11 K-13	780	34.7	4.3	1.38	35.4	85.4	6.1	214
TAM 11 T-08	705	35.6	4.3	1.28	37.7	84.5	6.8	256
BRS 293	696	38.5	5.1	1.12	32.0	83.1	6.4	202
PHY 725RF	689	37.9	4.4	1.20	36.9	83.9	7.3	267
LSD (k=100)[1]	377	1.7	0.4	0.05	2.3	1.7	1.2	33.9
LSD (k=50)[2]	324	1.5	.	.	.	.	.	.
%CV	20.0	2.3	4.6	2.4	3.7	0.9	8.7	7.9
Mean	1095	40.4	4.7	1.15	32.1	83.7	6.8	218

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.

2. Lint yield values are different at approximately p=0.10 (k=50) if they differ by more than the at the LSD base of the lint yield column.

Table 7. 15 CSCVT-D. Agronomic performance and fiber quality of cotton cultivars evaluated at College Station during 2015. (Dryland)

Cultivar	Lint Yield (lb/ac)	Gin Turnout (%)	Micro-naire (units)	Length (in)	Strength (g/tex)	UI (ratio)	Elong-ation (%)	Work to Break
PHY 552 WRF	1475	46.3	4.7	1.13	31.9	83.4	7.6	242
DPL 1219 B2RF	1352	42.9	4.3	1.12	30.9	81.2	6.6	202
Phy 499 WRF	1223	44.5	4.8	1.10	34.6	84.6	8.5	294
NG 3406 B2XF	1188	41.4	4.5	1.13	30.9	84.6	8.2	253
DP 1639 B2XF	1144	46.2	5.1	1.13	34.9	84.3	7.9	273
UA 222	1132	38.7	4.2	1.19	34.9	83.5	8.2	286
New Strain	1128	43.1	5.0	1.07	28.2	83.7	7.6	214
BRS 286	1125	40.4	4.8	1.06	28.6	82.5	7.1	203
PHY 312 WRF	1122	41.7	4.6	1.13	31.8	84.5	6.5	206
PHY 495 WRF	1106	45.0	4.7	1.09	34.5	84.5	8.1	280
DP 1549 B2XF	1106	43.7	4.7	1.07	28.9	81.3	6.4	183
DP 0912B2RF	1105	39.2	4.8	1.08	30.3	83.2	7.1	215
BRS 335	1099	39.2	4.2	1.12	29.3	82.6	6.0	176
DP 1646 B2Xf	1099	44.2	4.6	1.21	32.6	83.2	7.6	246
NG 3405 B2XF	1073	44.0	4.8	1.09	27.2	83.1	6.8	184
PHY 333 WRF	1058	40.9	4.6	1.14	30.9	83.8	6.5	199
TAM 10 WG-11	1050	37.4	4.0	1.30	33.0	83.4	5.8	191
NG 5007 B2XF	1042	43.2	4.5	1.12	29.2	82.9	7.4	216
PHY 444 WRF	1033	44.1	4.2	1.20	31.9	84.7	7.6	242
DP 1522 B2XF	1022	41.3	4.5	1.12	33.8	83.8	8.6	290
DP 1044 B2RF	1010	39.9	4.1	1.09	30.0	82.8	8.7	259
BRS 293	991	39.7	5.0	1.12	34.0	83.2	7.1	242
TAM 10 X-78	976	39.3	4.7	1.11	33.2	83.6	5.6	186
DP 1359 B2RF	969	43.7	5.0	1.10	31.5	82.8	6.4	199
TAM 10 X-63	953	40.4	4.7	1.08	31.3	82.6	6.7	209
BRS 269	935	39.4	4.9	1.12	30.7	83.0	5.9	179
TAM 13 Q-18	913	37.2	4.4	1.13	30.6	82.7	7.1	216
New Strain	911	38.7	4.8	1.20	30.2	83.0	5.6	167
ST 4946GLB2	901	39.3	4.5	1.12	33.5	83.9	7.9	263
FM 2484 B2F	885	40.8	4.0	1.18	31.4	83.3	6.0	187
TAM 10 X-64	874	38.6	4.3	1.19	33.9	84.3	6.3	211
PHY 725RF	849	37.4	4.6	1.17	36.8	83.0	7.0	256
TAM 11 Q-56	828	33.7	3.7	1.34	33.6	85.2	6.3	211
TAM 10 X-54	825	38.2	4.5	1.20	34.2	83.8	5.2	176
TAM 11 K-13	790	36.5	4.1	1.31	35.2	84.1	6.0	209
TAM 11 L-24	703	35.0	4.2	1.27	36.1	85.5	6.1	220
TAM 10 WE-61	698	38.0	4.7	1.21	34.9	83.5	7.4	257
TAM 10 WD-08	690	38.6	4.2	1.24	35.6	84.9	7.5	265
TAM 11 T-08	678	34.9	3.9	1.31	37.1	84.5	7.0	257
HQ210CT	578	40.2	4.6	1.06	29.2	81.3	7.5	217

