

TABLE C.3 AVERAGE PERFORMANCE OF CONVENTIONAL COTTON VARIETIES AT BERTIE

VARIETY/HYBRID OR BRAND VARIETY/HYBRID	LINT YIELD LB/ACRE	sign	LINT %	PLANT HEIGHT INCHES	PERCENT BOLLS OPENED
PHY 312 WRF	1879	**	44.3	50	15
Seed Source HQ210CT	1547		41.1	50	26
ST 4848GLT	1513		44.2	52	20
DP 1538B2XF	1507		45.0	51	18
Seed Source Genetics UA222	1452		41.6	47	26
UA 48	1439		40.0	45	28
AT 558	1080		41.3	41	21
MEAN	1488		42.5	48	22
C.V.(%)	10		.	.	.
LSD_10	154		.	.	.
SEM	64		.	.	.
Error d.f.	24		.	.	.

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

TABLE C.4 AVERAGE PERFORMANCE OF CONVENTIONAL COTTON VARIETIES AT

VARIETY/HYBRID OR BRAND VARIETY/HYBRID	LINT YIELD LB/ACRE	sign	LINT %	PLANT HEIGHT INCHES	PERCENT BOLLS OPENED
PHY 312 WRF	1629	**	46.1	42	53
DP 1538B2XF	1534	*	46.7	46	25
ST 4848GLT	1450	*	47.1	43	49
UA 48	1147		40.1	41	38
Seed Source Genetics UA222	1045		43.8	42	33
Seed Source HQ210CT	987		41.3	40	39
AT 558	830		42.1	45	43
MEAN	1232		43.9	42	40
C.V.(%)	14		.	.	.
LSD_10	181		.	.	.
SEM	75		.	.	.
Error d.f.	24		.	.	.

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

TABLE R.1 AVERAGE PERFORMANCE OF TRANSGENIC COTTON VARIETIES AT JOHNSTON COUNTY - 2017

VARIETY/HYBRID OR BRAND VARIETY/HYBRID	LINT YIELD LB/ACRE	sign	LINT %	UHM S.L. (IN.)	UNIFORMITY INDEX	T1 (G/TEX)	MIKE	ELONGATION
DP 1646B2XF	1315	**	45.7	1.19	82.1	28.3	4.7	7.9
DP 1555 B2RF	1247	*	44.6	1.15	83.1	31.3	4.9	7.4
PX4A54W3FE	1230	*	45.0	1.10	83.2	30.6	5.0	8.1
PX3A82W3FE	1228	*	44.7	1.10	83.9	30.8	4.6	8.6
PHY 312 WRF	1216	*	44.4	1.13	83.2	31.0	4.8	7.8
CROPLAN 9608 B3XF	1190		48.7	1.13	83.0	29.1	4.6	6.8
ST 5517GLTP	1185		43.0	1.15	83.0	31.1	4.6	7.1
DG 3605 B2XF	1177		44.3	1.23	83.4	29.6	4.7	7.7
PX4A62W3FE	1170		44.9	1.16	83.6	34.0	4.9	7.4
ST 5020GLT	1170		43.0	1.14	82.6	29.5	4.8	7.6
PHY 300 W3FE	1169		46.6	1.11	83.1	30.5	4.9	7.3
DP 1614B2XF	1168		46.0	1.17	83.6	30.3	5.2	8.9
PX5B73W3FE	1165		44.6	1.11	82.7	30.2	4.7	7.7
PX4A57W3FE	1163		46.5	1.07	82.4	30.0	4.8	8.0
PHY 444 WRF	1159		44.7	1.25	84.9	32.1	4.3	7.2
PX3A99W3FE	1158		43.9	1.15	84.0	30.0	4.9	7.4
DP 1851B3XF	1154		45.9	1.17	83.9	30.6	4.7	8.9
PX3A96W3FE	1135		43.1	1.14	83.6	30.0	4.7	7.8
PX5B76W3FE	1134		41.7	1.13	83.4	30.8	4.7	7.3
PX4A52W3FE	1127		43.4	1.13	83.8	29.7	4.7	8.9
NG 5007 B2XF	1125		44.2	1.12	83.3	26.6	4.8	8.1
ST 6182 GLT	1123		47.8	1.11	83.0	27.8	4.7	7.3
DP 1639B2XF	1120		45.3	1.13	83.8	31.4	5.1	8.4
PHY 340 W3FE	1116		45.1	1.12	82.8	29.0	4.7	7.2
ST 5115 GLT	1113		43.5	1.14	82.3	30.1	4.7	7.6

