

Table 1. Lint Yield, Gin Turnout, and Fiber Quality of Early-Maturing Cotton Varieties Grown at PDREC located in Florence, SC, in 2005. Early-Maturity Dryland OVT. M. Jones.

Variety	Lint Yield (lb/acre)	Gin Turnout (%)	Micronaire	Length (in.)	Strength (g/tex)	Uniformity (%)
PHY 370 WR	1475	42.2	4.7	1.12	29.2	83.0
DPL 445 BR	1462	41.3	4.3	1.17	29.0	83.5
PHY 310 RR	1458	43.1	4.5	1.12	28.8	83.1
DPLX 03X179 RR	1455	42.7	4.5	1.20	31.8	84.6
PHY 440 W	1450	41.4	4.3	1.15	28.6	83.2
DPL 444 BR	1434	41.6	4.0	1.15	28.5	83.2
DPLX 04Y170BR	1430	42.0	4.6	1.14	29.1	83.0
DPL 432 RR	1417	41.9	4.4	1.14	28.0	83.8
DPL 455 BR	1403	41.2	4.1	1.15	29.6	81.7
DPL 454 BR	1381	41.7	3.8	1.09	27.9	82.2
DPL 434 RR	1381	42.9	4.3	1.17	26.8	83.4
ST 5242 BR	1378	40.0	4.3	1.13	28.2	83.2
PSC 355	1332	41.0	4.9	1.12	28.5	83.9
FM 960 B2R	1317	41.6	4.3	1.15	30.1	82.2
ST 4575 BR	1313	40.6	4.3	1.12	27.8	82.9
PHY 480 WR	1294	39.8	4.5	1.14	29.2	83.7
FM 960 BR	1283	40.5	4.2	1.12	32.3	82.6
DPL 555 BR	1281	43.4	4.4	1.09	27.7	81.4
DPL 424 BII/RR	1280	38.0	4.4	1.13	26.9	83.7
PHY 470 WR	1273	41.4	4.3	1.12	27.8	83.5
FMX 0222 B2LL	1258	39.8	4.2	1.16	30.3	82.4
PHY 410 RR	1258	40.4	4.6	1.11	28.6	83.5
ST 4686 RR	1239	40.4	4.5	1.13	28.2	83.5
FM 960 RR	1104	41.0	4.0	1.13	29.6	83.2
FM 966 LL	1074	38.6	4.2	1.13	32.1	82.4
LSD (0.05)	146	1.5	0.2	0.03	1.2	0.9
C.V. (%)	8	2.6	3.4	1.60	3.0	0.8
Trial Mean	1337	41.1	4.3	1.13	29.0	83.1

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 2005. Late-Maturity Dryland OVT. M. Jones.

Variety	Lint Yield (lb/acre)	Gin Turnout (%)	Micronaire	Length (in.)	Strength (g/tex)	Uniformity (%)
DPLX 04Y170 BR	1584	42.8	4.6	1.14	28.2	82.8
DPL 445 BR	1552	40.8	4.2	1.17	27.8	83.6
DPL 488 BR	1548	40.7	4.3	1.15	28.1	82.2
ST 6636 BR	1504	39.0	4.3	1.14	29.0	83.0
DPL 454 BR	1502	41.5	3.9	1.09	27.2	82.5
DPL 449 BR	1472	40.3	4.5	1.13	29.3	82.5
DPL 494 RR	1468	41.9	4.6	1.16	29.9	82.7
ST 6848 RR	1457	39.5	4.6	1.14	30.6	83.8
DPLX 05X648 DR	1451	42.8	4.5	1.11	27.4	81.6
DPL X03X179 RR	1416	42.1	4.4	1.18	29.7	84.5
DPL 455 BR	1409	42.4	4.0	1.15	28.0	81.3
DPL 555 BR	1409	43.7	4.5	1.10	26.4	81.6
DPL 543 BGII/RR	1395	40.3	4.4	1.11	28.5	81.2
ST 5599 BR	1374	40.7	4.4	1.13	27.8	82.5
FM X9166 B2LL	1344	40.7	4.3	1.12	29.3	81.9
FM 991 RR	1310	40.1	4.2	1.17	29.7	82.7
FM 991 BR	1293	39.8	4.4	1.13	30.7	82.5
ST 5303 RR	1275	39.4	4.4	1.11	30.5	83.2
FM 991 B2R	1272	39.3	4.1	1.18	29.8	83.0
FM 989 B2R	1265	38.1	3.8	1.13	28.9	82.1
FM 989 RR	1227	41.2	4.0	1.13	30.9	83.2
FM X1003 B2LL	1201	39.3	3.9	1.15	29.7	82.0
LSD (0.05)	175	1.2	0.3	0.02	1.3	0.9
C.V. (%)	9	2.1	4.3	1.50	3.1	0.7
Trial Mean	1397	40.8	4.3	1.14	29.0	82.5

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

Table 3. Lint Yield, Gin Turnout, and Fiber Quality of 21 Early-Maturing Roundup Ready Flex Cotton Varieties and 4 Check Varieties Grown at PDREC located in Florence, SC, in 2005. Early-Maturity Dryland OVT. Plots not sprayed topically with Glyphosate. M. Jones.

