

WCVTYF. Agronomic performance and fiber quality of cotton cultivars evaluated at Weslaco during 2000 (Irrigated).

Cultivar	Lint Yield (lb/ac)	Gin Turnout (%)	Micro-naire (units)	Length (in)	Str. (g/tex)	UI (ratio)	Elongation (%)
TAM 96 WD-22	1400	39.9	4.3	1.15	27.6	83	7.0
FiberMax FM 832	1399	38.1	4.3	1.26	33.4	86	6.1
TAM 96 WD-81	1372	36.6	4.3	1.12	27.6	83	7.1
FiberMax FM 966	1333	38.7	4.3	1.12	29.0	84	7.6
PhytoGen PSC 355	1323	39.3	4.6	1.12	28.5	85	8.2
FiberMax FM 958	1276	34.5	4.7	1.16	29.7	85	6.6
Tamcot Pyramid	1276	38.0	4.5	1.10	29.1	83	7.3
Paymaster PM 1560 BG	1273	38.4	5.0	1.09	26.3	84	7.1
Deltapine DeltaPEARL	1263	38.7	4.4	1.18	29.4	83	6.4
Sure-Grow SG 747	1259	38.7	5.1	1.11	25.3	85	7.9
Texas 418	1252	37.4	4.3	1.18	31.6	84	6.3
Deltapine DeltaTOPAZ	1249	38.7	4.5	1.14	28.7	84	7.1
FiberMax FM 989	1248	37.2	4.2	1.17	33.1	85	6.3
8839-3-10-2	1240	36.3	4.5	1.15	27.2	84	6.7
TAM 94 C-18	1237	37.5	4.3	1.08	29.3	84	7.7
FiberMax FM 819	1220	39.0	4.3	1.16	29.9	84	6.6
8806-3-2-19	1213	37.0	4.8	1.13	27.5	84	6.7
Deltapine DP 20B	1212	38.0	4.4	1.12	26.6	83	7.0
Deltapine DP 420 RR	1204	38.9	4.7	1.08	25.8	83	7.2
Sure-Grow SG 105	1200	38.3	5.1	1.14	28.0	85	7.3
Nucotn 33B	1197	36.2	4.8	1.14	27.7	83	7.3
Sure-Grow SG 821	1197	36.8	4.6	1.11	27.1	84	8.2
Deltapine 50	1187	34.3	4.7	1.12	26.7	83	7.4
Sure-Grow 125	1164	38.2	4.8	1.12	26.6	85	7.6
Deltapine DP 451 BR	1164	34.9	5.1	1.10	25.7	84	7.2
Nata	1162	36.9	4.3	1.16	30.5	84	6.4
AgriPro AP 6101	1151	38.4	4.3	1.17	30.4	84	7.1
Paymaster PM 1218 BR	1148	38.3	5.1	1.10	25.8	85	7.2
Deltapine DP 388	1139	38.8	4.7	1.11	27.5	84	7.9
Sure-Grow SG 501 BR	1135	38.2	5.0	1.08	26.7	84	7.7
Stoneville ST 2454R	1130	38.2	4.6	1.07	26.5	84	7.2
Ligur	1129	37.3	4.7	1.12	30.5	84	6.2
Stoneville BXN 16	1126	38.4	4.2	1.06	28.7	84	6.5
AgriPro AP 9257	1123	39.2	4.4	1.08	27.3	84	6.9
AgriPro AP 7126	1123	39.0	4.5	1.16	29.6	85	7.3

WCVTYF. Continued.....

Cultivar	Lint Yield (lb/ac)	Gin Turnout (%)	Micro- naire (units)	Length (in)	Str. (g/tex)	UI (ratio)	Elong- ation (%)
AgriPro 1500 RR	1116	37.2	4.2	1.16	29.9	84	7.2
Stoneville 474	1103	39.5	4.8	1.08	26.4	84	6.7
Condur	1097	39.8	5.1	1.09	26.9	83	6.5
AgriPro AP 7115	1093	38.2	4.3	1.09	27.7	83	7.5
Tamcot Sphinx	1086	35.4	4.6	1.11	28.4	83	6.6
Deltapine DP 436 RR	1085	33.8	4.7	1.11	26.5	84	7.7
AgriPro 4600 RR	1080	37.3	4.6	1.04	25.8	83	7.3
Sure-Grow SG 125 BR	1079	35.7	5.0	1.09	24.6	84	7.5
Deltapine DP 5415 RR	1075	38.2	4.1	1.10	29.5	83	7.1
Stoneville 4892 BR	1073	39.0	5.2	1.11	26.6	85	6.8
Paymaster PM 1560 BR	1068	36.8	4.4	1.12	28.5	83	6.5
Stoneville ST 4793R	1050	39.5	4.7	1.10	27.2	84	6.5
Paymaster PM 2379 RR	1026	36.2	4.7	1.12	29.1	83	6.9
Paymaster PM 2280 B/R	1026	35.4	4.6	1.10	29.0	83	7.1
Stoneville BXN 47	1014	38.9	4.6	1.14	30.5	85	6.4
PhytoGen GA 161	1000	36.9	4.4	1.17	30.3	84	6.7
Sure-Grow SG 521 RR	996	37.4	4.6	1.05	25.3	83	7.7
TAM 94 J-3	990	34.6	4.2	1.22	31.1	85	6.8
Stoneville 4691 B	988	38.2	4.8	1.15	28.6	85	6.8
Paymaster PM H1560	936	38.1	4.9	1.15	28.5	86	7.5
Tamcot Luxor	901	37.1	4.7	1.07	26.5	84	6.8
TAM 94 L-25	900	36.1	4.5	1.20	30.6	84	5.8
All-Tex Atlas	875	36.6	4.7	1.12	27.6	84	7.3
Paymaster PM 2326 RR	854	37.3	4.0	1.06	30.8	83	7.3
Acala Maxxa	510	40.7	3.7	1.12	34.2	85	6.8
LSD (k=100) <sup>1</sup>	137	2.8	0.5	0.06	3.2	2.5	0.9
%CV	8.8	3.4	5.2	2.5	5.3	1.0	5.9
Mean	1129	37.6	4.6	1.12	28.3	84	7.0

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.

WCVTYF2YR.

Agronomic performance and fiber quality of cotton varieties evaluated at Weslaco during 2000 and 1999.

Cultivar	Lint Yield (lb/ac)	Gin Turnout (%)	Micro- naire (units)	Length (in)	Str. (g/tex)	UI (ratio)	Elong- ation (%)
FiberMax FM 832	1223	37.9	4.4	1.24	32.5	86	5.9
NuCotn 33B	1217	36.8	4.8	1.10	26.4	83	6.8
FiberMax FM 819	1209	39.8	4.6	1.16	31.1	84	6.1
Texas 418	1183	38.6	4.4	1.15	29.5	84	6.3
PhytoGen PSC 355	1170	39.2	4.7	1.12	28.2	86	7.5
Sure-Grow SG 747	1164	39.3	5.2	1.09	25.0	86	7.3
Sure-Grow SG 105	1151	39.1	5.1	1.10	27.6	85	6.8
Deltapine DP 20B	1136	38.9	4.6	1.10	26.2	84	6.7
Paymaster PM 1560 BG	1123	38.5	4.8	1.08	26.9	84	6.8
FiberMax FM 989	1120	37.5	4.5	1.15	31.9	85	6.0
AgriPro AP 6101	1114	38.4	4.7	1.14	29.4	84	6.6
Sure-Grow SG 501 BR	1112	37.9	5.1	1.06	26.4	85	7.3
Stoneville 4892 BR	1104	40.0	5.2	1.09	27.4	85	6.5
Paymaster PM 1218 BR	1093	39.1	5.0	1.09	26.2	85	6.7
Sure-Grow SG 821	1088	38.1	4.9	1.09	26.9	85	7.7
Deltapine DP 388	1076	39.0	4.8	1.09	27.7	84	7.4
Sure-Grow 125	1064	38.8	4.9	1.11	26.1	84	7.1
AgriPro AP 7115	1060	39.3	4.6	1.09	27.0	84	6.9
Stoneville BXN 47	1038	39.8	4.8	1.12	29.0	85	6.2
Stoneville 474	1037	39.7	5.2	1.09	26.6	84	6.4
Paymaster PM 2280 B/R	1032	36.1	4.4	1.10	29.1	83	6.8
Stoneville 4691 B	1022	39.3	4.8	1.12	27.7	85	6.4
Deltapine DP 5415 RR	1020	38.8	4.6	1.10	28.6	83	6.7
Pay PM1560BR	1020	38.1	4.7	1.09	27.3	83	6.3
Stoneville ST 2454R	1010	39.2	4.6	1.07	26.4	84	6.9
Deltapine 50	981	34.5	4.8	1.10	26.3	84	6.9
Tamcot Sphinx	962	36.3	4.9	1.09	29.0	83	6.2
Tamcot Luxor	906	37.8	4.6	1.06	27.2	84	6.3
PhytoGen GA 161	897	37.4	4.7	1.16	29.8	84	6.3
Paymaster PM 2326 RR	835	38.9	4.3	1.05	29.1	83	6.8
All-Tex Atlas	830	36.4	4.7	1.09	28.5	84	6.9
Acala Maxxa	555	41.1	4.0	1.11	33.1	85	6.4
LSD(k=100) <sup>1</sup>	192	1.3	0.7	0.03	2.3	1.3	0.4
%CV	8.7	1.8	5.4	1.6	4.1	0.7	2.9
Mean	1048	38.4	4.7	1.10	28.1	84	6.7

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.

WCVTYF3YR. Agronomic performance and fiber quality of cotton varieties evaluated at Weslaco during 2000, 1999, and 1998.

Cultivar	Lint Yield (lb/ac)	Gin Turnout (%)	Micro- naire (units)	Length (in)	Str. (g/tex)	UI (ratio)	Elong- ation (%)
FiberMax FM 819	1304	40.7	4.6	1.16	30.8	84	5.6
AgriPro AP 6101	1246	38.9	4.8	1.14	29.6	84	6.0
PhytoGen PSC 355	1233	39.6	4.5	1.11	28.1	84	7.1
FiberMax FM 832	1231	37.8	4.4	1.22	31.9	85	5.5
Deltapine DP 20B	1218	38.9	4.7	1.09	26.3	84	6.5
Deltapine DP 5415 RR	1207	38.9	4.7	1.11	28.6	83	6.3
Sure-Grow SG 747	1205	39.7	5.1	1.10	26.0	85	7.0
Sure-Grow 125	1183	38.5	4.8	1.11	26.6	84	6.7
FiberMax FM 989	1179	38.0	4.6	1.15	31.5	85	5.5
Sure-Grow SG 821	1169	38.2	4.9	1.09	27.0	84	7.4
Paymaster PM 1560 BG	1159	39.0	4.9	1.07	27.4	84	6.3
AgriPro AP 7115	1140	39.7	4.7	1.08	26.7	83	6.3
Stoneville 474	1126	39.8	5.2	1.09	26.8	84	5.8
Stoneville BXN 47	1099	39.7	4.8	1.11	28.4	84	5.9
Deltapine 50	1073	34.1	4.7	1.11	26.4	84	6.7
Acala Maxxa	681	40.6	3.9	1.12	32.6	84	5.9
LSD(k=100) <sup>1</sup>	171	1.2	0.4	0.03	1.6	ns	0.4
%CV	8.9	2.0	4.8	1.6	3.6	0.9	4.1
Mean	1153	38.9	4.7	1.12	28.4	84	6.3

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.

