

TABLE 5.4 Average Performance of Cotton Varieties at Johnston County 2023

Variety	Lint Yield (lb/acre)	Lint (%)	Plant Height (in)	Bolls Opened (%)	UHM S.L. (in)	Uniformity Index	T1 (g/tex)	MIKE
DG 3511 B3XF	1801 **	48.7	37	53	.	.	.	.
NG 4190 B3XF	1795 *	47.4	39	56	.	.	.	.
ST 5091 B3XF (BX 2191 B3XF)	1770 *	48.0	39	62	.	.	.	.
DP 2127 B3XF	1767 *	47.6	37	51	.	.	.	.
DP 2211 B3TXF	1732 *	47.9	39	67	.	.	.	.
Armor 9371 B3XF (CP 20XA91 B3XF)	1729 *	47.8	36	46	.	.	.	.
PHY 400 W3FE (PX 3B07W3FE)	1725 *	46.7	33	56	.	.	.	.
DP 2115 B3XF (19R113 B3XF)	1720 *	48.1	35	59	.	.	.	.
PHY 415 W3FE	1712 *	46.8	37	58	.	.	.	.
PX1130B333-04 W3FE	1707 *	45.5	33	54	.	.	.	.
PX1140B373-04W3FE	1703 *	46.2	34	63	.	.	.	.
DG 4484 B3TXF	1699 *	50.4	34	64	.	.	.	.
DP 2328 B3TXF	1692 *	48.8	42	57	.	.	.	.
DG 3528 B3XF	1687 *	47.6	39	63	.	.	.	.
NG 3195 B3XF (AMX 19B001 B3XF)	1685 *	46.6	37	68	.	.	.	.
PHY 411 W3FE	1682 *	47.9	36	52	.	.	.	.
Armor 9831 B3XF (CP 20XG91 B3XF)	1680 *	46.4	32	39	.	.	.	.
PHY 475 W3FE	1672 *	44.1	33	56	.	.	.	.
DG 4497 B3TXF	1654	49.9	38	65	.	.	.	.
ST 4595 B3XF	1652	47.5	39	39	.	.	.	.
DG 3519 B3XF	1641	46.6	33	53	.	.	.	.
DP 2239 B3XF	1627	47.2	32	50	.	.	.	.
PHY 443 W3FE (PX 3D43 W3FE)	1627	46.8	37	54	.	.	.	.
PX1140D328-04W3FE	1605	46.5	35	58	.	.	.	.
PHY 360 W3FE	1603	45.2	36	65	.	.	.	.
PX1140D385-04W3FE	1602	48.3	37	54	.	.	.	.
DP 2038 B3XF	1590	49.4	37	46	.	.	.	.
DP 2333 B3XF	1589	48.4	37	53	.	.	.	.
PHY 332 W3FE (PX 3D32 W3FE)	1581	45.6	35	67	.	.	.	.
PX1130D303-04W3FE	1539	44.7	35	61	.	.	.	.
NG 4335 B3TXF	1533	47.1	35	63	.	.	.	.
AMX160030-BB3XF	1531	45.7	35	42	.	.	.	.
DP 2131 B3TXF	1521	46.9	41	63	.	.	.	.
22R2222B3TXF	1502	48.5	35	49	.	.	.	.
DG 3425 B3XF	1495	47.0	34	34	.	.	.	.
21R4123B3TXF	1495	47.1	35	41	.	.	.	.
PX1150D490-04W3FE	1489	47.4	44	31	.	.	.	.
AMX20T157B3XF	1472	45.9	32	62	.	.	.	.
NG 4343 B3TXF	1459	45.3	34	64	.	.	.	.
AMX160030-AB3XF	1449	48.7	31	59	.	.	.	.
AMX20T079B3XF	1444	47.4	33	69	.	.	.	.
AMX20T114B3XF	1443	46.9	38	70	.	.	.	.
22R2112B3TXF	1396	49.0	38	60	.	.	.	.
ARMOR 9383 B3XF	1276	43.4	40	72	.	.	.	.
MEAN	1608	47.2	36	56	.	.	.	.
C.V.(%)	10.4	.	.	.	.	.	.	.
LSD_10	132	.	.	.	.	.	.	.
SEM	74.7	.	.	.	.	.	.	.
Error d.f.	173	.	.	.	.	.	.	.

