

2019 IRRIGATED COTTON TRIAL - EDISTO REC - BLACKVILLE, SC  
EARLY MATURING VARIETIES

COMPANY OR BRAND NAME	VARIETY OR STRAIN	LINT YIELD (LB/A)	LINT PERCENT (%)	UHM LENGTH (IN)	M/UHM		ELONGATION	MIKE (READING)
					UNIF. RATIO (PCT)	FIBER STRENGTH (G/TEX)		
NexGen	NG 3729 B2XF	<b>2264</b>	<b>44.6</b>	1.18	85.0	30.4	<b>5.8</b>	4.8
Dyna-Gro	DG 3530 B3XF	<b>2122</b>	<b>46.6</b>	1.19	85.0	32.7	4.8	4.7
Deltapine	DP 1646 B2XF	<b>2098</b>	42.5	<b>1.27</b>	<b>85.7</b>	29.7	<b>6.1</b>	4.5
Deltapine	DP 1725 B2XF	2039	<b>44.5</b>	1.17	84.1	31.0	4.5	4.4
PhytoGen	PX3D43W3FE	1986	42.1	1.14	85.0	<b>34.3</b>	5.1	4.4
PhytoGen	PX5C45W3FE	1961	42.8	1.15	85.5	31.6	5.6	4.7
PhytoGen	PHY 350 W3FE	1959	38.7	1.21	85.3	31.7	<b>5.7</b>	4.5
Dyna-Gro	DG 3520 B3XF	1938	39.2	<b>1.29</b>	<b>86.9</b>	33.0	<b>5.9</b>	3.9
Stoneville	ST 5600B2XF	1891	40.7	1.20	<b>86.1</b>	32.8	<b>5.9</b>	<b>5.1</b>
PhytoGen	PHY 580 W3FE	1889	<b>44.1</b>	1.15	85.1	31.4	<b>5.7</b>	4.6
PhytoGen	PX3D32W3FE	1871	39.1	1.20	85.0	33.4	<b>5.8</b>	4.3
PhytoGen	PHY 340 W3FE	1862	40.5	1.17	85.4	32.2	4.8	4.4
PhytoGen	PHY 500 W3FE	1853	<b>43.4</b>	1.19	85.0	<b>35.4</b>	4.1	4.4
Stoneville	ST 5122GLT	1848	40.5	1.16	84.2	31.5	4.9	4.2
Stoneville	ST 4550GLTP	1834	40.8	1.18	84.3	32.9	<b>6.0</b>	4.6
NexGen	NG 4689 B2XF	1826	38.5	1.17	83.9	33.3	3.2	4.5
Deltapine	DP 1916 B3XF	1816	41.2	1.20	85.4	33.7	4.6	<b>4.9</b>
PhytoGen	PHY 400 W3FE	1785	41.0	1.20	84.8	32.6	5.0	4.3
CROPLAN	9178 B3XF	1770	41.1	1.19	84.9	<b>34.0</b>	4.5	<b>4.9</b>
PhytoGen	PX5E28W3FE	1761	41.1	1.20	84.6	<b>34.3</b>	5.3	4.0
PhytoGen	PHY 480 W3FE	1671	39.9	1.15	84.8	31.8	<b>6.1</b>	4.3
PhytoGen	PX5E34W3FE	1657	37.5	1.22	<b>85.9</b>	<b>34.2</b>	5.3	4.0
PhytoGen	PX5C05W3FE	1648	40.1	1.11	84.9	31.7	<b>6.3</b>	4.7
Stoneville	ST 5471GLTP	1627	40.3	1.18	83.9	32.3	5.0	4.4
AVERAGES		1874	41.3	1.19	85.0	32.6	5.2	4.5
L.S.D.		219	3.6	0.04	1.4	1.6	0.6	0.3
C.V. (%)		9.9	7.4	2.2	1.0	3.1	7.1	3.1
STD. ERROR OF ENTRY MEAN		92.8	DF=69					

Bold numbers are not statistically different.

