2018 Cotton Performance Testing Results

University of Missouri-Fisher Delta Research Center

Clarkton OVT

Location: Clarkton, MO

Investigator: Calvin Meeks

Planted May 21, 2018
Harvested November 13, 2018

Note: No significant differences were noted between varieties on yield or fiber quality parameters, turnout was significant, P=0.0052.

Variety	Lint Yield (lb/ac)	Turnout		Mic	Length	Uniformity	Strength	Rd	+b	Leaf	Staple
PHY 480 W3FE	1437	39.6	ABCDEFGHIJKL	4.3	1.21	84.1	30.7	67.4	8.2	8.0	38.8
PX5B73W3FE	1376	39.8	ABCDEFGHIJKL	4.0	1.21	84.6	33.0	65.6	7.9	8.0	38.6
ST 5471GLTP	1316	38.6	CDEFGHIJKL	4.6	1.19	82.5	31.6	66.8	7.3	7.3	38.2
CPS 18817 B3XF	1298	40.5	ABCDEFGHIJ	4.6	1.20	84.6	31.6	64.6	8.0	8.0	38.3
DP 1725 B2XF	1287	41.2	ABCDEFG	4.9	1.19	83.4	30.2	67.7	7.7	7.7	38.2
CPS 18504-D	1253	38.5	CDEFGHIJKL	4.1	1.23	83.9	30.0	69.0	7.3	7.7	39.4
NG 4689 B2XF	1233	39.9	ABCDEFGHIJKL	4.8	1.20	82.9	32.6	65.0	8.1	8.0	38.5
CPS 18506-D	1212	41.5	ABCDEF	4.6	1.19	84.6	30.1	66.0	8.2	8.0	38.0
ST 5122 GLT	1187	37.3	GHIJKLM	4.5	1.21	82.8	30.0	68.7	7.3	8.0	38.6
ST 4949 GLT	1164	42.2	ABCD	4.6	1.18	82.6	29.5	66.7	8.0	8.0	37.8
CPS 18501-B	1066	36.5	JKLM	3.9	1.27	84.1	32.3	58.4	7.2	8.0	40.7
DP 1518 B2XF	1061	40.4	ABCDEFGHIJK	4.4	1.21	84.2	31.0	68.5	7.4	8.0	38.8
DG 3214 B2XF	1056	38.7	CDEFGHIJKL	4.8	1.23	85.0	30.8	68.2	8.3	7.7	39.4
NG 3699 B2XF	1052	37.1	HIJKLM	4.8	1.25	83.9	32.3	59.7	7.7	8.0	40.1
PX4A64W3FE	1049	40.9	ABCDEFGH	4.4	1.18	84.8	33.8	67.4	8.2	8.0	37.8
PHY 340 W3FE	1043	40.6	ABCDEFGHI	4.7	1.19	83.5	30.7	66.8	8.1	8.0	38.1
CPS 18507-D	1033	39.8	ABCDEFGHIJKL	4.9	1.20	83.9	30.9	65.1	8.3	7.7	38.4
DP 1614 B2XF	1002	40.0	ABCDEFGHIJKL	4.7	1.25	84.5	31.3	65.9	7.9	7.7	40.0
PHY 350 W3FE	999	39.6	ABCDEFGHIJKL	4.6	1.21	84.1	30.9	66.1	7.7	8.0	38.7
NG 3780 B2XF	986	38.4	DEFGHIJKL	5.0	1.24	84.6	31.9	63.3	8.1	8.0	39.6
CPS 1728 NR B2XF	975	39.2	ABCDEFGHIJKL	4.3	1.25	84.6	32.0	63.9	8.1	8.0	39.9

