Table 1. Lint Yield, Gin Turnout, and Fiber Quality of Early-Maturing Cotton Varieties Grown at PDREC located in Florence, SC, in 2006. Early-Maturity Dryland OVT. M. Jones.

Variety	Lint Yield	Gin Turnout	Micronaire	Length	Strength	Uniformity
	lb/acre	%		in.	g/tex	%
DPL 555 BR	**954**	**41.8**				
DPL 454 BR	**922**	**41.6**				
ST 5599 BR	**887**	40.4				
DPL 143 B2RF	**864**	37.8				
DPL 147 RF	**830**	38.8				
ST 4427 B2RF	**817**	**41.6**				
DPL 445 BR	**808**	**40.9**				
ST 5242 BR	785	40.8				
DPL 455 BR	784	**41.4**				
ST 4554 B2RF	777	39.2				
PHY 485 WRF	772	39.9				
DPL 434 RR	762	40.5				
FM 960 BR	731	38.9				
ST 4664 RF	726	39.8				
FM 960 B2R	713	39.5				
PHY 470 WR	711	39.6				
DPL 110 RF	701	37.6				
ST 4574 BR	699	40.7				
PHY 370 WR	682	40.5				
DPLX 06W650F	666	39.8				
DG 060642 B2RF	662	37.7				
PHY 310 R	655	**41.6**				
DP 117 B2RF	635	39.9				
DPL 432 RR	630	39.3				
DG 2520 B2RF	629	**43.2**				
DG 2100 B2RF	626	37.9				
DPL 121 F	625	40.8				
PHY 480 WR	618	37.9				
ST 4357 B2RF	588	39.2				
DPL 444 BR	581	37.8				
PHY 425 RF	579	38.5				
BW 2038B2RF	554	38.3				
BW 4630 B2RF	538	38.5				
CG 4020 B2RF	537	39.1				
ST 4700 B2RF	527	37.8				
DG 2242 B2RF	523	37.7				
CG 3520 B2RF	515	39.5				
BW 4021 B2RF	507	36.2				
CG 3020 B2RF	502	36.7				
BW 3255 B2RF	500	38.4				
LSD (0.05)	164	2.3				
C.V. (%)	17	4.2				
Trial Mean	678	39.4				

Bold numbers are not statistically different at the 0.05 level of probability.

Table 2. Lint Yield, Gin Turnout, and Fiber Quality of Late-Maturing Cotton Varieties Grown at PDREC located in Florence, SC, in 2006. Late-Maturity Dryland OVT. M. Jones.

Variety	Lint Yield	Gin Turnout	Micronaire	Length	Strength	Uniformity
	lb/acre	%		in.	g/tex	%
DPL 555 BR	**839**	**41.9**				
FM 960 BR	**768**	39.5				
ST 5599 BR	**748**	39.2				
ST 5242 BR	**731**	**40.6**				
DPL 494 RR	**715**	**40.2**				
DPL 143 B2RF	**686**	36.8				
PD 99035	668	38.4				
PD 98066	668	38.3				
ST 6611 B2RF	663	36.7				
FM 960 B2R	644	39.6				
ST 6622 RF	639	37.8				
ST 6565 B2RF	626	35.4				
DPL 488 BR	614	38.8				
PHY 370 WR	612	39.6				
DPL 445 BR	607	39.3				
DPL 455 BR	600	**40.3**				
DPL 454 BR	598	**40.4**				
DPL 167 RF	573	38				
DG 2520 B2RF	562	37.2				
DPL 147 RF	561	**40.2**				
DPL 449 BR	554	38.9				
PD 97047	543	36.2				
DPL 515 BR	524	**40.5**				
FM 9063B2RF	516	37.3				
PD 97019	516	38.1				
BW 8391 B2RF	487	38.2				
DPL 164 B2RF	482	37.5				
DG 0A0265 BR	379	35.6				
LSD (0.05)	163	2.2				
C.V. (%)	19	4.0				
Trial Mean	612	38.6				

Bold numbers are not statistically different at the 0.05 level of probability.

Table 3. Lint Yield, Gin Turnout, and Fiber Quality of Early-Maturing Cotton Varieties Grown in Lee Co. at Wisacky, SC, in 2006. Early-Maturity Dryland OVT. M. Jones.