Planting Date:5/23/19

Harvest Date:10/24/19

2019 IRRIGATED COTTON TRIAL - EDISTO REC - BLACKVILLE, SC  
LATE MATURING VARIETIES

COMPANY OR BRAND NAME	VARIETY OR STRAIN	LINT YIELD (LB/A)	LINT PERCENT (%)	UHM LENGTH (IN)	M/UHM	FIBER		MIKE (READING)
					UNIF. RATIO (PCT)	STRENGTH (G/TEX)	ELONGATION	
PhytoGen	PX5C05W3FE	<b>2186</b>	<b>45.3</b>	1.11	<b>84.1</b>	32.3	<b>6.2</b>	4.8
Deltapine	DP 1835 B3XF	<b>2096</b>	<b>43.9</b>	<b>1.20</b>	<b>84.9</b>	31.3	4.2	4.4
CROPLAN	9608 B3XF	<b>2057</b>	<b>44.8</b>	1.19	<b>85.3</b>	30.4	4.1	4.5
Dyna-Gro	DG 3570 B3XF	<b>2002</b>	41.8	1.15	<b>84.4</b>	31.1	<b>6.2</b>	<b>5.1</b>
Dyna-Gro	DG 3615 B3XF	<b>1952</b>	<b>43.7</b>	1.14	<b>83.0</b>	32.4	4.8	4.4
Deltapine	DP 1851 B3XF	1943	42.1	1.19	<b>84.1</b>	32.9	<b>6.1</b>	4.6
Dyna-Gro	DG 3605 B2XF	1935	42.1	<b>1.24</b>	<b>84.4</b>	29.9	5.7	4.5
Dyna-Gro	DGX 1901 GLTP	1899	<b>44.4</b>	1.18	<b>83.5</b>	30.6	<b>6.5</b>	4.7
Deltapine	DP 1646 B2XF	1891	42.4	<b>1.25</b>	<b>85.0</b>	30.2	<b>5.9</b>	4.4
Stoneville	ST 5600B2XF	1880	42.0	<b>1.21</b>	<b>85.0</b>	32.9	5.7	<b>5.2</b>
Dyna-Gro	DG 3753 B3XF	1874	<b>44.1</b>	1.19	<b>85.0</b>	<b>33.7</b>	<b>6.0</b>	4.8
CROPLAN	3885 B2XF	1871	42.6	1.16	<b>83.8</b>	29.7	<b>6.2</b>	4.7
WinField United	19XG9 B3XF	1828	<b>43.6</b>	<b>1.24</b>	<b>84.2</b>	29.9	4.6	4.4
PhytoGen	PHY 500 W3FE	1822	43.0	1.19	<b>84.9</b>	<b>35.1</b>	4.0	4.2
Stoneville	ST 5471GLTP	1805	40.6	1.17	<b>83.4</b>	32.6	4.9	4.4
PhytoGen	PX3D32W3FE	1802	42.4	1.18	<b>84.0</b>	<b>33.2</b>	5.2	4.3
PhytoGen	PHY 580 W3FE	1795	<b>43.5</b>	1.18	<b>84.8</b>	32.0	5.3	4.7
PhytoGen	PX5C45W3FE	1783	<b>44.0</b>	1.13	<b>83.8</b>	32.7	5.5	4.6
NexGen	NG 5007 B2XF	1774	40.7	1.18	<b>83.9</b>	28.9	5.8	4.5
Stoneville	ST 6182GLT	1760	<b>43.7</b>	1.16	<b>83.7</b>	30.2	5.4	4.8
PhytoGen	PX3D43W3FE	1752	42.6	1.16	<b>83.6</b>	<b>33.7</b>	5.2	4.4
PhytoGen	PX5E34W3FE	1736	39.7	1.19	<b>84.2</b>	<b>33.8</b>	4.8	3.9
PhytoGen	PHY 400 W3FE	1731	42.0	1.16	<b>84.1</b>	31.9	4.9	4.5
Stoneville	ST 5707B2XF	1726	38.5	1.19	<b>83.3</b>	<b>33.3</b>	5.1	4.7
PhytoGen	PHY 480 W3FE	1715	40.3	1.16	<b>85.1</b>	31.3	<b>5.9</b>	4.5
PhytoGen	PHY 350 W3FE	1704	40.9	1.19	<b>85.6</b>	31.2	5.0	4.8
NexGen	NG 5711 B3XF	1694	40.6	<b>1.21</b>	<b>84.9</b>	32.1	5.1	4.2
Dyna-Gro	DGX 19731 GLTP	1693	40.1	<b>1.23</b>	<b>84.3</b>	30.8	5.6	4.5
Deltapine	DP 1840 B3XF	1663	38.6	<b>1.22</b>	<b>85.0</b>	30.9	5.4	4.5
Dyna-Gro	DG 18507-C B3XF	1635	40.5	1.14	<b>84.8</b>	31.0	5.8	4.7
Dyna-Gro	DG 3520 B3XF	1612	38.8	<b>1.24</b>	<b>85.5</b>	32.4	<b>5.9</b>	4.2
PhytoGen	PHY 340 W3FE	1593	<b>43.2</b>	1.19	<b>85.3</b>	31.5	4.4	4.4
PhytoGen	PX5E28W3FE	1562	37.8	1.17	<b>83.4</b>	33.0	5.7	4.0
Stoneville	ST 5818GLT	1508	38.8	1.17	<b>84.2</b>	31.9	4.3	4.5
AVERAGES		1802	41.9	1.18	84.4	31.8	5.3	4.5
L.S.D.		235	2.1	0.05	NS	1.9	0.6	0.3
C.V. (%)		11.1	4.3	2.5	1.3	3.6	6.7	3.9
STD. ERROR OF ENTRY MEAN		100.1	DF=99					