Variety	Lint Yield (lb/acre)	Gin Turnout (%)	Micronaire	Length (in.)	Strength (g/tex)	Uniformity (%)
XBCG-1004 BGII/F	1621	39.1	4.0	1.14	26.8	82.0
PHY 475 WRF	1585	42.4	4.4	1.10	29.5	82.8
<i>ST 5242 BR</i>	1578	40.5	4.3	1.10	28.9	82.7
PHY 425 RF	1570	41.0	4.4	1.12	30.2	82.9
XBCG-4630 BGII/F	1566	38.9	4.0	1.15	26.8	81.8
ST 4554 B2RF	1553	40.6	4.1	1.11	28.7	82.3
PHY 415 RF	1550	41.3	4.5	1.10	28.4	83.2
<i>DPL 444 BR</i>	1550	41.5	3.9	1.13	28.7	82.3
PHY 485 WRF	1525	40.5	4.4	1.11	29.7	82.9
XBCG-9124 BGII/F	1500	39.7	4.1	1.15	26.3	81.9
CX 601	1495	38.5	3.8	1.09	27.2	82.7
<i>DPL 555 BR</i>	1478	44.0	4.0	1.10	28.5	81.5
XBCG-3255 BGII/F	1458	38.7	3.9	1.10	26.3	81.8
XBCG-4575 BGII/F	1455	39.6	4.0	1.12	26.8	83.0
CX 612	1442	38.6	4.0	1.13	26.4	81.5
XBCG-8391 BGII/F	1439	36.6	4.0	1.16	28.0	83.2
DPL 113 B2RF	1411	39.5	4.0	1.13	28.8	82.4
CX 611	1404	37.8	3.7	1.12	26.6	81.6
DPL 110 RF	1390	40.3	4.3	1.11	31.5	82.3
DPL 108 RF	1382	40.5	3.9	1.08	29.5	81.4
<i>FM 960 BR</i>	1354	39.7	4.0	1.09	32.5	82.3
XBCG-4021 BGII/F	1350	37.2	3.8	1.13	27.1	82.3
DPL 117 B2RF	1305	39.7	4.1	1.14	31.1	82.1
ST 4664 RF	1288	40.6	4.2	1.10	28.3	82.1
XBCG-1505 RF	1265	37.5	4.1	1.13	30.0	83.1
LSD. (0.05)	175	1.3	0.3	0.04	1.5	0.9
C.V. (%)	8	2.3	4.4	2.36	3.8	0.8
Trial Mean	1461	39.8	4.1	1.12	28.5	82.3

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

Table 4. Lint Yield, Gin Turnout, and Fiber Quality of 14 Late-Maturing Roundup Ready Flex Cotton Varieties and 3 Check Varieties Grown at PDREC located in Florence, SC, in 2005. Late-Maturity Dryland OVT. Plots not sprayed topically with Glyphosate. M. Jones.

Variety	Lint Yield (lb/acre)	Gin Turnout (%)	Micronaire	Length (in.)	Strength (g/tex)	Uniformity (%)
<i>DPL 555 BR</i>	1603	44.1	4.6	1.09	27.5	81.0
<i>ST 5599 BR</i>	1573	40.5	4.5	1.09	28.5	80.6
<i>FM 991 BR</i>	1564	40.7	4.4	1.14	31.7	82.7
ST X0414 B2RF	1549	37.9	4.1	1.14	29.4	82.3
ST 6611 B2RF	1508	37.5	4.1	1.13	29.2	82.0
DPL 143 B2RF	1488	39.1	3.9	1.18	27.4	81.0
CX 631	1484	37.4	4.0	1.18	26.7	82.7
DPL 167 RF	1458	38.7	4.0	1.18	29.3	82.5
ST 5007 B2RF	1442	37.6	4.0	1.17	26.9	82.9
ST 4357 B2RF	1440	40.2	3.9	1.16	25.9	82.4
DPL 164 B2RF	1435	40.6	4.3	1.14	28.2	81.4
DPL 147 RF	1424	40.7	3.9	1.18	28.6	81.3
ST 6622 RF	1406	40.1	4.2	1.12	29.9	82.5
CX 621	1399	40.2	4.0	1.16	26.1	82.2
DPL 152 RF	1360	39.9	4.2	1.14	28.0	81.6
DPL156 B2RF	1356	39.5	4.1	1.13	27.1	81.2
ST X5885 B2RF	1343	37.6	4.1	1.14	28.9	81.9
LSD (0.05)	114	1.0	0.3	0.03	1.2	1.2
C.V. (%)	5	1.8	4.4	1.56	3.0	1.1
Trial Mean	1461	39.6	4.1	1.14	28.2	81.9

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 Lee Co. at Wysacky, SC, in 2005. Early-Maturity Dryland OVT. M. Jones.