CCCVTYF. Agronomic performance and fiber quality of cotton varieties evaluated at Corpus Christi during 2000. (Dryland)

Cultivar	Lint Yield (lb/ac)	Gin Turnout (%)	Micro- naire (units)	Length (in)	Str. (g/tex)	UI (ratio)	Elong- ation (%)
Phytogen PSC 355	1313	40.3	4.4	1.05	26.5	82	7.0
FiberMax FM 966	1200	38.7	3.7	1.13	29.2	83	4.8
FiberMax FM 832	1195	39.6	3.8	1.14	28.1	83	5.0
Paymaster PM 2280 B/R	1108	35.6	3.9	1.07	28.0	82	5.0
Stoneville ST 4892 BR	1095	39.5	4.4	1.07	25.5	84	5.5
Sure-Grow SG 747	1077	41.4	4.8	1.07	25.5	82	7.2
Sure-Grow SG 125	1041	39.7	4.4	1.05	24.8	84	6.3
Tamcot Luxor	1028	37.7	4.2	1.10	26.3	83	5.1
D&PL PMX 00V06R	1014	37.9	4.1	1.08	27.5	84	6.6
Paymaster PM H1560	1006	39.7	4.3	1.09	27.2	83	6.7
Deltapine DeltaPEARL	999	41.4	4.1	1.10	26.8	82	5.1
FiberMax FM 958	998	41.2	4.2	1.09	25.8	83	4.8
D&PL PMX 00V06BR	992	35.4	3.9	1.04	26.3	82	6.3
Stoneville ST 474	991	40.9	4.5	1.03	24.7	83	6.2
Paymaster PM 2326 RR	980	37.0	4.2	1.06	26.0	83	5.6
Texas 418	977	39.6	3.7	1.09	24.8	83	5.4
Deltapine DP 436 RR	951	35.1	4.4	1.06	25.2	84	6.4
PhytoGen PSC 952	949	39.8	4.2	1.07	25.2	82	6.3
Tamcot Pyramid	946	37.8	4.2	1.03	25.3	83	5.3
Deltapine 50	942	36.6	4.5	1.08	25.2	83	6.9
Nucotn 33B	940	37.8	4.3	1.08	26.2	82	6.8
Tamcot Sphinx	929	36.6	4.2	1.07	25.6	84	5.5
FiberMax FM 819	928	41.8	4.0	1.13	30.0	82	4.8
Sure-Grow SG 501 BR	927	37.7	4.4	1.02	26.3	83	6.5
AgriPro AP 7115	919	39.9	4.1	1.07	25.3	83	5.7
AgriPro 4600 RR	917	37.9	4.5	1.02	25.2	83	6.4
PhytoGen HS 12	909	39.9	4.1	1.08	27.9	83	5.4
PhytoGen GA 894	895	39.4	4.1	1.08	27.9	83	5.4
Deltapine DP 388	891	38.9	4.2	1.04	26.4	82	6.7
AgriPro AP 7126	889	42.8	4.5	1.09	26.4	83	5.8
TAM 94 C-18	886	37.2	3.9	1.12	26.8	83	5.6
Paymaster PM 1560 BG	882	38.9	4.6	1.04	25.5	82	5.0
Sure-Grow SG 125 BR	882	36.8	4.0	1.02	25.6	83	6.0
FiberMax FM 989	878	38.5	3.9	1.07	27.3	82	5.1
PhytoGen GA 161	877	39.0	4.2	1.12	28.2	83	5.5

CCCVTYF.

Continued.....

Cultivar	Lint Yield (lb/ac)	Gin Turnout (%)	Micro- naire (units)	Length (in)	Str. (g/tex)	UI (ratio)	Elong- ation (%)
TAM WE-37s	872	35.8	3.8	1.17	27.5	84	6.1
TAM 94 L-25	870	37.7	4.0	1.19	29.9	83	4.7
AgriPro 1500 RR	869	40.3	3.8	1.06	26.4	84	5.6
Deltapine DP 20 B	869	39.7	4.3	1.04	24.8	82	6.3
Stoneville ST 4793R	860	38.9	4.4	1.05	26.6	84	5.4
Stoneville ST 4691B	853	39.7	3.7	1.04	25.4	82	5.8
All-Tex Atlas	852	37.0	4.5	1.06	28.4	82	6.5
Sure-Grow SG 821	852	38.3	4.4	1.06	25.4	84	6.9
Stoneville BXN 47	851	40.3	4.4	1.05	25.4	83	5.4
Deltapine DeltaTOPAZ	848	41.5	4.2	1.06	25.8	83	5.4
D&PL PMX 99V02 BR	848	39.5	3.9	1.07	28.0	81	5.2
Deltapine DP 451 BR	838	36.1	4.5	1.10	25.2	84	5.5
Sure-Grow SG 215 BR	838	38.0	4.1	1.06	26.2	83	5.8
Paymaster PM 2379 RR	837	35.9	4.6	1.03	27.2	84	5.9
Deltapine DP 5415 RR	836	38.6	4.2	1.06	24.2	81	5.8
D&PL PMX 99V04BR	831	35.9	4.0	1.05	27.9	81	5.6
Paymaster PM 1218 BR	828	38.5	4.2	1.03	24.5	84	5.6
Deltapine DP 420 RR	809	38.7	4.4	1.01	23.8	83	5.3
Stoneville ST 2454R	804	40.2	4.4	1.04	25.7	83	6.3
AgriPro AP 6101	804	39.3	4.3	1.08	25.9	82	5.0
Sure-Grow SG 521 RR	798	37.8	4.4	1.03	25.0	82	5.8
TAM 94 J-5	796	35.6	4.4	1.14	27.7	84	6.2
Sure-Grow SG 105	790	38.2	4.5	1.08	27.6	84	6.3
AgriPro AP 9257	766	42.5	4.2	1.04	26.2	83	5.4
Paymaster PM 1560 BR	746	38.9	4.0	1.04	25.2	82	5.5
Acala Maxxa	711	40.4	3.7	1.06	30.2	82	5.4
Stoneville BXN 16	632	39.1	3.7	1.01	25.5	82	6.3
LSD(k=100) <sup>1</sup>	189	1.7	0.7	0.06	2.3	ns	0.7
%CV	12.9	2.3	6.1	2.5	4.1	1.2	6.5
Mean	908	38.7	4.2	1.07	26.4	83	5.8

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.

CCCVTYF2YR. Agronomic performance and fiber quality of cotton varieties evaluated at Corpus Christi during 2000 and 1999.

Cultivar	Lint Yield (lb/ac)	Gin Turnout (%)	Micro- naire (units)	Length (in)	Str. (g/tex)	UI (ratio)	Elong- ation (%)
PhytoGen PSC 355	1359	40.3	4.7	1.08	26.2	84	7.3
FiberMax FM 832	1305	38.8	4.0	1.18	29.8	83	5.7
Sure-Grow SG 747	1254	40.8	4.9	1.08	25.0	83	7.3
FiberMax FM 819	1162	41.5	4.3	1.14	29.8	83	5.4
FiberMax FM 989	1124	38.6	4.3	1.10	27.9	83	5.5
Sure-Grow SG 125	1123	39.4	4.7	1.07	24.6	84	6.8
Tamcot Luxor	1085	38.2	4.2	1.08	27.2	83	5.8
PhytoGen PSC 952	1082	39.7	4.5	1.09	25.4	83	6.7
Stoneville ST 474	1082	40.3	4.6	1.06	25.2	83	6.3
Deltapine DP 20B	1063	39.6	4.3	1.06	25.0	83	6.7
Sure-Grow SG 125 BR	1030	36.7	4.5	1.04	24.5	83	6.5
Sure-Grow SG 501 BR	1029	37.5	5.0	1.02	24.4	83	6.4
NuCotn 33B	1026	37.2	4.4	1.09	26.9	83	6.9
PhytoGen PSC HS12	1020	39.5	4.5	1.09	27.7	83	5.7
Paymaster PM 1560 BG	1017	39.4	4.8	1.07	25.6	83	6.0
Stoneville BXN 47	1017	40.0	4.6	1.07	25.6	83	6.1
Deltapine 50	1008	35.7	4.6	1.09	25.3	83	7.1
Paymaster PM 1218 BR	992	39.2	4.6	1.05	24.2	84	6.0
AgriPro AP 7115	985	39.7	4.4	1.08	25.4	83	6.3
Tamcot Sphinx	983	36.9	4.7	1.07	26.4	84	5.9
Deltapine DP 388	970	38.8	4.4	1.06	25.7	83	6.9
Deltapine DP 5415 RR	950	39.0	4.2	1.09	26.0	83	6.3
All-Tex Atlas	946	36.9	4.8	1.05	26.8	83	6.7
Paymaster PM 1560 BR	946	39.0	4.2	1.07	26.2	83	6.0
AgriPro AP 6101	943	38.2	4.4	1.10	26.8	83	6.0
TAM 94 WE-37s	934	35.8	3.9	1.17	28.2	84	6.3
PhytoGen GA 161	929	38.4	4.5	1.13	27.8	84	5.8
Paymaster PM 2326 RR	886	37.5	4.4	1.05	26.9	83	6.2
Stoneville BXN 16	866	39.1	4.2	1.03	26.1	83	6.2
Acala Maxxa	716	40.3	3.9	1.10	31.0	84	6.0
LSD(k=100) <sup>1</sup>	237	1.2	0.6	0.04	2.6	ns	0.9
%CV	10.0	1.6	5.3	1.8	4.5	1.1	6.1
Mean	1028	38.7	4.4	1.08	26.4	83	6.3

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.

CCCVTYF3YR. Agronomic performance and fiber quality of cotton varieties evaluated at Corpus Christi during 2000,1999, and 1998.

Cultivar	Lint Yield (lb/ac)	Gin Turnout (%)	Micro- naire (units)	Length (in)	Str. (g/tex)	UI (ratio)	Elong- ation (%)
PhytoGen PSC 355	1058	39.5	4.7	1.04	26.4	83	7.1
FiberMax FM 832	1040	38.5	4.2	1.13	29.7	83	5.7
Sure-Grow SG 747	956	40.3	4.9	1.04	25.1	83	7.2
FiberMax FM 819	911	41.9	4.6	1.10	29.1	83	5.5
Sure-Grow SG 125	898	39.4	4.6	1.04	24.6	83	6.8
FiberMax FM 989	896	38.4	4.3	1.05	27.4	82	5.5
PhytoGen PSC 952	882	39.5	4.5	1.04	25.6	83	6.7
Stoneville ST 474	851	40.6	4.7	1.02	25.1	83	6.1
Deltapine DP 20B	841	39.6	4.2	1.02	25.1	83	6.8
Paymaster PM 1560 BG	824	39.8	4.8	1.03	25.7	83	6.2
AgriPro AP 7115	798	39.8	4.5	1.03	25.1	82	6.2
Deltapine 50	797	35.9	4.5	1.06	25.1	83	6.7
Stoneville BXN 47	792	39.9	4.7	1.03	25.5	83	5.9
Tamcot Sphinx	773	37.3	4.7	1.02	26.0	83	5.8
AgriPro AP 6101	761	37.7	4.5	1.05	26.3	82	6.0
Paymaster PM 1560 BR	748	39.5	4.4	1.03	25.7	82	5.9
Deltapine DP 5415 RR	746	39.4	4.4	1.04	25.6	82	6.4
Paymaster PM 2326 RR	729	37.8	4.4	1.01	26.9	83	6.3
Acala Maxxa	593	41.3	4.0	1.06	30.7	83	5.8
LSD(k=100) <sup>1</sup>	209	1.4	0.4	0.03	1.2	ns	0.6
%CV	13.4	2.3	5.0	1.6	3.0	0.9	5.5
Mean	836	39.3	4.5	1.04	26.3	83	6.2

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.

