

Table 3. 12 CCCVT-D. Agronomic performance and fiber quality of cotton cultivars evaluated at Corpus Christi during 2012. (Dryland)

Cultivar	Lint Yield (lb/ac)	Gin Turnout (%)	Micro- naire (units)	Length (in)	Strength (g/tex)	UI (ratio)	Elong- ation (%)	Work to Break
PHY 375WRF	634	37.8	4.2	0.98	25.3	79.7	4.8	120
Tam 07 WA-18	599	37.3	3.9	1.09	29.2	81.9	5.6	164
TAM 06 C-79	597	41.2	4.7	0.96	25.6	78.6	5.2	133
PHY 4339-15	595	41.3	4.7	1.02	25.2	81.0	5.3	133
PHY 499 WRF	595	40.6	4.5	0.97	27.9	81.1	6.5	181
ALL-TEX NITRO 44 B2R	587	38.6	3.8	1.04	28.9	81.2	5.9	169
AM 1550 B2RF	578	39.6	4.4	0.95	22.6	79.0	4.4	100
Tam 07 V-45	576	40.9	4.5	0.98	26.1	78.4	4.8	124
PHY 4339-6	576	39.2	4.2	1.01	27.4	80.0	5.7	156
All-Tex Epic RF	555	40.2	4.4	0.94	26.2	80.3	6.2	161
SSG AU 222	548	38.3	4.2	1.05	27.7	81.3	6.2	170
ATX 784381 RF	545	41.9	4.0	1.04	26.3	80.0	5.5	144
PHY 4339-blend	538	39.6	4.1	1.00	26.9	80.9	5.6	151
Tam 07 WC-18	525	35.6	4.1	1.06	27.9	81.4	4.8	132
PHY 5322-11	514	39.4	4.6	1.02	24.6	81.2	5.3	130
Tam 07 WD-57	512	38.1	4.1	1.00	26.0	79.1	5.0	130
PHY 367 WRF	509	38.9	4.1	0.95	24.1	79.6	5.1	122
ATX CR109293 B2RF	493	40.5	4.4	1.08	26.3	80.8	5.2	136
MON 11R154B2RF	488	37.3	4.6	0.99	27.6	79.9	4.7	129
Tamcot 73	485	35.4	4.2	1.01	28.5	81.0	5.4	152
SSG AU103	485	39.6	4.5	1.06	28.8	80.5	6.1	175
DP 0912B2RF	482	37.5	5.1	0.97	25.5	80.1	5.5	140
ATX CR103233B2RF	482	42.5	4.4	0.99	24.4	79.9	5.2	127
MON 11R159B2RF	471	39.5	4.8	0.98	25.2	79.7	4.1	103
SSG HQ210CT	460	33.9	4.4	0.97	25.2	78.5	4.4	110
AM 1511 B2RF	457	40.0	4.5	0.96	27.0	80.3	6.7	180
DP 1044 B2RF	455	36.8	4.7	0.97	26.3	80.4	5.9	155
PHY 5263-11	454	37.1	4.5	0.99	26.8	80.0	5.6	148
FM 1740B2RF	454	37.4	4.0	0.97	23.8	80.3	4.1	98
PHY 565 WRF	449	36.8	4.4	1.00	27.4	81.2	6.2	169
Tam 07 U-08	445	35.9	4.4	1.03	31.3	80.7	5.6	176
DP 1219 B2RF	437	37.0	4.5	0.97	24.8	79.6	3.8	93
DP 1133 B2RF	427	40.3	5.0	0.97	27.5	80.2	5.8	158
Tam 07 X-08	421	36.2	4.2	1.07	29.3	81.8	5.0	146
ATX 9CR253B2RF	416	38.3	4.8	0.96	25.5	79.8	4.5	115
DP 1032 B2RF	409	39.9	5.1	1.00	25.8	80.3	4.5	114
DP 0935 B2RF	388	40.4	4.9	0.93	24.6	78.7	4.7	115
ATX 91139 B2RF	384	40.4	4.0	0.99	24.0	80.5	4.4	104
ATX 981221501 B2RF	375	38.7	4.4	1.04	29.0	81.3	4.5	130
PHY 725RF	365	39.4	4.4	1.05	30.2	82.0	6.0	180

Cultivar	Lint Yield (lb/ac)	Gin Turnout (%)	Micro- naire (units)	Length (in)	Strength (g/tex)	UI (ratio)	Elong- ation (%)	Work to Break
Mon 11R136B2RF	330	36.8	4.4	1.00	26.8	80.0	5.2	139
PHY 755 WRF	311	33.8	4.1	1.05	32.2	81.0	5.6	180
LSD (k=100) ¹	100	5.6	0.8	0.06	2.3	1.6	0.7	25.3
%CV	14.4	5.1	6.7	2.70	4.3	0.9	6.7	9.3
Mean	486	38.6	4.4	1.00	26.7	80.3	5.2	140

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.