

<i>Variety or Brand Variety</i>	<i>Lint Yield (Lb/Acre)</i>	<i>Lint (%)</i>	<i>Plant Height (Inches)</i>	<i>Percent Bolls Opened</i>	<i>UHM S.L. (In.)</i>	<i>Uniformity Index</i>	<i>Tl (G/Tex)</i>	<i>Mike</i>	<i>Elongation</i>
DP1321B2RF	1364**	45.1	37	50	1.16	83.7	29.7	4.7	6.2
AmericotNG1511B2RF	1351*	46.0	36	50	1.16	83.5	29.9	4.7	6.1
DP0912B2RF	1346*	44.2	34	52	1.14	83.6	29.5	4.7	5.7
PHY499WRF	1343*	46.1	37	53	1.16	84.2	30.3	4.7	6.2
ST4946GLB2	1329*	44.3	33	52	1.14	83.5	29.5	4.8	5.8
Dyna-Gro2285B2RF	1294*	44.6	34	53	1.17	83.7	29.0	4.5	5.9
PHY375WRF	1282	44.7	37	57	1.14	83.3	29.0	4.5	5.5
DP1028B2RF	1261	45.9	36	51	1.15	83.8	28.4	4.7	6.2
CroplanCG3787B2RF	1241	45.6	38	48	1.17	84.0	28.8	4.7	6.1
DP1137B2RF	1220	44.8	40	49	1.15	84.0	28.9	4.7	5.9
ST6448GLB2	1188	43.2	36	51	1.19	83.1	29.7	4.5	4.8
DP1048B2RF	1183	45.1	38	51	1.16	83.9	28.6	4.5	6.1
DP1311B2RF	1182	45.5	36	51	1.16	83.1	28.7	4.5	6.1
DP1034B2RF	1179	45.3	38	45	1.17	84.2	28.9	4.5	6.3
DP1050B2RF	1159	45.9	39	49	1.17	84.0	28.8	4.6	6.0
DP1252B2RF	1149	46.0	40	40	1.15	83.9	28.9	4.7	6.2
MEAN	1255	45.1	37	50	1.16	83.7	29.2	4.6	6.0
C.V.(%)	8								
BLSD(K=50)	66								
S.E	29								

**Highest yielder. *Not significantly different from highest yielder.

13 locations0

+Experimental

Table 5-2. Two-Year Statewide (North Carolina) Average Performance of OVT Cotton Varieties—2013–2014

<i>VARIETY OR BRAND VARIETY</i>	<i>LINT YIELD LB/ACRE</i>	<i>LINT %</i>	<i>PLANT HEIGHT INCHES</i>	<i>PERCENT BOLLS OPENED</i>	<i>UHM S.L. (IN.)</i>	<i>UNIFORMITY INDEX</i>	<i>TI (G/TEX)</i>	<i>MIKE</i>	<i>ELONGATION</i>
PHY333WRF	1415**	46.3	37	57	1.17	83.8	29.3	4.3	5.3
DP1321B2RF	1382*	45.5	38	50	1.15	83.7	29.4	4.7	6.1
AmericotNG1511B2RF	1358*	46.5	36	49	1.15	83.5	29.6	4.7	6.1
DP0912B2RF	1355*	44.7	34	52	1.14	83.6	29.3	4.7	5.5
PHY339WRF	1351*	44.4	40	54	1.16	83.6	29.1	4.4	5.4
PHY499WRF	1335*	46.7	37	51	1.14	83.9	30.0	4.7	6.0
ST4946GLB2	1331	44.6	34	51	1.13	83.4	29.1	4.7	5.8
ST4747GLB2	1323	45.1	34	60	1.18	83.0	29.4	4.4	4.4
PHY 487 WRF	1322	45.1	37	52	1.13	83.2	29.1	4.6	6.0
PHY375WRF	1322	45.3	37	56	1.14	83.4	28.7	4.6	5.5
BayerFM1944GLB2	1314	43.4	36	47	1.19	83.8	30.5	4.5	5.0
Dyna-Gro2285B2RF	1312	45.1	35	54	1.16	83.6	28.7	4.4	5.8
PHY417WRF	1293	45.4	36	58	1.15	83.3	29.0	4.2	6.1
PHY427WRF	1261	43.9	36	64	1.14	83.6	29.2	4.2	6.0
DP1028B2RF	1238	46.2	37	48	1.15	83.7	28.3	4.6	6.1
DP1555B2RF	1231	46.5	38	38	1.17	83.3	30.0	4.5	5.4
CroplanCG3787B2RF	1229	45.9	38	48	1.16	83.9	28.6	4.7	6.0
DP1137B2RF	1185	45.2	40	48	1.15	83.8	28.8	4.7	5.8
ST6448GLB2	1179	43.6	36	48	1.18	82.8	29.4	4.4	4.8
DP1311B2RF	1177	46.1	36	50	1.15	83.0	28.5	4.5	6.0
DP1034B2RF	1165	45.6	39	39	1.16	84.2	28.8	4.6	6.3
DP1048B2RF	1160	45.3	39	48	1.16	83.7	28.5	4.5	5.9
DP1050B2RF	1124	46.2	39	47	1.16	83.9	28.5	4.6	6.0
AmericotNG5315B2RF	1090	45.5	40	38	1.16	84.0	28.4	4.6	6.1
MEAN	1264	45.3	37	50	1.16	83.6	29.1	4.5	5.7
C.V.(%)	9								
BLSD(K=50)	81								

