

Table 9 Lint Yield, Gin Turnout, and Fiber Quality of Early-Maturing Cotton Varieties  
Grown in Sumter County at Oswego, SC, in 2019. Early-Maturity Dryland OVT. M. Jones.

Variety	Lint Yield lb/acre	Gin Turnout %	Fiber Length in.	Fiber Uniformity %	Fiber Strength g/tex	Elongation	Micronaire
PX5C45W3FE	<b>1822</b>	<b>43.3</b>	1.15	84.7	30.5	7.1	4.6
ST 5122GLT	<b>1820</b>	39.6	1.16	82.6	30.8	6.9	4.4
ST 5471GLTP	<b>1753</b>	41.5	1.20	84.5	30.7	6.8	4.4
DG 3520 B3XF	<b>1751</b>	39.7	<b>1.27</b>	<b>85.9</b>	30.8	<b>7.6</b>	3.9
PHY 500W3FE	<b>1750</b>	40.9	1.17	84.4	<b>32.0</b>	6.3	4.1
PHY400W3FE	<b>1707</b>	41.5	1.18	84.1	30.4	6.6	4.5
PHY 480 W3FE	<b>1677</b>	41.0	1.16	<b>85.3</b>	29.8	<b>7.5</b>	4.3
ST 5600B2XF	<b>1674</b>	40.8	1.18	84.2	30.8	<b>7.3</b>	<b>5.0</b>
PX5C05W3FE	<b>1633</b>	<b>44.2</b>	1.11	84.4	29.6	<b>7.3</b>	4.7
DP 1646 B2XF	<b>1583</b>	<b>42.2</b>	<b>1.25</b>	84.5	29.4	<b>7.5</b>	4.4
DP 1725 B2XF	<b>1578</b>	<b>43.5</b>	1.16	83.7	30.2	6.4	4.6
PHY 580 W3FE	1562	<b>42.6</b>	1.16	84.2	30.2	7.1	4.6
CG 9178 B3XF	1549	41.8	1.16	84.0	<b>32.9</b>	6.6	4.6
PX3D43W3FE	1505	<b>43.9</b>	1.14	84.1	30.9	6.8	4.5
PX5E34W3FE	1485	38.8	1.18	84.6	<b>31.7</b>	7.0	4.0
DP 1916 B3XF	1467	<b>43.2</b>	1.17	84.8	<b>32.4</b>	6.6	<b>4.9</b>
PX3D32W3FE	1464	41.1	1.19	83.8	<b>32.4</b>	7.0	4.6
PX5E28W3FE	1452	38.7	1.18	84.8	31.3	7.2	4.0
ST 4550GLTP	1449	<b>44.4</b>	1.15	84.3	31.0	<b>7.5</b>	<b>4.7</b>
DG 3530 B3XF	1445	<b>43.2</b>	1.19	<b>85.6</b>	<b>32.4</b>	7.1	<b>4.8</b>
PHY 350 W3FE	1436	40.6	1.17	84.1	30.5	7.1	4.5
PHY 340 W3FE	1422	41.0	1.15	84.7	30.7	6.6	4.5
NG 3729 B2XF	1373	40.0	1.18	<b>85.2</b>	29.5	<b>7.3</b>	<b>4.8</b>
NG 4689 B2XF	1329	39.0	1.16	83.9	31.5	5.7	4.7
LSD (0.05)	249	2.3	0.02	1.1	1.3	0.3	0.3
C.V. (%)	11	3.9	1.41	0.9	3.1	3.5	3.9
Trial Mean	1570	41.5	1.17	84.4	30.9	6.9	4.5

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

Location: Sam Durant Farm, Oswego, SC

Soil Type: Norfolk Sandy Loam

Planted: May 20, 2019

Harvested: November 14, 2019

Table 10 Lint Yield, Gin Turnout, and Fiber Quality of Late-Maturing Cotton Varieties Grown in Sumter County at Oswego, SC, in 2019. Late-Maturity Dryland OVT. M. Jones.

