

2015 Cotton Performance Testing Results

University of Missouri - Delta Center

Portageville Silt Dryland Variety Trial

Location: Portageville Lee Farm - Pemiscot County

Investigator: Andrea Phillips Jones

Planted May 6, 2015

Harvested September 30, 2015

	Yield	Turnout	MIC	LENGTH	UNIF.	STRENGTH	ELON.	Rd	+b	LEAF
PHY 333 WRF	1192 a	39 ab	4.3 c-i	1.16 c-g	83.3 b-g	32.5 c-i	6.8 jk	75.8 no	8.4 a-f	6 a-d
NG 3406 B2XF	1192 a	39 abc	4.4 b-h	1.13 hij	83.6 b-f	31.4 i-l	8.0 bcd	78.5 b-h	8.2 b-f	4 d-g
PHY 312 WRF	1174 ab	38 b-f	4.3 c-i	1.17 b-f	84.0 ab	33.6 bcd	7.5 fgh	77.0 i-n	8.1 fg	6 a-e
DG 2285 B2RF	1138 abc	37 b-g	4.6 a-d	1.14 ghi	83.2 b-g	31.6 g-k	7.9 b-e	77.9 d-k	8.4 a-e	5 c-g
ST 4946GLB2	1135 abc	37 d-h	4.3 c-i	1.15 e-i	83.1 c-i	33.3 b-e	7.6 d-h	76.7 k-o	8.2 def	7 abc
NG 3522 B2XF	1121 a-d	40 a	4.4 c-i	1.08 l	81.9 jk	29.5 mn	7.2 hij	77.9 d-k	8.6 a	4 fg
DP 1522 B2XF	1118 a-e	37 b-g	4.6 a-e	1.14 f-i	82.7 g-j	32.0 f-j	8.5 a	77.4 g-m	7.8 gh	6 a-e
DG 3385 B2XF	1112 a-e	38 b-e	4.6 abc	1.12 h-k	82.9 d-i	30.3 lm	8.1 abc	78.6 b-g	8.5 ab	4 g
ST 4747GLB2	1109 a-f	36 g-k	4.2 c-i	1.18 bc	82.3 h-k	31.2 jkl	5.6 m	78.0 c-j	7.2 ij	7 ab
PHY 339 WRF	1082 a-g	36 e-j	4.4 b-h	1.17 b-f	83.7 a-e	32.9 b-f	7.5 fgh	79.0 a-e	7.7 h	4 efg
NG 3405 B2XF	1076 a-g	37 b-g	4.2 e-i	1.09 kl	81.9 jk	29.1 n	7.3 hi	78.3 c-i	8.5 a-d	4 efg
DP 1612 B2XF	1076 a-g	36 e-i	4.3 c-i	1.13 ghi	82.9 e-i	32.6 c-h	8.0 bcd	75.7 o	8.1 fg	6 a-d
UA222	1058 b-h	34 klm	4.0 hi	1.22 a	83.5 b-f	33.9 b	8.1 abc	76.5 l-o	7.6 h	7 a
PHY 222 WRF	1049 c-i	36 g-k	4.9 a	1.12 h-k	83.8 abc	32.5 c-i	8.1 abc	76.3 mno	8.1 fg	6 a-f
DG CT 15426	1046 c-i	39 abc	4.5 a-g	1.14 ghi	83.2 b-h	30.7 kl	8.2 ab	78.1 c-j	8.2 def	4 d-g
PHY 496 W3RF	1040 c-i	37 b-g	4.3 c-i	1.13 hi	82.8 f-i	33.7 bcd	7.9 bcd	76.7 k-o	8.2 b-f	5 a-g
ST 5032GLT	1040 c-i	36 f-k	4.0 ij	1.18 bc	82.8 f-i	33.2 b-f	7.2 hij	77.7 f-l	8.1 fg	6 a-g
DP 1614 B2XF	1010 d-i	38 bcd	4.8 ab	1.18 bc	83.8 a-d	32.5 d-i	8.0 abc	76.2 mno	8.3 a-f	6 a-e
PHY 495 W3RF	1007 d-i	38 bcd	4.1 f-i	1.10 jkl	83.4 b-g	33.4 b-e	8.1 abc	77.9 e-k	8.5 abc	5 b-g
PHY 444 WRF	1001 d-i	37 b-g	3.6 k	1.22 a	84.5 a	33.7 bc	6.9 ijk	79.2 abc	8.2 c-f	5 c-g
DP 1518 B2XF	998 d-i	36 e-j	4.2 d-i	1.16 c-g	83.2 b-g	31.5 h-k	6.9 ijk	77.1 i-m	7.6 h	7 a
MON 15R513B2XF	995 e-i	37 d-h	4.4 b-i	1.18 bc	84.0 ab	32.7 b-g	7.5 e-h	76.6 k-o	8.0 fg	6 a-f
PHY 499 WRF	986 f-i	38 b-f	4.3 c-i	1.13 hij	83.2 b-g	33.0 b-f	8.1 abc	76.3 mno	8.3 a-f	6 a-d
ST 5115GLT	978 ghi	37 d-h	4.1 ghi	1.13 hij	82.3 ijk	33.0 b-f	7.4 fgh	79.1 a-d	7.5 hi	5 c-g
PHY 427 WRF	966 ghi	35 h-l	4.1 ghi	1.15 d-h	83.0 c-i	33.2 b-f	7.9 b-f	76.8 j-o	7.6 h	7 abc
ST 5289GLT	951 hi	36 e-j	4.4 b-h	1.12 ijk	81.8 k	31.2 jkl	6.5 kl	77.3 h-m	7.0 j	7 ab
FM 1944GLB2	942 hi	34 lm	4.1 f-i	1.20 b	82.6 g-j	33.4 b-e	6.2 l	80.0 a	7.1 j	6 a-g
HQ210CT	933 i	34 lm	4.4 b-i	1.13 ghi	82.9 d-i	33.1 b-f	7.4 gh	79.5 ab	7.7 h	4 efg
PHY 487 WRF	930 i	34 j-m	4.3 c-i	1.12 h-k	82.2 ijk	32.4 e-i	7.7 c-g	77.3 h-m	8.0 fg	6 a-g