Variety	Lint Yield (lb/acre)	Gin Turnout (%)	Micronaire	Length (in.)	Strength (g/tex)	Uniformity (%)
DPL 445 BR	1479	41.2	3.9	1.13	28.2	82.4
PHY 370 WR	1469	40.5	3.9	1.09	29.0	81.8
DPL 454 BR	1464	42.2	3.6	1.09	29.0	82.4
PHY 410 RR	1435	39.2	4.2	1.13	28.6	83.3
FM 966 LL	1433	39.2	3.9	1.12	31.1	82.2
DPL 444 BR	1430	40.8	3.7	1.13	27.2	82.2
DPL 434 RR	1416	41.5	3.7	1.17	25.8	82.6
ST 4686 RR	1412	41.0	4.1	1.11	27.6	82.0
DPL 555 BR	1407	43.5	4.3	1.11	28.9	80.6
PHY 440 W	1399	40.1	3.9	1.12	28.5	81.9
PHY 480 WR	1395	39.0	4.1	1.14	28.7	83.2
ST 4575 BR	1395	40.3	3.9	1.12	28.1	82.0
DPL 455 BR	1381	42.1	3.6	1.13	29.1	81.6
DPL 432 RR	1373	39.9	3.9	1.12	27.8	82.7
ST 5242 BR	1357	39.5	4.0	1.10	27.6	82.8
PHY 310 RR	1335	41.6	4.0	1.11	28.9	82.7
FMX 0222 B2LL	1327	38.0	3.7	1.16	30.8	81.5
ST 5599 BR	1325	38.9	4.1	1.10	29.7	81.6
PHY 470 WR	1322	39.2	4.1	1.10	28.3	82.3
DPLX 04Y170BR	1319	40.5	4.0	1.11	29.0	81.4
DPLX 03X179 RR	1315	42.0	4.1	1.14	31.3	82.8
FM 960 B2R	1297	38.9	3.7	1.15	30.7	82.1
DPL 424 BII/RR	1260	36.6	4.0	1.12	26.3	82.3
FM 960 BR	1219	39.1	3.6	1.10	32.4	81.6
PSC 355	1212	39.8	4.6	1.10	29.3	82.9
FM 960 RR	1084	40.6	3.6	1.11	30.8	81.2
LSD (0.05)	142	1.2	0.3	0.03	1.3	1.1
C.V. (%)	7	2.1	5.0	1.86	3.2	1.0
Trial Mean	1356	40.1	3.9	1.12	29.0	82.2

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 Lee Co. at Wysacky, SC, in 2005. Late-Maturity Dryland OVT. M. Jones.

Variety	Lint Yield (lb/acre)	Gin Turnout (%)	Micronaire	Length (in.)	Strength (g/tex)	Uniformity (%)
PSC 355	1427	39.5	4.7	1.12	28.2	83.1
DPL X03X179 RR	1421	42.1	4.3	1.16	30.9	83.0
DPL 555 BR	1361	43.8	4.2	1.08	29.6	80.2
DPL 445 BR	1360	41.2	3.9	1.14	29.2	82.5
DPL 455 BR	1320	41.7	3.9	1.13	30.1	81.8
ST 5242 BR	1314	39.4	4.1	1.10	27.7	82.4
FM X9166 B2LL	1314	39.9	4.1	1.10	32.1	81.6
DPLX 04Y170 BR	1311	40.8	4.2	1.14	29.0	81.7
ST 6848 RR	1281	38.0	4.2	1.14	32.3	82.8
DPLX 05X648 DR	1282	41.1	4.4	1.10	28.7	80.4
DPL 454 BR	1278	42.6	3.9	1.09	28.7	81.5
DPL 449 BR	1264	39.2	4.0	1.13	30.6	82.3
FM 991 BR	1257	38.8	4.3	1.12	32.7	81.9
FM 991 RR	1232	38.9	4.1	1.13	30.2	81.6
ST 5303 RR	1226	38.9	4.1	1.09	32.4	83.0
ST 5599 BR	1224	39.7	4.3	1.11	29.8	81.0
ST 6636 BR	1220	37.6	4.1	1.12	30.0	81.7
DPL 494 RR	1213	40.8	4.1	1.17	30.2	81.8
FM 991 B2R	1199	37.8	3.8	1.17	31.3	82.2
DPL 543 BGII/RR	1199	38.6	4.2	1.13	29.5	81.5
DPL 488 BR	1187	39.8	3.8	1.14	28.8	81.6
FM X1003 B2LL	1065	37.2	3.6	1.13	30.4	81.0
FM 989 RR	1159	40.6	3.8	1.11	31.3	81.9
FM 989 B2R	1018	36.4	3.7	1.12	31.3	81.5
LSD (0.05)	154	1.3	0.3	0.03	1.6	1.0
C.V. (%)	9	2.3	5.0	1.75	3.7	0.9
Trial Mean	1256	39.8	4.1	1.12	30.2	81.8

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 Dillon Co. at Minturn, SC, in 2005. Early-Maturity Dryland OVT. M. Jones.