Table SPCVTDYF. Agronomic performance and fiber quality of cotton varieties evaluated at San Patricio during 2000. (Dryland)

Cultivar	Lint Yield (lb/ac)	Gin Turnout (%)	Micro- naire (units)	Length (in)	Str. (g/tex)	UI (ratio)	Elong- ation (%)
Stoneville ST 4793R	1144	39.6	3.8	1.07	28.1	83	5.5
Deltapine DP 20B	1118	37.2	3.7	1.11	27.4	82	6.6
Paymaster PM 1560 BG	1059	36.7	3.5	1.11	29.7	83	6.8
PhytoGen PSC 355	1054	38.3	4.3	1.10	28.0	83	7.0
Sure-Grow SG 105	1048	37.3	4.0	1.11	29.0	84	6.5
Deltapine DP 388	1014	37.2	3.7	1.13	28.6	82	6.6
Tamcot Luxor	1003	36.9	3.6	1.08	28.1	83	6.1
Paymaster PM 1218 BR	997	38.0	4.0	1.08	26.1	84	6.5
Sure-Grow SG 125 BR	990	35.2	3.8	1.09	26.8	84	6.6
Sure-Grow SG 215 BR	982	37.3	3.8	1.06	26.8	83	7.0
D&PL PMX 00V06 BR	973	33.9	3.8	1.07	28.7	83	6.8
Deltapine DP 451 BR	969	34.9	3.9	1.12	26.6	83	6.1
D&PL PMX 99V02 BR	961	38.0	3.7	1.10	30.4	83	6.2
Sure-Grow SG 501 BR	957	37.2	4.0	1.11	29.8	84	6.6
Stoneville BXN 47	951	37.7	3.6	1.10	26.2	81	5.7
FiberMax FM 966	945	37.5	3.9	1.13	31.5	84	4.6
Paymaster PM 2280 B/R	934	33.8	3.6	1.12	30.1	82	6.8
Sure-Grow SG 747	933	38.1	3.9	1.11	27.7	83	6.9
AgriPro AP 9257	930	38.3	3.7	1.12	28.6	83	5.7
FiberMax FM 819	930	40.2	3.8	1.16	32.3	84	5.9
PhytoGen HS 12	916	36.0	3.7	1.13	29.5	82	5.3
Stoneville ST 4892 BR	913	37.8	3.5	1.04	27.4	82	5.9
Texas 418	911	36.7	3.6	1.11	29.5	83	6.5
Stoneville ST 4691 B	909	38.2	3.4	1.07	27.4	83	6.2
Deltapine DP 436 RR	897	34.8	3.8	1.10	26.4	82	6.7
PhytoGen GA 161	895	37.4	3.9	1.10	27.2	83	6.8
D&PL PMX 00V06 R	881	35.4	4.2	1.10	29.8	84	6.4
Sure-Grow DP 521 RR	874	37.8	3.7	1.09	27.1	82	6.9
PhytoGen GA 894	853	36.3	3.9	1.15	30.6	82	6.0
Tamcot Pyramid	850	37.5	3.7	1.06	28.5	83	6.5
FiberMax FM 958	846	39.0	4.1	1.14	31.2	84	4.9
TAM 94 L-25	844	35.6	3.6	1.21	31.0	83	5.5
Stoneville ST 2454R	843	36.3	3.5	1.09	28.3	83	6.4
Texas 224	841	37.3	3.3	1.07	27.4	83	6.8
Tamcot Sphinx	839	34.9	3.8	1.14	29.2	83	6.0

SPCVTDYF

Continued....

Cultivar	Lint Yield (lb/ac)	Gin Turnout (%)	Micro- naire (units)	Length (in)	Str. (g/tex)	UI (ratio)	Elong- ation (%)
AgriPro AP 6101	828	35.8	4.0	1.14	30.0	83	6.3
FiberMax FM 989	822	36.3	3.7	1.15	32.4	84	6.3
Paymaster PM 2326 RR	813	35.5	4.3	1.08	29.5	85	6.4
AgriPro AP 7126	807	37.9	3.8	1.14	29.9	83	6.4
D&PL PMX 99V04 BR	805	34.7	3.8	1.05	28.0	82	6.5
TAM 94 WE-37s	803	34.2	3.2	1.17	27.8	81	6.7
Paymaster PM 2379 RR	793	35.7	4.4	1.07	30.4	84	7.0
Texas 208	780	36.3	3.7	1.09	26.0	82	7.2
PhytoGen PSC 952	775	35.0	3.5	1.13	30.4	82	5.5
Deltapine DP 420 RR	775	37.8	3.8	1.08	28.4	84	6.8
AgriPro AP 7115	763	38.3	3.8	1.09	27.9	83	5.6
Stoneville BXN 16	762	36.8	3.5	1.07	28.0	83	5.4
FiberMax FM 832	759	36.0	3.5	1.19	30.5	84	5.5
AgriPro 1500 RR	755	35.9	3.3	1.12	29.5	83	6.6
AgriPro 4600 RR	753	37.2	3.8	1.03	26.7	83	6.2
TAM 94 C-18	741	34.8	3.4	1.09	29.8	83	6.6
TAM 94 J-3	655	32.6	3.7	1.17	30.8	84	6.7
LSD(k=100) <sup>1</sup>	189	1.7	0.7	0.06	2.3	ns	0.7
%CV	12.9	2.3	6.1	2.5	4.1	1.2	6.5
Mean	908	38.7	4.2	1.07	26.4	83	5.7

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.

SPCVTYF2YR. Agronomic performance and fiber quality of cotton varieties evaluated at San Patricio during 2000 and 1999.

Cultivar	Lint Yield (lb/ac)	Gin Turnout (%)	Micro- naire (units)	Length (in)	Str. (g/tex)	UI (ratio)	Elong- ation (%)
PhytoGen PSC 355	1038	38.5	4.9	1.08	26.4	83	7.0
Paymaster PM 1218 BR	977	38.7	4.8	1.07	24.9	84	6.2
Sure-Grow SG 105	932	38.3	4.6	1.10	27.0	85	6.5
Sure-Grow SG 501 BR	922	37.8	4.6	1.07	27.3	84	6.6
Sure-Grow SG 125 BR	919	36.1	4.5	1.08	25.8	84	6.7
Paymaster PM 1560 BG	914	38.0	4.5	1.08	27.2	83	6.6
Tamcot Luxor	890	38.0	4.5	1.06	26.2	84	6.1
Deltapine DP 388	886	37.7	4.4	1.09	26.7	83	6.9
PhytoGen PSC HS 12	881	37.0	4.4	1.10	28.2	82	5.5
Sure-Grow SG 747	880	38.6	4.6	1.10	25.9	84	6.9
Paymaster PM 2280 BR	860	35.1	4.3	1.09	28.2	82	6.5
PhytoGen GA 161	855	37.0	4.4	1.12	27.4	83	6.3
Deltapine DP 436 RR	844	35.3	4.5	1.09	24.7	83	6.8
Tamcot Sphinx	840	35.9	4.7	1.11	27.5	84	6.0
PhytoGen PSC 952	827	37.0	4.3	1.08	27.2	83	5.9
TAM 94 WE-37s	821	34.9	3.8	1.17	28.1	83	6.8
Stoneville BXN 47	801	38.6	4.4	1.09	27.5	82	5.9
AgriPro AP 6101	766	36.9	4.5	1.13	29.0	83	6.4
Texas 224	756	38.2	4.0	1.07	26.4	83	6.7
Paymaster PM 2326 RR	736	36.5	4.9	1.05	27.4	84	6.3
AgriPro AP 7115	723	38.0	4.3	1.09	27.3	83	5.8
PhytoGen PSC 894	708	35.7	4.5	1.17	29.3	83	5.9
LSD(k=100) <sup>1</sup>	202	1.9	0.5	0.06	ns	ns	0.7
%CV	9.1	2.3	4.6	2.2	5.3	0.9	4.6
Mean	853	37.2	4.4	1.09	27.1	83	6.3

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.

SPCVTYF3YR. Agronomic performance and fiber quality of cotton varieties evaluated at San Patricio during 2000, 1999, and 1998.

Cultivar	Lint Yield (lb/ac)	Gin Turnout (%)	Micro- naire (units)	Length (in)	Str. (g/tex)	UI (ratio)	Elong- ation (%)
PhytoGen PSC 355	927	38.3	4.8	1.08	27.6	83	7.0
Paymaster PM 1560 BG	824	38.0	4.9	1.07	26.9	83	6.4
Sure-Grow SG 747	799	38.6	4.9	1.09	25.8	84	6.9
PhytoGen PSC 952	789	37.0	4.5	1.07	27.4	83	6.1
Tamcot Sphinx	764	35.8	4.8	1.08	27.7	84	5.9
Stoneville BXN 47	721	38.4	4.6	1.08	27.3	82	5.9
Paymaster PM 2326 RR	713	36.8	4.9	1.03	27.3	84	6.3
AgriPro AP 6101	697	37.1	4.6	1.11	29.2	83	6.2
AgriPro AP 7115	670	38.2	4.5	1.07	27.4	83	5.8
Texas 224	666	37.1	4.0	1.07	27.5	83	6.7
LSD(k=100) <sup>1</sup>	149	2.4	0.6	0.04	ns	ns	0.4
%CV	10.2	2.4	6.3	1.9	5.6	0.9	4.3
Mean	757	37.5	4.6	1.07	27.4	83	6.3

2. 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.

Table SPCVTIYF. Agronomic performance and fiber quality of cotton varieties evaluated at San Patricio during 2000. (Irrigated)

Cultivar	Lint Yield (lb/ac)	Gin Turnout (%)	Micro- naire (units)	Length (in)	Str. (g/tex)	UI (ratio)	Elong- ation (%)
Texas 418	1302	40.7	3.9	1.11	27.8	84	6.2
FiberMax FM 958	1258	40.6	4.5	1.17	30.2	84	4.8
AgriPro AP 7126	1244	39.6	3.9	1.13	27.8	83	5.5
Deltapine DeltaPEARL	1209	40.6	4.7	1.16	28.2	82	4.7
Deltapine DeltaTOPAZ	1201	40.6	4.6	1.08	28.4	83	6.4
Stoneville ST 4691 B	1140	39.0	4.3	1.08	25.7	82	5.2
Deltapine DP 20B	1117	38.9	4.1	1.09	24.3	82	5.9
Sure-Grow SG 747	1098	39.4	4.4	1.10	25.4	83	6.6
Deltapine DP 388	1097	38.6	4.2	1.12	28.9	83	6.7
Sure-Grow SG 215 BR	1097	38.5	4.5	1.06	24.5	83	6.3
FiberMax FM 989	1081	37.9	4.1	1.13	30.5	84	5.0
Sure-Grow SG 105	1076	37.8	4.6	1.08	28.5	83	6.0
AgriPro AP 7115	1064	38.9	4.1	1.06	26.5	82	5.4
Deltapine DP 5415 RR	1063	38.7	4.1	1.12	29.1	84	6.3
Sure-Grow SG 125 BR	1049	37.2	4.3	1.02	25.1	81	5.5
PhytoGen PSC 355	1038	37.5	4.5	1.10	28.2	83	6.7
TAM 94 C-18	1035	37.3	4.1	1.10	28.4	84	6.7
D&PL PMX 99V04 BR	1017	37.6	4.5	1.07	27.6	83	6.2
Stoneville ST 4793R	1009	39.3	4.3	1.06	27.3	82	5.7
AgriPro AP 6101	1004	36.9	4.3	1.10	28.1	82	4.8
Paymaster PM 1560 BG	1002	39.0	4.2	1.10	27.0	82	5.4
AgriPro AP 4600 RR	1001	38.3	4.5	1.03	24.3	82	5.4
8806	1000	37.9	4.4	1.11	31.3	86	6.1
Stoneville ST 4892 BR	999	38.2	3.9	1.06	25.3	82	5.3
D&PL PMX 99V02 BR	993	40.0	4.2	1.12	27.8	84	5.0
PhytoGen GA 161	982	38.5	4.4	1.11	27.8	83	5.4
Texas 208	969	37.0	3.8	1.08	25.4	83	6.3
D&PL PMX 00V06 R	967	36.7	4.6	1.08	30.4	85	6.5
D&PL PMX 00V06 BR	958	36.3	4.4	1.09	28.5	83	6.8
NuCotn 33B	955	36.2	4.3	1.12	27.9	82	5.7
Tamcot Sphinx	947	37.6	4.5	1.13	29.0	83	5.5
Sure-Grow SG 501 BR	938	38.2	4.8	1.05	27.6	83	6.2
Sure-Grow SG 821	935	38.3	4.4	1.12	28.0	83	6.4
TAM 94 J-3	932	36.3	4.1	1.21	31.1	85	6.4
8839	926	37.1	4.3	1.16	27.9	84	6.1

SPCVTIYF

Continued....

