

2015 Cotton Performance Testing Results

University of Missouri - Delta Center

Portageville Silt Irrigated Variety Trial

Location: Portageville

Investigator: Andrea Phillips Jones

Planted May 6, 2015
Harvested October 12, 2015

	Yield	Turnout	Mic	Length	Unif	Strng	Elong	Rd	+b	Leaf
ST 4747GLB2	1535 a	0.36 b-h	4.0 abc	1.23 c-f	83.4 b-g	31.5 ijk	6.0 t	80.4 a-f	7.2 jk	6 a-d
DP 1614 B2XF	1505 ab	0.39 a	4.0 ab	1.24 bcd	83.5 b-g	31.7 h-k	7.9 d-h	78.8 g-j	8.6 a	5 a-f
PHY 312 WRF	1448 abc	0.36 b-g	3.6 f-j	1.21 d-j	83.8 a-f	32.9 e-h	7.4 i-o	79.8 b-i	7.8 c-h	5 a-e
UA222	1383 bcd	0.33 ij	3.6 f-j	1.28 a	84.4 abc	33.1 d-g	8.1 cde	79.2 e-j	7.8 c-i	7 a
PHY 222 WRF	1380 b-e	0.35 d-i	4.2 a	1.18 jkl	84.7 a	32.7 e-j	8.5 ab	79.0 f-j	8.0 b-h	6 a-d
DG 3385 B2XF	1374 b-e	0.37 bcd	3.6 e-j	1.19 h-l	84.0 a-e	32.3 f-k	8.0 c-g	79.4 d-j	8.0 b-h	4 b-f
DP 1612 B2XF	1368 b-e	0.35 c-i	3.5 h-k	1.22 c-h	83.7 a-f	34.4 abc	7.7 e-j	78.4 hij	7.8 d-i	6 a-d
ST 4946GLB2	1350 b-f	0.36 b-i	3.9 a-e	1.20 f-l	84.3 a-d	34.3 a-d	7.7 e-j	79.1 f-j	8.1 a-g	6 a-d
DG 2285 B2RF	1347 b-f	0.36 b-i	3.7 c-i	1.20 f-l	83.8 a-f	31.5 jk	8.1 cde	79.0 f-j	7.9 c-h	6 a-e
DG CT 15426	1344 b-f	0.38 ab	3.9 a-d	1.17 lm	84.3 abc	31.3 k	8.7 a	80.0 b-h	8.2 a-f	5 a-e
NG 3405 B2XF	1341 b-f	0.37 bc	3.5 g-k	1.15 mn	82.7 fgh	29.0 l	7.2 k-p	80.9 a-d	8.1 a-h	4 c-f
NG 3406 B2XF	1302 c-g	0.34 hij	3.7 c-i	1.19 i-l	83.8 a-f	32.4 f-k	7.8 d-i	80.9 a-d	8.1 a-h	3 f
DP 1522 B2XF	1299 c-h	0.36 b-i	3.7 d-j	1.21 e-k	83.7 a-f	33.2 c-g	8.3 bc	78.9 f-j	7.7 e-i	6 abc
MON 15R513B2XF	1296 c-h	0.36 b-i	3.7 c-i	1.24 bcd	84.2 a-d	32.1 g-k	7.5 h-n	78.6 hij	7.8 c-i	6 a-d
ST 5032GLT	1293 c-h	0.35 c-i	3.4 jkl	1.25 bc	82.9 e-h	32.5 e-k	7.5 i-n	79.8 b-i	7.8 d-i	6 a-d
PHY 339 WRF	1282 c-h	0.35 e-j	3.8 b-h	1.24 cde	84.1 a-d	32.5 e-k	7.4 i-o	80.4 a-g	7.6 g-j	6 a-e
PHY 333 WRF	1276 d-h	0.36 b-f	3.5 ijk	1.22 c-g	83.5 b-g	32.5 e-k	7.1 n-q	78.0 j	8.2 a-f	6 a-e
AMDG-7824	1264 d-h	0.36 b-i	3.6 g-k	1.15 n	82.4 gh	30.0 l	7.5 i-n	79.7 c-j	8.5 ab	4 def
PHY 496 W3RF	1263 d-h	0.36 b-f	3.8 b-h	1.19 i-l	84.5 ab	33.7 a-e	8.2 bcd	78.7 g-j	8.3 abc	5 a-f
PHY 495 W3RF	1240 d-i	0.37 b-e	3.4 ijk	1.14 n	83.8 a-f	33.8 a-e	7.9 d-h	79.8 b-i	8.2 a-f	5 a-f