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

TABLE 5.5 Average Performance of Cotton Varieties at Edgecombe County - 2023

Variety	Lint Yield (lb/acre)	Lint (%)	Plant Height (in)	Bolls Opened (%)	UHM S.L. (in)	Uniformity Index	T1 (g/tex)	MIKE
Armor 9371 B3XF (CP 20XA91 B3XF)	1420 **	47.8	38	48	.	.	.	.
DG 3528 B3XF	1359 *	46.5	40	52	.	.	.	.
DP 2115 B3XF (19R113 B3XF)	1339 *	47.7	36	47	.	.	.	.
ST 5091 B3XF (BX 2191 B3XF)	1335 *	47.1	36	55	.	.	.	.
PX1140D385-04W3FE	1318	48.8	39	58	.	.	.	.
DP 2127 B3XF	1293	47.9	40	50	.	.	.	.
PHY 400 W3FE (PX 3B07W3FE)	1287	47.4	33	71	.	.	.	.
DP 2131 B3TXF	1287	47.4	44	72	.	.	.	.
PHY 332 W3FE (PX 3D32 W3FE)	1274	46.7	34	54	.	.	.	.
PX1130D303-04W3FE	1273	45.4	39	55	.	.	.	.
DP 2333 B3XF	1265	47.4	40	45	.	.	.	.
ST 4595 B3XF	1264	47.4	36	50	.	.	.	.
DP 2328 B3TXF	1258	47.8	39	55	.	.	.	.
PX1140B373-04W3FE	1249	46.3	33	48	.	.	.	.
DG 3519 B3XF	1249	46.7	34	53	.	.	.	.
PX1130B333-04 W3FE	1245	45.4	35	48	.	.	.	.
Armor 9831 B3XF (CP 20XG91 B3XF)	1239	45.7	35	37	.	.	.	.
PHY 475 W3FE	1238	44.9	34	50	.	.	.	.
NG 4190 B3XF	1234	47.4	37	48	.	.	.	.
AMX20T157B3XF	1228	46.5	36	50	.	.	.	.
DG 3511 B3XF	1225	46.9	39	52	.	.	.	.
PHY 415 W3FE	1222	47.8	40	62	.	.	.	.
PX1150D490-04W3FE	1218	47.3	39	41	.	.	.	.
DP 2239 B3XF	1217	47.4	37	40	.	.	.	.
DP 2211 B3TXF	1207	47.8	42	55	.	.	.	.
22R2222B3TXF	1182	48.7	42	59	.	.	.	.
NG 3195 B3XF (AMX 19B001 B3XF)	1179	46.2	37	51	.	.	.	.
PHY 443 W3FE (PX 3D43 W3FE)	1173	46.2	39	42	.	.	.	.
PHY 360 W3FE	1172	46.1	35	81	.	.	.	.
PX1140D328-04W3FE	1168	46.9	39	57	.	.	.	.
NG 4343 B3TXF	1161	45.4	36	62	.	.	.	.
PHY 411 W3FE	1136	47.2	34	61	.	.	.	.
NG 4335 B3TXF	1128	46.3	41	67	.	.	.	.
AMX20T079B3XF	1127	46.3	36	56	.	.	.	.
DG 4484 B3TXF	1120	49.0	37	76	.	.	.	.
DG 4497 B3TXF	1107	48.9	36	70	.	.	.	.
DP 2038 B3XF	1107	49.9	41	55	.	.	.	.
21R4123B3TXF	1106	45.7	40	58	.	.	.	.
22R2112B3TXF	1096	47.9	39	60	.	.	.	.
AMX160030-BB3XF	1074	46.2	38	31	.	.	.	.
AMX160030-AB3XF	1060	47.2	37	61	.	.	.	.
AMX20T114B3XF	1047	45.5	39	53	.	.	.	.
ARMOR 9383 B3XF	1032	44.0	44	68	.	.	.	.
DG 3425 B3XF	991	47.1	40	40	.	.	.	.
MEAN	1203	47.0	38	55	.	.	.	.
C.V.(%)	10.9	.	.	.	.	.	.	.
LSD_10	102	.	.	.	.	.	.	.
SEM	58.7	.	.	.	.	.	.	.
Error d.f.	172	.	.	.	.	.	.	.