Variety	Lint Yield (lb/acre)	Gin Turnout (%)	Micronaire	Length (in)	Strength (g/tex)	Uniformity (%)
DPL 434 RR	1766	41.7	4.1	1.19	25.9	83.1
PHY 440 W	1725	40.3	4.4	1.16	28.3	83.3
DPL 454 BR	1725	42.5	4.2	1.12	28.1	82.6
ST 4686 RR	1724	40.9	4.4	1.15	27.8	83.3
DPLX 03X179 RR	1704	41.4	4.5	1.18	29.5	83.6
DPLX 04Y170BR	1695	42.4	4.6	1.15	28.8	83.4
ST 5599 BR	1673	40.7	4.5	1.15	28.6	82.3
PSC 355	1649	39.0	5.0	1.14	29.1	83.4
DPL 432 RR	1640	39.7	4.4	1.16	28.6	83.4
DPL 555 BR	1639	45.0	4.3	1.12	27.3	81.2
DPL 455 BR	1597	43.1	4.4	1.18	28.2	83.5
PHY 480 WR	1588	38.6	4.5	1.16	29.0	83.1
FM 966 LL	1587	38.2	4.4	1.15	31.3	83.0
DPL 445 BR	1550	40.1	4.4	1.18	29.9	82.8
DPL 424 BII/RR	1531	36.8	4.5	1.13	27.3	83.4
PHY 370 WR	1526	40.5	4.5	1.15	28.9	83.5
PHY 310 RR	1521	42.1	4.6	1.15	29.5	83.5
ST 5242 BR	1510	40.0	4.5	1.13	27.0	83.2
PHY 410 RR	1508	39.1	4.5	1.16	29.0	83.5
FM 960 BR	1487	38.4	4.2	1.14	31.8	83.1
FM 960 RR	1487	39.8	3.9	1.16	30.0	82.4
PHY 470 WR	1478	38.6	4.4	1.13	27.5	83.2
FM 960 B2R	1463	39.1	4.2	1.17	30.4	82.6
ST 4575 BR	1463	40.0	4.6	1.14	27.4	82.8
DPL 444 BR	1459	41.3	4.2	1.17	28.4	83.5
FMX 0222 B2LL	1355	36.9	4.3	1.18	30.6	82.6
LSD (0.05)	201	1.3	0.2	0.02	1.3	1.0
C.V. (%)	9	2.4	3.5	1.48	3.3	0.9
Trial Mean	1579	40.2	4.4	1.15	28.8	83.0

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 Dillon Co. at Minturn, SC, in 2005. Late-Maturity Dryland OVT. M. Jones.

Variety	Lint Yield (lb/acre)	Gin Turnout (%)	Micronaire	Length (in)	Strength (g/tex)	Uniformity (%)
DPLX 04Y170 BR	1785	42.9	4.7	1.17	29.0	82.4
DPL X03X179 RR	1774	44.0	4.9	1.22	30.6	84.6
DPLX 05X648 DR	1704	43.1	4.9	1.14	27.8	81.0
DPL 555 BR	1691	45.1	4.6	1.13	28.5	81.7
DPL 455 BR	1662	43.0	4.5	1.17	28.8	82.2
ST 6636 BR	1649	38.7	4.7	1.17	31.3	83.8
PSC 355	1626	40.1	4.9	1.15	28.9	84.0
DPL 454 BR	1623	43.3	4.1	1.15	28.9	83.4
DPL 543 BGII/RR	1618	41.0	4.7	1.16	28.9	82.4
ST 6848 RR	1604	38.2	4.7	1.17	31.6	83.9
FM 991 BR	1565	40.3	4.5	1.15	31.0	82.8
DPL 445 BR	1550	41.8	4.6	1.18	29.1	83.7
ST 5242 BR	1534	39.6	4.4	1.16	27.8	83.3
DPL 494 RR	1528	42.3	4.5	1.18	30.1	82.8
FM 989 B2R	1518	39.0	4.5	1.16	31.2	82.4
ST 5599 BR	1432	41.6	4.5	1.16	29.8	82.4
FM X9166 B2LL	1416	39.9	4.4	1.16	31.2	82.4
FM 989 RR	1406	40.7	4.3	1.16	31.2	83.3
ST 5303 RR	1382	39.7	4.5	1.14	31.2	83.7
DPL 488 BR	1379	40.8	4.7	1.20	29.3	83.6
FM 991 RR	1345	40.7	4.6	1.17	30.6	82.4
FM 991 B2R	1327	38.7	4.3	1.20	31.1	83.1
DPL 449 BR	1243	39.5	4.4	1.16	32.2	83.2
FM X1003 B2LL	1184	38.3	4.4	1.21	30.8	82.9
LSD (0.05)	249	1.2	0.3	0.03	1.7	0.9
C.V. (%)	12	2.1	4.4	1.66	3.9	0.8
Trial Mean	1523	40.9	4.6	1.17	30.0	83.0

Table 9. Lint Yield, Gin Turnout, and Fiber Quality of Early-Maturing Cotton Varieties Grown in Calhoun Co. at Cameron, SC, in 2005. Early-Maturity Dryland OVT. M. Jones.

