

Table 7. Yield performance, fiber characteristics, loan values, and dollar return per acre of cotton varieties grown on an irrigated Gigger silt loam at the Macon Ridge Research Station, Winnsboro, Louisiana, 2019.

TRT No.	Variety	Lint Yield (lbs./ac.)	Lint (%)	Micronaire	Length (inches)	Strength (g/tex)	Uniformity (%)
7	PX5C45W3FE	1957	42.7	4.1	1.12	31.6	84.1
37	DG3427B3XF	1884	42.9	4.6	1.15	27.9	81.9
30	CG9608B3XF	1866	43.2	4.4	1.18	26.6	83.7
8	PHY580W3FE	1837	41.5	4.1	1.16	32.3	83.4
5	PX5C05W3FE	1828	42.7	4.3	1.15	30.9	84.6
26	DP1835B3XF	1810	41.9	4.6	1.17	29.4	83.4
31	DP1555B2RF	1760	39.5	4.3	1.19	30.9	83.1
29	DP1851B3XF	1737	39.8	4.4	1.17	33.5	83.9
6	PX5E34W3FE	1704	40.4	3.8	1.19	31.4	83.2
2	PHY480W3FE	1692	39.7	3.9	1.21	32.3	85.8
27	DP1845B3XF	1677	40.1	3.9	1.26	32.3	84.4
1	PX3B07W3FE	1672	40.9	4.2	1.20	31.0	83.7
43	DG3605B2XF	1651	39.7	4.0	1.27	29.1	83.1
18	AMX19A006B3XF	1634	35.7	4.3	1.27	33.9	84.5
45	DG3520B3XF	1621	36.4	3.7	1.24	31.2	84.6
24	ST5600B2XF	1621	39.2	4.9	1.18	30.4	84.5
10	PX5D28W3FE	1614	41.4	4.2	1.16	31.5	82.9
14	NG3729B2XF	1600	38.8	4.4	1.22	29.0	84.6
44	DGX18503-BB3XF	1587	37.6	4.5	1.19	30.8	83.1
28	DP1646B2XF	1580	41.0	4.2	1.22	29.1	84.0
23	ST5471GLTP	1579	37.9	4.2	1.19	31.0	82.8
39	H959B3XF	1576	37.3	4.0	1.20	30.3	83.0
46	19XG9B3XF	1576	42.7	4.1	1.27	28.7	83.9
41	DG3615B3XF	1565	36.2	4.1	1.20	32.1	84.7
21	NG5711B3XF	1558	37.1	4.1	1.21	30.6	84.8
22	ST4550GLTP	1558	39.7	4.3	1.16	32.7	83.5
16	AMX1828B3XF	1555	37.6	4.7	1.23	30.9	85.4
47	FM2398GLTP	1544	41.0	4.9	1.20	28.9	84.7
40	DG3526B2XF	1540	40.8	4.6	1.12	28.7	83.9
15	NG3930B3XF	1534	39.4	4.4	1.17	27.5	83.2
17	NG4936B3XF	1529	36.8	4.4	1.22	28.2	84.7
12	PX5E28W3FE	1527	37.1	3.5	1.20	31.3	83.5
4	PHY350W3FE	1523	38.0	3.8	1.17	30.3	82.5
11	PHY340W3FE	1489	41.3	4.1	1.16	29.6	83.9
3	PX3D43W3FE	1486	40.2	4.0	1.18	33.6	84.6
19	AMX19A005B3XF	1468	39.8	4.3	1.18	28.1	83.5
33	UA114	1452	35.3	4.2	1.21	31.2	84.9
32	UA222	1446	37.4	4.0	1.22	30.1	85.0
13	NG3944B3XF	1434	41.2	4.4	1.14	28.5	82.0
36	AMX1818B3XF	1429	37.6	4.3	1.19	31.1	84.1
25	DP1518B2XF	1426	39.0	4.2	1.14	27.3	82.8
42	DG3402B3XF	1424	38.8	3.8	1.20	31.0	83.1

20	NG3522B2XF	1407	37.6	4.2	1.15	26.4	83.5
34	DP1916B3XF	1394	40.9	4.3	1.16	29.6	82.5
38	DG3317B3XF	1348	40.6	4.6	1.17	30.0	83.3
9	PX3D32W3FE	1286	37.3	3.5	1.23	30.3	82.8
35	AMX1816B3XF	1252	33.8	3.6	1.21	28.2	84.1
	Overall mean	1579	39.3	4.202	1.1914	30.237	83.77
	LSD (0.05)	206.09	1.516	0.331	0.0372	1.5	1.335
	C.V. (%)	11.15	3.29	5.81	2.3	3.66	1.17

Numbers shaded within a column are not significantly different from the numerically greatest value.