

Table 5. Lint Yield, Gin Turnout, and Fiber Quality of Early-Maturing Cotton Varieties Grown in Lee County at St. Charles, SC, in 2018. Early-Maturity Dryland OVT. M. Jones.

Variety	Lint Yield lb/acre	Gin Turnout %	Fiber Length in.	Fiber Uniformity %	Fiber Strength g/tex	Elongation	Micronaire
PX3B07W3FE	<b>964</b>	43.5	1.16	<b>82.4</b>	<b>30.9</b>	4.1	3.7
PHY 300 W3FE	<b>916</b>	43.2	1.15	<b>83.5</b>	29.5	4.1	3.9
ST 5471GLTP	<b>902</b>	41.3	<b>1.16</b>	81.2	<b>31.1</b>	4.6	3.8
NG 4689 B2XF	<b>896</b>	41.1	1.14	<b>82.2</b>	29.9	3.0	<b>4.0</b>
PHY 430 W3FE	<b>863</b>	42.9	1.08	<b>82.5</b>	<b>31.2</b>	4.9	3.6
PHY 350W3FE	<b>840</b>	40.9	1.14	81.6	29.8	4.5	3.8
NG 3522 B2XF	<b>840</b>	42.1	1.08	80.3	25.9	4.4	3.9
ST 5517GLTP	<b>814</b>	39.2	<b>1.16</b>	81.7	30.6	4.0	3.6
PX4A69W3FE	<b>801</b>	<b>44.8</b>	1.14	<b>82.6</b>	<b>31.5</b>	4.6	3.3
PHY 330 W3FE	<b>800</b>	43.6	1.15	<b>82.7</b>	29.5	3.8	3.8
PX4A64W3FE	<b>795</b>	43.6	1.15	<b>83.7</b>	<b>32.8</b>	4.5	3.6
NG 4601 B2XF	<b>788</b>	43.2	<b>1.18</b>	<b>83.7</b>	<b>30.8</b>	4.6	<b>4.2</b>
PX3C06W3FE	786	42.8	<b>1.16</b>	<b>82.0</b>	27.6	4.0	3.8
ST 4949GLT	783	<b>44.8</b>	1.11	81.0	28.8	4.7	3.9
MN 17R821B3XF	778	44.1	1.12	<b>82.7</b>	27.9	<b>6.6</b>	<b>4.1</b>
MN 17R829B3XF	762	43.7	1.13	79.5	26.6	3.1	4.0
ST 5020GLT	761	40.1	<b>1.20</b>	<b>83.5</b>	<b>31.3</b>	4.9	4.1
PHY 320W3FE	759	41.7	1.15	<b>84.2</b>	<b>32.6</b>	4.4	3.5
DP 1725 B2XF	747	<b>45.8</b>	1.12	80.7	27.4	3.8	3.9
PHY 440 W3FE	746	43.0	1.15	<b>82.4</b>	<b>32.2</b>	4.2	3.5
NG 3729 B2XF	739	42.6	<b>1.17</b>	<b>82.2</b>	29.4	5.1	<b>4.0</b>
DP 1820 B3XF	734	42.7	<b>1.22</b>	<b>82.4</b>	30.6	2.9	3.7
ST 4550GLTP	731	<b>44.7</b>	1.13	<b>82.8</b>	<b>30.9</b>	5.3	3.8
AMX 1801 B3XF	730	39.9	<b>1.18</b>	<b>83.0</b>	28.7	4.9	3.7
ST 4848GLT	712	43.0	1.16	<b>82.2</b>	28.9	4.5	3.9
PX3B09W3FE	711	43.7	1.16	81.9	29.8	4.0	3.7
ST 5122GLT	710	42.4	1.13	81.6	29.2	4.3	3.7
NG 3780 B2XF	708	39.6	<b>1.18</b>	<b>82.5</b>	29.5	5.0	3.9
CG 9178 B3XF	699	42.6	1.16	<b>83.5</b>	30.2	3.6	3.7
NG 3699 B2XF	696	39.0	<b>1.22</b>	<b>82.9</b>	29.3	3.5	3.7
NG 4777 B2XF	625	39.0	<b>1.17</b>	81.2	29.7	2.5	3.5
DG 3214B2XF	590	40.5	<b>1.17</b>	<b>83.3</b>	28.4	5.2	3.9
LSD (0.05)	178	1.3	0.06	2.2	2.0	0.4	0.2
C.V. (%)	16	2.2	3.67	1.9	4.7	7.3	4.4
Trial Mean	772	42.4	1.15	82.3	29.8	4.3	3.8

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

Location: Pete Player Farm, St. Charles, SC  
 Soil Type: Norfolk Sandy Loam  
 GPS Coordinates: lat: 34.098206; long: -80.228366  
 Planted: May 22, 2018  
 Harvested: November 28, 2018