**Highest yielder. *Not significantly different from highest yielder.

10 locations

+Experimental

Table 5.3. Average Performance of Cotton Varieties Across Locations—2014

<i>Variety or Brand Variety</i>	<i>Lint Yield (Lb/Acre)</i>	<i>Lint %</i>	<i>Plant Height (Inches)</i>	<i>Percent Bolls Opened</i>	<i>UHM S.L. (In.)</i>	<i>Uniformity Index</i>	<i>TI (G/Tex)</i>	<i>Mike</i>	<i>Elongation</i>
PHY 333WRF	1548**	47.2	38	58	1.16	84.1	29.0	4.4	4.9
PHY 495 W3RF	1514*	46.8	39	50	1.12	84.4	30.1	4.7	5.9
PHY 499WRF	1495*	47.4	38	51	1.14	84.2	29.9	4.8	6.1
ST 4946GLB2	1490*	45.8	35	55	1.12	83.5	29.1	4.7	5.6
Americot NG1511B2RF	1485*	47.1	38	50	1.14	83.5	29.4	4.9	6.4
DP 0912B2RF	1484*	45.8	35	50	1.12	83.9	28.9	5.0	5.5
PHY 444 WRF	1484*	47.0	37	44	1.23	84.5	31.2	4.0	4.8
PHY 312 WRF	1483*	46.5	37	56	1.17	84.1	29.4	4.4	5.3
PHY 487 WRF	1481*	45.6	40	52	1.11	82.9	28.8	4.7	6.0
FM1944GLB2	1468*	44.8	35	51	1.20	83.6	30.8	4.5	4.5
Dyna-Gro 2285B2RF	1464*	46.4	35	55	1.15	83.7	28.2	4.5	5.6
PHY 375WRF	1451*	45.9	38	60	1.13	83.3	28.1	4.5	5.1
DP 1321B2RF	1439	46.3	38	49	1.15	84.1	28.9	4.8	6.3
PHY 552 WRF	1436	46.4	40	45	1.18	84.4	30.8	4.2	5.0
ST 5032 GLT	1423	45.3	35	55	1.19	83.0	30.2	4.1	5.2
DP 1133B2RF	1419	46.9	41	47	1.16	84.5	29.1	4.7	5.8
PHY 339WRF	1404	45.6	39	58	1.18	83.8	29.1	4.3	5.4
DP 1028B2RF	1396	47.3	40	52	1.13	83.6	27.2	4.8	6.3
PHY 427WRF	1393	45.1	36	69	1.13	83.6	29.5	4.1	5.7
ST 5289 GLT	1385	45.8	37	56	1.14	82.4	28.6	4.4	4.6
PHY 417WRF	1384	46.4	35	62	1.12	83.2	28.5	4.0	5.9
Croplan CG3787B2RF	1382	46.9	39	51	1.15	84.1	28.3	4.7	6.2
ST 4747GLB2	1365	46.1	34	62	1.18	82.4	29.0	4.5	3.7

Table 5.3. Average Performance of Cotton Varieties Across Locations—2014 (continued)

<i>Variety/Hybrid or Brand Variety/Hybrid</i>	<i>Lint Yield (Lb/Acre)</i>	<i>Lint %</i>	<i>Plant Height (Inches)</i>	<i>Percent Bolls Opened</i>	<i>UHM S.L. (In.)</i>	<i>Uniformity Index</i>	<i>TI (G/Tex)</i>	<i>Mike</i>	<i>Elongation</i>
DG CT 14515	1353	47.1	39	39	1.15	83.2	30.6	4.5	5.6
DP 1137B2RF	1346	46.0	43	47	1.14	84.0	27.9	4.8	5.8
DP 1454 NR B2RF	1342	45.9	41	37	1.11	82.4	28.1	4.7	5.3
DP 1555 B2RF	1332	47.2	40	37	1.17	83.4	30.4	4.6	5.1
ST 6182GLT	1310	48.5	43	49	1.16	84.6	28.2	4.5	5.2
DP 1034B2RF	1309	46.5	43	41	1.15	84.4	27.8	4.7	6.3
DP 1311B2RF	1303	47.1	38	50	1.14	82.7	28.1	4.5	6.3
DP 1048B2RF	1292	46.2	41	49	1.16	83.7	27.8	4.7	5.8
ST 6448GLB2	1278	44.7	38	52	1.19	82.9	29.7	4.3	4.1
PHY 575 WRF	1275	44.4	43	49	1.20	83.7	29.8	4.2	5.9
DG 2355 B2RF	1251	44.1	35	61	1.14	83.7	29.7	4.5	5.8
DP 1050B2RF	1250	47.2	42	46	1.16	84.2	28.0	4.7	5.9
DP 1252B2RF	1250	47.0	42	40	1.14	84.2	28.2	4.9	6.5
Americot NG5315B2RF	1219	46.4	42	39	1.15	84.1	27.4	4.7	6.3
MEAN	1390	46.3	39	51	1.15	83.6	29.2	4.5	5.4
C.V.(%)	8								
BLSD(K=50)	108								
S.E	44								

**Highest yielder. *Not significantly different from highest yielder.

6 locations

+Experimental

Table 5-4. Average Performance of Cotton Varieties at Bertie County—2014

<i>Variety/Hybrid or Brand Variety/Hybrid</i>	<i>Lint Yield (Lb/Acre)</i>	<i>Lint (%)</i>	<i>Plant Height (Inches)</i>	<i>Percent Bolls Opened</i>	<i>UHM S.L. (In.)</i>	<i>Uniformity Index</i>	<i>Tl (G/Tex)</i>	<i>Mike</i>	<i>Elongation</i>
PHY 333WRF	1698**	45.4	46	39	1.17	85.0	29.4	4.5	5.2
PHY 312 WRF	1692*	44.9	43	32	1.17	84.3	29.2	4.4	5.3
Americot NG1511B2RF	1634*	45.3	41	49	1.15	84.5	29.7	5.1	6.1
Dyna-Gro 2285B2RF	1629*	44.1	39	36	1.17	84.5	28.4	4.8	5.8
ST 4946GLB2	1580	43.2	43	32	1.13	84.1	28.3	5.1	5.7
PHY 495 W3RF	1550	44.6	51	25	1.16	85.4	30.6	4.8	6.2
DP 0912B2RF	1548	44.3	38	35	1.12	84.2	28.3	5.2	6.0
PHY 444 WRF	1524	44.9	44	30	1.26	85.0	31.5	4.0	4.5
Bayer FM1944GLB2	1497	41.5	38	29	1.21	84.3	31.8	4.9	4.7
PHY 499WRF	1490	45.8	46	28	1.17	85.5	29.1	5.0	6.1
PHY 339WRF	1487	43.6	50	40	1.19	84.3	28.6	4.4	5.5
DP 1321B2RF	1460	41.7	44	34	1.16	83.8	28.8	4.7	6.4
PHY 427WRF	1455	42.1	40	56	1.15	84.6	29.4	4.4	5.9
PHY 375WRF	1448	44.2	47	44	1.15	84.4	28.3	4.7	5.4
ST 5032 GLT	1434	42.9	40	35	1.22	84.4	30.4	4.4	4.9
ST 5289 GLT	1421	43.8	39	41	1.17	83.0	28.6	4.4	4.9
PHY 552 WRF	1411	44.6	49	34	1.17	84.3	29.5	4.2	5.5
PHY 487 WRF	1400	42.9	50	30	1.14	84.2	29.1	4.8	7.1
PHY 417WRF	1390	45.0	40	46	1.15	83.4	29.1	3.9	6.5
DP 1028B2RF	1355	44.8	49	43	1.15	84.1	27.2	5.0	6.6
DP 1133B2RF	1352	44.4	45	45	1.15	84.5	27.3	4.9	6.1
Croplan CG3787B2RF	1342	44.3	49	40	1.17	85.0	27.8	4.8	6.4
ST 4747GLB2	1324	43.3	37	36	1.19	83.2	30.4	4.8	3.6
DP 1048B2RF	1252	44.1	49	39	1.15	83.2	27.3	4.8	5.7