Cultivar	Lint Yield (lb/ac)	Gin Turnout (%)	Micro- naire (units)	Length (in)	Str. (g/tex)	UI (ratio)	Elong- ation (%)
Texas 224	925	37.9	3.7	1.11	27.1	83	6.7
PhytoGenGA 894	919	37.3	4.2	1.13	28.8	83	5.1
AgriPro AP 9257	916	38.8	4.1	1.07	27.4	83	5.4
Deltapine DP 420 RR	914	38.8	4.4	1.05	25.4	83	5.4
PhytoGen HS 12	908	36.4	4.4	1.11	29.4	81	4.9
Deltapine DP 565	905	35.2	4.2	1.11	29.1	83	6.3
Stoneville BXN 47	899	37.7	4.1	1.09	27.0	82	5.2
Sure-Grow SG 521 RR	890	38.0	4.2	1.07	25.9	82	5.8
TAM 94 L-25	878	38.8	4.6	1.23	29.8	84	4.8
TAM 94 WE-37s	874	35.0	3.6	1.21	29.9	83	6.2
Tamcot Luxor	871	38.8	4.4	1.10	27.9	83	5.3
Deltapine DP 436 RR	864	35.3	4.3	1.11	26.7	83	6.0
Stoneville BXN 16	844	34.8	3.5	1.11	29.2	82	5.9
PhytoGen PSC 952	844	38.4	4.5	1.05	27.1	84	5.0
Stoneville ST 2454R	838	38.5	4.2	1.06	26.6	84	5.3
Deltapine DP 422 BR	829	36.7	4.1	1.11	26.4	82	6.3
Paymaster PM 1560 BR	820	38.2	3.9	1.11	27.6	83	5.7
Deltapine DP 451 BR	796	35.4	4.5	1.10	25.6	82	4.9
AgriPro AP 1500 RR	750	36.8	3.7	1.09	27.2	82	5.4
Tamcot Pyramid	711	38.2	5.0	1.06	26.9	82	5.2
Paymaster PM 1218 BR	677	40.0	4.9	1.06	25.4	84	5.2
LSD(k=100) <sup>1</sup>	195	1.9	0.8	0.05	2.5	2.4	0.7
%CV	13.0	1.9	7.1	2.3	4.3	1.1	5.9
Mean	974	38.0	4.2	1.10	27.6	83	5.7

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.

UCCVTYF. Agronomic performance and fiber quality of cotton cultivars evaluated at Upper Coast Area (Matagorda County) during 2000 (Dryland).

Cultivar	Lint Yield (lb/ac)	Gin Turnout (%)	Micro- naire (units)	Length (in)	Str. (g/tex)	UI (ratio)	Elong- ation (%)
8806	1026	38.5	3.7	1.10	29.1	83	6.3
PhytoGen PSC 355	1011	37.1	4.2	1.11	30.5	83	6.9
Deltapine DP 428B	954	34.6	4.1	1.12	26.5	84	6.5
FiberMax FM 958	940	37.2	3.7	1.19	29.0	83	5.1
Deltapine DP 388	930	34.5	4.0	1.09	29.3	83	6.7
Stoneville ST 4691 B	893	37.0	4.1	1.07	25.9	84	5.2
PhytoGen GA 161	885	37.3	4.1	1.07	28.4	83	6.5
Paymaster PM 1560 BG	882	35.3	3.6	1.13	29.7	84	6.7
Sure-Grow SG 105	879	36.7	4.3	1.10	29.5	86	6.1
Stoneville ST 4892 BR	874	37.0	4.0	1.09	28.0	84	6.0
FiberMax FM 819	874	39.4	3.8	1.17	31.1	85	5.4
Stoneville ST 4793R	870	37.5	4.0	1.09	27.3	83	5.8
Deltapine DP 451 BR	869	34.2	4.1	1.10	27.5	84	6.3
Sure-Grow SG 521 RR	861	35.3	4.0	1.03	26.7	83	6.6
8839	860	34.9	3.9	1.16	27.7	83	6.3
Sure-Grow SG 747	857	36.1	4.3	1.09	26.7	84	6.4
Deltapine DeltaPEARL	853	39.5	4.3	1.14	29.2	83	4.8
Sure-Grow SG 215 BR	848	37.0	4.5	1.05	26.6	83	6.7
AgriPro AP 9257	841	36.1	4.0	1.08	28.2	83	5.9
Deltapine DP 20B	812	35.4	4.0	1.12	28.7	85	6.6
Stoneville BXN 47	811	38.1	4.4	1.09	27.1	84	5.7
FiberMax FM 966	805	37.5	3.4	1.14	32.1	84	4.8
PhytoGen HS 12	804	34.8	4.1	1.13	31.1	82	6.1
PhytoGen GA 952	802	34.9	4.0	1.16	31.8	85	6.4
Tamcot Pyramid	799	35.4	3.5	1.08	28.7	83	6.0
AgriPro AP 4600 RR	796	34.8	3.8	1.05	27.6	83	5.9
Paymaster PM 1218 BR	795	36.1	3.9	1.11	26.7	84	6.2
Stoneville BXN 16	794	36.6	3.6	1.12	28.2	83	5.3
TAM 94 J-3	792	33.3	3.7	1.21	30.7	85	6.1
Texas 418	784	36.3	3.5	1.11	28.4	82	5.6

## UCCVTYF. Continued.....

Cultivar	Lint Yield (lb/ac)	Gin Turnout (%)	Micro- naire (units)	Length (in)	Str. (g/tex)	UI (ratio)	Elong- ation (%)
Deltapine DP 436 RR	783	33.1	4.2	1.11	27.4	83	6.5
Tamcot Luxor	775	35.6	3.8	1.13	28.1	83	5.6
AgriPro AP 7115	768	38.0	4.1	1.08	26.7	83	5.7
FiberMax FM 989	752	34.9	3.5	1.10	31.9	83	5.7
FiberMax FM 832	740	35.9	3.4	1.20	31.3	84	6.1
TAM 94 WE-37s	736	33.5	3.5	1.16	28.0	83	6.7
AgriPro AP 6101	735	35.8	4.3	1.09	29.5	83	5.7
Deltapine DP 9Q47B	732	35.7	4.1	1.14	28.9	82	4.9
Sure-Grow SG 501 BR	728	34.5	4.2	1.06	28.5	86	6.7
Stoneville ST 2454R	724	34.8	3.6	1.08	27.9	83	5.9
Tamcot Sphinx	712	32.1	3.5	1.10	27.6	83	5.6
AgriPro AP 7126	710	36.7	4.0	1.12	28.0	83	6.0
Sure-Grow SG 125 BR	698	35.0	4.3	1.05	27.7	84	6.6
Texas 208	695	32.0	3.2	1.11	25.0	81	5.7
PhytoGen GA 894	684	34.1	3.7	1.14	31.8	83	5.9
TAM 94 C-18	680	33.1	3.5	1.07	29.5	84	6.4
AgriPro AP 1500 RR	673	35.8	3.6	1.08	30.4	84	5.6
TAM 94 L-25	641	34.1	3.3	1.23	30.1	83	5.2
Paymaster PM 1560 BR	637	36.1	3.9	1.09	27.9	83	6.0
Deltapine DP 420 RR	635	35.0	4.1	1.04	28.1	84	6.7
Deltapine DP 422 BR	620	33.0	3.9	1.06	26.5	85	6.7
Texas 224	610	34.7	3.3	1.10	26.6	83	6.8
LSD(k=100) <sup>1</sup>	189	1.7	0.7	0.06	2.3	ns	0.7
%CV	12.9	2.3	6.1	2.5	4.1	1.2	6.5
Mean	908	38.7	4.2	1.07	26.4	83	5.8

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.

UCCVTYF2YR. Agronomic performance and fiber quality of cotton varieties evaluated at Upper Coast during 2000 and 1999.

Cultivar	Lint Yield (lb/ac)	Gin Turnout (%)	Micro- naire (units)	Length (in)	Str. (g/tex)	UI (ratio)	Elong- ation (%)
Texas 418	1023	32.0	3.7	1.13	28.8	83	5.9
PhytoGen PSC 355	993	32.1	4.2	1.13	29.1	84	7.1
Tamcot Luxor	969	30.1	3.7	1.11	29.0	83	6.3
Stoneville ST 4793R	949	32.3	4.2	1.09	28.0	84	6.1
Pay PM 1560 BR	948	31.3	4.1	1.08	27.2	83	6.2
FiberMax FM 832	948	31.7	3.6	1.22	31.6	85	6.1
Paymaster PM 1218 BR	906	31.1	3.9	1.11	28.2	84	6.3
Sure-Grow SG 105	893	31.4	4.2	1.10	30.1	85	6.4
FiberMax FM 989	871	30.6	3.5	1.14	34.6	84	6.1
Deltapine DP 388	866	30.2	3.9	1.10	29.4	84	6.9
Pay PM 1560 BG	862	30.5	4.0	1.13	28.8	84	6.7
Tamcot Sphinx	856	28.8	4.0	1.12	28.6	84	5.9
PhytoGen GA 161	853	31.3	4.0	1.13	30.7	83	6.5
Sure-Grow SG 747	844	31.1	4.5	1.11	25.6	85	6.7
FiberMax FM 819	835	33.0	3.7	1.18	33.1	85	5.7
TAM 94 J-3	826	28.5	4.1	1.21	30.5	85	6.2
Deltapine DP 20B	822	30.2	3.7	1.10	29.2	84	6.8
Stoneville ST 4892 BR	812	31.7	3.9	1.09	29.2	84	6.2
Stoneville BXN 47	793	31.9	4.2	1.12	27.9	85	6.2
Stoneville ST 4691 B	787	31.0	3.9	1.12	27.7	84	5.9
PhytoGen GA 952	784	30.6	4.3	1.15	29.5	85	6.4
Texas 224	782	30.9	3.4	1.10	28.1	83	6.9
PhytoGen GA 894	770	29.8	4.0	1.16	32.0	84	6.1
Sure-Grow SG 501 BR	767	29.8	4.0	1.07	29.7	85	6.8
PhytoGen HS 12	754	30.4	3.9	1.15	31.8	83	6.1
Sure-Grow SG 125 BR	750	30.6	4.3	1.07	28.0	84	6.6
TAM 94 WE-37s	715	28.7	3.7	1.19	29.4	83	6.5
LSD(k=100) <sup>1</sup>	ns	2.7	ns	0.06	3.9	ns	0.7
%CV	17.6	3.4	8.2	2.4	5.5	1.0	4.6
Mean	851	30.8	3.9	1.12	29.4	84	6.3

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.