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

TABLE 5.6 Average Performance of Cotton Varieties at Bertie County - 2023

Variety	Lint Yield (lb/acre)	Lint (%)	Plant Height (in)	Bolls Opened (%)	UHM S.L. (in)	Uniformity Index	T1 (g/tex)	MIKE
Armor 9831 B3XF (CP 20XG91 B3XF)	1286 **	45.6	30	41	.	.	.	.
DP 2127 B3XF	1240 *	46.6	34	55	.	.	.	.
DP 2333 B3XF	1221 *	48.8	36	59	.	.	.	.
DP 2038 B3XF	1219 *	49.4	40	51	.	.	.	.
DP 2211 B3TXF	1209 *	47.3	33	68	.	.	.	.
21R4123B3TXF	1189 *	46.4	34	51	.	.	.	.
NG 4190 B3XF	1173	45.7	32	63	.	.	.	.
ST 5091 B3XF (BX 2191 B3XF)	1171	46.9	34	69	.	.	.	.
DP 2328 B3TXF	1167	47.2	33	56	.	.	.	.
ST 4595 B3XF	1161	46.4	32	53	.	.	.	.
DG 3528 B3XF	1153	45.9	34	61	.	.	.	.
NG 4343 B3TXF	1150	45.0	32	57	.	.	.	.
PHY 475 W3FE	1147	44.3	33	68	.	.	.	.
DG 3511 B3XF	1144	46.8	35	70	.	.	.	.
DG 3425 B3XF	1126	45.7	34	51	.	.	.	.
AMX160030-BB3XF	1125	44.8	36	53	.	.	.	.
PHY 400 W3FE (PX 3B07W3FE)	1123	46.7	31	66	.	.	.	.
Armor 9371 B3XF (CP 20XA91 B3XF)	1118	47.3	32	57	.	.	.	.
PX1130B333-04 W3FE	1104	45.4	30	69	.	.	.	.
PX1130D303-04W3FE	1090	46.0	34	67	.	.	.	.
PHY 360 W3FE	1078	45.5	31	75	.	.	.	.
DP 2239 B3XF	1078	47.0	33	47	.	.	.	.
PHY 332 W3FE (PX 3D32 W3FE)	1078	45.7	31	71	.	.	.	.
PX1140D385-04W3FE	1071	48.0	32	53	.	.	.	.
AMX20T157B3XF	1061	45.3	32	60	.	.	.	.
PHY 443 W3FE (PX 3D43 W3FE)	1057	45.9	31	52	.	.	.	.
PHY 415 W3FE	1050	46.5	32	69	.	.	.	.
DP 2115 B3XF (19R113 B3XF)	1050	47.3	30	73	.	.	.	.
ARMOR 9383 B3XF	1043	43.4	36	65	.	.	.	.
NG 3195 B3XF (AMX 19B001 B3XF)	1040	45.7	33	79	.	.	.	.
DG 3519 B3XF	1039	45.1	35	59	.	.	.	.
DP 2131 B3TXF	1028	45.7	38	60	.	.	.	.
PX1140B373-04W3FE	1028	46.3	29	59	.	.	.	.
NG 4335 B3TXF	1007	44.0	36	71	.	.	.	.
PX1140D328-04W3FE	1007	47.1	34	66	.	.	.	.
PX1150D490-04W3FE	1005	47.3	31	48	.	.	.	.
PHY 411 W3FE	994	47.2	32	62	.	.	.	.
22R2222B3TXF	990	49.0	38	52	.	.	.	.
DG 4484 B3TXF	985	48.8	37	58	.	.	.	.
22R2112B3TXF	983	47.5	36	66	.	.	.	.
AMX20T079B3XF	964	46.3	36	67	.	.	.	.
DG 4497 B3TXF	916	48.4	34	70	.	.	.	.
AMX160030-AB3XF	897	47.7	33	54	.	.	.	.
AMX20T114B3XF	879	45.8	37	56	.	.	.	.
MEAN	1083	46.5	34	61	.	.	.	.
C.V.(%)	10.2	.	.	.	.	.	.	.
LSD_10	109	.	.	.	.	.	.	.
SEM	49.5	.	.	.	.	.	.	.
Error d.f.	174	.	.	.	.	.	.	.