PHY 330 W3FE	1108		45.9	1.15	84.0	30.6	4.9	7.5
MON 16R353 B3XF	1103		46.5	1.17	84.8	31.0	4.6	8.4
DP 1538B2XF	1100		45.5	1.11	83.3	26.1	4.8	8.6
NG 5711 B3XF	1099		44.3	1.15	83.2	29.1	4.8	7.9
CROPLAN 3885 B2XF	1098		45.3	1.13	84.5	27.3	4.8	8.8
CPS 1702 GLT	1094		43.3	1.14	82.1	30.0	4.9	7.5
PHY 450 W3FE	1079		41.7	1.12	84.5	31.8	5.0	8.8
NG 4601B2XF	1072		44.9	1.12	81.9	31.3	5.0	7.6
DP 1820B3XF	1069		46.7	1.21	83.0	33.9	4.7	6.2
NG 3522B2XF	1068		43.7	1.09	82.7	27.9	4.8	7.4
DP 1840B3XF	1063		44.7	1.20	83.4	30.4	4.5	8.0
PHY 490 W3FE	1058		42.6	1.13	83.8	32.8	4.5	9.0
DP 1522B2XF	1049		44.1	1.12	83.1	29.9	5.0	9.4
DP 1553B2XF	1030		44.0	1.15	83.1	28.0	4.5	8.7
ST 4848GLT	1028		42.7	1.15	83.7	31.2	5.0	7.7
AMX 1710B2XF	1028		43.7	1.11	83.5	32.7	5.2	6.6
DG 3526B2XF	1024		46.1	1.07	81.9	27.0	5.0	9.2
CROPLAN 3475 B2XF	1016		42.2	1.11	83.4	29.9	4.8	8.6
DP 1725B2XF	1012		45.8	1.12	82.7	30.2	4.8	6.6
NG 4545B2XF	999		43.9	1.12	82.5	32.8	5.1	6.5
ST 4949GLT	981		44.8	1.09	83.0	27.8	4.8	7.5
PX5A57W3FE	974		40.6	1.16	83.7	31.3	4.2	7.2
CPS 16214 B2XF	974		42.4	1.14	83.4	29.8	5.2	8.4
PX2A28W3FE	972		44.5	1.15	81.5	31.8	4.5	5.5
AMX 1715B2XF	828		42.7	1.15	83.0	29.3	4.9	6.7
MEAN	1104		44.5	1.14	83.2	30.1	4.8	7.8
C.V.(%)	18		.	.	.	.	.	.
LSD_10	104		.	.	.	.	.	.
SEM	89		.	.	.	.	.	.
Error d.f.	198		.	.	.	.	.	.

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

TABLE R.2 AVERAGE PERFORMANCE OF TRANSGENIC COTTON VARIETIES AT EDGEcombe COUNTY - 2017

VARIETY/HYBRID OR BRAND VARIETY/HYBRID	LINT YIELD LB/ACRE	sign	LINT %	PLANT HEIGHT INCHES	PERCENT BOLLS OPENED	UHM S.L. (IN.)	UNIFORMITY INDEX	T1 (G/TEX)	MIKE	ELONGATION
PX4A54W3FE	1613	**	48.9	33	79	1.09	84.3	31.1	5.1	7.7
PHY 444 WRF	1612	*	48.3	33	67	1.23	85.0	32.8	4.5	6.7
PX4A52W3FE	1560	*	48.4	33	75	1.09	83.5	29.3	5.0	8.1
DP 1555 B2RF	1547	*	48.4	35	73	1.13	84.3	31.4	5.0	7.1
ST 6182 GLT	1545	*	49.1	35	75	1.10	84.1	29.6	5.2	7.8
PHY 300 W3FE	1540	*	48.4	36	78	1.11	84.5	30.1	4.8	7.0
PX5B76W3FE	1531		47.4	35	90	1.06	82.5	29.4	5.2	6.9
PX4A62W3FE	1530		48.8	30	78	1.14	82.2	33.6	4.7	7.0
PHY 340 W3FE	1527		50.0	36	82	1.12	84.3	29.9	5.1	7.2
NG 5007 B2XF	1525		47.5	40	80	1.12	83.0	27.8	4.9	7.6
CROPLAN 9608 B3XF	1519		50.4	35	81	1.09	83.3	28.0	5.0	6.3
PX3A96W3FE	1504		47.0	35	78	1.16	84.8	32.6	4.9	7.5
PHY 312 WRF	1500		46.3	36	83	1.09	83.9	29.3	5.2	7.1
ST 5020GLT	1497		46.3	37	78	1.14	83.6	31.8	5.0	7.5
PX4A57W3FE	1489		50.5	31	88	1.01	82.4	29.4	4.9	7.6
PX3A99W3FE	1485		47.5	34	82	1.12	84.8	30.5	4.7	7.7
PHY 330 W3FE	1483		48.8	38	96	1.10	83.0	30.6	4.9	6.3
DP 1851B3XF	1483		48.0	36	62	1.13	82.9	32.7	5.1	8.0
DP 1538B2XF	1483		47.4	39	74	1.05	81.6	26.8	5.4	7.8
NG 5711 B3XF	1482		45.3	35	75	1.19	85.0	30.4	4.8	7.6
CPS 1702 GLT	1480		46.5	34	81	1.08	82.4	28.7	4.9	7.2
DG 3526B2XF	1462		49.4	36	76	1.09	83.9	28.7	5.1	8.9
DP 1646B2XF	1453		47.6	37	85	1.21	84.2	29.8	5.0	7.6
PHY 490 W3FE	1436		47.2	36	77	1.11	84.5	32.0	4.9	8.3
CROPLAN 3885 B2XF	1436		47.4	37	71	1.10	83.0	28.7	5.2	8.3