PHY 444 WRF	1222 d-i	0.37 bcd	3.0 m	1.27 ab	83.7 a-f	33.2 c-g	6.8 qr	81.1 abc	7.9 c-h	4 c-f
DP 1518 B2XF	1210 e-i	0.36 b-i	3.3 kl	1.21 e-k	83.1 d-h	31.6 ijk	7.0 o-r	79.8 b-i	7.3 ijk	7 a
ST 5289GLT	1192 f-i	0.35 f-j	3.5 h-k	1.20 f-l	82.2 h	31.2 k	6.6 rs	80.0 b-h	7.0 k	7 ab
ST 5115GLT	1191 f-i	0.36 b-h	3.6 f-j	1.19 h-l	83.3 c-g	33.3 c-g	7.8 d-i	81.1 abc	7.6 g-j	5 a-e
PHY 499 WRF	1180 f-i	0.37 bcd	3.8 b-h	1.19 h-l	83.8 a-f	34.5 abc	8.0 c-f	78.2 ij	8.3 a-d	6 a-d
FM 1944GLB2	1159 g-j	0.34 g-j	4.0 abc	1.25 bc	83.9 a-e	33.5 b-f	6.3 st	81.9 a	7.6 hij	5 a-f
PHY 427 WRF	1141 g-j	0.35 d-i	3.1 lm	1.22 c-i	84.0 a-e	32.8 e-i	7.5 g-m	79.2 e-j	7.7 f-i	7 ab
PHY 487 WRF	1133 hij	0.34 f-j	3.4 jkl	1.18 jkl	83.4 b-g	33.8 a-e	7.6 f-k	78.5 hij	7.9 c-h	6 a-d
ST 6182GLT	1094 ijk	0.39 a	3.8 b-g	1.18 jkl	83.3 b-g	31.2 k	7.3 j-p	81.4 ab	8.2 a-f	3 ef
HQ210CT	1013 jkl	0.33 j	3.8 b-g	1.18 kl	84.0 a-e	34.3 a-d	7.6 f-l	80.8 a-e	8.0 b-h	4 b-f
BRS 335	951 klm	0.34 hij	3.4 ijk	1.21 d-j	83.6 a-f	33.4 b-g	7.1 m-q	79.1 f-j	8.0 b-h	6 a-d
BRS 286	939 lm	0.34 hij	3.9 b-f	1.19 g-l	83.8 a-f	34.6 ab	6.9 pqr	79.1 f-j	8.2 a-e	6 a-e
BRS 293	843 m	0.34 g-j	3.6 f-j	1.20 f-l	83.4 b-g	34.9 a	7.2 l-q	79.1 f-j	8.5 ab	6 a-e
LSD (P=.05)	138.3	0.018	0.243	0.0258	1.0	1.1	0.4	1.3	0.438	1.85
Standard Deviation	98.8	0.013	0.173	0.0184	0.7	0.8	0.3	1.0	0.313	1.32
CV	7.92	3.6	4.78	1.53	0.8	2.4	3.4	1.2	3.95	25.09
Grand Mean	1247.25	0.36	3.63	1.2	83.7	32.7	7.5	79.6	7.92	5.27
Replicate F	2.461	0.068	1.513	0.402	0.9	0.4	1.6	2.0	0.017	0.574
Replicate Prob(F)	0.0674	0.977	0.2163	0.7518	0.5	0.7	0.2	0.1	0.997	0.6338
Treatment F	9.951	5.816	8.41	12.554	2.8	11.8	22.0	4.3	5.306	2.217
Treatment Prob(F)	0.0001	0.0001	0.0001	0.0001	0.0	0.0	0.0	0.0	0.0001	0.0016
Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)										

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