Cultivar	Lint Yield (lb/ac)	Gin Turnout (%)	Micro-naire (units)	Length (in)	Strength (g/tex)	UI (ratio)	Elong-ation (%)	Work to Break
PHY 552 WRF	1475	46.3	4.7	1.13	31.9	83.4	7.6	242
LSD (k=100)[1]	133	1.9	0.4	0.09	2.4	3.1	0.7	25.3
LSD (k=50)[2]	114	1.6	.	.	.	.	.	.
%CV	9.4	2.6	5.2	3.8	3.9	1.4	7.2	8.1
Mean	763	38.5	4.1	1.17	31.4	83.6	5.0	158

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.

2. Lint yield values are different at approximately p=0.10 (k=50) if they differ by more than the at the LSD base of the lint yield column.

Table 8. 15 TCVT-D. Agronomic performance and fiber quality of cotton cultivars evaluated at Thrall during 2015. (Dryland)

Cultivar	Lint Yield (lb/ac)	Gin Turnout (%)	Micro-naire (units)	Length (in)	Strength (g/tex)	UI (ratio)	Elong-ation (%)	Work to Break
PHY 444 WRF	304	46.2	4.2	1.08	28.5	82.2	8.1	230
PHY 495 WRF	300	46.8	4.6	0.94	30.0	81.5	8.7	261
ST 4946GLB2	300	41.1	4.8	1.04	32.5	82.1	7.6	247
TAM 11 K-13	290	38.0	4.4	1.21	35.4	82.2	6.3	221
Croplan 3787 B2RF	284	45.5	4.9	1.00	28.3	80.9	9.2	260
PHY 333 WRF	280	44.6	4.3	0.98	25.7	81.1	6.2	158
PHY 312 WRF	279	43.5	5.0	0.97	25.9	80.1	7.9	203
BRS 286	278	40.5	5.0	0.92	25.8	80.5	6.6	170
BRS 335	276	40.4	4.6	0.97	25.1	79.2	6.5	162
NG 3406 B2XF	274	44.6	5.2	0.95	27.5	80.8	8.4	229
TAM 11 Q-56	263	36.8	4.0	1.17	34.4	81.5	6.9	237
Phy 499 WRF	262	44.6	4.5	0.93	28.8	80.1	9.2	265
FM 2484 B2F	259	42.3	4.6	1.05	29.5	81.0	6.9	202
NG 5007 B2XF	259	45.4	4.6	1.00	25.8	80.4	8.4	215
NG 3405 B2XF	258	45.0	5.2	0.94	23.9	78.8	6.4	152
TAM 10 WD-08	254	39.5	4.6	1.08	34.2	81.4	8.6	292
DP 1044 B2RF	248	41.4	5.0	0.98	27.9	80.2	8.4	233
NG 1511 B2RF	246	44.6	4.8	0.97	28.3	80.2	9.1	256
DP 0912B2RF	241	42.9	5.1	0.95	26.8	80.0	8.1	215
PHY 725RF	238	39.6	4.2	1.08	35.2	81.2	8.8	308
New Strain	234	41.7	4.9	1.07	27.8	81.6	5.7	158
TAM 10 X-78	229	39.7	4.7	1.00	30.5	80.9	6.9	210
DP 1522 B2XF	224	44.8	4.6	0.96	27.7	80.2	9.3	256
PHY 552 WRF	222	43.5	4.3	0.99	29.2	80.1	7.5	218
BRS 269	219	37.9	4.8	1.02	28.8	80.4	6.1	174
DPL 1219 B2RF	218	42.4	4.9	0.96	27.5	79.3	7.6	209
TAM 11 L-24	216	36.9	4.3	1.12	31.7	81.8	6.9	217
TAM 10 X-54	215	40.9	4.9	1.02	27.5	80.4	6.9	188
TAM 10 X-63	214	39.8	4.8	0.97	28.5	78.4	8.0	227
DP 1549 B2XF	214	43.1	5.3	0.96	27.4	79.8	6.9	189
TAM 10 WE-61	213	38.1	4.6	1.10	34.1	81.9	7.3	248
TAM 10 WG-11	209	41.5	4.1	1.16	30.6	82.0	6.5	198
DP 1639 B2XF	205	45.8	5.4	0.98	31.0	81.5	8.9	276
HQ210CT	202	38.7	4.9	0.96	27.5	80.8	7.1	196
DP 1359 B2RF	200	42.7	4.9	0.99	29.0	79.7	7.4	214
BRS 293	199	38.5	4.4	1.03	31.0	81.8	7.4	229
All-Tex Nitro 44	193	40.9	4.4	1.04	33.7	81.2	8.3	278
TAM 10 X-64	189	39.4	4.6	1.02	30.8	81.1	7.4	225
TAM 11 T-08	183	35.3	4.1	1.14	38.0	82.2	7.5	285
New Strain	176	43.9	5.2	0.88	24.0	78.1	6.9	165