AMX 1710B2XF	1423		46.2	37	80	1.07	83.5	31.1	5.4	5.8
PX5B73W3FE	1414		46.4	36	82	1.12	84.3	30.3	5.0	7.2
ST 5115 GLT	1414		46.1	35	62	1.09	82.5	30.3	4.9	7.4
NG 3522B2XF	1411		47.4	31	80	1.05	83.0	26.5	5.0	6.8
DP 1840B3XF	1410		45.0	36	75	1.21	85.0	32.7	5.0	7.3
MON 16R353 B3XF	1405		49.1	35	75	1.13	83.8	30.6	4.8	7.6
DP 1614B2XF	1398		48.2	31	92	1.11	84.3	29.3	5.6	8.2
PX3A82W3FE	1397		47.2	30	76	1.09	85.4	31.7	4.9	8.0
DP 1553B2XF	1390		46.1	33	67	1.15	84.8	28.8	5.0	8.1
ST 5517GLTP	1379		44.8	35	78	1.12	82.3	30.8	5.0	6.6
PHY 450 W3FE	1378		45.7	35	68	1.11	84.9	32.0	5.0	8.2
DG 3605 B2XF	1365		47.6	37	75	1.19	83.7	30.3	5.0	7.6
ST 4949GLT	1363		49.2	34	81	1.10	84.6	30.2	5.0	8.0
NG 4545B2XF	1363		44.4	39	85	1.07	82.7	32.2	5.3	5.5
DP 1522B2XF	1359		45.9	37	87	1.06	82.1	27.8	5.5	8.8
CPS 16214 B2XF	1351		45.3	35	87	1.11	84.3	28.8	5.2	8.0
DP 1639B2XF	1345		47.2	35	78	1.13	84.7	32.2	5.5	8.3
DP 1725B2XF	1338		48.2	35	83	1.10	81.5	28.4	4.7	6.3
NG 4601B2XF	1328		46.5	36	84	1.12	84.9	31.7	5.4	7.4
ST 4848GLT	1320		47.1	36	74	1.10	83.4	30.2	5.1	7.4
PX5A57W3FE	1304		45.1	35	84	1.12	84.6	30.4	4.7	7.1
CROPLAN 3475 B2XF	1298		44.5	33	88	1.06	83.6	31.6	5.2	8.3
PX2A28W3FE	1296		45.9	31	71	1.14	83.8	31.7	4.6	5.9
DP 1820B3XF	1278		48.1	34	92	1.17	84.0	32.8	5.1	5.8
AMX 1715B2XF	1196		44.8	35	82	1.12	82.0	29.7	5.1	5.9
MEAN	1433		47.3	35	79	1.11	83.7	30.3	5.0	7.3
C.V.(%)	13		.	.	.	.	.	.	.	.
LSD_10	80		.	.	.	.	.	.	.	.
SEM	83		.	.	.	.	.	.	.	.
Error d.f.	198		.	.	.	.	.	.	.	.