Variety	Lint Yield	Gin Turnout	Micronaire	Length	Strength	Uniformity
	lb/acre	%		in.	g/tex	%
DPL 555 BR	**1293**	**41.1**				
DPL 454 BR	**1276**	**39.6**				
DPL 110 RF	**1229**	37.9				
PHY 425 RF	**1228**	37.0				
DP 117 B2RF	**1216**	**39.8**				
DPL 445 BR	**1206**	**39.4**				
DPL 455 BR	**1197**	**39.9**				
FM 960 BR	**1170**	37.9				
PHY 370 WR	**1169**	**39.3**				
DPL 121F	**1168**	**39.7**				
DPL 434 RR	**1165**	**40.2**				
PHY 310 R	**1156**	**39.3**				
PHY 470 WR	**1152**	38.3				
ST 4427 B2RF	**1142**	38.5				
ST 5599 BR	**1125**	38.2				
ST 4575 BR	**1123**	**39.3**				
DPL 444 BR	**1117**	38.5				
ST 5242 BR	**1116**	38.9				
DPL 432 RR	**1108**	38.7				
ST 4664 RF	1088	38.3				
PHY 480 WR	1073	36.1				
ST 4357 B2RF	1065	37.4				
FM 960 B2R	1059	37.6				
PHY 485 WRF	1058	38.4				
BW 3255 B2RF	1047	37.2				
DPL 147 RF	1032	36.4				
DG 060642 B2RF	1013	36.2				
DPL 143 B2RF	1012	36.7				
BW 4630 B2RF	1009	36.3				
DG 2100 B2RF	1004	36.1				
DG 2520 B2RF	994	37.9				
DPLX 06W650F	989	37.2				
CG 3020 B2RF	946	34.7				
CG 3520 B2RF	945	37.2				
CG 4020 B2RF	939	36.0				
ST 4554 B2RF	936	37.7				
ST 4700 B2RF	927	36.4				
BW 2038B2RF	927	36.3				
DG 2242 B2RF	823	37.7				
BW 4021 B2RF	790	35.1				
LSD (0.05)	203	1.9				
C.V. (%)	13	3.5				
Trial Mean	1076	37.9				

Bold numbers are not statistically different at the 0.05 level of probability.

Table 4. Lint Yield, Gin Turnout, and Fiber Quality of Late-Maturing Cotton Varieties Grown in Lee Co. at Wisacky, SC, in 2006. Late-Maturity Dryland OVT. M. Jones.

Variety	Lint Yield	Gin Turnout	Micronaire	Length	Strength	Uniformity
	lb/acre	%		in.	g/tex	%
DPL 454 BR	**1329**	40.5				
ST 5599 BR	**1154**	38.9				
DPL 455 BR	**1147**	**41.9**				
DPL 143 B2RF	**1145**	37.1				
PHY 370 WR	**1116**	**41.0**				
DPL 167 RF	**1112**	37.0				
DPL 164 B2RF	1088	37.5				
DPL 494 RR	1082	39.6				
DPL 515 BR	1076	40.2				
FM 960 BR	1040	38.0				
DPL 147 RF	1022	39.0				
PD 97047	1017	38.2				
BW 8391 B2RF	1012	35.3				
DPL 449 BR	1011	37.7				
DPL 555 BR	1006	**42.1**				
DG 2520 B2RF	992	37.4				
PD 97019	983	37.4				
PD 98066	974	38.8				
FM 960 B2R	963	38.2				
ST 6565 B2RF	960	35.7				
DPL 488 BR	958	38.5				
ST 6611 B2RF	957	35.8				
ST 6622 RF	946	38.1				
ST 5242 BR	924	39.6				
DPL 445 BR	878	**41.0**				
FM 800 BR	813	39.1				
PD 99035	736	37.6				
DG 0A0265 BR	708	36.8				
LSD (0.05)	228	1.6				
C.V. (%)	16	2.9				
Trial Mean	1005	38.5				

Bold numbers are not statistically different at the 0.05 level of probability.

Table 5. Lint Yield, Gin Turnout, and Fiber Quality of Early-Maturing Cotton Varieties Grown in Dillon Co. at Minturn, SC, in 2006. Early-Maturity Dryland OVT. M. Jones.