Cultivar	Lint Yield (lb/ac)	Gin Turnout (%)	Micro-naire (units)	Length (in)	Strength (g/tex)	UI (ratio)	Elong-ation (%)	Work to Break
PHY 444 WRF	304	46.2	4.2	1.08	28.5	82.2	8.1	230
CT 15426 B2XF	165	47.1	5.1	0.99	29.4	81.8	9.3	271
DP 1646 B2XF	133	42.3	4.8	1.08	27.5	81.4	6.0	163
UA 222	128	40.0	4.6	1.01	29.0	81.0	8.2	238
LSD (k=100)[1]	72	1.7	0.7	0.06	2.4	2.6	1.2	37.1
LSD (k=50)[2]	62	1.4	.	.	.	.	.	.
%CV	20.6	2.2	6.6	3.0	4.5	1.2	7.9	8.7
Mean	232	41.8	4.7	1.01	29.3	80.7	7.6	222

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.

2. Lint yield values are different at approximately p=0.10 (k=50) if they differ by more than the at the LSD base of the lint yield column.

Table 9. 15 COMCVT-D. Agronomic performance and fiber quality of cotton cultivars evaluated at Commerece during 2015. (Dryland)

Cultivar	Lint Yield (lb/ac)	Gin Turnout (%)	Micro-naire (units)	Length (in)	Strength (g/tex)	UI (ratio)	Elong-ation (%)	Work to Break
PHY 333 WRF	993	44.0	4.2	1.12	31.0	83.5	6.6	203
TAM 10 WG-11	957	42.6	3.8	1.22	32.8	82.5	5.6	182
TAM 10 X-78	947	40.2	4.3	1.08	33.7	81.3	6.2	207
DP 1522 B2XF	932	42.0	4.4	1.10	32.5	82.5	8.0	260
All-Tex Nitro 44	927	41.0	4.2	1.13	34.7	83.3	8.4	291
TAM 10 X-54	898	40.5	3.6	1.17	34.9	82.3	5.3	184
Phy 499 WRF	891	45.7	4.5	1.07	31.7	83.7	8.9	282
New Strain	876	43.6	4.8	1.01	29.2	81.2	7.1	206
NG 1511 B2RF	869	44.5	4.6	1.08	32.5	82.3	8.3	268
TAM 10 X-63	852	40.9	4.4	1.08	34.5	80.8	6.6	225
Croplan 3787 B2RF	852	46.0	4.7	1.10	30.4	83.4	8.0	243
UA 222	832	40.6	4.0	1.12	33.8	81.7	7.1	240
NG 3406 B2XF	812	41.9	3.7	1.11	32.0	83.2	8.0	256
PHY 312 WRF	810	43.3	4.2	1.11	31.1	83.1	8.5	262
BRS 293	795	38.4	4.0	1.09	34.3	82.4	6.9	237
ST 4946GLB2	781	42.8	3.9	1.14	31.1	82.7	8.3	256
TAM 10 X-64	776	42.3	4.0	1.12	34.7	81.4	6.0	207
DPL 1219 B2RF	775	41.2	4.1	1.11	33.3	82.1	6.8	226