UCVTYF. Agronomic performance and fiber quality of cotton varieties evaluated at Uvalde during 2000. (Irrigated)

Cultivar	Lint Yield (lb/ac)	Gin Turnout (%)	Micro- naire (units)	Length (in)	Str. (g/tex)	UI (ratio)	Elong- ation (%)
Sure-Grow SG 215 BR	1000	34.9	3.1	1.07	22.6	82	7.0
Paymaster PM 1218 BR	995	38.0	3.9	1.11	23.2	84	6.4
Paymaster PM 1560 BG	893	36.5	3.4	1.09	25.7	83	6.2
Tamcot Pyramid	863	37.4	3.3	1.08	25.8	83	6.5
Sure-Grow SG 125 BR	819	33.9	3.4	1.06	25.6	82	6.9
Deltapine DP 388	812	36.7	2.9	1.11	25.0	83	6.6
Sure-Grow SG 821	811	35.1	3.5	1.11	26.8	83	6.5
8806	808	37.9	3.2	1.12	28.5	85	6.7
Sure-Grow SG 747	807	34.9	3.2	1.09	23.8	81	6.6
FiberMax FM 819	807	38.6	3.4	1.18	26.2	81	5.3
8839	795	34.5	3.6	1.13	26.5	83	6.1
FiberMax FM 966	773	35.5	3.2	1.16	29.0	82	5.3
Deltapine DP 428B	771	34.3	3.2	1.11	23.8	81	5.9
Sure-Grow SG 501 BR	764	34.9	3.4	1.02	26.2	82	5.9
Deltapine DP 436 RR	751	33.3	3.5	1.11	24.4	82	7.0
Deltapine DP 422 BR	732	34.5	3.0	1.12	23.4	81	7.0
Stoneville ST 4691 B	731	35.8	3.1	1.08	24.5	82	5.9
Deltapine DP 451 BR	722	34.3	3.4	1.13	23.3	82	5.7
NuCotn 33B	721	32.8	2.9	1.09	24.7	81	6.0
Stoneville ST 2454R	719	36.8	3.5	1.09	25.5	83	6.5
Tamcot Sphinx	707	35.5	3.5	1.12	24.9	82	6.1
Deltapine DP 20B	695	35.9	2.8	1.08	22.9	82	6.5
Tamcot Luxor	690	38.2	3.0	1.08	25.6	84	6.3
FiberMax FM 958	689	36.3	3.1	1.18	27.5	82	5.2
FiberMax FM 832	688	36.1	3.3	1.19	29.6	84	5.3
Deltapine DeltaTOPAZ	674	35.6	3.0	1.10	25.6	81	5.9
Texas 418	672	34.2	2.7	1.12	24.1	80	6.0
Texas 208	658	34.4	2.8	1.09	23.9	80	6.6
AgiPro AP 7115	656	35.9	2.9	1.10	25.5	82	6.2
Sure-Grow SG 105	656	35.4	3.3	1.12	24.4	82	6.2
Stoneville ST 4892 BR	654	35.6	3.1	1.07	25.9	83	5.9
PhytoGen GA 161	629	33.3	3.4	1.15	27.6	82	5.7
TAM 94 L-25	621	35.4	3.4	1.26	30.0	83	5.3
TAM 95 WE-48	621	33.8	2.9	1.18	26.0	81	6.4
Sure-Grow SG 521 RR	611	35.3	3.3	1.09	25.2	82	6.6

UCVITYF		Continued....					
Cultivar	Lint Yield (lb/ac)	Gin Turnout (%)	Micro- naire (units)	Length (in)	Str. (g/tex)	UI (ratio)	Elong- ation (%)
Paymaster PM 1560 BR	610	35.0	3.1	1.07	24.7	81	5.5
Stoneville BXN 47	606	35.0	3.2	1.07	24.2	81	5.8
PhytoGen PSC 355	602	36.7	3.9	1.11	27.2	84	6.8
AgiPro AP 9257	595	35.8	3.3	1.09	26.8	82	5.6
TAM 94 C-18	594	34.2	2.8	1.09	24.4	81	6.5
Deltapine DP 565	584	37.3	3.5	1.13	27.4	82	5.4
AgiPro AP 7126	571	36.0	3.3	1.13	27.0	80	5.8
Stoneville ST 4793R	556	33.6	3.2	1.07	24.6	83	6.1
AgriPro 1500 RR	521	33.5	2.7	1.13	25.4	81	5.8
AgiPro AP 6101	506	33.0	3.3	1.10	25.7	80	5.6
TAM 95 DD-29	498	36.0	2.9	1.17	24.9	82	6.8
Deltapine DeltaPEARL	471	34.8	3.3	1.14	25.8	82	5.0
FiberMax FM 989	450	34.3	2.8	1.12	26.8	80	5.4
M-557	440	35.4	3.0	1.04	24.2	82	6.0
Deltapine DP 5415 RR	432	33.2	3.0	1.10	25.0	80	5.5
TAM 94 WE-37s	418	29.9	2.4	1.19	24.9	80	6.1
AgriPro 4600 RR	416	36.1	2.8	1.06	22.6	81	6.4
M-657	352	37.0	3.3	1.00	24.7	81	5.8
M-539	292	33.2	3.0	1.09	27.3	80	5.5
M-643	262	30.7	2.8	1.10	26.9	82	5.7
LSD(k=100) <sup>1</sup>	167	2.6	1.0	0.05	2.7	3.5	0.9
%CV	15.9	3.4	10.4	2.3	4.8	1.5	6.7
Mean	650	35.1	3.1	1.11	25.5	82	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.

UCVTYF2YR. Agronomic performance and fiber quality of cotton varieties evaluated at Uvalde during 2000 and 1999.

Cultivar	Lint Yield (lb/ac)	Gin Turnout (%)	Micro- naire (units)	Length (in)	Str. (g/tex)	UI (ratio)	Elong- ation (%)
Paymaster PM 1218 BR	1038	37.8	4.1	1.09	24.2	83	6.5
Sure-Grow SG 747	941	35.3	3.9	1.08	24.0	82	6.6
Pay PM 1560 BG	916	35.9	4.1	1.07	25.9	82	6.2
FiberMax FM 819	894	39.3	3.8	1.17	27.1	82	5.5
Deltapine DP 388	867	36.4	3.6	1.09	25.8	82	6.7
Sure-Grow SG 105	865	36.1	3.8	1.10	26.1	83	6.3
FiberMax FM 832	863	36.0	3.6	1.20	30.6	84	5.7
Tamcot Luxor	860	36.4	3.6	1.09	25.2	84	6.2
Sure-Grow SG 125 BR	847	33.4	3.8	1.04	24.6	81	6.6
Sure-Grow SG 501 BR	843	34.6	3.9	1.04	26.5	83	6.3
Sure-Grow SG 821	842	35.0	3.9	1.08	26.3	82	6.8
Stoneville ST 4691 B	817	36.0	3.5	1.08	25.2	81	5.7
Tamcot Sphinx	808	34.6	3.9	1.10	26.3	82	5.9
Texas 208	798	34.3	3.3	1.08	25.3	81	6.5
Stoneville ST 4892 BR	788	35.8	3.5	1.05	26.1	82	6.0
PhytoGen PSC 355	749	37.1	4.2	1.10	26.5	84	6.8
Pay PM 1560 BR	711	34.7	3.4	1.07	25.6	81	5.9
Texas 418	706	35.5	3.4	1.12	25.3	81	6.0
Stoneville BXN 47	682	35.7	3.8	1.08	24.8	82	5.8
AgriPro AP 7115	663	35.1	3.5	1.08	25.3	82	6.1
AgriPro AP 6101	598	33.4	3.8	1.09	27.0	80	5.8
FiberMax FM 989	572	35.4	3.5	1.11	27.5	81	5.7
TAM 94 WE-37s	564	30.6	3.0	1.17	27.2	81	6.4
Deltapine DP 5415 RR	562	34.1	3.5	1.09	26.0	81	5.9
PhytoGen GA 161	547	33.4	3.8	1.14	27.9	82	5.8
LSD(k=100) <sup>1</sup>	196	2.0	0.4	0.03	2.6	ns	0.6
%CV	11.7	2.8	5.4	1.5	4.2	1.4	4.7
Mean	773	35.3	3.7	1.09	26.1	82	6.1

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.

UCVTFYF3YR. Agronomic performance and fiber quality of cotton varieties evaluated at Uvalde during 2000, 1999, and 1998.

Cultivar	Lint Yield (lb/ac)	Gin Turnout (%)	Micro- naire (units)	Length (in)	Str. (g/tex)	UI (ratio)	Elong- ation (%)
Paymaster PM 1560 BG	1068	37.2	4.5	1.07	26.0	82	6.1
Sure-Grow SG 747	1012	36.7	4.2	1.09	24.8	82	6.6
Sure-Grow SG 821	979	36.3	4.3	1.09	26.7	83	6.9
PhytoGen PSC 355	953	37.7	4.3	1.11	27.2	84	6.9
FiberMax FM 832	939	36.0	3.8	1.20	31.1	83	5.7
FiberMax FM 819	904	39.3	4.0	1.16	28.2	82	5.6
Stoneville BXN 47	853	37.1	4.1	1.09	25.6	82	5.8
AgriPro AP 6101	791	34.6	4.1	1.12	27.8	81	5.9
AgriPro AP 7115	742	36.2	3.7	1.09	26.1	81	6.2
FiberMax FM 989	699	36.4	3.8	1.12	28.7	82	5.6
LSD(k=100) <sup>1</sup>	239	2.1	0.4	0.03	1.4	ns	0.3
%CV	13.5	3.0	5.7	1.6	3.1	1.4	3.2
Mean	893	36.8	4.1	1.11	27.2	82	6.1

2. 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.

CSVTYF. Agronomic performance and fiber quality of cotton cultivars evaluated at College Station during 2000 (Irrigated).

Cultivar	Lint Yield (lb/ac)	Gin Turnout (%)	Micro- naire (units)	Length (in)	Str. (g/tex)	UI (ratio)	Elong- ation (%)
FiberMax FM 819	1743	41.1	4.4	1.18	34.4	86	6.0
Stoneville ST 4892 BR	1702	41.3	5.1	1.14	28.1	86	6.5
Sure-Grow SG 747	1691	41.1	5.2	1.10	25.1	85	7.4
Stoneville ST 474	1689	41.2	4.8	1.14	28.4	84	6.7
PhytoGen PSC 355	1680	39.5	4.7	1.14	28.9	86	7.5
Stoneville ST 4691 B	1649	41.2	4.9	1.13	27.0	85	6.3
8839	1629	36.6	4.5	1.18	28.6	85	6.7
AgriPro AP 9257	1627	40.2	4.6	1.11	29.4	85	6.5
Paymaster PM 1560 BR	1624	39.4	4.5	1.13	28.7	84	6.5
Deltapine DP 388	1612	40.2	4.7	1.13	28.8	85	7.6
Stoneville BXN 47	1609	41.3	4.8	1.13	29.3	84	6.5
Deltapine DeltaPEARL	1600	41.4	4.8	1.17	30.0	82	5.8
Deltapine DP 565	1596	39.6	5.0	1.12	28.6	84	6.6
8806	1592	37.9	4.5	1.13	30.2	85	6.7
Sure-Grow SG 821	1592	38.4	4.9	1.13	27.8	85	7.8
PhytoGen GA 161	1591	39.9	5.0	1.10	26.6	84	6.9
NuCotn 33B	1589	37.3	4.4	1.14	28.9	84	6.8
Stoneville ST 4793R	1584	40.8	5.1	1.09	27.2	84	6.4
FiberMax FM 832	1567	38.0	4.1	1.21	36.8	85	6.0
Tamcot Pyramid	1552	39.5	4.6	1.06	27.8	83	6.4
Deltapine DP 422 BR	1538	38.5	4.7	1.12	26.9	85	7.5
Deltapine DP 20 B	1518	37.7	4.6	1.12	27.1	85	7.2
PhytoGen GA 894	1498	37.6	4.5	1.19	32.1	86	6.4
Paymaster PM 1560 BG	1496	39.4	5.0	1.11	30.2	85	6.8
Sure-Grow SG 105	1494	39.4	4.8	1.15	30.0	85	6.8
AgriPro AP 7126	1492	40.9	5.3	1.14	26.2	84	6.2
PhytoGen HS 12	1485	38.8	4.9	1.16	31.1	84	6.1
AgriPro AP 7115	1482	39.3	4.8	1.10	27.5	85	6.8
TAM 96 WD-69s	1478	37.0	4.5	1.13	32.9	84	7.8
Sure-Grow SG 215 BR	1462	38.9	4.9	1.08	25.4	84	6.8

CSVTYF. Continued.....