Variety	Lint Yield	Gin Turnout	Micronaire	Length	Strength	Uniformity
	lb/acre	%		in.	g/tex	%
DPL 555 BR	**1454**	**40.3**				
DPL 434 RR	**1318**	37.7				
FM 960 B2R	**1288**	38.2				
PHY 485 WRF	**1271**	36.3				
DP 117 B2RF	**1260**	37.1				
ST 5242 BR	**1253**	37.4				
BW 4630 B2RF	1232	34.8				
FM 960 BR	1231	35.6				
PHY 480 WR	1229	35.2				
DPL 110 RF	1216	36.1				
DG 060642 B2RF	1209	35.1				
DPL 445 BR	1161	37.4				
PHY 310 R	1147	38.4				
ST 4554 B2RF	1145	35.5				
DG 2242 B2RF	1141	35.9				
DPL 454 BR	1131	**39.5**				
ST 4427 B2RF	1125	35.5				
ST 5599 BR	1122	37.6				
PHY 370 WR	1122	38.6				
CG 4020 B2RF	1117	34.2				
DPL 432 RR	1110	36.1				
PHY 425 RF	1087	34.9				
DG 2100 B2RF	1083	34.9				
ST 4357 B2RF	1082	35.9				
DPLX 06W650F	1080	36.9				
ST 4575 BR	1062	35.5				
CG 3020 B2RF	1044	34.4				
DPL 444 BR	1025	37.5				
DPL 147 RF	1022	35.6				
BW 3255 B2RF	1019	34.4				
DPL 143 B2RF	1003	36.2				
DPL 455 BR	994	36.8				
DG 2520 B2RF	986	33.5				
ST 4664 RF	979	34.9				
CG 3520 B2RF	968	34.5				
PHY 470 WR	958	36.2				
ST 4700 B2RF	954	34.6				
BW 2038B2RF	953	34.4				
DPL 121 F	951	37.4				
BW 4021 B2RF	906	33.6				
LSD (0.05)	201	1.7				
C.V. (%)	13	3.3				
Trial Mean	1111	36.1				

Bold numbers are not statistically different at the 0.05 level of probability.

Table 6. Lint Yield, Gin Turnout, and Fiber Quality of Late-Maturing Cotton Varieties Grown in Dillon Co. at Minturn, SC, in 2006. Late-Maturity Dryland OVT. M. Jones.

Variety	Lint Yield	Gin Turnout	Micronaire	Length	Strength	Uniformity
	lb/acre	%		in.	g/tex	%
DPL 488 BR	**1549**	**42.1**				
PHY 370 WR	**1527**	38.9				
DPL 555 BR	**1481**	**42.0**				
ST 5242 BR	**1439**	38.4				
DPL 515 BR	**1430**	36.9				
FM 960 B2R	**1406**	37.2				
DPL 454 BR	**1349**	**39.5**				
ST 5599 BR	1255	38.5				
DPL 455 BR	1208	37.4				
DG 2520 B2RF	1204	36.8				
FM 800 BR	1204	37.2				
DPL 494 RR	1171	38.0				
FM 960 BR	1152	37.7				
DPL 445 BR	1150	38.8				
ST 6611 B2RF	1148	35.0				
PD 98066	1146	36.9				
ST 6565 B2RF	1138	34.0				
DPL 147 RF	1130	37.6				
DPL 449 BR	1127	36.1				
DPL 164 B2RF	1112	36.0				
DPL 143 B2RF	1095	37.4				
PD 99035	1087	36.0				
BW 8391 B2RF	1050	33.6				
ST 6622 RF	1026	36.5				
DPL 167 RF	1009	36.1				
PD 97047	991	35.5				
PD 97019	875	35.9				
DG 0A0265 BR	733	34.9				
LSD (0.05)	217	2.8				
C.V. (%)	13	5.2				
Trial Mean	1185	37.2				

Bold numbers are not statistically different at the 0.05 level of probability.

Table 7. Lint Yield, Gin Turnout, and Fiber Quality of Early-Maturing Cotton Varieties Grown in Calhoun Co. at Cameron, SC, in 2006. Early-Maturity Dryland OVT. M. Jones.

