

2015 Cotton Performance Testing Results

University of Missouri - Delta Center

Sikeston Variety Trial

Location: Sikeston/Johnny and Jeff Hux

Investigator: Andrea Phillips Jones

Planted May 4, 2015 Harvested October 15, 2015

	Yield	Turnout	MIC	Length	UNIF.	Strength	ELON.	Rd	+b	Leaf
DG 2285 B2RF	1290 a	33 de	3.7 bc	1.21 f-j	84.0 a-g	31.4 f-j	8.6 bcd	81.3 a-e	8.1 a-f	4 f-k
PHY 312 WRF	1282 a	33 de	3.4 h-k	1.25 bc	85.0 ab	32.1 d-h	7.5 j-m	79.1 j-m	7.8 e-k	6 a-f
DP 1612 B2XF	1222 ab	33 d-g	3.5 c-i	1.25 bcd	84.8 abc	33.6 bcd	8.5 b-e	79.1 jkl	7.5 i-m	7 abc
DP 1518 B2XF	1216 ab	34 d	3.2 kl	1.23 c-f	83.0 e-j	30.3 ij	7.0 nop	81.1 a-g	7.3 lm	6 a-e
PHY 333 WRF	1210 ab	35 bc	3.5 b-i	1.23 b-f	84.1 a-f	32.0 d-i	7.2 l-o	77.8 m	7.9 b-h	7 ab
NG 3406 B2XF	1210 ab	34 cd	3.3 h-k	1.18 ijk	83.3 d-i	31.5 f-j	8.9 ab	81.6 a-d	7.8 e-k	4 g-k
DP 1614 B2XF	1207 ab	36 b	3.7 bcd	1.26 bc	83.7 b-g	31.7 e-j	7.9 f-i	79.2 i-l	8.1 a-e	5 c-i
DG 3385 B2XF	1186 abc	34 cd	3.5 c-i	1.21 f-j	84.2 a-f	31.8 e-j	9.0 ab	81.5 a-d	8.0 a-g	4 h-k
ST 4747GLB2	1180 abc	33 d-g	3.6 b-h	1.25 b-e	83.3 d-j	31.9 e-i	6.1 q	80.6 b-i	6.9 no	6 a-d
MON 15R513B2XF	1150 bcd	33 de	3.7 b-e	1.26 b	84.3 a-e	31.5 f-j	7.9 f-j	79.7 g-l	8.0 a-g	5 c-i
PHY 222 WRF	1127 b-e	32 f-j	3.7 b-e	1.19 g-k	84.3 a-e	31.4 g-j	8.7 ab	80.1 e-l	7.7 e-k	5 b-h
PHY 496 W3RF	1121 b-e	35 b	3.7 bcd	1.19 g-k	83.9 a-g	33.1 c-g	8.1 fg	80.3 d-k	8.0 b-g	4 g-k
DG CT 15426	1108 b-f	35 b	3.6 b-h	1.18 ijk	83.5 c-h	31.0 hij	9.1 a	81.3 a-e	7.9 c-i	4 f-k
DP 1522 B2XF	1088 c-g	33 def	3.6 b-f	1.19 g-k	83.1 d-j	32.4 d-h	8.7 ab	81.1 a-g	7.9 b-h	4 g-k
ST 4946GLB2	1085 c-g	33 de	4.0 a	1.21 f-j	84.3 a-e	34.5 abc	8.0 fgh	79.7 f-l	8.0 b-h	4 e-j
PHY 444 WRF	1073 c-g	33 de	2.7 m	1.29 a	83.5 c-g	30.9 hij	7.0 nop	81.7 a-d	7.7 e-k	5 c-i
ST 5115GLT	1049 d-h	33 d-g	3.3 ijk	1.17 kl	82.2 hij	31.6 f-j	7.7 g-k	82.2 a	7.3 mn	4 e-j
ST 5289GLT	1040 d-h	32 d-i	3.4 g-k	1.25 bcd	82.6 g-j	30.3 ij	6.7 p	80.0 e-l	6.7 o	7 a
PHY 427 WRF	1037 d-h	32 h-k	3.3 h-k	1.22 e-h	83.9 a-g	33.1 c-g	8.2 c-f	79.9 e-l	7.6 g- m	6 a-g
UA222	1037 d-h	31 jk	3.5 d-i	1.29 a	84.8	32.4 d-h	8.6 bc	79.6 h-l	7.4 klm	6 a-e