Table 5-4. Average Performance of Cotton Varieties at Bertie County—2014 (continued)

<i>Variety/Hybrid or Brand Variety/Hybrid</i>	<i>Lint Yield (Lb/Acre)</i>	<i>Lint %</i>	<i>Plant Height (Inches)</i>	<i>Percent Bolls Opened</i>	<i>UHM S.L. (In.)</i>	<i>Uniformity Index</i>	<i>Tl (G/Tex)</i>	<i>Mike</i>	<i>Elongation</i>
ST 6182GLT	1239	47.3	52	34	1.16	84.7	28.0	4.6	5.1
DG CT 14515	1238	45.8	47	17	1.16	83.4	30.0	5.0	5.4
DP 1034B2RF	1205	43.8	54	24	1.17	85.0	27.4	4.9	6.4
ST 6448GLB2	1196	40.9	47	31	1.19	83.1	29.1	4.6	4.4
PHY 575 WRF	1185	41.1	51	11	1.24	84.1	29.2	4.2	6.3
DP 1252B2RF	1184	44.9	53	26	1.15	84.4	27.2	5.1	6.6
DP 1555 B2RF	1174	44.9	46	21	1.17	83.4	30.3	4.5	5.2
DP 1311B2RF	1157	45.2	43	41	1.13	82.1	27.6	4.6	6.1
DP 1137B2RF	1157	42.3	50	38	1.13	84.5	27.2	5.0	6.0
DP 1050B2RF	1147	44.6	47	42	1.18	85.1	27.1	4.9	6.1
DP 1454 NR B2RF	1134	42.0	45	20	1.12	82.9	28.1	5.1	5.6
DG 2355 B2RF	1129	40.6	37	52	1.13	83.2	28.7	4.5	6.2
Americot NG5315B2RF	1108	44.1	51	33	1.16	84.3	27.7	4.9	6.3
MEAN	1366	43.9	46	35	1.17	84.1	29.0	4.6	5.6
C.V.(%)	8								
LSD_10	93								

**Highest yielder. *Not significantly different from highest yielder.

+Experimental

Table 5-5. Average Performance of Cotton Varieties at Edgecombe County—2014

<i>Variety/Hybrid or Brand Variety/Hybrid</i>	<i>Lint Yield (Lb/Acre)</i>	<i>Lint %</i>	<i>Plant Height (Inches)</i>	<i>Percent Bolls Opened</i>	<i>UHM S.L. (In.)</i>	<i>Uniformity Index</i>	<i>TI (G/Tex)</i>	<i>Mike</i>	<i>Elongation</i>
PHY 495 W3RF	1583*	47.2	44	61	1.14	84.8	30.0	4.6	5.9
PHY 487 WRF	1572*	46.0	44	51	1.10	82.5	27.2	4.5	5.7
PHY 499WRF	1552*	46.5	42	55	1.13	83.8	29.0	4.7	6.2
PHY 375WRF	1541*	45.3	43	57	1.12	82.9	27.7	4.5	5.0
PHY 333WRF	1508*	46.4	41	59	1.17	83.6	29.6	4.7	4.7
DG CT 14515	1478*	46.0	42	43	1.17	83.4	32.0	4.6	5.2
ST 4946GLB2	1475*	44.8	40	56	1.12	83.3	27.3	4.9	5.4
ST 5032 GLT	1466*	44.9	38	41	1.20	82.9	30.4	4.3	5.1
DP 1321B2RF	1463*	45.0	43	53	1.16	83.3	28.7	4.9	6.0
PHY 444 WRF	1450*	46.8	39	51	1.25	83.9	31.3	4.0	4.7
PHY 552 WRF	1448*	44.5	42	33	1.21	84.8	32.2	4.2	4.8
PHY 312 WRF	1426*	45.9	39	61	1.17	84.3	29.6	4.6	5.0
ST 5289 GLT	1426*	43.9	39	56	1.13	82.0	27.7	4.5	4.3
DP 1137B2RF	1399	44.1	44	46	1.15	84.7	28.5	4.9	5.6
Croplan CG3787B2RF	1386	46.7	44	48	1.15	84.1	28.8	4.6	5.7
ST 5115 GLT	1376	45.8	42	43	1.15	82.8	29.0	4.7	5.4
Dyna-Gro 2285B2RF	1362	43.8	40	28	1.17	83.0	28.8	4.6	5.5
DP 1555 B2RF	1346	46.0	42	34	1.19	83.3	30.6	4.7	4.7
DP 1311B2RF	1341	44.9	40	42	1.15	82.3	27.8	4.6	6.1
DP 0912B2RF	1341	44.1	39	38	1.13	83.6	29.6	4.9	5.1
PHY 427WRF	1341	43.3	40	70	1.14	84.2	30.3	3.9	5.5
PHY 417WRF	1338	44.8	39	55	1.14	83.9	28.2	4.0	5.7
PHY 339WRF	1335	43.6	44	52	1.18	83.7	28.1	4.3	5.6
ST 6448GLB2	1321	44.0	41	35	1.21	83.3	30.9	4.6	3.9