Cultivar	Lint Yield (lb/ac)	Gin Turnout (%)	Micro- naire (units)	Length (in)	Str. (g/tex)	UI (ratio)	Elong- ation (%)
AgriPro AP 6101	1459	38.4	5.1	1.13	28.6	84	6.3
Sure-Grow SG 521 RR	1451	39.2	4.7	1.11	27.2	85	7.1
FiberMax FM 966	1448	39.1	4.8	1.13	35.7	85	5.4
AgriPro 4600 RR	1443	39.2	4.6	1.10	29.7	85	6.7
Paymaster PM H 1560	1437	39.4	4.7	1.13	29.7	84	7.1
Deltapine DP 428 B	1436	36.3	5.2	1.13	27.2	85	6.6
Tamcot Luxor	1412	37.5	4.3	1.09	30.8	85	6.8
Sure-Grow SG 501 BR	1410	39.5	4.9	1.10	29.5	85	7.5
FiberMax FM 958	1399	39.2	4.7	1.15	32.0	85	5.5
Sure-Grow SG 125	1398	38.8	4.8	1.12	26.2	85	7.2
Tamcot Sphinx	1392	36.9	4.5	1.16	32.1	85	6.7
All-Tex Atlas	1387	35.1	4.2	1.14	32.6	84	6.7
Paymaster PM 1218 BR	1375	39.6	4.5	1.09	28.5	85	6.9
Deltapine DeltaTOPAZ	1372	39.4	4.8	1.14	28.7	84	6.5
Deltapine DP 451 BR	1370	36.2	5.1	1.12	26.8	84	6.2
Sure-Grow SG 125 BR	1343	37.9	4.6	1.10	26.9	84	7.1
TAM 94 J-5	1332	35.8	4.4	1.18	31.7	85	7.2
PhytoGen PSC 952	1327	36.7	4.4	1.16	33.6	84	6.2
Deltapine DP 5415 RR	1318	39.0	4.9	1.11	30.1	83	6.3
TAM 94 L-25	1308	36.5	4.5	1.20	33.0	85	5.7
Deltapine DP 436 RR	1289	35.6	4.9	1.11	27.3	84	7.1
Deltapine 50	1287	35.5	5.1	1.12	26.8	85	6.6
FiberMax FM 989	1215	38.0	4.4	1.17	37.0	85	6.0
Agripro 1500 RR	1133	37.9	4.4	1.13	31.5	85	7.0
Acala Maxxa	1001	41.3	3.9	1.18	36.3	87	6.8
Stoneville ST 2454R	934	38.8	4.1	1.12	31.1	85	6.9
LSD (k=100) <sup>1</sup>	199	1.8	0.4	0.03	2.2	2.5	0.5
%CV	9.8	2.3	4.3	1.6	4.0	1.0	4.0
Mean	1467	38.8	4.7	1.13	29.6	85	6.7

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.

CSCVTYF2YR. Agronomic performance and fiber quality of cotton varieties evaluated at College Station during 2000 and 1999.

Cultivar	Lint Yield (lb/ac)	Gin Turnout (%)	Micro- naire (units)	Length (in)	Str. (g/tex)	UI (ratio)	Elong- ation (%)
Stoneville ST 4691 B	1810	40.0	4.8	1.13	26.5	85	6.3
FiberMax FM 819	1754	40.3	4.4	1.19	31.6	85	5.8
PhytoGen PSC 355	1749	39.8	4.8	1.13	27.9	85	7.3
Stoneville ST 4892 BR	1669	39.5	4.9	1.12	27.2	85	6.4
Sure-Grow SG 747	1661	39.3	4.9	1.10	24.5	85	7.1
FiberMax FM 832	1646	37.3	4.1	1.23	33.3	85	5.9
Stoneville BXN 47	1634	39.6	4.7	1.13	28.4	84	6.3
Sure-Grow SG 821	1621	37.9	4.6	1.12	26.5	85	7.4
Stoneville ST 4793	1611	39.9	4.8	1.10	27.3	84	6.4
Deltapine DP 388	1604	38.3	4.4	1.11	28.0	84	7.2
Paymaster PM 1560 BR	1586	38.0	4.5	1.12	28.1	84	6.5
Paymaster PM 1560 BG	1582	38.4	4.7	1.10	28.0	84	6.6
Deltapine DP 20B	1580	37.4	4.4	1.10	25.5	84	6.9
Paymaster PM 1218 BR	1559	38.5	4.6	1.09	26.7	84	6.4
NuCotn 33B	1548	36.4	4.4	1.11	27.3	83	6.5
Sure-Grow SG 105	1545	38.2	4.8	1.13	28.0	85	6.6
Sure-Grow SG 501 BR	1537	38.0	4.8	1.09	27.8	85	7.1
PhytoGen PSC HS 12	1514	37.9	4.7	1.15	29.8	84	6.0
PhytoGen GA 161	1493	37.9	4.5	1.13	28.5	83	6.5
Sure-Grow SG 125	1438	37.2	4.5	1.12	25.7	84	7.0
AgriPro AP 7115	1436	37.8	4.5	1.10	26.8	84	6.7
Tamcot Luxor	1430	37.3	4.3	1.11	29.7	85	6.4
AgriPro AP 6101	1418	37.3	4.9	1.12	27.5	84	6.3
Deltapine DP 5415 RR	1413	38.3	4.8	1.11	27.9	83	6.2
PhytoGen PSC 952	1410	38.4	4.5	1.14	30.2	84	6.5
Tamcot Sphinx	1403	36.3	4.5	1.14	30.7	85	6.3
All-Tex Atlas	1401	34.1	4.2	1.12	30.4	84	6.7
Sure-Grow SG 125 BR	1385	36.3	4.5	1.08	25.2	84	6.8
FiberMax FM 989	1371	37.3	4.3	1.15	33.4	84	5.9
Deltapine 50	1334	34.4	4.7	1.11	25.3	84	6.6
Acala Maxxa	867	39.3	3.8	1.16	34.6	86	6.4
LSD(k=100) <sup>1</sup>	207	2.3	0.5	0.04	3.1	ns	0.5
%CV	6.7	2.8	4.6	1.8	5.4	0.8	3.7
Mean	1516	37.9	4.5	1.12	28.3	84	6.5

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.

CSCVTYF3YR. Agronomic performance and fiber quality of cotton varieties evaluated at College Station during 2000,1999, and 1998.

Cultivar	Lint Yield (lb/ac)	Gin Turnout (%)	Micro- naire (units)	Length (in)	Str. (g/tex)	UI (ratio)	Elong- ation (%)
PhytoGen PSC 355	1501	39.1	4.8	1.12	28.4	84	7.0
FiberMax FM 819	1433	40.0	4.7	1.18	31.0	84	5.4
Sure-Grow SG 747	1426	39.6	4.9	1.11	26.0	85	6.9
Paymaster PM 1560 BG	1385	38.6	5.0	1.10	28.7	84	6.3
FiberMax FM 832	1367	37.2	4.3	1.21	32.5	84	5.6
Stoneville BXN 47	1350	39.5	4.7	1.12	28.5	84	5.8
Sure-Grow SG 821	1337	38.0	4.9	1.12	27.1	84	7.0
Deltapine DP 20B	1297	37.8	4.6	1.10	26.0	83	6.4
NuCotn 33B	1281	36.5	4.5	1.11	27.9	83	6.1
Sure-Grow SG 125	1265	38.1	4.7	1.12	26.0	83	6.5
AgriPro AP 7115	1205	38.0	4.7	1.10	26.8	83	6.1
PhytoGen PSC 952	1204	38.5	4.7	1.12	29.2	84	6.2
Deltapine 50	1182	34.7	4.9	1.12	26.2	83	6.0
AgriPro AP 6101	1164	37.5	5.1	1.12	27.6	83	5.7
Tamcot Sphinx	1149	36.6	4.6	1.12	30.2	84	5.8
FiberMax FM 989	1148	37.4	4.6	1.13	31.9	83	5.4
Acala Maxxa	742	39.7	4.0	1.15	34.0	85	6.0
LSD(k=100) <sup>1</sup>	183	1.7	0.4	0.03	2.8	ns	0.4
%CV	9.0	2.7	4.7	1.7	5.9	0.9	4.4
Mean	1261	38.1	4.7	1.13	28.7	84	6.1

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.

TCVTYF. Agronomic performance and fiber quality of cotton cultivars evaluated at Thrall during 2000 (Dryland).

Cultivar	Lint Yield (lb/ac)	Gin Turnout (%)	Micro- naire (units)	Length (in)	Str. (g/tex)	UI (ratio)	Elong- ation (%)
Phytogen PSC 355	553	39.0	4.3	1.04	29.0	84	6.9
Paymaster 1560 BG	551	37.9	3.6	1.04	28.2	83	6.4
TAM 94 C-18	522	36.4	3.9	1.02	28.6	83	5.8
TAM 94 J-3	521	35.4	3.8	1.13	30.0	85	6.7
Sure-Grow 105	516	36.6	3.4	1.05	29.1	84	6.5
Sure-Grow 215 BR	505	37.2	3.5	1.00	25.4	82	6.3
Deltapine 428B	502	35.5	3.5	1.06	26.1	82	6.2
Paymaster 2379 RR	497	36.9	3.9	1.00	28.4	82	6.4
Paymaster 1218 BR	496	37.4	3.6	1.04	25.3	83	6.1
Sure-Grow 501 BR	489	38.1	3.8	1.02	28.2	83	6.5
Deltapine 20B	481	37.5	3.7	1.04	27.3	82	6.9
Deltapine 436 RR	480	34.9	3.5	1.04	27.4	83	7.2
Tamcot Sphinx	478	35.7	3.3	1.04	29.4	82	6.0
AgriPro AP 7115	463	39.5	3.9	1.03	25.9	81	5.5
Deltapine 388	455	36.5	3.4	1.02	29.4	82	6.9
4600 RR	452	36.9	3.6	1.01	26.5	81	6.2
NK 2108 ss	451	36.7	3.3	1.04	27.3	81	5.9
AgriPro AP 9257	450	37.3	3.8	1.02	26.5	83	5.9
Sure-Grow 125 BR	446	36.7	3.6	1.03	27.5	82	6.8
Tamcot Pyramid	444	36.9	3.4	1.01	25.7	82	6.0
Stoneville 4892 BR	439	38.3	3.8	1.04	25.7	83	5.7
FiberMax FM 989	438	37.2	3.2	1.07	30.8	83	6.2
Phytogen GA 161	436	38.6	3.4	1.07	28.4	83	5.9
Deltapine 451 BR	436	35.7	3.7	1.09	30.9	83	5.9
FiberMax FM 958	436	34.8	3.4	1.05	26.9	82	5.4
Deltapine 565	435	38.8	4.1	1.05	27.6	83	6.1
AgriPro 1500 RR	434	35.1	3.2	1.06	30.1	83	6.7
Tamcot Luxor	431	36.1	3.0	1.04	29.4	82	5.9
FiberMax FM 966	427	41.7	4.0	1.09	30.3	84	5.3
FiberMax FM 819	427	37.9	3.4	1.08	32.2	83	5.6

TCVTYF. Continued.....

Cultivar	Lint Yield (lb/ac)	Gin Turnout (%)	Micro- naire (units)	Length (in)	Str. (g/tex)	UI (ratio)	Elong- ation (%)
AV EX 9416	416	37.5	4.1	1.03	31.2	83	6.9
TAM 94 L-25	415	37.5	3.4	1.12	31.2	83	5.5
Deltapine 422 BR	413	36.2	3.5	1.04	25.9	82	6.4
AV EX 9423	412	36.0	3.7	1.03	30.4	83	6.0
FiberMax FM 832	406	38.0	3.8	1.10	31.5	83	5.8
AgriPro AP 7126	405	37.9	3.9	1.04	25.6	82	5.8
NuCotn 33B	400	35.5	3.7	1.06	27.9	82	5.8
Tamcot Sphinx	398	35.8	3.3	1.05	28.6	83	6.2
M-539	389	37.3	3.9	1.04	29.2	82	5.4
Deltapine 420 RR	388	36.9	3.4	1.04	27.1	83	6.4
Deltapine 50	386	33.9	3.4	1.03	25.3	82	6.0
Sure-Grow 747	385	38.4	3.9	1.05	26.3	84	6.8
All-Tex Atlas	383	35.4	3.7	1.03	30.3	82	6.2
Stoneville 4691 B	380	40.6	4.0	1.00	27.5	82	5.6
M-657	380	37.6	3.8	1.06	25.2	81	5.9
Sure-Grow 521 RR	378	38.2	3.8	1.00	25.3	82	6.4
AgriPro AP 6101	373	37.1	4.1	1.04	27.8	83	5.8
Stoneville BXN 47	370	38.8	4.1	1.04	27.9	84	5.4
AV EX 9444	365	34.2	3.4	1.01	28.3	82	6.3
M-557	364	39.2	3.7	1.02	29.2	82	6.4
Paymaster 2280 B/R	364	34.3	3.2	1.05	30.9	82	5.7
M-643	357	36.5	3.3	1.07	37.1	83	6.6
Acala Maxxa	339	40.3	3.3	1.09	34.2	84	6.4
Stoneville ST 4793R	327	38.6	4.0	1.01	24.8	81	5.7
Stoneville ST 2454R	300	38.0	3.5	1.03	29.1	82	6.1
Texas 208	261	34.2	3.3	1.06	25.6	81	6.1
LSD (k=100) <sup>1</sup>	149	2.5 0.4	0.03	2.2	1.4	0.5	
%CV	19.4	3.2 5.7	1.50	4.1	0.8	4.1	
Mean	427	37.1	36.1	1.04	28.3	83.0	6.1

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.