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

TABLE R.3 AVERAGE PERFORMANCE OF TRANSGENIC COTTON VARIETIES AT BERTIE COUNTY - 2017

VARIETY/HYBRID OR BRAND VARIETY/HYBRID	LINT YIELD LB/ACRE	sign	LINT %	PLANT HEIGHT INCHES	PERCENT BOLLS OPENED	UHM S.L. (IN.)	UNIFORMITY INDEX	T1 (G/TEX)	MIKE	ELONGATION
PHY 330 W3FE	1691	**	47.4	46	45	1.14	82.9	29.3	4.4	7.3
DP 1646B2XF	1669	*	46.7	52	33	1.27	85.1	27.8	4.3	7.1
PHY 340 W3FE	1644	*	47.6	48	48	1.15	84.7	29.0	4.4	6.8
PX4A54W3FE	1614	*	46.3	44	44	1.17	84.9	30.9	4.3	7.5
PX4A57W3FE	1588	*	48.1	37	48	1.10	84.0	29.1	3.9	7.5
PHY 300 W3FE	1557		47.2	45	39	1.14	83.8	31.0	4.7	7.4
PX4A52W3FE	1555		46.4	44	41	1.17	84.3	28.4	4.3	8.3
DP 1614B2XF	1511		47.7	46	37	1.20	84.6	28.6	5.1	8.1
PX3A82W3FE	1499		45.8	40	52	1.13	84.2	31.3	4.2	8.0
PX5B76W3FE	1496		44.7	50	41	1.17	85.1	29.2	4.5	6.8
DP 1555 B2RF	1493		46.7	50	27	1.19	83.9	31.4	4.6	7.2
PHY 450 W3FE	1489		44.4	43	40	1.13	85.3	31.9	4.9	9.3
PX5B73W3FE	1485		45.7	45	34	1.17	84.5	28.0	4.2	7.2
ST 5517GLTP	1485		43.8	46	22	1.21	84.0	30.8	4.2	7.3
PHY 312 WRF	1477		45.2	43	50	1.21	84.7	28.9	4.4	6.8
DP 1522B2XF	1476		45.2	45	37	1.15	83.1	28.9	4.9	8.5
CPS 1702 GLT	1467		45.0	43	37	1.15	83.1	30.3	3.9	6.7
NG 5711 B3XF	1467		44.8	45	36	1.19	84.2	29.6	4.3	6.9
PX3A99W3FE	1463		46.3	46	43	1.18	84.2	29.0	4.5	7.2
DP 1725B2XF	1460		47.7	47	25	1.17	85.2	28.0	4.3	6.6
CROPLAN 9608 B3XF	1457		47.2	45	33	1.17	84.5	29.7	4.4	7.4
ST 5115 GLT	1456		45.7	44	37	1.17	83.8	28.7	4.3	7.3
PHY 490 W3FE	1451		45.9	44	33	1.15	85.2	31.0	4.8	8.7
DP 1820B3XF	1447		47.2	47	32	1.25	84.5	31.7	4.6	5.9
PX3A96W3FE	1444		44.6	48	46	1.19	84.7	29.5	4.4	7.7

PX5A57W3FE	1441		44.6	48	37	1.16	84.8	29.6	4.3	7.3
PHY 444 WRF	1441		45.5	43	26	1.24	84.7	30.2	4.0	6.3
PX4A62W3FE	1438		45.9	43	39	1.24	85.6	31.9	4.2	6.6
CPS 16214 B2XF	1434		45.0	42	50	1.19	83.8	28.5	4.7	8.0
NG 4601B2XF	1431		46.9	40	37	1.18	85.0	29.8	4.4	7.0
CROPLAN 3885 B2XF	1427		46.7	49	24	1.12	82.2	26.8	4.9	7.9
NG 4545B2XF	1424		43.9	49	38	1.17	85.2	31.1	4.8	6.0
DP 1840B3XF	1421		45.2	44	22	1.23	83.5	29.1	4.5	7.2
DP 1851B3XF	1412		44.9	47	25	1.17	84.0	29.4	4.0	7.9
DG 3605 B2XF	1403		45.7	48	37	1.27	84.3	27.9	4.4	7.3
ST 4949GLT	1399		47.8	47	37	1.13	83.7	30.4	4.5	7.5
ST 5020GLT	1387		43.6	41	44	1.24	85.7	32.5	3.9	7.3
DP 1639B2XF	1384		48.0	49	31	1.15	84.8	29.9	4.7	8.3
NG 5007 B2XF	1382		44.3	47	38	1.17	85.2	26.5	4.5	8.1
ST 6182 GLT	1382		48.3	49	32	1.18	84.3	29.3	4.6	7.1
ST 4848GLT	1371		46.0	41	32	1.16	83.3	28.8	4.4	7.2
CROPLAN 3475 B2XF	1368		43.7	38	42	1.13	84.5	27.2	4.5	8.4
DP 1553B2XF	1365		46.6	51	24	1.17	83.1	26.6	4.7	7.5
DP 1538B2XF	1360		46.7	56	29	1.13	84.4	25.8	4.8	8.0
AMX 1710B2XF	1357		44.6	41	40	1.15	83.5	30.8	4.4	5.9
NG 3522B2XF	1348		45.3	40	32	1.15	83.8	26.7	4.4	7.3
MON 16R353 B3XF	1345		48.8	46	50	1.19	85.7	31.0	4.8	8.0
AMX 1715B2XF	1342		42.7	43	43	1.19	84.2	30.9	4.2	6.3
PX2A28W3FE	1293		44.4	40	33	1.21	84.3	31.4	4.1	5.8
DG 3526B2XF	1280		47.0	40	48	1.13	83.4	26.2	4.8	8.5
MEAN	1450		45.9	45	37	1.18	84.3	29.4	4.4	7.3
C.V.(%)	8		.	.	.	.	.	.	.	.
LSD_10	103		.	.	.	.	.	.	.	.
SEM	54		.	.	.	.	.	.	.	.
Error d.f.	198		.	.	.	.	.	.	.	.