DP 0912B2RF	771	41.4	4.8	1.03	29.4	81.6	8.5	248
FM 2484 B2F	770	41.9	3.9	1.12	32.7	82.6	6.3	206
PHY 444 WRF	764	45.4	3.8	1.21	33.2	84.5	6.6	219
NG 5007 B2XF	760	43.5	4.2	1.06	28.7	79.8	7.4	212
TAM 10 WE-61	743	39.1	3.9	1.22	37.7	82.3	5.7	215
HQ210CT	742	39.3	4.3	1.08	30.1	80.9	6.5	196
PHY 495 WRF	739	42.9	3.9	1.06	31.2	82.8	8.1	253
NG 3405 B2XF	736	42.1	4.4	1.03	27.1	81.7	6.8	183
BRS 286	726	39.5	4.4	1.04	31.3	81.2	7.0	217
DP 1518 B2XF	724	43.4	4.6	1.10	30.2	83.0	6.5	195
DP 1646 B2XF	715	44.0	4.5	1.11	32.1	82.5	7.6	243
PHY 725RF	702	39.2	4.1	1.14	38.2	83.7	8.0	306
PHY 552 WRF	693	42.8	3.8	1.10	32.0	83.7	7.0	223
TAM 11 Q-56	681	35.5	3.1	1.32	34.7	83.9	7.6	264
TAM 11 K-13	663	37.2	3.4	1.34	37.7	83.2	4.9	184
TAM 11 L-24	657	39.6	3.9	1.25	35.7	84.7	6.0	212
TAM 13 Q-18	634	36.7	4.0	1.08	29.4	80.8	7.4	217
New Strain	628	42.5	4.8	1.17	30.0	83.1	6.7	200
DP 1044 B2RF	620	41.6	3.9	1.09	31.7	81.5	8.7	276
TAM 10 WD-08	601	38.5	3.7	1.16	36.4	83.0	7.1	256
BRS 269	566	38.0	4.7	1.10	31.5	82.0	5.3	165
BRS 335	561	38.8	3.7	1.11	31.2	82.3	6.7	209
TAM 11 T-08	557	36.5	3.6	1.26	38.0	83.8	6.2	233

Cultivar	Lint Yield (lb/ac)	Gin Turnout (%)	Micro-naire (units)	Length (in)	Strength (g/tex)	UI (ratio)	Elong-ation (%)	Work to Break
PHY 333 WRF	993	44.0	4.2	1.12	31.0	83.5	6.6	203
LSD (k=100)[1]	163	3.2	1.3	0.06	2.7	3.1	1.7	50.9
LSD (k=50)[2]	140	2.7	.	.	.	.	.	.
%CV	13.6	3.7	10.3	2.7	4.1	1.3	11.3	10.2
Mean	759	41.2	4.1	1.12	32.6	82.5	7.0	227

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.

2. Lint yield values are different at approximately p=0.10 (k=50) if they differ by more than the at the LSD base of the lint yield column.

Table 10. 15 CHCVT-I. Agronomic performance and fiber quality of cotton cultivars evaluated at Chillicothe during 2015. (Irrigated)