Bold numbers are not statistically different.

Planting Date:5/23/19  
Harvest Date:10/24/19

2019 DRY LAND COTTON TRIAL - EDISTO REC - BLACKVILLE, SC  
EARLY MATURING VARIETIES

COMPANY OR BRAND NAME	VARIETY OR STRAIN	LINT YIELD (LB/A)	LINT PERCENT (%)	UHM LENGTH (IN)	M/UHM		ELONGATION	MIKE (READING)
					UNIF. RATIO (PCT)	FIBER STRENGTH (G/TEX)		
PhytoGen	PX5C05W3FE	<b>1268</b>	<b>44.0</b>	1.15	<b>83.9</b>	30.8	<b>6.2</b>	4.5
Deltapine	DP 1646 B2XF	<b>1250</b>	<b>42.3</b>	<b>1.26</b>	<b>83.1</b>	28.8	<b>6.1</b>	4.5
PhytoGen	PHY 580 W3FE	<b>1238</b>	<b>44.1</b>	1.17	<b>84.4</b>	30.8	5.6	4.5
Dyna-Gro	DG 3530 B3XF	<b>1214</b>	<b>44.6</b>	1.20	<b>83.5</b>	<b>31.3</b>	4.7	<b>5.0</b>
PhytoGen	PHY 480 W3FE	<b>1211</b>	41.0	1.17	<b>85.4</b>	29.4	<b>6.2</b>	4.2
PhytoGen	PX5C45W3FE	<b>1204</b>	40.2	1.15	<b>84.0</b>	<b>32.1</b>	5.6	4.5
CROPLAN	9178 B3XF	<b>1200</b>	<b>43.2</b>	1.21	<b>85.2</b>	<b>32.8</b>	4.4	<b>4.9</b>
PhytoGen	PX3D43W3FE	<b>1198</b>	<b>41.5</b>	1.17	<b>84.3</b>	<b>32.5</b>	5.1	4.5
Stoneville	ST 4550GLTP	<b>1191</b>	<b>42.0</b>	1.18	<b>84.1</b>	31.2	<b>6.1</b>	<b>4.9</b>
Deltapine	DP 1725 B2XF	<b>1179</b>	<b>43.9</b>	1.20	<b>84.2</b>	30.2	4.1	4.8
Stoneville	ST 5600B2XF	<b>1163</b>	40.1	1.17	<b>84.3</b>	31.1	5.5	<b>5.1</b>
PhytoGen	PHY 500 W3FE	<b>1160</b>	<b>41.8</b>	1.20	<b>84.5</b>	<b>33.0</b>	3.9	3.9
PhytoGen	PX5E28W3FE	<b>1148</b>	38.8	1.20	<b>84.1</b>	<b>31.6</b>	5.1	4.0
Deltapine	DP 1916 B3XF	<b>1143</b>	39.9	1.18	<b>84.6</b>	<b>32.3</b>	4.6	4.8
PhytoGen	PHY 340 W3FE	<b>1131</b>	<b>41.3</b>	1.20	<b>85.1</b>	<b>31.8</b>	4.8	4.6
PhytoGen	PX3D32W3FE	<b>1123</b>	<b>41.3</b>	<b>1.23</b>	<b>83.7</b>	<b>31.5</b>	5.2	4.8
PhytoGen	PHY 400 W3FE	<b>1106</b>	<b>41.8</b>	1.19	<b>85.0</b>	<b>31.5</b>	4.8	4.6
Stoneville	ST 5471GLTP	<b>1098</b>	39.2	1.20	<b>83.7</b>	<b>31.8</b>	4.7	4.5
PhytoGen	PHY 350 W3FE	<b>1093</b>	40.3	1.19	<b>85.2</b>	31.0	5.8	4.8
Dyna-Gro	DG 3520 B3XF	<b>1091</b>	<b>41.3</b>	<b>1.26</b>	<b>85.7</b>	<b>31.9</b>	<b>6.6</b>	4.0
PhytoGen	PX5E34W3FE	<b>1081</b>	37.8	1.16	<b>84.7</b>	<b>32.2</b>	4.8	4.1
NexGen	NG 3729 B2XF	<b>1057</b>	38.8	1.22	<b>85.1</b>	29.7	<b>6.2</b>	<b>4.9</b>
Stoneville	ST 5122GLT	<b>1056</b>	38.8	1.19	<b>82.8</b>	29.8	4.7	4.4
NexGen	NG 4689 B2XF	<b>997</b>	37.4	1.16	<b>83.9</b>	<b>32.4</b>	3.5	4.7
AVERAGES		1150	41.1	1.19	84.3	31.3	5.2	4.6
L.S.D.		NS	3.5	0.04	NS	1.8	0.5	0.3
C.V. (%)		11.0	7.3	2.1	1.4	3.4	5.9	4.1
STD. ERROR OF ENTRY MEAN		62.9	DF=69					