Table 5-5. Average Performance of Cotton Varieties at Edgecombe County—2014 (continued)

<i>Variety/Hybrid or Brand Variety/Hybrid</i>	<i>Lint Yield (Lb/Acre)</i>	<i>Lint %</i>	<i>Plant Height (Inches)</i>	<i>Percent Bolls Opened</i>	<i>UHM S.L. (In.)</i>	<i>Uniformity Index</i>	<i>Tl (G/Tex)</i>	<i>Mike</i>	<i>Elongation</i>
DP 1133B2RF	1312	45.3	45	35	1.16	83.9	29.8	4.9	5.4
ST 4747GLB2	1283	44.6	39	64	1.18	81.3	28.4	4.5	3.6
DG 2355 B2RF	1279	41.9	36	61	1.17	83.4	31.5	4.5	5.4
DP 1454 NR B2RF	1271	42.9	41	35	1.14	82.9	29.1	4.9	5.1
Bayer FM1944GLB2	1270	41.7	37	49	1.21	83.0	31.1	4.5	4.0
Americot NG1511B2RF	1266	45.1	40	39	1.17	83.4	30.3	5.0	6.0
ST 6182GLT	1243	48.4	45	55	1.16	84.7	27.8	4.4	5.1
DP 1028B2RF	1228	46.7	45	47	1.15	83.6	27.2	4.9	5.9
Americot NG5315B2RF	1211	44.8	42	41	1.17	83.7	28.8	4.8	6.5
DP 1050B2RF	1193	46.4	42	48	1.17	83.8	28.5	4.9	5.5
DP 1048B2RF	1190	44.7	42	59	1.18	83.8	28.5	4.6	5.4
PHY 575 WRF	1155	42.3	46	51	1.25	83.6	30.2	4.0	5.7
DP 1034B2RF	1151	44.4	45	24	1.15	84.3	28.9	4.8	6.0
DP 1252B2RF	1014	47.0	43	41	1.15	84.5	28.5	5.1	6.4
MEAN	1358	45.1	42	48	1.17	83.5	29.4	4.5	5.2
C.V.(%)	13.5								
LSD_10	175								

**Highest yielder. *Not significantly different from highest yielder.

+Experimental

Table 5.6. Average Performance of Cotton Varieties at Johnston County—2014

<i>Variety/Hybrid or Brand Variety/Hybrid</i>	<i>Lint Yield (Lb/Acre)</i>	<i>Lint %</i>	<i>Plant Height (Inches)</i>	<i>Percent Bolls Opened</i>	<i>UHM S.L. (In.)</i>	<i>Uniformity Index</i>	<i>T1 (G/Tex)</i>	<i>Mike</i>	<i>Elongation</i>
FM1944GLB2	2089**	57.7	42	33	1.19	84.1	30.0	4.4	4.5
ST 4946GLB2	2038*	55.9	33	61	1.10	83.2	30.1	4.5	6.1
DP 0912B2RF	2020*	55.6	34	41	1.11	83.4	28.0	4.9	5.6
DP 1133B2RF	1935	55.6	47	38	1.17	85.0	28.6	4.5	6.2
PHY 333WRF	1893	53.3	37	58	1.16	83.8	28.2	4.5	5.3
ST 5032 GLT	1892	56.4	33	61	1.18	83.2	28.2	4.2	5.8
Americot NG1511B2RF	1882	54.0	38	38	1.12	83.4	28.5	4.8	6.7
PHY 444 WRF	1854	54.0	32	53	1.23	84.7	30.9	4.0	5.4
DG 2355 B2RF	1817	57.1	34	64	1.13	83.7	28.5	4.2	6.0
PHY 339WRF	1804	56.7	33	75	1.17	82.9	29.4	4.0	5.3
PHY 499WRF	1799	55.8	35	54	1.13	83.0	31.0	4.8	6.1
DP 1028B2RF	1797	53.3	38	52	1.12	82.2	26.8	4.6	6.9
Dyna-Gro 2285B2RF	1787	56.0	35	54	1.12	82.9	26.8	4.3	6.2
PHY 495 W3RF	1785	54.1	34	58	1.08	82.9	30.1	4.6	5.9
ST 4747GLB2	1784	55.8	28	57	1.17	81.6	28.1	4.3	3.8
Croplan CG3787B2RF	1783	53.7	35	60	1.13	83.6	27.5	4.7	7.0
DP 1321B2RF	1783	53.9	40	31	1.15	84.4	28.8	4.8	6.7
PHY 312 WRF	1758	52.9	40	55	1.14	83.3	28.0	4.6	5.4
ST 5289 GLT	1749	56.5	37	42	1.14	82.8	28.5	4.1	5.1
DP 1048B2RF	1742	54.8	42	41	1.13	82.8	26.9	4.6	6.2
PHY 375WRF	1737	53.3	37	57	1.10	83.2	27.8	4.5	5.4
DP 1454 NR B2RF	1721	57.3	42	24	1.10	82.0	26.8	4.7	5.4
DP 1137B2RF	1715	55.5	41	43	1.11	82.6	26.6	4.7	6.2
DP 1034B2RF	1686	54.8	40	48	1.15	84.0	27.5	4.4	6.7
PHY 427WRF	1676	57.1	33	78	1.10	82.7	28.6	3.7	6.1

Table 5.6. Average Performance of Cotton Varieties at Johnston County—2014 (continued)