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

TABLE R.5 AVERAGE PERFORMANCE OF TRANSGENIC COTTON VARIETIES AT SCOTLAND COUNTY - 2017

VARIETY/HYBRID OR BRAND VARIETY/HYBRID	LINT YIELD LB/ACRE	sign	LINT %	UHM S.L. (IN.)	UNIFORMITY INDEX	T1 (G/TEX)	MIKE	ELONGATION
DP 1555 B2RF	1770	**	45.1	1.21	84.8	30.1	4.1	7.6
DP 1725B2XF	1729	*	46.1	1.21	84.3	29.8	4.0	6.6
MON 16R353 B3XF	1700	*	45.5	1.21	85.1	31.6	4.1	8.2
CPS 1702 GLT	1689	*	42.5	1.18	83.9	30.0	3.9	7.0
NG 5711 B3XF	1662	*	42.5	1.30	84.9	32.0	3.5	7.1
DP 1851B3XF	1622	*	44.5	1.21	85.0	30.8	4.1	7.8
DP 1820B3XF	1613	*	44.8	1.26	84.8	32.2	4.2	6.2
DP 1840B3XF	1612	*	42.9	1.26	84.8	30.1	3.9	7.1
CROPLAN 3885 B2XF	1587	*	43.6	1.19	85.6	28.1	4.2	8.1
DP 1646B2XF	1587	*	44.5	1.31	84.1	28.5	4.2	7.5
NG 4601B2XF	1574		43.7	1.21	84.8	32.0	4.0	7.1
PX4A52W3FE	1571		43.2	1.17	85.6	28.2	3.7	8.1
PX3A99W3FE	1567		42.6	1.20	85.7	28.2	4.1	7.5
PX4A54W3FE	1543		42.2	1.15	84.3	29.7	3.8	7.4
ST 5517GLTP	1537		40.2	1.21	83.8	30.9	3.9	7.7
ST 4848GLT	1533		43.0	1.17	83.9	28.9	4.0	7.3
PX4A62W3FE	1510		43.3	1.22	83.9	33.6	3.9	6.4
PX4A57W3FE	1502		44.5	1.10	83.8	28.5	3.7	7.4
DP 1553B2XF	1499		42.7	1.21	85.1	27.2	4.0	8.1
PHY 312 WRF	1497		41.9	1.21	86.1	28.1	4.5	7.5
ST 4949GLT	1495		43.3	1.14	84.1	28.1	4.2	7.5
CROPLAN 9608 B3XF	1489		45.0	1.21	84.7	29.3	3.7	6.2
PHY 444 WRF	1475		43.2	1.29	85.9	31.2	3.5	6.4
ST 5020GLT	1469		42.3	1.17	84.9	29.3	4.3	7.4
AMX 1715B2XF	1461		39.3	1.23	83.9	31.3	4.0	6.3

PHY 330 W3FE	1460		43.5	1.15	85.1	30.5	4.1	7.1
DP 1614B2XF	1458		44.5	1.21	85.3	28.2	4.5	8.5
DP 1639B2XF	1453		43.8	1.21	86.6	28.5	3.7	7.9
DG 3526B2XF	1450		43.3	1.16	84.4	27.1	4.1	9.1
PX3A96W3FE	1450		39.8	1.17	84.2	30.2	3.8	7.7
PX3A82W3FE	1447		42.9	1.15	86.1	31.3	4.0	8.4
DP 1538B2XF	1440		43.4	1.15	83.6	27.0	4.2	8.0
NG 4545B2XF	1439		41.7	1.17	84.1	32.5	4.5	6.5
PHY 490 W3FE	1437		42.2	1.17	86.0	32.1	4.1	8.4
DG 3605 B2XF	1435		43.5	1.32	84.8	29.2	3.8	7.5
DP 1522B2XF	1435		42.2	1.19	85.1	29.2	4.0	8.6
ST 5115 GLT	1416		41.3	1.21	84.9	31.7	3.9	7.4
PHY 300 W3FE	1399		43.3	1.16	85.4	29.2	4.0	7.2
NG 3522B2XF	1383		42.0	1.13	83.1	26.6	3.9	7.2
CPS 16214 B2XF	1361		41.2	1.19	85.0	28.8	4.3	7.9
ST 6182 GLT	1344		45.2	1.21	84.9	29.1	4.1	7.3
PX5A57W3FE	1314		41.1	1.19	84.8	30.9	3.4	7.2
PHY 340 W3FE	1300		43.3	1.15	84.0	30.9	4.1	6.9
PHY 450 W3FE	1299		40.1	1.15	87.0	32.7	4.2	8.2
CROPLAN 3475 B2XF	1292		41.2	1.17	84.3	29.3	4.1	8.1
AMX 1710B2XF	1276		40.4	1.19	84.8	31.9	3.8	6.0
PX5B73W3FE	1270		41.4	1.17	84.0	29.9	3.5	7.2
PX2A28W3FE	1237		41.5	1.25	84.7	31.9	3.6	5.6
NG 5007 B2XF	1234		41.7	1.17	83.9	26.9	4.1	7.8
PX5B76W3FE	1227		41.9	1.19	84.3	31.2	3.8	7.2
MEAN	1471		42.8	1.20	84.7	29.9	4.0	7.4
C.V.(%)	13		.	.	.	.	.	.
LSD_10	189		.	.	.	.	.	.
SEM	84		.	.	.	.	.	.
Error d.f.	198		.	.	.	.	.	.