BRS 335	820 j	35 i-m	3.7 jk	1.18 bcd	82.9 d-i	31.4 ijk	6.6 k	78.8 b-f	7.5 h	6 a-e
BRS 293	778 j	34 i-m	4.4 b-i	1.13 hi	83.2 b-g	35.1 a	7.6 d-h	77.6 f-l	8.6 a	5 c-g
ST 6182GLT	766 j	37 c-h	4.1 f-i	1.17 b-e	83.2 b-g	31.7 g-k	6.7 k	78.1 c-j	8.1 efg	6 a-d
BRS 286	712 j	33 m	4.5 a-f	1.13 ghi	82.7 g-j	33.4 b-e	6.9 ijk	77.7 f-l	8.1 fg	6 a-g
LSD (P=.05)	100.6	0.015	0.329	0.0247	0.707	0.996	0.366	1.061	0.284	1.7
Standard Deviation	71.9	0.01	0.235	0.0177	0.505	0.712	0.261	0.758	0.203	1.21
CV	7.07	2.87	5.46	1.54	0.61	2.2	3.51	0.98	2.54	22.17
Grand Mean	1016.1	0.36	4.3	1.15	83.04	32.37	7.43	77.62	7.98	5.46
Replicate F	7.321	14.438	0.318	2.503	4.199	0.499	2.314	2.182	0.616	0.68
Replicate Prob(F)	0.0002	0.0001	0.8123	0.0638	0.0077	0.6839	0.0808	0.0952	0.6061	0.5662
Treatment F	10.939	9.484	5.04	14.879	6.108	13.463	25.458	8.274	17.636	3.134
Treatment Prob(F)	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)										

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