Variety	Lint Yield lb/acre	Gin Turnout %	Fiber Length in.	Fiber Uniformity %	Fiber Strength g/tex	Elongation	Micronaire
DG 3615 B3XF	<b>2028</b>	41.8	1.21	83.7	31.4	6.6	4.3
PX5C05W3FE	<b>1863</b>	43.4	1.12	<b>84.2</b>	31.0	7.1	4.5
PHY 580 W3FE	<b>1826</b>	<b>43.9</b>	1.18	<b>85.0</b>	31.5	7.0	4.6
DGX 19731 GLTP	1788	40.2	1.24	<b>85.0</b>	31.2	7.1	4.5
PHY 480 W3FE	1746	40.0	1.16	<b>85.1</b>	30.4	7.2	4.2
ST 5471GLTP	1721	40.4	1.18	83.8	31.3	6.6	4.3
DP 1646 B2XF	1718	42.8	1.25	<b>84.8</b>	30.6	<b>7.7</b>	4.4
CG 9608 B3XF	1676	43.8	1.20	83.7	30.1	6.3	4.5
PX5C45W3FE	1661	43.7	1.14	84.0	30.8	6.9	4.7
DP 1851 B3XF	1657	41.0	1.18	<b>85.0</b>	<b>32.8</b>	<b>7.7</b>	4.6
DG 3605 B2XF	1652	42.7	<b>1.26</b>	83.6	30.0	7.2	4.4
DP 1840 B3XF	1645	39.5	1.24	<b>84.5</b>	30.6	6.9	4.4
ST 5818GLT	1642	40.0	1.19	83.7	30.7	6.3	4.5
DG 3520 B3XF	1621	40.5	<b>1.27</b>	<b>85.2</b>	31.8	<b>7.5</b>	3.9
WU 19XG9 B3XF	1621	<b>45.2</b>	<b>1.29</b>	83.6	30.3	6.5	4.5
PHY 400W3FE	1605	42.0	1.18	<b>84.4</b>	32.0	6.4	4.4
DP 1835 B3XF	1603	43.5	1.18	84.0	31.1	6.0	4.5
DG 3570 B3XF	1590	42.7	1.15	<b>84.3</b>	30.8	7.2	4.8
PHY 350 W3FE	1583	39.6	1.17	84.0	31.1	7.1	4.5
DG 3753 B3XF	1572	<b>43.9</b>	1.17	<b>84.3</b>	31.4	<b>7.5</b>	4.7
PX3D32W3FE	1569	40.3	1.21	<b>84.6</b>	32.6	7.0	4.5
NG 5711 B3XF	1568	40.6	1.23	<b>84.4</b>	30.8	6.8	4.2
ST 6182GLT	1562	<b>45.7</b>	1.16	83.9	29.3	6.7	4.7
PHY 340 W3FE	1562	42.7	1.15	84.1	30.6	6.7	4.8
PHY 500W3FE	1553	40.9	1.16	<b>84.4</b>	<b>34.0</b>	6.1	4.1
NG 5007 B2XF	1539	41.2	1.18	<b>84.3</b>	28.6	<b>7.5</b>	4.3
NG 3522B2XF	1533	41.3	1.13	83.6	28.9	6.6	4.6
CG 3885 B2XF	1529	41.6	1.16	<b>84.7</b>	29.3	<b>7.5</b>	4.6
PX3D43W3FE	1505	43.0	1.14	<b>84.2</b>	<b>33.2</b>	6.6	4.4
ST 5707B2XF	1495	37.5	1.19	<b>84.9</b>	<b>33.5</b>	6.7	4.6
DGX 1901 GLTP	1480	43.4	1.17	<b>84.6</b>	30.2	7.4	4.7
PX5E34W3FE	1471	39.1	1.18	<b>84.6</b>	33.5	6.9	4.0
ST 5600B2XF	1447	41.8	1.16	<b>84.2</b>	31.8	7.3	<b>5.2</b>
PX5E28W3FE	1402	39.4	1.16	83.8	31.8	6.9	3.9
DG 18507-C B3XF	1381	41.8	1.16	83.8	30.6	<b>7.6</b>	4.7
PHY 430W3FE	1140	41.7	1.13	<b>84.8</b>	30.7	6.6	4.5
LSD (0.05)	236	1.8	0.03	1.0	1.4	0.3	0.3
C.V. (%)	11	3.2	1.95	0.8	3.2	3.2	4.3
Trial Mean	1599	41.7	1.18	84.3	31.1	6.9	4.5

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

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