<i>Variety/Hybrid or Brand Variety/Hybrid</i>	<i>Lint Yield (Lb/Acre)</i>	<i>Lint %</i>	<i>Plant Height (Inches)</i>	<i>Percent Bolls Opened</i>	<i>UHM S.L. (In.)</i>	<i>Uniformity Index</i>	<i>TI (G/Tex)</i>	<i>Mike</i>	<i>Elongation</i>
DG CT 14515	1652	53.8	33	39	1.13	81.1	29.5	4.3	5.8
PHY 487 WRF	1634	52.5	35	60	1.05	82.1	27.2	4.4	6.2
DP 1252B2RF	1632	52.3	32	67	1.12	83.1	28.0	4.6	6.6
PHY 552 WRF	1626	56.0	33	49	1.17	83.9	31.2	4.0	4.7
Americot NG5315B2RF	1615	54.6	44	31	1.15	84.4	26.7	4.7	7.1
DP 1050B2RF	1604	54.3	44	38	1.15	83.5	28.1	4.5	6.6
ST 6448GLB2	1581	55.7	34	68	1.17	81.7	28.6	4.0	4.4
DP 1311B2RF	1558	55.3	41	42	1.13	82.4	27.5	4.1	6.7
PHY 575 WRF	1530	56.6	42	50	1.19	83.9	28.2	4.1	6.1
PHY 417WRF	1520	55.8	36	70	1.11	83.2	27.7	3.8	5.5
DP 1555 B2RF	1519	52.2	36	38	1.13	83.0	29.3	4.6	5.8
ST 6182GLT	1500	50.8	41	43	1.15	84.6	28.1	4.5	5.4
MEAN	1729	54.8	37	51	1.13	83.1	28.5	4.3	5.7
C.V.(%)	10.3								
LSD_10	144								

**Highest yielder. *Not significantly different from highest yielder.

+Experimental

Table 5.7. Average Performance of Cotton Varieties at Montgomery County—2014

<i>Variety/Hybrid or Brand Variety/Hybrid</i>	<i>Lint Yield (Lb/Acre)</i>	<i>Lint %</i>	<i>Plant Height (Inches)</i>	<i>Percent Bolls Opened</i>	<i>UHM S.L. (In.)</i>	<i>Uniformity Index</i>	<i>T1 (G/Tex)</i>	<i>Mike</i>	<i>Elongation</i>
PHY 487 WRF	1691**	44.5	38	58	1.13	83.5	28.8	5.2	5.4
ST 6182GLT	1686*	48.6	41	68	1.16	85.0	28.4	4.6	5.1
PHY 333WRF	1611*	47.1	32	47	1.15	85.3	29.2	4.8	5.1
PHY 495 W3RF	1596*	44.7	34	50	1.12	84.8	30.8	4.7	5.8
FM1944GLB2	1591*	44.6	32	57	1.19	83.7	31.1	4.6	4.5
PHY 427WRF	1586*	43.4	33	78	1.13	84.3	29.3	4.9	5.8
PHY 499WRF	1559	44.4	37	66	1.14	84.7	31.6	4.7	5.9
ST 4946GLB2	1558	44.5	31	60	1.13	83.6	29.5	5.0	5.4
PHY 444 WRF	1552	46.2	35	43	1.23	84.3	31.4	4.0	4.7
PHY 375WRF	1542	44.6	35	65	1.13	83.8	28.5	4.7	5.2
PHY 417WRF	1530	44.2	29	69	1.12	83.7	28.4	4.4	6.4
ST 5032 GLT	1525	42.9	34	62	1.21	84.1	31.0	4.5	5.3
DP 0912B2RF	1524	44.5	34	70	1.10	84.7	28.7	5.3	5.2
Americot NG1511B2RF	1524	46.2	35	71	1.12	82.8	29.4	5.0	6.3
DP 1034B2RF	1510	45.4	42	52	1.14	84.2	27.9	4.6	6.3
ST 5289 GLT	1509	44.5	37	61	1.13	82.6	29.4	5.2	4.8
DP 1028B2RF	1504	46.4	36	56	1.11	84.0	27.2	5.1	6.1
ST 4747GLB2	1501	44.8	33	78	1.16	82.8	28.7	4.7	3.7
DP 1133B2RF	1497	45.2	41	54	1.15	84.4	30.3	4.8	5.7
PHY 552 WRF	1494	44.6	36	58	1.17	84.4	29.7	4.6	4.8
DP 1555 B2RF	1486	46.2	38	43	1.19	84.6	31.1	4.9	5.1
Croplan CG3787B2RF	1485	45.5	42	59	1.15	84.1	29.0	4.7	6.0
PHY 312 WRF	1483	44.7	34	62	1.17	85.2	30.8	4.5	5.3
Dyna-Gro 2285B2RF	1474	44.8	32	66	1.15	84.1	28.5	4.9	5.3

Table 5.7. Average Performance of Cotton Varieties at Montgomery County—2014 (continued)

<i>Variety/Hybrid or Brand Variety/Hybrid</i>	<i>Lint Yield (Lb/Acre)</i>	<i>Lint %</i>	<i>Plant Height (Inches)</i>	<i>Percent Bolls Opened</i>	<i>UHM S.L. (In.)</i>	<i>Uniformity Index</i>	<i>TI (G/Tex)</i>	<i>Mike</i>	<i>Elongation</i>
DP 1454 NR B2RF	1463	44.8	37	46	1.09	82.6	28.8	4.6	5.0
MON 12R224B2R2	1453	43.6	34	69	1.16	84.9	28.6	4.4	4.7
DP 1252B2RF	1442	46.4	41	50	1.13	85.0	29.2	4.8	6.2
DP 1321B2RF	1427	44.8	37	56	1.15	84.6	29.2	5.1	6.2
DP 1137B2RF	1416	44.4	41	57	1.16	83.8	28.4	4.8	5.7
DP 1311B2RF	1411	45.5	36	63	1.15	83.8	28.6	4.8	6.8
PHY 575 WRF	1407	42.8	44	73	1.16	83.0	31.0	4.4	5.7
PHY 339WRF	1388	43.0	38	66	1.16	84.1	29.6	4.4	5.4
DG CT 14515	1374	46.0	33	46	1.14	83.9	30.1	4.6	5.6
ST 6448GLB2	1371	42.6	34	60	1.19	82.9	30.2	4.2	4.0
Americot NG5315B2RF	1365	45.0	37	59	1.13	83.9	26.9	5.0	6.1
DP 1050B2RF	1351	45.9	37	64	1.16	84.8	29.3	4.6	5.7
DP 1048B2RF	1349	44.8	37	58	1.17	84.6	28.3	4.7	5.6
DG 2355 B2RF	1184	41.8	34	61	1.14	85.2	30.7	4.9	5.8
MEAN	1491	44.9	36	61	1.15	84.0	29.4	4.7	5.4
C.V.(%)	8								
LSD_10	118								