Variety	Lint Yield (lb/acre)	Gin Turnout (%)	Micronaire	Length (in.)	Strength (g/tex)	Uniformity (%)
DPL 434 RR	1584	42.7	4.1	1.18	26.3	84.1
DPLX 04Y170BR	1548	38.1	4.4	1.14	28.6	83.4
DPL 432 RR	1443	36.2	4.0	1.13	28.3	84.1
PHY 370 WR	1424	39.2	4.5	1.11	28.8	84.3
DPL 455 BR	1385	40.1	4.1	1.14	29.2	82.8
DPL 454 BR	1384	39.8	4.1	1.10	28.4	84.2
DPL 424 BII/RR	1331	35.5	4.2	1.12	26.8	84.5
PHY 310 RR	1311	39.6	4.3	1.11	28.8	84.3
PHY 470 WR	1308	36.2	4.2	1.12	28.6	84.0
DPLX 03X179 RR	1293	40.0	4.6	1.17	31.1	84.3
DPL 445 BR	1265	38.9	4.4	1.15	28.2	84.2
PHY 440 W	1260	37.7	4.4	1.15	28.8	84.3
ST 5242 BR	1248	37.5	4.3	1.14	27.3	84.3
DPL 555 BR	1244	41.3	4.5	1.11	27.0	82.4
FM 960 B2R	1210	37.8	4.5	1.17	32.0	83.7
PHY 410 RR	1171	36.2	4.5	1.13	29.5	84.9
ST 4575 BR	1160	37.5	4.3	1.11	27.5	84.1
ST 4686 RR	1143	38.2	4.2	1.12	28.3	83.4
DPL 444 BR	1093	38.6	4.0	1.13	28.6	84.4
FMX 0222 B2LL	1070	35.4	4.2	1.18	30.9	83.9
FM 960 BR	1065	36.9	4.2	1.12	32.9	83.4
PSC 355	1057	36.6	4.4	1.13	28.4	82.5
FM 960 RR	1056	37.9	3.8	1.16	31.3	83.5
PHY 480 WR	1055	36.1	4.5	1.16	29.8	84.2
FM 966 LL	1023	35.5	4.0	1.14	32.7	83.7
LSD (0.05)	229	3.2	0.3	0.03	1.9	1.0
C.V. (%)	13	5.9	4.7	1.59	4.7	0.8
Trial Mean	1245	38	4.3	1.14	29.1	83.9

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

Table 10. Lint Yield, Gin Turnout, and Fiber Quality of Late-Maturing Cotton Varieties Grown in Calhoun Co. at Cameron, SC, in 2005. Late-Maturity Dryland OVT. M. Jones.

Variety	Lint Yield (lb/acre)	Gin Turnout (%)	Micronaire	Length (in.)	Strength (g/tex)	Uniformity (%)
DPLX 04Y170 BR	1283	39.0	4.7	1.12	29.9	83.5
DPL 454 BR	1281	39.0	3.8	1.11	28.8	83.3
DPL 455 BR	1255	38.6	3.9	1.13	29.0	82.5
DPL X03X179 RR	1235	39.3	4.6	1.17	31.3	84.4
DPL 449 BR	1181	36.4	4.3	1.12	30.3	83.8
DPL 445 BR	1178	37.4	4.1	1.12	28.4	83.8
ST 6636 BR	1159	35.1	4.2	1.15	30.1	83.6
DPL 494 RR	1143	37.6	4.3	1.17	31.1	83.9
DPL 555 BR	1116	40.2	4.2	1.11	27.5	82.0
DPLX 05X648 DR	1084	38.1	4.5	1.12	27.5	82.1
FM 991 BR	1081	36.4	4.2	1.13	32.4	83.3
DPL 488 BR	1080	37.4	4.2	1.15	29.3	83.0
ST 5599 BR	1078	35.9	4.0	1.12	30.6	82.6
FM X9166 B2LL	1027	36.4	4.1	1.12	31.4	82.9
ST 6848 RR	1018	34.7	4.5	1.15	32.8	84.2
DPL 543 BGII/RR	1008	35.7	4.4	1.14	28.7	82.5
FM 991 B2R	991	34.5	4.0	1.17	31.0	83.2
FM 991 RR	983	35.5	4.2	1.15	30.6	83.1
FM X1003 B2LL	921	33.1	3.8	1.17	30.8	83.4
FM 989 B2R	900	35.1	4.0	1.16	30.7	83.5
FM 989 RR	873	37.1	3.8	1.14	32.4	84.1
ST 5303 RR	848	35.3	4.3	1.11	32.1	85.4
LSD (0.05)	171	1.7	0.3	0.02	1.5	1
C.V. (%)	11	3.2	4.3	1.38	3.5	0.8
Trial Mean	1078	36.7	4.2	1.14	30.3	83.4