Variety	Lint Yield	Gin Turnout	Micronaire	Length	Strength	Uniformity
	lb/acre	%		in.	g/tex	%
PHY 425 RF	**1358**	**42.1**				
DPL 555 BR	**1347**	**41.2**				
PHY 470 WR	**1335**	38.1				
DPL 454 BR	**1323**	**40.8**				
PHY 485 WRF	**1303**	38.2				
PHY 480 WR	**1293**	37.5				
DPL 110 RF	**1256**	37.9				
PHY 310 R	**1248**	39.0				
FM 960 BR	**1246**	37.2				
BW 4630 B2RF	**1227**	**39.4**				
DPL 432 RR	**1200**	36.9				
DP 117 B2RF	1195	37.5				
DPL 444 BR	1195	37.5				
DPL 455 BR	1194	**39.7**				
DPL 121F	1175	**39.7**				
ST 4427 B2RF	1174	36.4				
PHY 370 WR	1165	38.0				
DPL 143 B2RF	1159	36.1				
DPL 434 RR	1147	37.6				
BW 2038B2RF	1129	37.1				
DG 2520 B2RF	1119	38.0				
DPL 445 BR	1106	37.9				
ST 5242 BR	1103	37.9				
DPLX 06W650F	1095	37.2				
CG 4020 B2RF	1088	35.4				
ST 4357 B2RF	1071	35.7				
CG 3520 B2RF	1064	34.9				
DPL 147 RF	1059	37.2				
ST 4554 B2RF	1043	36.9				
DG 060642 B2RF	1038	35.2				
ST 4575 BR	1037	37.3				
BW 4021 B2RF	1035	34.5				
ST 4664 RF	1034	36.5				
ST 4700 B2RF	1034	36.5				
CG 3020 B2RF	1003	34.4				
DG 2100 B2RF	1003	34.9				
DG 2242 B2RF	954	36.3				
BW 3255 B2RF	951	34.3				
LSD (0.05)	159	3.0				
C.V. (%)	10	5.7				
Trial Mean	1145	37.4				

Bold numbers are not statistically different at the 0.05 level of probability.

Table 8. Lint Yield, Gin Turnout, and Fiber Quality of Late-Maturing Cotton Varieties Grown in Calhoun Co. at Cameron, SC, in 2006. Late-Maturity Dryland OVT. M. Jones.

Variety	Lint Yield	Gin Turnout	Micronaire	Length	Strength	Uniformity
	lb/acre	%		in.	g/tex	%
DPL 454 BR	**1287**	**40.6**				
DPL 515 BR	**1281**	**39.5**				
DPL 555 BR	**1254**	**41.9**				
DPL 488 BR	**1234**	37.4				
DPL 494 RR	**1231**	38.0				
DPL 449 BR	**1211**	36.5				
DPL 147 RF	**1208**	37.1				
DPL 445 BR	**1187**	38.6				
DPL 455 BR	**1178**	**39.7**				
DPL 143 B2RF	**1171**	35.4				
ST 6565 B2RF	**1148**	34.0				
ST 5599 BR	**1134**	38.8				
FM 960 BR	**1101**	35.9				
BW 8391 B2RF	**1060**	33.6				
DG 2520 B2RF	**1056**	**39.7**				
ST 6622 RF	**1048**	35.9				
DPL 167 RF	1030	35.4				
DPL 164 B2RF	1001	36.6				
PD 97047	998	35.4				
PD 98066	985	37.2				
ST 6611 B2RF	943	34.3				
DG 0A0265 BR	927	34.0				
PD 97019	913	35.8				
PD 99035	900	36.5				
LSD (0.05)	243	2.4				
C.V. (%)	16	4.7				
Trial Mean	1104	37.0				

Bold numbers are not statistically different at the 0.05 level of probability.