PHY 320 W3FE	960	38.6	CDEFGHIJKL	4.4	1.20	84.5	31.5	66.3	8.0	8.0	38.4
PHY 300 W3FE	955	41.6	ABCDEF	4.6	1.20	84.0	31.2	68.3	8.0	7.3	38.4
PHY 430 W3FE	943	43.2	AB	4.8	1.17	84.9	30.9	64.5	8.1	8.0	37.3
AMX 1801 B3XF	933	36.7	IJKLM	4.2	1.26	85.9	32.2	67.6	7.6	7.7	40.4
CROPLAN 3475	925	37.2	GHIJKLM	4.6	1.21	84.9	31.3	66.6	8.5	8.0	38.7
ST 5020 GLT	915	36.7	IJKLM	4.6	1.27	85.4	33.3	66.9	7.8	7.7	40.5
PX5C09W3FE	904	43.2	A	4.3	1.19	83.5	31.0	66.8	8.3	7.7	38.0
BX 1975GLTP	876	40.8	ABCDEFGHI	4.8	1.21	84.6	31.6	66.5	8.2	7.3	38.7
DG 3385 B2XF	866	36.4	KLM	4.6	1.19	83.6	29.4	67.5	8.2	7.7	38.2
PHY 312 WRF	865	40.3	ABCDEFGHIJK	4.6	1.23	85.1	30.8	63.5	8.0	8.0	39.5
PHY 330 W3FE	849	41.1	ABCDEFGH	4.2	1.20	83.6	31.5	66.0	8.0	8.0	38.4
CROPLAN 9178	849	42.6	ABC	4.9	1.23	85.3	33.9	68.2	8.2	7.0	39.5
DP 1820 B3XF	843	40.3	ABCDEFGHIJK	4.6	1.26	83.8	32.5	63.2	7.4	8.0	40.3
PHY 440 W3FE	839	39.0	BCDEFGHIJKL	4.3	1.27	84.5	35.0	66.4	8.1	8.0	40.6
PX4A69W3FE	838	41.7	ABCDE	4.0	1.21	83.4	31.0	66.2	8.0	8.0	38.8
17R818B3XF	837	38.6	CDEFGHIJKL	4.4	1.21	83.5	30.0	62.8	7.3	8.0	38.7
PHY 444 WRF	835	40.0	ABCDEFGHIJKL	4.3	1.30	84.6	30.6	66.1	7.6	8.0	41.7
17R821B3XF	834	39.4	ABCDEFGHIJKL	4.8	1.19	84.4	29.6	66.2	7.6	8.0	38.1
DG 3433 B2XF	822	41.5	ABCDEF	4.5	1.15	82.2	28.3	64.3	7.0	8.0	36.7
NG 4777 B2XF	814	33.7	M	4.5	1.24	84.0	32.3	65.4	8.1	8.0	39.6
BX 1976GLTP	784	41.7	ABCDE	4.9	1.21	83.6	31.1	65.6	7.6	8.0	38.7
ST 5818GLTP	782	37.5	FGHIJKLM	4.4	1.25	83.8	31.1	69.7	7.1	8.0	40.0
PX3C06W3FE	782	41.0	ABCDEFGH	4.7	1.20	83.4	30.5	66.4	7.5	7.7	38.4
BX 1974GLTP	760	40.6	ABCDEFGHI	5.1	1.24	84.7	30.5	67.3	7.8	7.0	39.6
PX5D28BW3FE	730	39.6	ABCDEFGHIJKL	4.3	1.19	84.6	34.4	66.0	8.0	8.0	38.2
DP 1823 NRB2XF	695	37.8	EFGHIJKLM	4.6	1.22	84.5	32.3	63.5	8.2	8.0	39.1
CROPLAN 9608	692	41.4	ABCDEF	4.1	1.21	83.9	29.7	66.7	8.0	7.7	38.8
BX 1973GLTP	679	42.5	ABC	4.7	1.21	84.6	31.7	70.0	7.9	6.7	38.7
PX3B07W3FE	674	38.9	CDEFGHIJKL	4.4	1.24	84.8	33.2	68.3	8.0	8.0	39.8
NG 3729 B2XF	646	40.9	ABCDEFGH	4.6	1.23	84.7	30.6	68.5	7.5	8.0	39.3
PX3B09W3FE	638	41.2	ABCDEFGH	4.6	1.23	84.1	33.1	66.1	8.0	7.7	39.5
CPS 18504-C	610	36.1	LM	3.9	1.23	82.5	28.3	58.8	7.0	8.0	39.3
17R931NRB3XF	567	38.3	DEFGHIJKL	4.1	1.20	84.4	30.5	61.4	8.2	8.0	38.5
NG 4601 B2XF	547	38.5	CDEFGHIJKL	4.6	1.23	84.2	32.7	68.4	7.2	7.3	39.4

ST 5517GLTP	524	38.8	CDEFGHIJKL	4.3	1.23	83.2	30.8	63.3	7.8	8.0	39.5
DP 1646 B2XF	433	40.5	ABCDEFGHIJ	4.0	1.30	83.5	30.2	65.7	7.5	8.0	41.6
WinField United 18XC9	314	37.3	GHIJKLM	4.3	1.27	82.9	31.9	66.8	6.9	8.0	40.6

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