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

TABLE 11. COTTON TRIAL - EARLY MATURITY - COASTAL PLAIN:
EDISTO RESEARCH AND EDUCATION CENTER, BLACKVILLE, SC.
2005 DATA

COMPANY OR BRAND NAME	VARIETY OR STRAIN	LINT YIELD (LB/A)	LINT PERCENT (%)
D&PL	DP 444 BG/RR	1823	41.6
D&PL	DP 454 BG/RR	1775	42.2
D&PL	DPLX04Y170BR	1695	40.8
D&PL	DP 432 RR	1683	39.9
D&PL	DP 445 BG/RR	1642	40.8
D&PL	DP 455 BG/RR	1629	43.3
PHYTOGEN	PHY 310 R	1595	41.5
PHYTOGEN	PHY 480 WR	1595	38.5
D&PL	DPLX03X179R	1579	43.1
D&PL	DP 555 BG/RR	1570	44.0
Stoneville	ST4686R	1534	42.0
D&PL	DP 434 RR	1531	40.6
PHYTOGEN	PHY 410 R	1527	39.5
PHYTOGEN	PHY 370 WR	1525	41.5
PHYTOGEN	PHY 470 WR	1503	39.8
Stoneville	ST 5242BR	1502	39.5
PHYTOGEN	PHY 440 W	1486	38.7
FIBERMAX	FM 960BR	1462	38.6
FIBERMAX	FM 960RR	1454	38.5
Stoneville	ST 4575BR	1443	41.0
FIBERMAX	FM 966LL	1399	38.8
D&PL	DP 424 BGII/RR	1380	36.2
FIBERMAX	FM 960B2R	1351	37.5
BCSI	FMX0222B2LL	1334	37.0
AVERAGES		1542	40.1
L.S.D. (.10)		140	1.5
C.V. (%)		7.7	3.1
STD. ERROR OF ENTRY MEAN		59.3	DF=69
R-SQUARED		0.62	

TABLE 12. COTTON TRIAL - LATER MATURITY - COASTAL PLAIN:
EDISTO RESEARCH AND EDUCATION CENTER, BLACKVILLE, SC.
2005 DATA

COMPANY OR BRAND NAME	VARIETY OR STRAIN	LINT YIELD (LB/A)	LINT PERCENT (%)
Stoneville D&PL	ST 5599BR DP 454 BG/RR	1674 1673	42.6 40.0
D&PL D&PL	DPLX04Y170BR DP 445 BG/RR	1601 1574	39.9 39.7
D&PL D&PL	DP 455 BG/RR DPLX03X179R	1572 1556	41.4 42.8
D&PL FIBERMAX	DP 555 BG/RR FM 991BR	1527 1518	43.6 40.4
Stoneville D&PL	ST 6636BR DP 449 BG/RR	1490 1484	38.3 38.8
FIBERMAX D&PL	FM 991RR DP 494 RR	1454 1442	40.8 40.2
Stoneville D&PL	ST 5303R DPLX05X648DR	1441 1435	39.2 42.1
Stoneville BCSI	ST 6848R FMX9166B2LL	1361 1350	38.4 39.3
FIBERMAX D&PL	FM 989RR DP 488 BG/RR	1340 1286	39.1 39.6
D&PL BCSI	DP 543 BGII/RR FMX1003B2LL	1197 1195	38.5 37.0
FIBERMAX FIBERMAX	FM 989B2R FM 991B2R	1172 1144	36.9 37.0
AVERAGES		1431	39.8
L.S.D. (.10)		169	2.5
C.V. (%)		10.0	5.3
STD. ERROR OF ENTRY MEAN		71.7	DF=63
R-SQUARED		0.67	

TABLE 13. RR FLEX COTTON TRIAL - EARLY MATURITY - COASTAL PLAIN:
EDISTO RESEARCH AND EDUCATION CENTER, BLACKVILLE, SC.
2005 DATA