Bold numbers are not statistically different.

Planting Date:6/5/19  
Harvest Date:11/21/19

2019 DRY LAND COTTON TRIAL - EDISTO REC - BLACKVILLE, SC  
LATER MATURING VARIETIES

COMPANY OR BRAND NAME	VARIETY OR STRAIN	LINT YIELD (LB/A)	LINT PERCENT (%)	UHM LENGTH (IN)	M/UHM		ELONGATION	MIKE (READING)
					UNIF. RATIO (PCT)	FIBER STRENGTH (G/TEX)		
Dyna-Gro	DG 18507-C B3XF	<b>1319</b>	<b>44.2</b>	1.13	82.8	28.2	<b>6.4</b>	4.6
Stoneville	ST 5600B2XF	<b>1204</b>	<b>44.4</b>	1.14	83.0	31.2	6.0	<b>4.9</b>
Dyna-Gro	DGX 1901 GLTP	<b>1196</b>	<b>44.0</b>	1.14	82.3	29.9	5.3	<b>4.7</b>
Deltapine	DP 1851 B3XF	<b>1192</b>	<b>40.8</b>	1.16	83.4	<b>32.7</b>	<b>6.1</b>	4.5
Dyna-Gro	DG 3615 B3XF	<b>1192</b>	<b>43.4</b>	1.16	82.2	31.2	5.1	4.5
PhytoGen	PHY 340 W3FE	<b>1183</b>	<b>43.3</b>	1.14	83.0	29.4	4.6	4.6
CROPLAN	3885 B2XF	<b>1175</b>	<b>41.3</b>	1.11	83.2	28.5	<b>6.7</b>	<b>4.8</b>
Deltapine	DP 1840 B3XF	<b>1162</b>	<b>40.7</b>	<b>1.20</b>	82.5	29.5	4.9	4.4
PhytoGen	PX3D43W3FE	<b>1159</b>	<b>42.8</b>	1.14	83.9	<b>33.3</b>	5.3	4.5
PhytoGen	PX5C05W3FE	<b>1159</b>	<b>44.2</b>	1.10	84.7	<b>31.8</b>	<b>6.4</b>	4.6
PhytoGen	PX5E28W3FE	<b>1156</b>	<b>43.8</b>	1.14	83.7	<b>32.3</b>	5.7	4.0
Deltapine	DP 1646 B2XF	<b>1151</b>	<b>43.1</b>	<b>1.18</b>	82.4	28.3	<b>6.4</b>	4.6
PhytoGen	PX5C45W3FE	<b>1144</b>	<b>43.9</b>	1.13	83.6	30.5	5.8	4.6
Dyna-Gro	DG 3753 B3XF	<b>1135</b>	<b>43.7</b>	1.12	83.3	30.7	5.7	<b>4.8</b>
Dyna-Gro	DG 3570 B3XF	<b>1126</b>	<b>41.3</b>	1.12	83.3	29.7	5.9	<b>4.9</b>
CROPLAN	9608 B3XF	<b>1112</b>	<b>43.0</b>	1.13	81.5	27.5	4.6	4.5
