

University of Missouri -FDRC
Clarkton Official Cotton Variety Trial
Location: Clarkton, MO / MU Rhodes Farm
Investigators: Dr. Gene Stevens / Matthew Rhine
Planted May 8, 2017
Harvested October 2, 2017

<b>Cultivar</b>	<b>Lint Yld (lb/ac)</b>	<b>Turnout</b>	<b>MIC</b>	<b>LENGTH</b>	<b>UNIF.</b>	<b>STRENGTH</b>	<b>ELON.</b>	<b>Rd</b>	<b>+b</b>	<b>LEAF</b>
PHY 340 W3FE	766	0.39	4.71	1.21	84.4	31.9	6.2	78.7	7.6	3.3
DP 1823NR B2XF	731	0.39	4.48	1.22	85.3	33.1	7.8	78.4	7.5	4.3
PHY 480 W3FE	709	0.38	4.50	1.18	84.5	32.0	8.1	79.8	7.7	2.5
PX3A99W3FE	708	0.39	4.71	1.20	84.9	32.5	6.7	79.4	7.9	2.0
PX3A82W3FE	685	0.37	4.40	1.17	85.2	33.6	7.6	80.1	7.2	3.5
PX3A96W3FE	673	0.37	4.54	1.21	84.7	31.9	6.8	80.9	7.0	2.5
PHY 300 W3FE	660	0.40	4.62	1.19	83.8	32.6	6.4	79.3	7.9	2.0
PX4A57W3FE	606	0.41	4.49	1.14	82.7	32.5	7.7	78.1	8.3	3.0
Winfield 17XC8 B3XF	604	0.42	4.59	1.21	84.3	30.5	5.6	78.2	7.6	2.8
UA 222	597	0.37	4.84	1.22	83.3	32.8	7.7	79.1	7.2	3.0
DP 1725 B2XF	590	0.41	4.77	1.23	83.8	31.9	5.6	80.7	7.3	1.8
ST 4946GLB2	589	0.37	4.72	1.20	84.1	34.0	6.8	78.4	7.7	2.7
ST 5517GLTP	563	0.37	4.40	1.23	83.4	33.7	6.2	80.2	7.1	2.3
NG 3406 B2XF	563	0.38	4.75	1.18	84.2	31.6	7.6	79.6	7.6	1.8
PHY 444 WRF	562	0.39	4.22	1.28	86.3	33.4	6.3	80.4	7.6	2.5
ST 5020GLT	560	0.36	4.52	1.22	84.0	34.2	6.9	79.1	7.1	3.0
PHY 440 W3FE	558	0.37	4.23	1.24	84.5	36.1	6.3	79.0	7.9	2.8
CG 3572 B2XF	557	0.40	5.12	1.20	83.9	30.5	7.1	78.2	7.7	4.3
PHY 312 WRF	547	0.38	4.72	1.21	85.2	32.5	6.7	79.0	7.4	2.8
PHY 330 W3FE	545	0.40	4.61	1.20	84.0	32.1	6.2	79.0	7.8	2.8
ST 4949GLT	506	0.42	4.67	1.18	84.0	32.2	7.0	79.0	7.4	2.8
NG 3522 B2XF	498	0.39	4.57	1.16	83.7	30.2	6.5	80.2	7.6	1.5
PX4A54W3FE	494	0.39	4.64	1.17	84.5	33.0	6.9	78.9	8.1	1.8
DG 3385 B2XF	492	0.38	4.95	1.18	83.8	32.0	7.8	79.7	7.9	1.8
PX2A28W3FE	488	0.36	4.49	1.24	84.7	33.0	5.2	79.6	7.0	3.0
DG 3109 B2XF	488	0.37	4.71	1.21	85.3	33.1	7.2	79.4	6.9	4.3
DP 1522 B2XF	484	0.38	4.97	1.21	84.5	32.4	8.0	79.5	7.6	2.5

NG 4601 B2XF	482	0.40	4.91	1.23	85.0	34.3	6.2	81.2	7.1	1.5
DP 1820 B3XF	476	0.38	4.80	1.25	84.4	32.1	5.3	80.9	7.2	3.0
DP 1614 B2XF	472	0.40	5.06	1.21	84.6	31.4	7.4	78.0	7.8	3.8
NG 3699 B2XF	460	0.34	4.64	1.22	83.3	33.2	5.4	78.6	7.7	2.8
DP 1612 B2XF	449	0.37	4.59	1.23	84.9	33.1	7.8	78.6	7.5	3.3
CG 3475 B2XF	432	0.38	4.80	1.19	83.8	33.6	7.6	77.8	7.8	3.5
BRS-335	416	0.34	4.69	1.20	83.6	32.5	6.3	79.4	6.8	3.5
DP 1518 B2XF	398	0.36	4.52	1.17	83.3	30.8	6.5	78.8	7.1	3.5
CPS17330 B3XF	372	0.40	4.87	1.23	85.5	35.3	6.8	78.9	7.9	2.3
BRS-293	371	0.36	5.05	1.19	84.4	35.3	6.6	78.7	7.7	1.7
PHY 450 W3FE	370	0.38	4.77	1.17	85.0	34.9	7.7	78.1	8.1	2.3
ST 4848GLT	359	0.40	4.87	1.19	84.1	32.9	6.3	78.3	7.6	3.0
CPS16214 B2XF	346	0.37	5.04	1.17	84.0	31.4	7.7	77.8	7.8	3.0
PHY 490 W3FE	337	0.38	4.52	1.20	85.1	34.9	7.5	79.7	7.5	2.7
BRS-286	284	0.34	4.93	1.17	83.3	34.0	5.7	79.4	7.4	2.3
CPS 161206D B2XF	173	0.34	5.13	1.26	86.2	34.7	6.8	77.8	8.0	2.5
<b>Grand Mean</b>	<i>512</i>	<i>0.38</i>	<i>4.7</i>	<i>1.2</i>	<i>84.3</i>	<i>32.8</i>	<i>6.8</i>	<i>79.2</i>	<i>7.5</i>	<i>2.7</i>
<b>LSD (<math>\alpha = 0.05</math>)</b>	<i>180</i>	<i>0.02</i>	<i>0.17</i>	<i>0.03</i>	<i>1.15</i>	<i>1.4</i>	<i>0.5</i>	<i>1</i>	<i>0.28</i>	<i>1.1</i>
<b>CV (%)</b>	<i>24.7</i>	<i>3.5</i>	<i>2.6</i>	<i>1.6</i>	<i>0.96</i>	<i>2.9</i>	<i>5.2</i>	<i>0.88</i>	<i>2.6</i>	<i>29.3</i>