TCVTYF2YR.

Agronomic performance and fiber quality of cotton varieties evaluated at Thrall during 2000 and 1999.

Cultivar	Lint Yield (lb/ac)	Gin Turnout (%)	Micro- naire (units)	Length (in)	Str. (g/tex)	UI (ratio)	Elong- ation (%)
Paymaster 2280 BR	838	34.3	3.7	1.08	30.9	84	6.5
PhytoGen PSC 355	715	36.9	3.9	1.10	30.2	85	7.1
Paymaster 1218 BR	699	36.9	4.0	1.06	25.8	84	6.3
Sure-Grow 105	694	35.9	3.6	1.08	29.8	84	6.6
Paymaster 1560 BG	689	36.8	3.6	1.06	29.8	83	6.7
Deltapine 20B	688	36.0	3.5	1.07	28.0	83	7.1
Sure-Grow 501 BR	672	36.4	3.7	1.06	28.8	84	6.8
Sure-Grow 747	671	36.6	4.1	1.08	26.1	84	7.2
Tamcot Luxor	670	36.8	3.4	1.05	28.2	84	6.3
All-Tex Atlas	637	34.9	3.9	1.06	30.0	83	6.4
Deltapine 436 RR	623	33.5	3.6	1.07	28.3	83	7.2
Deltapine 451 BR	615	34.0	3.5	1.09	29.9	84	6.2
AgriPro AP 7115	612	37.4	3.7	1.05	28.7	81	6.2
Deltapine 50	594	33.2	3.5	1.07	26.4	82	6.4
Deltapine DP 388	588	35.2	3.6	1.05	28.7	83	7.0
AgriPro AP 6101	580	34.8	3.9	1.08	30.6	83	6.1
Sure-Grow 125 BR	575	35.0	3.6	1.06	28.5	83	6.9
Tamcot Sphinx	559	34.5	3.5	1.08	30.8	83	6.2
NuCotn 33B	546	33.5	3.5	1.09	29.8	83	6.4
Stoneville BXN 47	531	37.0	3.6	1.07	29.5	84	5.9
Acala Maxxa	498	38.5	3.4	1.11	36.4	85	6.5
Paymaster 2280 B/R	364	34.3	3.2	1.05	31.0	82	5.7
LSD(k=100) <sup>1</sup>	ns	2.5	ns	ns	3.3	1.9	0.5
%CV	11.1	3.0	9.9	1.7	5.1	0.9	3.7
Mean	621	35.6	3.6	1.07	29.3	83	6.5

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.

TCVTYF3YR. Agronomic performance and fiber quality of cotton varieties evaluated at Thrall during 2000, 1999, and 1998.

Cultivar	Lint Yield (lb/ac)	Gin Turnout (%)	Micro- naire (units)	Length (in)	Str. (g/tex)	UI (ratio)	Elong- ation (%)
PhytoGen PSC 355	595	38.4	4.3	1.07	29.1	84	6.9
Paymaster 1560 BG	566	38.3	4.2	1.05	28.7	83	6.4
Sure-Grow 747	566	38.6	4.4	1.06	25.8	84	6.9
Deltapine 20B	550	37.3	3.9	1.06	27.5	83	6.8
AgriPro AP 7115	512	38.9	4.1	1.04	28.0	81	5.9
Deltapine 50	496	33.8	3.9	1.07	26.6	83	6.3
AgriPro AP 6101	487	36.6	4.3	1.08	29.5	83	5.9
NuCotn 33B	465	35.2	3.8	1.07	29.2	82	6.1
Stoneville BXN 47	456	38.6	4.1	1.05	28.0	84	5.6
Tamcot Sphinx	445	35.8	4.1	1.06	29.6	82	5.8
Acala Maxxa	413	39.6	3.7	1.10	35.3	84	6.2
LSD(k=100) <sup>1</sup>	126	1.3	ns	0.04	1.8	1.2	0.3
%CV	12.4	2.2	7.5	1.9	3.9	0.9	3.5
Mean	505	37.4	4.1	1.06	28.8	83	6.3

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.

DCVTYF.

## Agronomic performance and fiber quality of cotton cultivars evaluated at Dallas during 2000 (Dryland).

Cultivar	Lint Yield (lb/ac)	Gin Turnout (%)	Micro- naire (units)	Length (in)	Str. (g/tex)	UI (ratio)	Elong- ation (%)
Sure-Grow SG 521 RR	437	32.2	3.9	1.02	25.2	82	6.0
Deltapine DP 20B	434	34.1	4.3	1.07	26.1	82	6.1
Deltapine DP 388	427	34.4	3.9	1.03	26.5	81	6.0
Paymaster PM 1218 BR	426	32.3	4.4	1.04	25.8	82	5.9
Sure-Grow SG 125 BR	421	32.2	4.2	1.05	26.3	82	6.1
Sure-Grow SG 215 BR	416	33.3	4.6	0.99	22.9	80	5.4
Paymaster PM 2379 RR	396	32.4	4.1	1.00	28.5	81	6.1
Stoneville ST 4892 BR	391	33.8	4.4	1.01	24.3	80	5.2
Sure-Grow SG 747	390	32.1	4.4	1.06	25.5	83	6.9
Texas 418	371	34.2	3.7	1.03	25.9	80	5.4
Deltapine DP 420 RR	365	32.0	4.4	1.04	24.2	82	6.0
Paymaster PM 2326 RR	362	29.9	3.7	1.01	27.9	82	5.7
Deltapine DP 436 RR	357	30.6	4.3	1.09	26.5	82	6.3
Tamcot Sphinx	355	30.9	4.2	1.02	26.8	82	5.6
Deltapine 50	355	28.5	4.0	1.07	25.6	82	5.5
Sure-Grow SG 501 BR	355	31.7	4.3	1.02	26.8	82	6.6
TAM 94 C-18	354	30.0	4.0	1.01	27.6	81	5.8
Stoneville ST 4793R	353	34.3	4.1	1.02	25.0	81	5.0
Phytogen PSC 355	350	32.9	4.3	1.02	27.7	82	6.8
Tamcot Luxor	350	30.2	4.0	0.99	25.6	81	5.0
NuCotn 33B	348	31.8	4.0	1.05	26.8	81	5.6
Paymaster PM 2280 B/R	348	29.6	3.3	1.02	29.4	80	5.5
AgriPro AP 9257	346	33.6	4.3	1.03	26.0	81	5.5
Deltapine DP 5690 RR	343	33.6	4.2	1.03	28.0	81	5.1
TAM 94 L-25	340	27.3	3.5	1.12	30.9	81	4.8
FiberMax FM 958	337	33.0	4.3	1.05	26.0	82	5.7
Sure-Grow SG 105	337	33.0	4.0	1.06	27.0	81	5.0
Tamcot Sphinx	332	32.0	3.9	1.03	27.5	82	5.9
Stoneville ST 2454R	332	30.9	4.2	1.04	25.9	82	5.4
Stoneville ST 4691 B	331	33.0	4.0	1.04	23.3	81	4.8

DCVTF. Continued.....

Cultivar	Lint Yield (lb/ac)	Gin Turnout (%)	Micro- naire (units)	Length (in)	Str. (g/tex)	UI (ratio)	Elong- ation (%)
AVE X9444	331	28.7	3.5	1.03	28.2	82	5.4
AgriPro 1500 RR	328	33.2	4.3	1.03	26.2	80	5.6
AgriPro AP 7115	328	31.6	3.5	1.05	28.2	82	6.0
TAM 94 J-3	328	27.9	4.0	1.12	30.6	83	6.1
Deltapine DP 422 BR	327	32.4	4.2	1.06	26.1	82	6.0
TAM 97 WHH-44	325	29.5	3.7	1.05	30.4	82	5.7
Stoneville BXN 47	319	31.7	4.3	1.04	24.5	81	5.2
AVE X9423	308	31.7	4.3	1.08	26.8	82	5.3
AgriPro AP 6101	308	29.5	4.2	1.04	29.7	82	6.1
Tamcot Pyramid	305	30.3	4.0	1.01	31.6	82	6.3
AVE X9416	305	31.4	4.1	0.98	23.9	81	5.2
AgriPro AP 7126	303	34.1	4.8	1.07	25.5	82	5.3
Phytogen GA 161	297	29.7	4.0	1.10	30.4	82	5.5
Texas 208	294	29.0	3.6	1.04	24.3	80	5.8
AgriPro 4600 RR	293	32.1	4.0	0.98	23.4	80	5.2
All-Tex Atlas	276	28.4	3.6	1.01	29.5	80	5.6
Deltapine DP 451 BR	276	29.0	4.0	1.08	24.5	82	5.3
Acala Maxxa	262	31.2	3.6	1.10	37.3	84	5.9
LSD (k=100) <sup>1</sup>	72	3.8	0.4	0.03	2.2	1.9	0.7
%CV	12.9	5.2	4.9	1.5	4.4	1.0	5.8
Mean	346	31.5	4.0	1.04	26.9	81	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.

DCVTYF2YR.

Agronomic performance and fiber quality of cotton varieties evaluated at Dallas during 2000 and 1999.

Cultivar	Lint Yield (lb/ac)	Gin Turnout (%)	Micro- naire (units)	Length (in)	Str. (g/tex)	UI (ratio)	Elong- ation (%)
Sure-Grow SG 125 BR	477	31.3	4.5	1.05	26.0	83	5.9
Deltapine DP 20B	460	30.9	4.3	1.05	25.9	82	5.8
PhytoGen PSC 355	451	32.2	4.6	1.01	27.6	83	6.5
Deltapine DP 388	443	32.2	4.3	1.02	25.4	82	5.7
Sure-Grow SG 747	441	31.4	4.8	1.05	24.5	83	6.4
Paymaster PM 2280 BR	438	27.7	3.9	1.00	26.7	81	5.2
Sure-Grow SG 501 BR	432	31.1	4.6	1.02	26.6	83	6.3
Deltapine 50	431	28.8	4.4	1.06	25.0	83	5.4
Paymaster PM 1218 BR	429	31.9	4.7	1.02	24.8	82	5.5
AgriPro AP 7115	424	31.4	4.3	1.05	27.3	82	5.8
Tamcot Luxor	413	29.6	4.2	0.98	25.3	82	4.9
NuCotn 33B	399	31.1	4.2	1.05	26.6	81	5.5
Paymaster PM 2326 RR	398	29.2	4.0	1.01	26.5	82	5.5
Deltapine DP 436 RR	392	29.0	4.5	1.09	26.6	83	6.0
AgriPro AP 6101	391	30.7	4.5	1.05	28.4	83	5.7
All-Tex Atlas	380	28.5	4.0	1.01	28.7	81	5.6
Stoneville BXN 47	372	31.4	4.6	1.04	24.5	81	4.9
Sure-Grow SG 105	372	31.5	4.5	1.04	26.3	82	5.3
PhytoGen GA 161	354	28.9	4.2	1.10	29.9	83	5.5
Paymaster PM 2280 B/R	348	29.6	3.3	1.02	29.4	80	5.5
Tamcot Sphinx	345	30.2	4.4	1.00	26.5	82	5.4
Deltapine DP 451 BR	328	29.1	4.4	1.07	23.8	82	5.1
Acala Maxxa	279	29.7	3.9	1.09	36.0	84	5.8
LSD(k=100) <sup>1</sup>	106	ns	0.5	0.03	1.3	1.7	0.5
%CV	10.5	4.2	4.6	1.2	2.5	0.8	4.5
Mean	400	30.4	4.3	1.04	26.8	82	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.