					abc					
PHY 339 WRF	1025 e-h	33 d-h	3.5 b-i	1.25 bcd	84.8 abc	32.0 d-i	7.7 g-k	81.0 a-h	7.3 mn	5 d-j
NG 3522 B2XF	992 f-i	33 d-g	3.3 ijk	1.18 ijk	82.0 ij	31.2 hij	7.4 k-n	81.1 a-f	8.3 abc	3 jk
NG 3405 B2XF	978 g-j	33 d-h	3.3 h-k	1.15 l	82.0 j	30.1 j	7.6 i-m	81.8 abc	8.2 a-d	2 k
ST 6182GLT	978 g-j	37 a	3.4 f-k	1.21 f-i	83.7 b-g	31.2 hij	7.6 h-l	82.0 ab	7.7 f-l	3 ijk
PHY 495 W3RF	977 g-j	35 b	3.4 e-j	1.18 jkl	84.5 a-d	35.0 ab	8.2 c-f	78.8 lm	7.8 d-j	6 a-f
ST 5032GLT	936 hij	32 g-k	3.2 jk	1.23 b-f	82.8 f-j	33.4 cde	7.9 f-i	80.6 b-i	7.6 h-m	5 b-h
PHY 487 WRF	894 ijk	32 e-i	3.5 b-h	1.21 f-j	83.7 b-g	32.4 d-h	8.1 efg	79.0 klm	8.4 a	5 c-j
FM 1944GLB2	873 jkl	31 k	3.6 b-g	1.23 c-f	83.3 d-i	33.1 c-f	6.2 q	81.0 a-h	7.3 mn	5 c-j
HQ210CT	873 jkl	31 k	3.6 b-h	1.19 g-k	83.5 c-g	35.7 a	7.7 g-k	82.3 a	7.5 i-m	4 h-k
PHY 499 WRF	870 jkl	35 b	3.7 b	1.20 f-k	85.2 a	35.2 ab	8.1 d-g	79.0 klm	8.3 ab	5 c-j
BRS 335	793 kl	31 jk	3.0 l	1.22 d-g	83.3 d-i	33.2 c-f	7.1 mno	80.4 c-j	7.4 j-m	7 abc
BRS 286	763 l	31 k	3.5 b-h	1.21 f-j	83.7 b-g	34.4 abc	6.8 op	80.0 e-l	7.7 e-k	5 d-j
BRS 293	647 m	32 ijk	3.6 b-g	1.19 h-k	83.7 b-g	35.7 a	7.7 g-k	80.5 c-j	8.3 abc	4 h-k
LSD (P=.05)	102.1	0.01	0.187	0.0268	1.1	1.4	0.4	1.2	0.336	1.6
Standard Deviation	73	0.007	0.133	0.0191	0.8	1.0	0.3	0.8	0.24	1.14
CV	6.97	2.09	3.86	1.57	1.0	3.1	3.6	1.0	3.1	23.87
Grand Mean	1046	0.33	3.46	1.22	83.7	32.4	7.8	80.4	7.73	4.79
Replicate F	20.758	12.079	2.581	3.948	1.8	1.1	1.1	1.1	2.44	0.155
Replicate Prob(F)	0.0001	0.0001	0.0579	0.0106	0.2	0.4	0.3	0.4	0.0691	0.9265
Treatment F	18.101	17.711	11.739	12.868	4.3	9.3	28.3	7.1	11.245	4.499
Treatment Prob(F)	0.0001	0.0001	0.0001	0.0001	0.0	0.0	0.0	0.0	0.0001	0.0001
"Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)"										

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