**Highest yielder. *Not significantly different from highest yielder.

+Experimental

Table 5.8. Average Performance of Cotton Varieties at Scotland County—2014

<i>Variety/Hybrid or Brand Variety/Hybrid</i>	<i>Lint Yield (Lb/Acre)</i>	<i>Lint %</i>	<i>Plant Height (Inches)</i>	<i>Percent Bolls Opened</i>	<i>UHM S.L. (In.)</i>	<i>Uniformity Index</i>	<i>TI (G/Tex)</i>	<i>Mike</i>	<i>Elongation</i>
Americot NG1511B2RF	1336*	47.5	36	63	1.13	83.3	28.4	5.1	7.1
DP 1028B2RF	1308*	47.8	35	66	1.12	83.5	25.9	4.9	6.3
DP 1133B2RF	1286*	47.4	35	66	1.16	84.9	28.3	4.7	6.0
DP 1321B2RF	1265*	49.0	33	59	1.15	84.3	29.0	5.0	6.4
PHY 417WRF	1264*	44.8	35	71	1.11	81.8	28.0	4.3	5.7
PHY 552 WRF	1238	44.6	42	48	1.17	84.2	31.7	4.2	5.0
Dyna-Gro 2285B2RF	1228	45.0	38	66	1.15	83.8	27.2	4.8	5.9
DP 1137B2RF	1223	45.7	41	60	1.15	84.5	27.6	4.8	6.1
DP 0912B2RF	1222	43.9	36	64	1.12	84.1	28.7	5.2	5.6
DP 1034B2RF	1215	46.5	40	57	1.15	83.4	27.2	4.8	6.0
DP 1555 B2RF	1215	49.3	39	53	1.17	82.6	29.8	4.6	5.0
PHY 333WRF	1209	47.0	34	71	1.16	84.2	28.1	4.8	4.8
PHY 312 WRF	1200	45.4	30	61	1.19	84.3	29.2	4.8	5.3
PHY 427WRF	1197	43.3	38	67	1.13	83.0	28.9	4.4	5.7
PHY 575 WRF	1190	41.9	39	62	1.18	83.5	29.8	4.3	5.8
PHY 487 WRF	1186	44.5	35	64	1.09	81.9	30.2	4.9	5.9
FM1944GLB2	1163	43.2	32	69	1.21	83.2	29.7	4.9	4.2
DP 1252B2RF	1158	47.7	41	36	1.15	83.7	28.1	4.9	6.4
ST 4747GLB2	1150	43.5	33	66	1.19	83.2	28.0	4.6	3.8
PHY 495 W3RF	1145	45.2	35	56	1.10	83.7	29.0	4.7	5.7
ST 4946GLB2	1137	44.7	32	63	1.12	83.0	28.2	4.8	5.4
DG CT 14515	1136	45.2	40	54	1.16	84.1	31.2	4.6	6.0
DP 1048B2RF	1135	44.7	40	55	1.15	83.3	27.5	4.6	5.8
DP 1050B2RF	1130	46.7	40	54	1.13	83.4	27.5	4.7	6.0

Americot NG5315B2RF	1122	46.6	39	54	1.14	82.9	26.6	4.7	6.0
---------------------	------	------	----	----	------	------	------	-----	-----

Table 5.8. Average Performance of Cotton Varieties at Scotland County—2014 (continued)

<i>Variety/Hybrid or Brand Variety/Hybrid</i>	<i>Lint Yield (Lb/Acre)</i>	<i>Lint %</i>	<i>Plant Height (Inches)</i>	<i>Percent Bolls Opened</i>	<i>UHM S.L. (In.)</i>	<i>Uniformity Index</i>	<i>TI (G/Tex)</i>	<i>Mike</i>	<i>Elongation</i>
Croplan CG3787B2RF	1116	46.3	34	65	1.14	83.1	28.3	4.9	6.3
DP 1454 NR B2RF	1111	46.3	43	43	1.10	81.5	28.0	4.9	5.6
ST 6182GLT	1093	48.9	40	40	1.15	84.0	27.6	4.6	5.2
PHY 499WRF	1084	46.0	35	60	1.13	83.4	28.9	4.8	6.2
DP 1311B2RF	1077	46.5	32	68	1.15	82.4	28.2	4.8	5.6
PHY 375WRF	1072	44.4	32	82	1.14	81.8	27.4	4.6	4.6
PHY 339WRF	1056	44.0	34	63	1.17	83.6	29.2	4.5	5.0
PHY 444 WRF	1048	45.5	34	47	1.23	84.6	31.5	4.1	4.7
ST 5032 GLT	1006	43.2	36	57	1.18	82.9	30.7	4.3	5.4
ST 5289 GLT	996.9	44.6	36	65	1.13	82.7	28.3	4.9	4.3
ST 6448GLB2	958	43.1	36	62	1.21	83.3	28.9	4.7	4.0
DG 2355 B2RF	957.2	42.5	37	63	1.14	83.2	29.4	4.8	5.9
MEAN	1141	45.3	36	59	1.15	83.3	28.8	4.6	5.4
C.V.(%)	11.5								
LSD_10	127								