DCVTYF3YR. Agronomic performance and fiber quality of cotton varieties evaluated at Dallas during 2000,1999, and 1998.

Cultivar	Lint Yield (lb/ac)	Gin Turnout (%)	Micro- naire (units)	Length (in)	Str. (g/tex)	UI (ratio)	Elong- ation (%)
Deltapine DP 20B	423	30.8	4.5	1.05	25.8	82	5.6
Sure-Grow SG 747	412	31.4	4.9	1.04	25.0	83	6.0
PhytoGen PSC 355	404	31.3	4.8	1.02	27.9	82	6.0
Deltapine 50	396	28.6	4.6	1.06	25.3	83	5.3
AgriPro AP 7115	389	31.1	4.5	1.05	27.2	82	5.5
Paymaster PM 1218 BR	367	30.7	4.8	1.02	25.0	82	5.4
AgriPro AP 6101	360	30.2	4.8	1.07	28.7	82	5.3
Paymaster PM 2326 RR	327	29.0	4.3	1.00	26.9	82	5.3
Stoneville BXN 47	315	29.7	4.7	1.05	24.7	81	4.8
Tamcot Sphinx	289	29.1	4.3	1.01	25.9	82	5.2
Acala Maxxa	224	28.0	4.0	1.09	34.4	83	5.5
LSD(k=100) <sup>1</sup>	75	ns	0.4	0.03	1.8	ns	0.5
%CV	12.2	5.2	5.3	1.8	4.2	0.9	5.1
Mean	355	30.0	4.6	1.04	27.0	82	5.4

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.

CHCVTYF. Agronomic performance and fiber quality of cotton varieties evaluated at Chillicothe during 2000. (Dryland)

Cultivar	Lint Yield (lb/ac)	Gin Turnout (%)	Micro- naire (units)	Length (in)	Str. (g/tex)	UI (ratio)	Elong- ation (%)
D&PL PMX 99V02BR	794	31.9	4.3	1.09	29.9	82	5.7
Paymaster PM 2280 BR	728	29.3	4.5	1.09	31.8	83	5.2
D&PL PMX 99V05BR	697	26.1	4.4	1.08	28.8	83	5.5
Sure-Grow SG 747	694	30.5	4.5	1.05	26.0	81	6.3
Paymaster PM 330	687	29.2	4.7	1.04	28.6	81	5.6
Paymaster PM 2379 RR	683	28.4	4.8	1.05	30.3	82	6.8
Tamcot Luxor	676	27.9	4.1	1.05	28.9	82	5.1
D&PL PMX 00V05 RR	669	28.9	4.5	1.02	26.7	82	5.3
D&PL PMX 99V04BR	666	27.5	4.0	1.04	28.4	83	5.7
Tamcot Sphinx	662	29.4	4.7	1.07	29.0	82	5.3
Paymaster PM 2326 BR	657	27.7	4.7	1.04	29.5	82	5.6
FiberMax FM 958	656	29.8	4.6	1.12	28.6	83	4.4
Stoneville ST 474	651	30.3	4.6	1.07	26.6	83	5.1
Deltapine DP 2156	650	29.2	4.8	1.02	25.6	82	5.2
Novartis NK 2165 C	645	31.5	4.0	1.09	26.4	81	5.8
D&PL PMX 00V06 RR	641	27.6	4.3	1.07	30.7	82	5.8
D&PL PMX 00V06 BR	641	27.1	4.2	1.04	27.8	81	6.0
Paymaster Tejas	637	28.4	4.8	1.05	29.3	82	6.0
TAM 94 L-25	634	26.9	4.2	1.19	31.2	82	4.7
AgirPro AP 7115	629	29.2	4.0	1.08	26.0	81	5.1
Paymaster PM 1218 BR	624	27.6	4.3	1.07	27.9	83	5.4
TAM 93 WB-59	621	27.9	3.9	1.09	27.0	80	5.9
D&PL PMX 9C23BR	620	26.3	4.3	1.08	28.3	81	5.3
PhytoGen PSC 355	611	28.1	4.4	1.08	30.3	83	6.9
4600 RR	609	28.9	4.4	1.03	25.7	83	6.1
SeedCo 9023	602	26.6	4.9	1.09	30.7	84	6.2
Stoneville ST 4892 BR	589	29.9	4.2	1.09	27.5	81	5.4
NuCotn 33B	588	28.0	4.0	1.1	28.8	83	5.8
Stoneville ST 2454R	580	29.4	4.2	1.06	27.7	83	5.6
AV Ex 9444	580	27.5	4.5	1.06	29.2	84	5.7
Novartis NK 2108ss	573	27.8	4.2	1.06	26.9	81	5.7
TAM 94 J-5	565	25.3	3.9	1.12	29.7	81	5.7
All-Tex Excess	552	26.1	4.2	1.13	34.2	83	6.0
Paymaster PM 2326 RR	549	27.6	4.7	1.06	30.8	82	5.4
Novartis NK DG256	548	26.5	4.1	1.07	30.9	82	5.7

CHCVTYF.

Continued.....

Cultivar	Lint Yield (lb/ac)	Gin Turnout (%)	Micro- naire (units)	Length (in)	Str. (g/tex)	UI (ratio)	Elong- ation (%)
All-Tex Atlas	540	25.7	4.1	1.07	31.3	83	5.9
Stoneville ST 4691 B	535	28.3	3.4	1.08	24.6	81	5.1
AV Ex 9423	534	25.6	4.4	1.05	29.4	83	5.3
Tamcot Pyramid	525	26.8	4.2	1.05	25.6	83	5.1
Paymaster PM 2145 RR	519	29.3	4.7	1.01	25.6	83	5.0
AgriPro AP 9257	510	26.8	3.8	1.06	26.8	82	5.1
Paymaster PM 2200 RR	509	25.9	4.2	1.07	28.4	82	5.2
Stoneville ST 4793R	508	29.5	4.0	1.05	26.3	83	6.0
PhytoGen PSC 952	501	25.9	3.7	1.15	29.1	81	5.1
TAM 94 J-3	498	24.2	3.9	1.18	30.9	83	6.0
H186	489	24.8	4.0	1.05	27.7	82	5.6
1500 RR	472	27.4	4.0	1.08	27.1	81	5.2
FiberMax FM 819	471	28.5	4.5	1.16	30.4	85	4.7
Deltapine DP 458 BR	466	28.1	3.8	1.11	27.5	81	5.5
AgriPro AP 7126	460	27.2	3.7	1.12	29.0	83	5.4
Acala Maxxa	457	29.4	3.8	1.16	33.4	83	5.3
TAM 94 C-18	452	25.3	4.3	1.05	30.3	83	6.2
AgriPro AP 6101	450	25.9	3.9	1.11	28.7	82	5.2
AV Ex 9416	446	26.3	4.9	1.11	30.8	83	5.6
Stoneville BXN 47	436	25.9	3.8	1.09	27.1	83	5.0
Texas 208	407	24.5	3.6	1.08	23.9	80	5.6
LSD (k=100)	84	1.7	0.4	0.05	2.2	3.0	0.7
%CV	10.9	3.1	4.8	2.3	3.9	1.2	6.1
Mean	579	27.7	4.2	1.08	28.5	82.0	5.5

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.

CHCVTYF2YR. Agronomic performance and fiber quality of cotton varieties evaluated at Chillicothe during 2000 and 1999.

Cultivar	Lint Yield (lb/ac)	Gin Turnout (%)	Micro- naire (units)	Length (in)	Str. (g/tex)	UI (ratio)	Elong- ation (%)
Paymaster PM 330	773	29.6	4.7	1.03	29.3	81	6.1
Paymaster PM 2280 BR	731	29.0	4.3	1.08	32.4	83	5.8
Sure-Grow SG 747	714	30.0	4.4	1.06	26.4	82	6.8
Paymaster PM 2326 BR	704	28.7	4.6	1.03	29.7	82	6.2
Deltapine DP 2156	701	29.1	4.8	1.01	26.4	83	5.5
Tamcot Sphinx	681	28.9	4.7	1.07	30.3	83	5.7
Tamcot Luxor	675	28.0	4.2	1.02	28.7	82	5.2
Paymaster PM 2326 RR	673	28.6	4.8	1.05	29.9	82	5.9
TAM 94 L-25	673	26.9	4.1	1.16	31.6	82	5.0
Paymaster Tejas	672	27.4	4.7	1.05	30.8	82	6.5
All-Tex Atlas	670	27.4	4.4	1.05	30.6	83	6.2
AgriPro AP 7115	632	27.8	4.0	1.08	28.4	82	5.8
SeedCo 9023	626	26.9	4.9	1.08	29.5	83	6.3
PhytoGen PSC 355	622	28.4	4.6	1.07	29.6	84	7.2
All-Tex Excess	620	27.5	4.6	1.08	30.2	83	6.0
Paymaster PM 2145 RR	611	30.1	4.7	1.00	27.6	82	5.4
NuCotn 33B	610	28.1	4.0	1.08	30.3	83	6.3
Stoneville ST 474	607	29.5	4.6	1.07	27.4	84	5.7
Paymaster PM 1218 BR	583	27.9	4.4	1.06	28.2	84	6.0
Paymaster PM 2200 RR	548	26.6	4.3	1.07	29.1	82	5.8
Stoneville BXN 47	512	27.2	4.1	1.08	27.6	83	5.6
AgriPro AP 6101	496	26.2	4.1	1.11	30.9	82	5.9
Acala Maxxa	474	27.6	3.8	1.15	35.9	84	5.7
LSD(k=100) <sup>1</sup>	150	ns	0.4	0.04	5.3	ns	0.6
%CV	9.8	4.5	4.7	1.7	6.8	1.0	4.7
Mean	634	28.1	4.4	1.06	29.6	82	5.9

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.

CHCVTYF3YR. Agronomic performance and fiber quality of cotton varieties evaluated at Chillicothe during 2000,1999, and 1998.

Cultivar	Lint Yield (lb/ac)	Gin Turnout (%)	Micro- naire (units)	Length (in)	Str. (g/tex)	UI (ratio)	Elong- ation (%)
Paymaster PM 330	763	29.2	4.6	1.04	29.5	82	6.3
Deltapine DP 2156	740	29.4	4.6	1.01	26.4	83	5.5
Paymaster PM 2280 BR	732	28.4	4.0	1.09	31.5	82	5.7
Paymaster PM 2326 BR	725	28.7	4.4	1.05	30.0	82	6.4
Tamcot Sphinx	703	28.4	4.6	1.09	30.7	83	5.7
All-Tex Atlas	692	27.6	4.3	1.07	30.6	83	6.4
Phytogen PSC 355	690	28.5	4.5	1.10	30.3	84	7.1
Paymaster Tejas	690	27.4	4.7	1.06	30.6	82	6.6
TAM 94 L-25	682	26.9	4.0	1.18	32.1	82	5.2
Paymaster 2326 RR	671	28.5	4.8	1.07	29.9	83	5.8
Payaster 2145 RR	666	30.0	4.6	1.02	27.8	82	5.4
AgriPro AP 7115	664	27.5	3.9	1.11	29.5	82	5.8
Paymaster 1218 BR	641	28.7	4.5	1.07	28.1	84	5.9
Paymaster 2200 RR	609	26.9	4.1	1.08	29.3	82	5.9
AgriPro AP 6101	497	25.9	4.1	1.13	31.0	82	6.0
Acala Maxxa	470	26.8	3.7	1.17	36.0	84	5.8
LSD(k=100) <sup>1</sup>	107	2.3	0.3	0.02	2.1	1.4	0.4
%CV	9.5	4.1	4.5	1.4	4.4	0.9	4.0
Mean	665	28.1	4.3	1.08	30.2	83	6.1

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.