COMPANY OR BRAND NAME	VARIETY OR STRAIN	LINT YIELD (LB/A)	LINT PERCENT (%)
PHYTOGEN Stoneville	PHY 415 RF ST 4664RF	1720 1712	40.4 42.6
D&PL D&PL	DP 444 BG/RR * DP 108 RF	1686 1664	42.3 40.9
Stoneville D&PL	ST 5242BR * DP 113 B2RF	1640 1633	40.0 39.2
BCG PHYTOGEN	xBCG-4630 PHY 485 WRF	1630 1609	39.3 40.8
PHYTOGEN BCG	PHY 425 RF xBCG-9124	1592 1587	40.0 39.1
BCG FIBERMAX	xBCG-8391 FM 960BR *	1552 1543	36.4 39.2
D&PL BCG	DP 110 RF xBCG-4575	1528 1520	40.3 38.1
BCG Stoneville	xBCG-3255 ST 4554B2RF	1503 1503	37.7 40.9
D&PL BCG	DP 117 B2RF xBCG-1004	1493 1478	39.3 38.3
PHYTOGEN VIGORO	PHY 475 WRF CX611	1465 1413	41.2 37.6
BCG VIGORO	xBCG-4021 CX612	1410 1338	37.4 39.0
BCG VIGORO	xBCG-1505 CX601	1305 1286	36.0 37.6
AVERAGES		1534	39.3
L.S.D. (.10)		167	1.0
C.V. (%)		9.2	2.3
STD. ERROR OF ENTRY MEAN		70.9	DF=69
R-SQUARED		0.59	

* CHECK VARIETIES

TABLE 14. RR FLEX COTTON TRIAL - LATER MATURITY - COASTAL PLAIN:
EDISTO RESEARCH AND EDUCATION CENTER, BLACKVILLE, SC.
2005 DATA

COMPANY OR BRAND NAME	VARIETY OR STRAIN	LINT YIELD (LB/A)	LINT PERCENT (%)
VIGORO	CX631	1639	41.6
Stoneville	ST 6622RF	1563	39.5
Stoneville	ST 5599BR *	1500	37.5
FIBERMAX	FM 991BR *	1490	40.2
D&PL	DP 152 RF	1405	39.5
Stoneville	ST 6611B2RF	1400	38.8
D&PL	DP 167 RF	1391	37.9
Stoneville	ST 4357B2RF	1387	39.1
D&PL	DP 555 BG/RR *	1374	37.3
Stoneville	STX0414B2RF	1358	39.2
Stoneville	ST 500B2RF	1345	38.7
D&PL	DP 156 B2RF	1341	38.5
D&PL	DP 147 RF	1333	38.5
VIGORO	CX621	1312	37.4
D&PL	DP 143 B2RF	1276	37.3
D&PL	DP 164 B2RF	1265	37.6
Stoneville	STX5885B2RF	1229	40.1
AVERAGES		1389	38.7
L.S.D. (.10)		199	NS
C.V. (%)		12.1	5.0
STD. ERROR OF ENTRY MEAN		83.9	DF=48
R-SQUARED		0.46	

* CHECK VARIETIES

TABLE 15. IRRIGATED COTTON TRIAL - EARLY MATURITY - COASTAL PLAIN:
EDISTO RESEARCH AND EDUCATION CENTER, BLACKVILLE, SC.
2005 DATA

COMPANY OR BRAND NAME	VARIETY OR STRAIN	LINT YIELD (LB/A)	LINT PERCENT (%)
D&PL	DPLX04Y170BR	2045	41.4
D&PL	DP 555 BG/RR	2037	45.5
D&PL	DP 454 BG/RR	1940	42.3
D&PL	DPLX03X179R	1854	42.8
D&PL	DP 432 RR	1800	41.6
PHYTOGEN	PHY 440 W	1789	40.9
Stoneville	ST 5242BR	1787	39.2
PHYTOGEN	PHY 480 WR	1756	39.5
D&PL	DP 445 BG/RR	1737	40.8
D&PL	DP 444 BG/RR	1706	41.8
D&PL	DP 455 BG/RR	1698	43.5
Stoneville	ST 4575BR	1670	41.8
FIBERMAX	FM 960BR	1662	39.2
PHYTOGEN	PHY 370 WR	1653	41.3
FIBERMAX	FM 966LL	1624	38.9
PHYTOGEN	PHY 410 R	1606	39.0
BCSI	FMX0222B2LL	1573	38.2
FIBERMAX	FM 960RR	1554	40.0
FIBERMAX	FM 960B2R	1539	38.8
D&PL	DP 434 RR	1533	40.7
D&PL	DP 424 BGII/RR	1505	36.9
PHYTOGEN	PHY 470 WR	1495	39.8
PHYTOGEN	PHY 310 R	1457	41.8
Stoneville	ST4686R	1428	41.6
AVERAGES		1685	40.7
L.S.D. (.10)		230	1.4
C.V. (%)		11.6	3.0
STD. ERROR OF ENTRY MEAN		97.5	DF=69
R-SQUARED		0.53	

TABLE 16. IRRIGATED COTTON TRIAL - LATER MATURITY - COASTAL PLAIN:
EDISTO RESEARCH AND EDUCATION CENTER, BLACKVILLE, SC.
2005 DATA