Stoneville	ST 5471GLTP	<b>1106</b>	<b>41.9</b>	1.14	81.0	30.0	5.0	4.5
PhytoGen	PHY 350 W3FE	<b>1105</b>	<b>41.8</b>	1.14	82.7	29.5	5.6	4.6
Stoneville	ST 6182GLT	<b>1096</b>	<b>44.4</b>	1.12	83.4	28.4	6.0	4.6
PhytoGen	PX5E34W3FE	<b>1093</b>	<b>38.6</b>	1.14	84.1	<b>32.3</b>	5.4	4.1
PhytoGen	PHY 480 W3FE	<b>1083</b>	<b>43.0</b>	1.12	83.8	30.5	<b>6.5</b>	4.3
NexGen	NG 5007 B2XF	<b>1067</b>	<b>41.3</b>	1.11	81.8	27.2	<b>6.4</b>	4.5
Dyna-Gro	DGX 19731 GLTP	<b>1065</b>	<b>40.5</b>	<b>1.21</b>	82.6	29.8	5.3	4.5
PhytoGen	PHY 580 W3FE	<b>1065</b>	<b>43.2</b>	1.13	83.5	<b>31.9</b>	5.4	<b>4.7</b>
PhytoGen	PHY 400 W3FE	<b>1060</b>	<b>40.7</b>	1.15	83.2	31.6	4.8	4.6
PhytoGen	PX3D32W3FE	<b>1058</b>	<b>44.1</b>	<b>1.19</b>	83.3	<b>32.0</b>	4.8	4.6
Deltapine	DP 1835 B3XF	<b>1048</b>	<b>44.7</b>	1.16	82.8	29.9	4.0	4.6
NexGen	NG 5711 B3XF	<b>1035</b>	<b>40.5</b>	<b>1.18</b>	83.2	30.6	5.1	4.3
Stoneville	ST 5818GLT	<b>1022</b>	<b>39.5</b>	1.14	83.1	29.5	4.5	4.6
Dyna-Gro	DG 3605 B2XF	<b>1017</b>	<b>41.7</b>	1.17	82.0	28.0	<b>6.4</b>	4.5
WinField United	19XG9 B3XF	<b>1013</b>	<b>44.7</b>	<b>1.20</b>	83.5	28.5	4.7	4.3
Stoneville	ST 5707B2XF	<b>1001</b>	<b>37.2</b>	1.16	83.7	31.6	4.9	<b>4.7</b>
PhytoGen	PHY 500 W3FE	<b>974</b>	<b>40.3</b>	1.12	82.0	<b>31.8</b>	4.3	4.1
Dyna-Gro	DG 3520 B3XF	<b>908</b>	<b>40.8</b>	<b>1.23</b>	85.0	31.7	<b>6.4</b>	3.9
AVERAGES		1105	42.3	1.15	83.0	30.3	5.5	4.5
L.S.D.		NS	NS	0.06	NS	1.7	0.7	0.3
C.V. (%)		12.3	7.5	3.0	1.8	3.6	7.6	3.8
STD. ERROR OF ENTRY MEAN		68.2 DF=99						

Bold numbers are not statistically different.

Planting Date:6/5/19  
Harvest Date:11/21/19