

University of Missouri -FDRC
Portageville Silt Loam Irrigated Official Cotton Variety Trial
Location: Portageville, MO / MU Lee Farm
Investigators: Dr. Gene Stevens / Matthew Rhine
Planted May 11, 2017
Harvested October 16, 2017

Cultivar	Lint Yld (lb/ac)	Turnout	MIC	LENGTH	UNIF.	STRENGTH	ELON.	Rd	+b	LEAF
ST 4949GLT	1992	0.44	4.61	1.20	83.2	30.3	6.7	76.4	7.4	4.8
PHY 330 W3FE	1778	0.40	4.26	1.23	83.5	31.3	5.4	75.9	7.3	4.5
ST 4946GLB2	1777	0.37	4.68	1.24	84.0	33.8	6.0	76.1	7.6	4.8
ST 5020GLT	1776	0.37	4.47	1.28	84.0	32.2	6.2	76.1	7.2	4.8
DP 1820 B3XF	1775	0.41	4.66	1.29	83.9	33.6	4.8	77.8	6.7	4.3
DP 1518 B2XF	1774	0.38	4.30	1.26	84.1	30.9	5.7	75.9	6.6	5.8
ST 4848GLT	1743	0.40	4.91	1.22	83.7	31.5	5.7	75.4	7.3	5.5
PHY 340 W3FE	1718	0.41	4.36	1.22	83.4	30.0	5.7	76.8	7.5	4.8
DP 1612 B2XF	1716	0.37	4.33	1.24	83.7	32.5	6.8	75.8	7.1	6.0
PX4A57W3FE	1716	0.41	4.14	1.16	83.9	31.9	6.7	75.6	8.0	5.3
PX3A99W3FE	1693	0.39	4.27	1.23	84.3	32.0	6.1	77.2	7.2	4.8
DP 1522 B2XF	1685	0.38	4.62	1.21	83.5	31.1	7.5	76.6	7.1	5.3
ST 5517GLTP	1662	0.37	4.08	1.24	82.5	33.1	5.8	79.4	6.8	4.0
PHY 300 W3FE	1632	0.40	4.40	1.21	84.3	31.3	5.7	77.1	7.6	4.3
PX3A96W3FE	1626	0.37	4.05	1.23	83.7	31.0	6.1	77.8	6.9	5.0
DP 1725 B2XF	1626	0.41	4.30	1.25	83.4	32.0	5.0	78.3	6.9	3.0
PHY 312 WRF	1618	0.38	4.23	1.23	84.1	31.1	5.9	76.8	7.1	4.5
DG 3385 B2XF	1611	0.39	4.64	1.21	83.8	29.8	6.8	76.9	7.6	4.5
PX3A82W3FE	1610	0.38	3.88	1.21	84.9	33.1	6.6	77.2	6.9	5.5
DP 1614 B2XF	1601	0.41	4.78	1.26	84.2	30.6	6.3	74.9	7.1	5.5
Winfield 17XC8 B3XF	1579	0.41	4.11	1.25	83.3	31.1	5.2	76.7	7.3	5.3
DP 1823NR B2XF	1570	0.40	4.19	1.27	84.7	32.1	7.0	75.9	7.2	6.3
NG 3522 B2XF	1565	0.40	4.40	1.19	83.3	30.0	6.0	78.0	7.4	3.5
PHY 444 WRF	1560	0.38	3.72	1.32	84.0	32.3	5.0	78.0	7.5	3.8
DG 3109 B2XF	1549	0.38	4.20	1.23	83.8	32.0	6.4	75.8	6.6	7.0
UA 222	1512	0.36	4.31	1.28	83.9	32.2	7.1	76.9	6.9	5.5
CPS17330 B3XF	1509	0.46	4.29	1.26	84.4	33.1	6.3	77.6	7.5	3.5

PHY 490 W3FE	1505	0.39	4.47	1.22	84.9	33.8	7.0	76.9	7.3	4.8
PHY 480 W3FE	1473	0.38	3.84	1.22	84.0	31.0	6.9	76.8	7.4	6.0
PX4A54W3FE	1461	0.39	4.15	1.21	84.6	33.2	6.3	76.5	7.6	4.5
PHY 450 W3FE	1458	0.39	4.43	1.22	84.7	34.4	6.5	75.9	7.7	4.5
CG 3475 B2XF	1454	0.37	4.03	1.21	84.1	31.8	6.9	75.3	7.0	5.5
CPS 161206D B2XF	1441	0.40	4.93	1.30	85.0	32.9	6.0	74.5	7.5	7.3
CPS16214 B2XF	1430	0.38	4.34	1.24	84.4	30.7	6.6	75.9	7.3	4.5
PHY 440 W3FE	1415	0.39	3.75	1.28	83.7	34.1	5.2	76.9	7.3	4.5
CG 3572 B2XF	1410	0.41	4.51	1.24	83.7	30.6	6.5	75.5	7.1	5.8
PX2A28W3FE	1395	0.37	3.75	1.26	83.3	34.0	4.5	77.9	7.0	5.5
NG 3699 B2XF	1386	0.35	4.23	1.28	82.9	33.1	4.7	76.0	7.4	4.8
NG 4601 B2XF	1385	0.40	4.40	1.25	84.3	33.4	5.7	78.8	6.8	3.5
NG 3406 B2XF	1323	0.37	3.97	1.20	83.5	31.1	6.6	77.6	7.1	4.8
BRS-335	1200	0.37	4.19	1.26	84.0	31.6	5.9	77.2	6.7	6.0
BRS-293	1115	0.36	4.76	1.21	83.8	34.2	5.9	76.8	7.6	3.3
BRS-286	838	0.35	4.46	1.22	84.1	33.5	5.3	77.2	7.5	4.5
Grand Mean	<i>1550</i>	<i>0.39</i>	<i>4.31</i>	<i>1.24</i>	<i>83.9</i>	<i>32.1</i>	<i>6.1</i>	<i>76.7</i>	<i>7.2</i>	<i>4.9</i>
LSD ($\alpha = 0.05$)	<i>257</i>	<i>0.02</i>	<i>0.4</i>	<i>0.02</i>	<i>0.8</i>	<i>1.18</i>	<i>0.5</i>	<i>0.8</i>	<i>0.3</i>	<i>1.4</i>
CV (%)	<i>11.8</i>	<i>4.1</i>	<i>6.6</i>	<i>1.3</i>	<i>0.7</i>	<i>2.6</i>	<i>6</i>	<i>0.7</i>	<i>3.4</i>	<i>21</i>