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

TABLE R.6 AVERAGE PERFORMANCE OF TRANSGENIC COTTON VARIETIES AT WASHINGTON COUNTY - 2017

VARIETY/HYBRID OR BRAND VARIETY/HYBRID	LINT YIELD LB/ACRE	sign	LINT %	PLANT HEIGHT INCHES	PERCENT BOLLS OPENED	UHM S.L. (IN.)	UNIFORMITY INDEX	T1 (G/TEX)	MIKE	ELONGATION
DP 1555 B2RF	1449	**	43.4	59	42	1.18	84.1	30.8	4.4	6.8
CPS 1702 GLT	1389	*	44.3	42	52	1.18	83.4	29.1	4.1	7.1
PX4A62W3FE	1387	*	44.5	46	45	1.25	84.4	31.8	4.0	5.9
DP 1614B2XF	1385	*	44.1	44	55	1.20	85.2	28.5	4.8	7.2
PHY 340 W3FE	1377	*	46.6	45	48	1.13	83.3	26.6	4.7	6.8
PHY 444 WRF	1371	*	42.5	43	42	1.26	85.4	29.0	3.7	5.8
DP 1646B2XF	1366	*	44.0	51	50	1.25	84.0	27.7	4.3	7.0
ST 5115 GLT	1363	*	42.7	51	38	1.17	84.4	30.5	4.2	7.2
PHY 330 W3FE	1353	*	43.9	46	63	1.18	84.7	29.5	4.4	6.7
PHY 300 W3FE	1343	*	44.0	44	61	1.15	85.3	29.0	4.7	7.0
ST 5517GLTP	1320	*	41.9	50	36	1.20	83.9	30.2	4.3	6.9
DP 1553B2XF	1319	*	44.1	52	37	1.20	85.6	27.8	4.7	7.2
PX4A54W3FE	1308	*	43.8	40	48	1.15	85.3	29.2	4.2	6.9
DP 1522B2XF	1308	*	43.2	49	51	1.17	85.2	29.3	4.8	8.1
PX3A96W3FE	1298	*	42.6	45	40	1.18	84.9	29.7	4.1	6.9
DP 1725B2XF	1296	*	45.6	50	51	1.19	84.4	29.2	4.2	6.1
CPS 16214 B2XF	1255		42.2	42	59	1.19	85.3	29.0	4.7	8.0
DP 1820B3XF	1253		44.3	54	41	1.23	85.1	31.2	4.4	5.6
ST 5020GLT	1244		42.0	42	39	1.21	84.4	30.5	4.1	7.2
PHY 312 WRF	1242		41.1	47	56	1.17	84.4	28.6	4.1	6.6
CROPLAN 3475 B2XF	1227		41.1	37	57	1.16	84.6	29.0	4.6	8.1
PX4A57W3FE	1226		43.6	42	40	1.12	83.7	28.7	4.1	7.4
PX4A52W3FE	1222		43.0	43	56	1.15	84.8	28.3	4.2	7.2
CROPLAN 9608 B3XF	1211		45.7	41	45	1.17	83.9	28.2	4.0	5.9
ST 6182 GLT	1210		46.0	51	45	1.17	84.5	27.8	4.5	6.4

AMX 1710B2XF	1199		41.2	47	55	1.17	84.8	33.8	4.5	6.0
DG 3526B2XF	1195		44.7	47	52	1.15	84.9	25.6	4.5	8.5
PX5B76W3FE	1177		42.5	52	44	1.19	84.6	29.1	4.3	6.3
DP 1840B3XF	1172		41.9	51	35	1.26	84.8	29.2	4.2	6.7
NG 4545B2XF	1168		40.6	47	42	1.18	84.5	32.8	4.5	6.1
NG 5007 B2XF	1168		43.3	54	53	1.19	84.8	27.0	4.4	7.4
AMX 1715B2XF	1166		41.0	38	60	1.19	84.9	29.6	4.6	6.0
ST 4848GLT	1165		42.4	54	52	1.14	83.0	28.7	4.1	6.3
DP 1538B2XF	1164		43.1	52	41	1.13	83.5	25.8	4.5	7.5
PX3A99W3FE	1164		41.5	50	58	1.15	83.6	28.4	4.3	6.8
NG 5711 B3XF	1147		41.3	50	27	1.25	84.8	28.7	4.1	6.7
NG 4601B2XF	1142		43.6	49	46	1.18	85.1	30.1	4.4	6.8
DP 1639B2XF	1128		43.2	50	46	1.17	84.7	28.6	4.7	7.5
PX3A82W3FE	1102		42.6	48	57	1.17	85.1	30.9	4.2	7.9
DP 1851B3XF	1098		42.9	54	44	1.19	85.6	31.1	3.7	7.4
DG 3605 B2XF	1083		43.5	45	29	1.23	84.9	27.7	4.2	7.3
MON 16R353 B3XF	1080		44.6	49	26	1.17	84.9	30.1	4.2	7.7
PHY 450 W3FE	1050		41.7	45	40	1.10	83.9	30.3	4.6	7.5
ST 4949GLT	1009		42.7	45	47	1.16	84.2	28.6	4.2	7.0
CROPLAN 3885 B2XF	1003		42.3	54	26	1.17	84.1	29.4	4.4	7.7
PX5A57W3FE	997		39.7	50	37	1.16	83.9	29.9	3.5	6.6
PX5B73W3FE	993		41.5	43	34	1.16	83.5	29.5	3.8	6.8
NG 3522B2XF	979		42.1	39	47	1.14	84.2	26.4	4.2	6.9
PX2A28W3FE	955		41.9	42	56	1.21	85.0	31.8	4.0	5.1
PHY 490 W3FE	946		42.7	49	46	1.15	84.6	32.5	4.4	7.5
MEAN	1203		43.0	47	46	1.18	84.5	29.3	4.3	6.9
C.V.(%)	14		.	.	.	.	.	.	.	.
LSD_10	173		.	.	.	.	.	.	.	.
SEM	75		.	.	.	.	.	.	.	.
Error d.f.	198		.	.	.	.	.	.	.	.