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

TABLE 5.7 Average Performance of Cotton Varieties at Rowan County - 2023

Variety	Lint Yield (lb/acre)	Lint (%)	Plant Height (in)	Bolls Opened (%)	UHM S.L. (in)	Uniformity Index	T1 (g/tex)	MIKE
PHY 360 W3FE	1493 **	45.0	42	29	.	.	.	.
PX1140D328-04W3FE	1485 *	47.6	40	17	.	.	.	.
PHY 475 W3FE	1474 *	45.5	38	9	.	.	.	.
NG 4335 B3TXF	1465 *	48.5	41	27	.	.	.	.
ST 4595 B3XF	1432 *	48.1	45	13	.	.	.	.
PHY 411 W3FE	1431 *	47.5	43	20	.	.	.	.
DP 2115 B3XF (19R113 B3XF)	1409 *	46.9	37	39	.	.	.	.
ST 5091 B3XF (BX 2191 B3XF)	1387 *	47.4	46	24	.	.	.	.
ARMOR 9383 B3XF	1381 *	43.1	48	30	.	.	.	.
DP 2211 B3TXF	1343 *	45.7	45	29	.	.	.	.
PX1130B333-04 W3FE	1340 *	46.1	38	12	.	.	.	.
PHY 400 W3FE (PX 3B07W3FE)	1329	47.8	39	9	.	.	.	.
PHY 415 W3FE	1306	47.6	38	10	.	.	.	.
PX1140B373-04W3FE	1290	47.9	43	6	.	.	.	.
DP 2131 B3TXF	1242	45.9	49	21	.	.	.	.
NG 4343 B3TXF	1237	44.7	38	21	.	.	.	.
DG 3511 B3XF	1235	47.7	48	12	.	.	.	.
PHY 332 W3FE (PX 3D32 W3FE)	1228	45.3	41	18	.	.	.	.
Armor 9371 B3XF (CP 20XA91 B3XF)	1226	45.7	50	13	.	.	.	.
PX1130D303-04W3FE	1221	45.3	45	19	.	.	.	.
DP 2328 B3TXF	1193	49.1	48	19	.	.	.	.
NG 4190 B3XF	1192	46.6	44	12	.	.	.	.
PHY 443 W3FE (PX 3D43 W3FE)	1181	47.0	44	11	.	.	.	.
DG 3528 B3XF	1178	47.6	48	16	.	.	.	.
DG 3519 B3XF	1160	48.4	40	6	.	.	.	.
PX1140D385-04W3FE	1157	50.2	43	6	.	.	.	.
21R4123B3TXF	1144	45.4	47	20	.	.	.	.
DP 2333 B3XF	1108	48.7	48	13	.	.	.	.
DP 2127 B3XF	1107	47.7	49	8	.	.	.	.
DP 2038 B3XF	1088	49.3	46	3	.	.	.	.
DG 4497 B3TXF	1088	48.8	47	15	.	.	.	.
DG 4484 B3TXF	1073	49.6	45	12	.	.	.	.
NG 3195 B3XF (AMX 19B001 B3XF)	1069	46.9	44	22	.	.	.	.
22R2222B3TXF	1047	48.3	50	14	.	.	.	.
Armor 9831 B3XF (CP 20XG91 B3XF)	1034	45.5	42	5	.	.	.	.
DP 2239 B3XF	993	44.5	37	7	.	.	.	.
22R2112B3TXF	970	48.9	45	22	.	.	.	.
PX1150D490-04W3FE	956	46.8	53	4	.	.	.	.
AMX160030-BB3XF	916	47.5	45	9	.	.	.	.
AMX20T079B3XF	903	46.3	41	22	.	.	.	.
AMX20T157B3XF	837	45.7	41	7	.	.	.	.
DG 3425 B3XF	774	47.1	47	10	.	.	.	.
AMX160030-AB3XF	708	48.0	39	17	.	.	.	.
AMX20T114B3XF	684	45.0	46	14	.	.	.	.
MEAN	1171	47.0	44	15	.	.	.	.
C.V.(%)	15.1	.	.	.	.	.	.	.
LSD_10	155	.	.	.	.	.	.	.
SEM	78.8	.	.	.	.	.	.	.
Error d.f.	174	.	.	.	.	.	.	.