COMPANY OR BRAND NAME	VARIETY OR STRAIN	LINT YIELD (LB/A)	LINT PERCENT (%)
D&PL	DPLX05X648DR	1481	43.1
D&PL	DPLX03X179R	1476	43.5
D&PL	DPLX04Y170BR	1445	44.9
D&PL	DP 555 BG/RR	1397	43.6
D&PL	DP 455 BG/RR	1371	46.0
D&PL	DP 454 BG/RR	1368	44.3
Stoneville	ST 6636BR	1362	40.2
D&PL	DP 494 RR	1332	43.7
D&PL	DP 543 BGII/RR	1330	41.2
FIBERMAX	FM 989RR	1269	41.5
D&PL	DP 445 BG/RR	1247	44.5
D&PL	DP 449 BG/RR	1227	35.9
D&PL	DP 488 BG/RR	1223	42.8
FIBERMAX	FM 991BR	1206	41.5
Stoneville	ST 5599BR	1174	40.3
Stoneville	ST 5303R	1170	37.6
Stoneville	ST 6848R	1168	40.5
FIBERMAX	FM 991RR	1143	43.9
BCSI	FMX9166B2LL	1108	39.8
FIBERMAX	FM 991B2R	972	40.1
BCSI	FMX1003B2LL	943	38.5
FIBERMAX	FM 989B2R	928	38.7
AVERAGES		1243	41.6
L.S.D. (.10)		283	4.6
C.V. (%)		19.3	9.4
STD. ERROR OF ENTRY MEAN		120.0	DF=63
R-SQUARED		0.38	

TABLE 17. IRRIGATED RR FLEX COTTON TRIAL - EARLY MATURITY - COASTAL PLAIN: EDISTO RESEARCH AND EDUCATION CENTER, BLACKVILLE, SC. 2005 DATA

COMPANY OR BRAND NAME	VARIETY OR STRAIN	LINT YIELD (LB/A)	LINT PERCENT (%)
PHYTOGEN D&PL	PHY 485 WRF DP 444 BG/RR *	2108 2027	41.9 41.8
D&PL D&PL	DP 117 B2RF DP 108 RF	1900 1891	39.9 41.1
Stoneville PHYTOGEN	ST 4554B2RF PHY 425 RF	1884 1856	41.8 40.6
PHYTOGEN D&PL	PHY 415 RF DP 110 RF	1846 1825	38.6 40.3
BCG FIBERMAX	xBCG-9124 FM 960BR *	1805 1788	36.8 39.9
PHYTOGEN BCG	PHY 475 WRF xBCG-4630	1784 1766	40.4 39.3
Stoneville BCG	ST 4664RF xBCG-8391	1745 1743	41.9 37.7
D&PL BCG	DP 113 B2RF xBCG-1004	1716 1666	39.1 39.9
Stoneville BCG	ST 5242BR * xBCG-3255	1647 1628	40.2 38.2
BCG VIGORO	xBCG-4575 CX612	1608 1584	37.8 39.6
VIGORO BCG	CX611 xBCG-4021	1539 1527	37.8 37.4
VIGORO BCG	CX601 xBCG-1505	1453 1324	38.3 36.7
AVERAGES		1736	39.4
L.S.D. (.10)		163	1.6
C.V. (%)		8.0	3.3
STD. ERROR OF ENTRY MEAN		69.2	DF=69
R-SQUARED		0.70	

* CHECK VARIETIES

TABLE 18. IRRIGATED RR FLEX COTTON TRIAL - LATER MATURITY - COASTAL PLAIN: EDISTO RESEARCH AND EDUCATION CENTER, BLACKVILLE, SC. 2005 DATA

COMPANY OR BRAND NAME	VARIETY OR STRAIN	LINT YIELD (LB/A)	LINT PERCENT (%)
D&PL Stoneville	DP 555 BG/RR * ST 5599BR *	2085 1835	44.7 43.1
D&PL D&PL	DP 156 B2RF DP 152 RF	1808 1744	39.5 39.1
D&PL Stoneville	DP 167 RF STX0414B2RF	1736 1660	39.7 38.6
Stoneville Stoneville	ST 6622RF ST 6611B2RF	1657 1656	39.4 38.0
D&PL D&PL	DP 143 B2RF DP 164 B2RF	1654 1654	38.7 40.3
FIBERMAX Stoneville	FM 991BR * ST 4357B2RF	1576 1570	39.8 40.0
VIGORO Stoneville	CX621 ST 500B2RF	1553 1525	39.4 36.6
D&PL Stoneville	DP 147 RF STX5885B2RF	1521 1453	40.6 36.6
VIGORO	CX631	1376	36.5
AVERAGES		1650	39.4
L.S.D. (.10)		194	2.1
C.V. (%)		9.9	4.6
STD. ERROR OF ENTRY MEAN		82.0 DF=48	
R-SQUARED		0.61	

* CHECK VARIETIES