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

TABLE R.7 AVERAGE PERFORMANCE OF TRANSGENIC COTTON VARIETIES AT MONTGOMERY COUNTY - 2017

VARIETY/HYBRID OR BRAND VARIETY/HYBRID	LINT YIELD LB/ACRE	sign	LINT %	PLANT HEIGHT INCHES	PERCENT BOLLS OPENED	UHM S.L. (IN.)	UNIFORMITY INDEX	T1 (G/TEX)	MIKE	ELONGATION
CROPLAN 9608 B3XF	1062	**	50.5	28	74	83.95	28.5	06.6	1.1	.
ST 5115 GLT	1054	*	45.6	29	59	83.40	30.8	07.2	1.1	.
PX4A57W3FE	1050	*	49.2	23	78	83.00	29.9	07.8	1.1	.
PX4A54W3FE	1048	*	47.5	23	77	84.55	32.9	07.6	1.1	.
PHY 312 WRF	1038	*	47.0	27	84	85.10	30.8	07.4	1.2	.
PHY 444 WRF	1028	*	47.3	26	76	85.05	31.7	07.6	1.2	.
PHY 340 W3FE	1021	*	49.7	26	86	84.85	30.5	07.0	1.1	.
PX4A52W3FE	1013	*	47.2	22	76	84.90	29.9	07.8	1.1	.
PHY 330 W3FE	1009	*	48.8	28	68	84.50	30.1	06.8	1.1	.
ST 6182 GLT	1008	*	49.0	27	65	84.95	29.7	07.4	1.1	.
DP 1646B2XF	1004	*	47.8	28	82	84.40	29.9	07.6	1.2	.
MON 16R353 B3XF	1003	*	47.8	29	66	85.05	31.8	08.5	1.2	.
DP 1851B3XF	996	*	48.3	29	78	83.20	33.6	09.3	1.1	.
DP 1820B3XF	992	*	48.0	30	77	83.85	32.9	06.2	1.2	.
DP 1555 B2RF	990	*	46.4	26	83	84.65	32.1	07.7	1.2	.
PHY 300 W3FE	987	*	48.2	27	75	84.05	31.1	07.3	1.1	.
DP 1840B3XF	980	*	45.5	29	73	84.50	31.7	07.7	1.2	.
ST 5020GLT	977	*	45.5	27	79	84.15	32.3	08.0	1.2	.
CROPLAN 3885 B2XF	969		45.4	28	76	83.35	26.3	08.1	1.1	.
PX4A62W3FE	968		47.6	24	72	84.65	33.4	07.1	1.2	.
PHY 490 W3FE	964		46.8	27	74	83.95	31.8	08.4	1.1	.
DP 1538B2XF	955		46.3	29	59	84.60	27.9	08.0	1.1	.
NG 5007 B2XF	951		45.1	27	64	83.15	27.1	08.1	1.1	.
DG 3526B2XF	949		47.1	29	65	85.30	28.4	08.5	1.1	.
DP 1614B2XF	945		47.8	24	95	83.50	31.8	08.4	1.1	.