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

TABLE 5.8 Average Performance of Cotton Varieties at Montgomery County - 2023

Variety	Lint Yield (lb/acre)	Lint (%)	Plant Height (in)	Bolls Opened (%)	UHM S.L. (in)	Uniformity Index	T1 (g/tex)	MIKE
Armor 9831 B3XF (CP 20XG91 B3XF)	929 **	46.1	26	57	.	.	.	.
DP 2127 B3XF	905 *	48.1	29	61	.	.	.	.
Armor 9371 B3XF (CP 20XA91 B3XF)	901 *	48.2	30	63	.	.	.	.
ST 4595 B3XF	892 *	48.0	28	61	.	.	.	.
22R2112B3TXF	866 *	47.8	30	70	.	.	.	.
PX1150D490-04W3FE	861 *	48.8	28	52	.	.	.	.
NG 3195 B3XF (AMX 19B001 B3XF)	859 *	46.3	29	62	.	.	.	.
DP 2328 B3TXF	857 *	47.9	33	70	.	.	.	.
DG 3511 B3XF	849 *	47.9	29	56	.	.	.	.
DP 2239 B3XF	846 *	48.0	27	58	.	.	.	.
DP 2333 B3XF	845 *	47.1	33	57	.	.	.	.
PHY 360 W3FE	845 *	47.0	26	64	.	.	.	.
DP 2131 B3TXF	843 *	47.8	32	64	.	.	.	.
PHY 415 W3FE	843 *	48.8	26	58	.	.	.	.
DG 3528 B3XF	841 *	47.7	27	61	.	.	.	.
NG 4335 B3TXF	829	47.1	29	65	.	.	.	.
DG 4484 B3TXF	823	49.6	28	61	.	.	.	.
AMX20T157B3XF	823	46.5	27	55	.	.	.	.
PHY 443 W3FE (PX 3D43 W3FE)	817	48.9	30	65	.	.	.	.
AMX160030-BB3XF	810	45.6	30	52	.	.	.	.
PX1140D328-04W3FE	807	48.7	28	57	.	.	.	.
PHY 400 W3FE (PX 3B07W3FE)	802	47.7	25	64	.	.	.	.
PX1130D303-04W3FE	799	46.6	29	66	.	.	.	.
PHY 411 W3FE	798	48.9	28	64	.	.	.	.
DG 3519 B3XF	796	45.1	30	60	.	.	.	.
DP 2038 B3XF	790	49.5	30	58	.	.	.	.
PHY 475 W3FE	789	45.4	28	69	.	.	.	.
22R2222B3TXF	789	49.0	32	63	.	.	.	.
NG 4190 B3XF	786	46.1	29	66	.	.	.	.
ST 5091 B3XF (BX 2191 B3XF)	773	46.7	31	57	.	.	.	.
NG 4343 B3TXF	766	45.3	28	64	.	.	.	.
PX1140B373-04W3FE	751	46.6	25	75	.	.	.	.
DG 4497 B3TXF	743	49.4	27	73	.	.	.	.
PX1140D385-04W3FE	738	49.5	27	56	.	.	.	.
ARMOR 9383 B3XF	734	43.4	32	62	.	.	.	.
21R4123B3TXF	727	46.0	30	55	.	.	.	.
DP 2211 B3TXF	720	47.2	31	65	.	.	.	.
AMX160030-AB3XF	708	48.8	25	65	.	.	.	.
AMX20T114B3XF	699	46.2	31	65	.	.	.	.
PX1130B333-04 W3FE	698	45.8	24	56	.	.	.	.
DP 2115 B3XF (19R113 B3XF)	697	47.5	26	71	.	.	.	.
PHY 332 W3FE (PX 3D32 W3FE)	692	46.9	25	66	.	.	.	.
DG 3425 B3XF	679	47.1	29	41	.	.	.	.
AMX20T079B3XF	579	47.0	27	67	.	.	.	.
MEAN	794	47.4	29	62	.	.	.	.
C.V.(%)	12.7	.	.	.	.	.	.	.
LSD_10	93	.	.	.	.	.	.	.
SEM	45.2	.	.	.	.	.	.	.
Error d.f.	174	.	.	.	.	.	.	.

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