**Highest yielder. *Not significantly different from highest yielder.

+Experimental

Table 5-9. Average Performance of Cotton Varieties at Washington County—2014

<i>Variety/Hybrid or Brand Variety/Hybrid</i>	<i>Lint Yield (Lb/Acre)</i>	<i>Lint %</i>	<i>Plant Height (Inches)</i>	<i>Percent Bolls Opened</i>	<i>UHM S.L. (In.)</i>	<i>Uniformity Index</i>	<i>Tl (G/Tex)</i>	<i>Mike</i>	<i>Elongation</i>
PHY 499WRF	1487**	46.1	35	43	1.15	84.9	30.0	4.8	6.1
PHY 444 WRF	1478*	44.9	36	38	1.22	84.4	31.0	3.8	4.8
PHY 495 W3RF	1427*	44.9	35	49	1.13	84.8	30.4	4.9	6.1
PHY 487 WRF	1404*	43.4	40	50	1.13	83.2	30.6	4.3	6.0
PHY 552 WRF	1397*	44.2	37	47	1.19	84.9	30.6	3.9	5.3
PHY 375WRF	1368*	43.8	33	55	1.15	83.6	29.0	4.3	5.0
PHY 333WRF	1367*	44.1	39	74	1.15	82.8	29.3	3.3	4.6
DP 1454 NR B2RF	1353	42.2	41	55	1.11	82.6	27.9	4.5	5.5
PHY 339WRF	1351	42.7	37	51	1.19	84.1	29.9	4.4	5.6
PHY 312 WRF	1341	45.2	38	63	1.15	83.6	29.9	3.8	5.5
Dyna-Gro 2285B2RF	1307	45.0	30	80	1.17	83.9	29.9	3.8	5.3
DP 1311B2RF	1276	45.1	36	47	1.15	83.1	29.2	4.5	6.6
Americot NG1511B2RF	1266	44.8	37	41	1.15	83.7	30.2	4.6	6.1
PHY 417WRF	1265	43.6	33	64	1.13	83.4	29.5	3.7	5.6
DP 0912B2RF	1251	42.7	31	52	1.12	83.7	29.9	4.8	5.4
DP 1555 B2RF	1250	44.7	37	32	1.16	83.7	31.6	4.2	4.9
DG CT 14515	1243	45.6	38	34	1.14	83.4	30.8	4.3	5.7
ST 6448GLB2	1241	41.7	34	53	1.19	83.1	30.4	4.1	4.1
DP 1321B2RF	1237	43.3	34	63	1.15	84.1	29.2	4.4	6.0
ST 5032 GLT	1213	41.7	32	74	1.17	80.7	30.4	3.2	5.2
ST 5289 GLT	1208	41.7	38	72	1.14	81.5	29.4	3.4	4.3
FM1944GLB2	1196	40.3	31	72	1.17	83.5	31.2	3.8	5.1
DP 1028B2RF	1186	45.0	35	46	1.13	84.3	29.1	4.5	6.1
PHY 575 WRF	1185	41.6	37	47	1.21	84.2	30.6	4.2	6.0

Table 5-9. Average Performance of Cotton Varieties at Washington County—2014 (continued)

<i>Variety/Hybrid or Brand Variety/Hybrid</i>	<i>Lint Yield (Lb/Acre)</i>	<i>Lint %</i>	<i>Plant Height (Inches)</i>	<i>Percent Bolls Opened</i>	<i>UHM S.L. (In.)</i>	<i>Uniformity Index</i>	<i>Tl (G/Tex)</i>	<i>Mike</i>	<i>Elongation</i>
Croplan CG3787B2RF	1181	44.8	35	37	1.15	85.0	28.7	4.9	6.0
DP 1137B2RF	1166	44.1	40	36	1.13	83.9	29.3	4.7	5.5
ST 4946GLB2	1152	41.6	33	60	1.15	83.9	31.2	4.2	5.7
ST 4747GLB2	1148	44.8	33	69	1.19	82.7	30.3	4.0	3.8
DG 2355 B2RF	1139	41.0	30	67	1.13	83.3	29.5	4.3	5.6
DP 1133B2RF	1134	43.8	36	41	1.17	84.5	30.1	4.3	5.6
PHY 427WRF	1104	41.7	33	65	1.13	83.3	30.6	3.4	5.5
ST 6182GLT	1098	47.2	42	53	1.15	84.7	29.1	4.4	5.4
DP 1034B2RF	1089	44.1	36	40	1.15	85.3	28.1	4.6	6.4
DP 1048B2RF	1083	44.2	39	45	1.16	84.6	28.3	4.7	6.5
DP 1050B2RF	1076	45.1	40	27	1.17	84.9	27.9	4.8	5.8
DP 1252B2RF	1070	43.4	42	19	1.16	84.9	28.2	5.0	6.7
Americot NG5315B2RF	891	43.6	41	17	1.15	85.3	27.6	4.5	6.0
MEAN	1254	43.8	36	50	1.15	83.8	29.9	4.2	5.4
C.V.(%)	13.7								
LSD_10	120								

**Highest yielder. *Not significantly different from highest yielder.
+Experimental

Table 5-10. Average Performance of Conventional Cotton Varieties at Bertie County—2014

<i>Variety/Hybrid or Brand Variety/Hybrid</i>	<i>Lint Yield (Lb/Acre)</i>	<i>Lint %</i>	<i>Plant Height (Inches)</i>	<i>Percent Bolls Opened</i>	<i>UHM S.L. (In.)</i>	<i>Uniformity Index</i>	<i>TI (G/Tex)</i>	<i>Mike</i>	<i>Elongation</i>
DP 1321B2RF	1720**	45.0	45	41	1.17	84.6	28.8	5.2	6.1
Seed Source Genetics UA222	1669*	45.1	44	27	1.23	84.8	30.5	4.4	6.2
PHY 339WRF	1655*	44.2	44	41	1.17	83.5	29.0	4.5	5.6
ST 4747GLB2	1614*	44.3	40	46	1.18	83.3	30.6	4.7	3.9
Seed Source HQ210CT	1460	42.1	38	40	1.15	83.6	30.6	4.9	5.1
MEAN	1624	44.2	42	39	1.18	83.9	29.9	4.7	5.4
C.V.(%)	12.7								
LSD_10	228								

**Highest yielder. *Not significantly different from highest yielder.

Table 5-11. Average Performance of Conventional Cotton Varieties at Edgecombe County—2014