NG 5711 B3XF	944		44.9	27	56	84.50	31.7	07.7	1.2	.
NG 3522B2XF	931		44.5	27	83	82.65	26.4	06.4	1.1	.
PX5B73W3FE	926		47.3	26	71	84.80	31.2	06.7	1.1	.
PX5B76W3FE	925		45.3	25	81	84.80	32.4	07.4	1.1	.
NG 4545B2XF	922		44.7	30	78	82.45	31.1	05.7	1.1	.
PX3A82W3FE	919		47.3	25	79	85.35	32.2	08.2	1.1	.
DP 1639B2XF	917		46.6	25	71	85.35	31.5	07.8	1.1	.
DG 3605 B2XF	916		47.5	28	80	84.30	29.6	07.3	1.2	.
PHY 450 W3FE	912		45.4	28	82	85.60	33.9	08.1	1.1	.
AMX 1715B2XF	909		44.8	28	76	82.70	31.4	06.6	1.1	.
DP 1553B2XF	907		45.5	29	56	84.80	27.4	08.3	1.2	.
PX5A57W3FE	904		43.9	28	79	85.15	30.9	07.4	1.1	.
NG 4601B2XF	897		45.6	28	81	84.05	32.9	08.0	1.1	.
CPS 1702 GLT	895		44.3	30	66	83.85	31.6	07.1	1.1	.
ST 5517GLTP	887		44.4	27	57	82.75	31.9	06.6	1.1	.
PX3A99W3FE	886		46.0	26	72	83.10	31.3	07.9	1.1	.
PX2A28W3FE	880		45.5	24	78	84.35	33.6	05.9	1.2	.
PX3A96W3FE	879		44.2	25	76	84.00	32.4	08.0	1.2	.
ST 4848GLT	874		47.2	27	80	84.25	29.4	06.8	1.1	.
CPS 16214 B2XF	866		45.8	31	71	84.90	29.8	07.8	1.1	.
DP 1522B2XF	864		44.9	29	76	85.30	32.0	09.6	1.2	.
AMX 1710B2XF	852		43.7	28	81	84.05	29.9	05.9	1.1	.
ST 4949GLT	847		46.9	29	80	83.15	30.1	07.4	1.1	.
CROPLAN 3475 B2XF	835		44.2	26	79	82.80	30.8	08.2	1.1	.
DP 1725B2XF	822		47.2	27	84	84.65	31.2	06.5	1.1	.
MEAN	946		46.5	27	75	84.21	30.9	07.5	1.1	.
C.V.(%)	14		.	.	.	.	.	.	.	.
LSD_10	88		.	.	.	.	.	.	.	.
SEM	59		.	.	.	.	.	.	.	.
Error d.f.	198		.	.	.	.	.	.	.	.

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

TABLE R.16 AVERAGE PERFORMANCE OF TRANSGENIC COTTON VARIETIES AT ROWAN COUNTY - 2017

VARIETY/HYBRID OR BRAND VARIETY/HYBRID	LINT YIELD LB/ACRE	sign	LINT %
PX4A57W3FE	1558	**	45.6
PHY 300 W3FE	1538	*	44.2
PX4A54W3FE	1512	*	43.4
PX4A52W3FE	1501	*	42.7
CROPLAN 3475 B2XF	1500	*	42.6
DP 1614B2XF	1500	*	44.7
PHY 330 W3FE	1499	*	44.1
CPS 1702 GLT	1478	*	42.8
PHY 312 WRF	1467	*	41.0
CPS 16214 B2XF	1436	*	41.5
ST 5517GLTP	1421		42.0
PHY 340 W3FE	1419		45.0
PX3A96W3FE	1412		40.5
ST 4848GLT	1402		42.3
DP 1555 B2RF	1400		44.7
ST 5020GLT	1391		42.5
AMX 1710B2XF	1388		42.1
PX3A99W3FE	1386		41.9
NG 3522B2XF	1369		43.0
PHY 490 W3FE	1325		43.8
PX3A82W3FE	1325		42.6
NG 4545B2XF	1324		41.7
DG 3526B2XF	1322		41.3
DP 1820B3XF	1315		44.7
ST 5115 GLT	1306		42.1
DP 1725B2XF	1274		45.5
DP 1639B2XF	1268		43.2
PX4A62W3FE	1267		42.3
PX5B76W3FE	1262		40.3
DP 1646B2XF	1255		44.5
DG 3605 B2XF	1249		43.4
NG 4601B2XF	1248		41.3
DP 1851B3XF	1240		43.6
ST 6182 GLT	1236		45.2
ST 4949GLT	1234		44.0
PX5B73W3FE	1228		41.1

DP 1840B3XF	1220		42.5
PX2A28W3FE	1212		41.5
CROPLAN 3885 B2XF	1204		42.0
DP 1522B2XF	1183		42.0
CROPLAN 9608 B3XF	1169		47.5
AMX 1715B2XF	1168		40.6
NG 5007 B2XF	1154		41.9
DP 1538B2XF	1152		42.8
PHY 450 W3FE	1139		41.4
PHY 444 WRF	1117		42.5
MON 16R353 B3XF	1103		46.4
NG 5711 B3XF	1070		42.8
DP 1553B2XF	1065		42.5
PX5A57W3FE	1021		38.1
MEAN	1305		42.8
C.V.(%)	12		.
LSD_10	125		.
SEM	68		.
Error d.f.	198		.

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