TABLE 9. COTTON TRIAL - EARLY MATURITY - COASTAL PLAIN:
EDISTO RESEARCH AND EDUCATION CENTER, BLACKVILLE, SC.
2006 DATA

COMPANY OR BRAND NAME	VARIETY OR STRAIN	LINT YIELD (LB/A)	LINT PERCENT (%)
PhytoGen	PHY 425 RF	1427	41.5
D&PL	DP 455 BG/RR	1350	44.8
PhytoGen	PHY 470 WR	1350	41.7
D&PL	DP 117 B2RF	1333	42.3
PhytoGen	PHY 310 R	1329	43.9
PhytoGen	PHY 480 WR	1321	40.8
D&PL	DP 110 RF	1305	42.6
Stoneville	ST 4664RF	1290	43.0
D&PL	DP 454 BG/RR	1274	45.1
Stoneville	ST 4357B2RF	1274	42.7
PhytoGen	PHY 370 WR	1243	43.5
Stoneville	ST 4575BR	1236	42.7
Stoneville	ST 5242BR	1213	42.3
D&PL	DP 143 B2RF	1203	39.7
Stoneville	ST 4427B2RF	1200	41.5
D&PL	DP 445 BG/RR	1188	42.1
D&PL	DP 121 RF	1181	43.8
Dyna-Gro	2100 B2RF	1168	39.0
CROPLAN GENETICS	CG 4020B2RF	1160	39.5
PhytoGen	PHY 485 WRF	1160	42.8
D&PL	DP 147 RF	1160	41.2
CROPLAN GENETICS	CG 3520B2RF	1156	40.3
Stoneville	ST 4554B2RF	1126	38.8
CROPLAN GENETICS	CG 3020B2RF	1115	42.1
D&PL	DP 432 RR	1110	41.4
BCG	BW-2038B2F	1082	40.0
D&PL	DPLX06W650F	1080	42.1
Stoneville	ST 4700B2RF	1063	39.7
D&PL	DP 444 BG/RR	1056	42.5
BCG	BW-3255B2F	1050	39.6
BCG	BW-4630B2F	1040	38.9
BCG	BW-4021B2F	1019	37.3
Dyna-Gro	060642 B2RF	990	38.2
D&PL	DP 434 RR	982	43.7
Dyna-Gro	2242 B2RF	971	40.6
AVERAGES		1177	41.5
L.S.D. (.10)		149	2.2
C.V. (%)		10.8	4.6
STD. ERROR OF ENTRY MEAN		63.3 DF=102	
R-SQUARED		0.54	

TABLE 10. COTTON TRIAL - LATER MATURITY - COASTAL PLAIN:
EDISTO RESEARCH AND EDUCATION CENTER, BLACKVILLE, SC.
2006 DATA

COMPANY OR BRAND NAME	VARIETY OR STRAIN	LINT YIELD (LB/A)	LINT PERCENT (%)
D&PL	DP 555 BG/RR	1313	45.9
D&PL	DP 455 BG/RR	1272	45.9
D&PL	DP 488 BG/RR	1266	41.4
Dyna-Gro	2520 B2RF	1162	41.4
D&PL	DP 143 B2RF	1157	40.3
D&PL	DP 454 BG/RR	1152	43.8
Stoneville	ST 5599BR	1116	42.1
D&PL	DP 494 RR	1091	42.4
D&PL	DP 449 BG/RR	1077	40.2
D&PL	DP 164 B2RF	1073	38.3
BCG	BW-8391B2F	1066	37.9
D&PL	DP 167 RF	1063	39.2
USDA-ARS	PD98066	1053	41.7
Stoneville	ST 6622RF	1049	41.7
D&PL	DP 147 RF	1033	40.9
Stoneville	ST 6611B2RF	1023	38.5
Stoneville	ST 6565B2RF	1008	38.5
D&PL	DP 515 BG/RR	971	43.1
USDA-ARS	PD97047	964	39.5
USDA-ARS	PD97019	938	39.6
D&PL	DP 445 BG/RR	922	42.1
USDA-ARS	PD99035	906	40.0
Dyna-Gro	0A0265 BR	898	40.0
AVERAGES		1068	41.0
L.S.D. (.10)		155	1.7
C.V. (%)		12.3	3.6
STD. ERROR OF ENTRY MEAN		65.6 DF=66	
R-SQUARED		0.65	

TABLE 11. IRRIGATED COTTON TRIAL - EARLY MATURITY - COASTAL PLAIN: EDISTO RESEARCH AND EDUCATION CENTER, BLACKVILLE, SC. 2006 DATA