<i>Variety/Hybrid or Brand Variety/Hybrid</i>	<i>Lint Yield (Lb/Acre)</i>	<i>Lint %</i>	<i>Plant Height (Inches)</i>	<i>Percent Bolls Opened</i>	<i>UHM S.L. (In.)</i>	<i>Uniformity Index</i>	<i>TI (G/Tex)</i>	<i>Mike</i>	<i>Elongation</i>
DP 1321B2RF	1723**	45.5	42	49	1.15	84.4	29.1	4.9	6.4
ST 4747GLB2	1644*	45.9	38	60	1.19	82.4	28.5	4.5	4.0
PHY 339WRF	1609*	44.6	45	42	1.17	84.0	27.7	4.5	5.6
Seed Source Genetics UA222	1131	38.3	38	44	1.22	85.1	29.1	4.7	6.0
Seed Source HQ210CT	974.4	42.8	36	48	1.12	83.5	29.4	5.1	5.1
MEAN	1416	43.4	40	49	1.17	83.9	28.7	4.7	5.4
C.V.(%)	9.4								
LSD_10	147								

**Highest yielder. *Not significantly different from highest yielder.

Table 5-12. Relative Ranking of Cotton Cultivars for Yield, Fiber Elongation and Micronaire—2014

<i>Variety or Brand Variety</i>	<i>Lint Yield (Lb/Acre)</i>	<i>Variety or Brand Variety</i>	<i>UMH S.L.> (In.)</i>	<i>Variety or Brand Variety</i>	<i>Mike</i>
PHY 333WRF	1548	PHY 444 WRF	1.23	PHY 444 WRF	4.0
PHY 495 W3RF	1514	Seed Source Genetics UA222	1.23	PHY 417WRF	4.0
DP 1321B2RF	1510	PHY 575 WRF	1.20	PHY 427WRF	4.1
PHY 499WRF	1495	Bayer FM1944GLB2	1.20	ST 5032 GLT	4.1
ST 4946GLB2	1490	ST 6448GLB2	1.19	PHY 552 WRF	4.2
Americot NG1511B2RF	1485	ST 5032 GLT	1.19	PHY 575 WRF	4.2
DP 0912B2RF	1484	ST 4747GLB2	1.18	ST 5115 GLT	4.3
PHY 444 WRF	1484	PHY 552 WRF	1.18	ST 6448GLB2	4.3
PHY 312 WRF	1483	PHY 339WRF	1.17	PHY 339WRF	4.4
PHY 487 WRF	1481	DP 1555 B2RF	1.17	ST 5289 GLT	4.4
Bayer FM1944GLB2	1468	PHY 312 WRF	1.17	PHY 333WRF	4.4
Dyna-Gro 2285B2RF	1464	DP 1050B2RF	1.16	PHY 312 WRF	4.4
PHY 339WRF	1461	PHY 333WRF	1.16	ST 4747GLB2	4.5
PHY 375WRF	1451	DP 1133B2RF	1.16	Bayer FM1944GLB2	4.5
PHY 552 WRF	1436	ST 6182GLT	1.16	Dyna-Gro 2285B2RF	4.5
ST 4747GLB2	1431	DP 1048B2RF	1.16	DG 2355 B2RF	4.5
ST 5032 GLT	1423	Dyna-Gro 2285B2RF	1.15	ST 6182GLT	4.5
DP 1133B2RF	1419	DP 1321B2RF	1.15	PHY 375WRF	4.5
Seed Source Genetics UA222	1400	ST 5115 GLT	1.15	DG CT 14515	4.5
DP 1028B2RF	1396	DP 1034B2RF	1.15	DP 1311B2RF	4.5
PHY 427WRF	1393	DG CT 14515	1.15	Seed Source Genetics UA222	4.6
ST 5289 GLT	1385	Croplan CG3787B2RF	1.15	DP 1555 B2RF	4.6
PHY 417WRF	1384	Americot NG5315B2RF	1.15	DP 1048B2RF	4.7

Table 5-12. Relative Ranking of Cotton Cultivars for Yield, Fiber Elongation and Micronaire—2014 (continued)

<i>Variety or Brand Variety</i>	<i>Lint Yield (Lb/Acre)</i>	<i>Variety or Brand Variety</i>	<i>UMH S.L.> (In.)</i>	<i>Variety or Brand Variety</i>	<i>Mike</i>
Croplan CG3787B2RF	1382	DP 1252B2RF	1.15	DP 1133B2RF	4.7
ST 5115 GLT	1381	DP 1311B2RF	1.14	PHY 487 WRF	4.7
DG CT 14515	1353	PHY 499WRF	1.14	DP 1034B2RF	4.7
DP 1137B2RF	1346	ST 5289 GLT	1.14	PHY 495 W3RF	4.7
DP 1454 NR B2RF	1342	Americot NG1511B2RF	1.14	DP 1050B2RF	4.7
DP 1555 B2RF	1332	DP 1137B2RF	1.14	ST 4946GLB2	4.7
ST 6182GLT	1310	DG 2355 B2RF	1.14	Croplan CG3787B2RF	4.7
DP 1034B2RF	1309	Seed Source HQ210CT	1.13	Americot NG5315B2RF	4.7
DP 1311B2RF	1303	PHY 427WRF	1.13	DP 1454 NR B2RF	4.7
DP 1048B2RF	1292	DP 1028B2RF	1.13	PHY 499WRF	4.8
ST 6448GLB2	1278	PHY 375WRF	1.13	DP 1137B2RF	4.8
PHY 575 WRF	1275	PHY 417WRF	1.12	DP 1028B2RF	4.8
DG 2355 B2RF	1251	ST 4946GLB2	1.12	DP 1321B2RF	4.9
DP 1050B2RF	1250	PHY 495 W3RF	1.12	Americot NG1511B2RF	4.9
DP 1252B2RF	1250	DP 0912B2RF	1.12	DP 1252B2RF	4.9
Americot NG5315B2RF	1219	DP 1454 NR B2RF	1.11	Seed Source HQ210CT	5.0
Seed Source HQ210CT	1217	PHY 487 WRF	1.11	DP 0912B2RF	5.0