Cultivar	Lint Yield (lb/ac)	Gin Turnout (%)	Micro-naire (units)	Length (in)	Strength (g/tex)	UI (ratio)	Elong-ation (%)	Work to Break
PHY 333 WRF	1713	46.0	5.3	1.11	31.8	84.0	8.0	254
PHY 312 WRF	1511	44.3	5.3	1.11	33.3	84.7	8.5	280
TAM 10 X-64	1490	43.0	5.0	1.13	33.6	84.3	6.9	230
DP 0912B2RF	1446	41.7	5.4	1.07	33.2	83.4	9.4	310
DP 1522 B2XF	1421	44.2	5.3	1.08	32.9	82.6	11.0	350
TAM 13 S-03	1419	41.3	5.2	1.11	32.7	84.3	8.6	280
ST 4946GLB2	1403	42.0	5.1	1.10	35.9	83.7	8.8	313
NG 1511 B2RF	1400	45.7	5.0	1.07	32.4	84.0	9.8	318
DP 1518 B2XF	1395	43.2	4.8	1.14	31.7	84.2	7.2	227
TAM 10 WG-11	1387	41.8	4.7	1.23	32.4	84.9	6.5	209
PHY 444 WRF	1373	44.4	4.9	1.17	34.2	85.1	7.4	252
NG 3406 B2XF	1368	38.4	5.1	1.09	31.4	84.3	10.0	312
FM 2011GT	1366	44.4	5.2	1.10	32.7	83.1	6.4	207
TAM 11 L-24	1352	37.7	4.8	1.21	36.6	84.9	6.8	249
TAM 11 T-08	1344	37.1	4.4	1.28	38.2	86.2	7.3	276
NG 3405 B2XF	1343	43.8	5.1	1.08	28.7	82.8	7.5	215
TAM 10 WD-08	1341	40.8	4.7	1.15	36.5	83.6	8.0	292
TAM 13 R-08	1324	41.4	5.0	1.16	37.0	85.8	8.4	309
PHY 495 WRF	1319	45.2	5.1	1.09	33.1	84.5	10.0	332
TAM 11 Q-56	1311	37.7	4.3	1.29	36.5	84.8	7.8	283
TAM 10 X-78	1308	43.2	5.1	1.12	34.3	83.6	7.4	253
New Strain	1278	43.4	5.4	1.03	29.3	82.3	7.3	212
PHY 552 WRF	1277	43.6	5.1	1.12	35.6	84.1	8.2	291
TAM 10 X-63	1277	42.8	5.1	1.06	34.4	82.3	7.8	266
TAM 11 K-13	1265	38.0	4.2	1.33	35.5	85.8	6.6	232
TAM 10 X-54	1243	42.4	5.0	1.18	35.3	83.2	6.4	226
All-Tex Nitro 44	1232	41.3	4.6	1.16	34.8	85.3	8.7	303
FM 2484 B2F	1222	42.6	4.8	1.19	34.1	85.4	7.2	245
BRS 335	1188	40.5	4.9	1.12	33.4	83.8	7.2	241
BRS 293	1168	41.6	5.1	1.13	34.4	84.4	7.9	270
DP 1646 B2XF	1159	45.9	4.8	1.21	32.6	84.4	8.2	266
DPL 1219 B2RF	1143	41.2	4.9	1.13	35.0	83.7	8.0	278
TAM 13 Q-18	1130	41.2	5.0	1.10	34.4	82.2	8.8	300
TAM 10 WE-61	1129	38.0	5.0	1.25	40.2	86.7	7.1	283
Phy 499 WRF	1114	44.8	5.1	1.10	34.1	85.3	8.9	303
PHY 725RF	1107	39.2	4.8	1.20	38.6	85.1	8.7	334
NG 5007 B2XF	1102	43.3	4.8	1.14	31.1	84.4	8.1	251
DP 1044 B2RF	1083	43.0	5.1	1.09	30.6	83.9	9.6	293
New Strain	1080	41.6	5.0	1.19	33.5	84.1	6.2	206
BRS 286	983	40.6	5.1	1.09	33.6	84.0	7.6	255

Cultivar	Lint Yield (lb/ac)	Gin Turnout (%)	Micro-naire (units)	Length (in)	Strength (g/tex)	UI (ratio)	Elong-ation (%)	Work to Break
PHY 333 WRF	1713	46.0	5.3	1.11	31.8	84.0	8.0	254
TAM 13 Q-20	982	40.3	4.6	1.21	35.6	86.1	7.0	249
BRS 269	933	40.3	5.1	1.17	34.8	84.7	6.8	233
HQ210CT	849	40.7	5.2	1.09	34.0	83.1	7.4	252
UA 222	803	41.4	4.8	1.17	34.7	84.3	9.0	311
LSD (k=100)[1]	191	2.5	0.4	0.06	2.7	1.9	1.6	54.0
LSD (k=50)[2]	165	2.1	.	.	.	.	.	.
%CV	11.4	3.0	3.6	2.7	4.0	1.0	10.0	9.7
Mean	1251	41.9	4.9	1.14	34.0	84.2	7.9	269

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.
2. Lint yield values are different at approximately p=0.10 (k=50) if they differ by more than the at the LSD base of the lint yield column.