COMPANY OR BRAND NAME	VARIETY OR STRAIN	LINT YIELD (LB/A)	LINT PERCENT (%)
PhytoGen	PHY 425 RF	1881	43.7
D&PL	DP 454 BG/RR	1765	47.1
PhytoGen	PHY 310 R	1757	45.5
PhytoGen	PHY 485 WRF	1737	44.5
PhytoGen	PHY 480 WR	1667	43.0
PhytoGen	PHY 470 WR	1653	42.8
D&PL	DP 117 B2RF	1652	42.7
D&PL	DP 143 B2RF	1605	40.8
Stoneville	ST 5242BR	1592	43.1
Stoneville	ST 4575BR	1575	43.3
D&PL	DP 110 RF	1569	43.6
D&PL	DP 455 BG/RR	1560	45.5
D&PL	DP 434 RR	1552	41.6
Stoneville	ST 4554B2RF	1507	42.3
D&PL	DP 432 RR	1492	43.4
CROPLAN GENETICS	CG 3520B2RF	1489	41.2
BCG	BW-4630B2F	1481	41.1
D&PL	DPLX06W650F	1477	43.6
Stoneville	ST 4427B2RF	1476	42.8
Stoneville	ST 4664RF	1465	42.8
PhytoGen	PHY 370 WR	1445	45.8
D&PL	DP 121 RF	1410	44.9
Dyna-Gro	2100 B2RF	1405	39.5
Dyna-Gro	060642 B2RF	1402	39.7
D&PL	DP 147 RF	1392	42.6
Stoneville	ST 4357B2RF	1367	42.0
Stoneville	ST 4700B2RF	1361	40.0
Dyna-Gro	2242 B2RF	1328	44.3
CROPLAN GENETICS	CG 3020B2RF	1324	40.0
CROPLAN GENETICS	CG 4020B2RF	1315	41.0
BCG	BW-4021B2F	1254	38.7
D&PL	DP 444 BG/RR	1201	42.9
BCG	BW-3255B2F	1169	39.3
BCG	BW-2038B2F	1165	40.8
D&PL	DP 445 BG/RR	1090	43.1
AVERAGES		1474	42.6
L.S.D. (.10)		222	2.4
C.V. (%)		12.8	4.8
STD. ERROR OF ENTRY MEAN		94.4 DF=102	
R-SQUARED		0.62	

TABLE 12. IRRIGATED COTTON TRIAL - LATER MATURITY - COASTAL PLAIN: EDISTO RESEARCH AND EDUCATION CENTER, BLACKVILLE, SC. 2006 DATA

COMPANY OR BRAND NAME	VARIETY OR STRAIN	LINT YIELD (LB/A)	LINT PERCENT (%)
D&PL	DP 167 RF	1982	48.1
D&PL	DP 555 BG/RR	1863	45.1
D&PL	DP 515 BG/RR	1729	43.8
D&PL	DP 455 BG/RR	1725	44.4
D&PL	DP 164 B2RF	1707	39.9
Stoneville	ST 5599BR	1685	42.0
Stoneville	ST 6565B2RF	1683	38.5
D&PL	DP 494 RR	1673	40.7
D&PL	DP 449 BG/RR	1666	40.7
D&PL	DP 488 BG/RR	1651	41.7
D&PL	DP 454 BG/RR	1646	44.7
USDA-ARS	PD98066	1617	42.0
D&PL	DP 143 B2RF	1615	38.5
Stoneville	ST 6622RF	1593	41.1
Stoneville	ST 6611B2RF	1557	39.2
USDA-ARS	PD97019	1547	40.9
USDA-ARS	PD99035	1533	39.8
D&PL	DP 147 RF	1503	41.0
USDA-ARS	PD97047	1426	41.0
Dyna-Gro	2520 B2RF	1400	40.7
BCG	BW-8391B2F	1388	37.4
Dyna-Gro	0A0265 BR	1368	43.6
D&PL	DP 445 BG/RR	1144	41.8
AVERAGES		1596	41.6
L.S.D. (.10)		242	4.7
C.V. (%)		12.8	9.6
STD. ERROR OF ENTRY MEAN		102.5 DF=66	
R-SQUARED		0.54	