

2015 Cotton Performance Testing Results

University of Missouri - Delta Center

Senath Variety Trial

Location: Senath/Charles Parker

Investigator: Andrea Phillips Jones

Planted May 5, 2015

Harvested November 10, 2015

	Yield	Turnout	Mic	Length	Unif	Strng	Elong	Rd	+b	Leaf
PHY 312 WRF	1243 a	35 a-f	4.0 hij	1.24 c-f	83.8 a-g	31.6 f-m	7.1 j-o	72.2 d-j	8.5 b-i	5 a-f
DP 1522 B2XF	1224 ab	37 abc	4.5 ab	1.21 f-k	84.5 abc	32.2 b-j	8.6 ab	72.6 d-j	8.5 b-i	4 b-f
PHY 333 WRF	1201 abc	36 a-e	4.1 e-j	1.24 c-g	84.4 abc	31.1 i-n	6.8 no	70.9 j	8.9 a-f	6 a-e
UA222	1180 a-d	32 h	4.1 d-i	1.29 a	85.0 a	32.1 c-k	7.8 c-h	73.4 b-f	8.1 hij	6 abc
DP 1614 B2XF	1180 a-d	37 abc	4.4 abc	1.27 abc	85.0 a	31.6 e-m	8.1 cde	71.3 hij	8.3 f-i	6 a-d
PHY 444 WRF	1124 a-e	38 a	3.5 l	1.29 ab	84.0 a-e	32.2 b-j	6.9 l-o	73.5 b-e	9.0 a-f	3 f
NG 3406 B2XF	1118 a-f	36 a-e	4.1 d-h	1.16 n	82.5 f-i	30.2 mno	8.3 bc	73.2 c-g	9.1 abc	4 b-f
NG 3522 B2XF	1097 a-g	35 a-f	4.1 e-j	1.12 o	81.8 i	29.0 o	7.3 i-n	72.6 d-i	8.8 a-f	4 b-f
ST 4747GLB2	1097 a-g	34 c-h	4.1 e-j	1.25 b-e	84.1 a-e	30.7 k-n	5.9 p	72.6 d-i	7.5 k	7 a
DP 1518 B2XF	1073 a-g	36 a-e	3.8 jk	1.24 c-h	84.0 a-e	30.7 k-n	7.1 k-o	72.6 d-i	8.1 g-j	6 ab
DG 2285 B2RF	1067 a-g	34 b-h	4.1 e-j	1.20 g-l	83.8 a-g	30.8 j-n	8.0 c-f	71.9 e-j	9.0 a-e	5 a-f
PHY 496 W3RF	1064 a-g	37 ab	4.3 bcd	1.19 j-n	84.0 a-e	32.5 b-i	7.9 c-g	72.4 d-j	8.9 a-f	4 c-f
PHY 222 WRF	1061 a-g	34 d-h	4.3 b-f	1.19 j-n	84.4 abc	31.4 g-n	8.2 bcd	72.0 e-j	8.3 f-i	5 a-f
DG 3385 B2XF	1061 a-g	36 a-d	4.1 d-h	1.19 j-n	84.3 a-d	30.9 j-n	8.3 bc	73.2 b-f	9.2 a	3 ef
NG 3405 B2XF	1057 a-g	34 b-h	3.8 ijk	1.16 mn	82.8 e-i	28.9 o	7.1 j-o	71.9 e-j	8.8 a-g	3 f
DP 1612 B2XF	1022 a-h	34 c-h	4.2 b-h	1.20 g-l	83.9 a-g	32.5 b-i	8.3 bcd	71.8 f-j	8.8 a-g	4 b-f
ST 4946GLB2	1010 b-h	34 d-h	4.3 bcd	1.21 e-j	84.6 abc	33.5 abc	7.6 e-j	72.5 d-j	8.9 a-f	4 b-f
MON 15R513B2XF	1005 b-h	34 c-h	4.1 d-h	1.25 bcd	83.9 a-f	31.0 j-n	7.2 j-n	70.9 ij	8.9 a-f	5 a-f
DG CT 15426	981 c-i	36 a-e	4.1 d-h	1.16 lmn	84.0 a-e	30.6 lmn	8.8 a	72.9 c-h	8.5 c-i	5 a-f

PHY 487 WRF	969 d-i	36 a-e	4.2 b-h	1.19 i-n	82.9 d-i	31.6 e-m	7.9 c-g	71.4 hij	9.1 a-d	4 b-f
PHY 339 WRF	958 d-i	34 c-h	4.0 f-j	1.23 d-i	84.7 ab	31.9 d-l	7.5 f-k	71.8 e-j	7.7 jk	6 ab
ST 5032GLT	918 e-j	33 fgh	3.7 kl	1.25 bcd	84.3 a-d	32.5 b-h	7.4 g-l	72.3 d-j	8.6 a-h	6 a-e
ST 5289GLT	900 e-k	34 d-h	4.3 b-f	1.20 h-m	82.4 ghi	30.5 lmn	6.9 l-o	73.7 bcd	8.4 e-i	5 a-f
PHY 427 WRF	888 f-k	33 fgh	3.8 jk	1.19 j-n	83.7 a-g	32.9 a-f	7.8 d-i	71.5 g-j	8.4 d-i	6 abc
FM 1944GLB2	882 g-k	33 e-h	4.2 b-g	1.24 c-g	83.5 b-h	32.6 b-g	6.0 p	74.3 abc	7.9 ijk	4 b-f
ST 5115GLT	879 g-k	35 a-g	4.0 g-j	1.17 lmn	82.7 e-i	31.1 h-n	7.5 f-k	74.8 ab	8.7 a-h	4 b-f
PHY 499 WRF	827 h-l	37 a	4.3 b-e	1.18 j-n	84.3 a-d	33.5 ab	8.2 bcd	71.9 e-j	9.2 a	5 a-f
BRS 293	819 h-l	35 a-f	4.4 abc	1.18 j-n	83.7 a-g	34.2 a	7.6 e-k	71.5 g-j	9.1 abc	3 def
PHY 495 W3RF	779 i-l	36 a-e	4.2 c-h	1.16 lmn	83.7 a-g	33.0 a-e	8.0 cde	71.9 e-j	9.1 ab	4 b-f
ST 6182GLT	771 i-l	38 a	4.1 d-i	1.17 j-n	83.2 c-i	30.0 no	7.4 g-l	73.7 bcd	8.6 a-h	5 a-f
BRS 335	727 jkl	34 c-h	4.3 b-f	1.18 j-n	82.1 hi	31.3 g-n	6.8 mno	75.7 a	8.5 b-i	4 b-f
BRS 286	691 kl	33 fgh	4.3 b-f	1.20 i-n	83.4 b-h	33.2 a-d	6.7 o	72.6 d-i	8.7 a-h	4 b-f
HQ210CT	617 l	32 gh	4.6 a	1.17 k-n	83.2 c-i	32.9 a-f	7.3 h-m	74.3 abc	8.6 a-h	4 b-f
LSD (P=.05)	189.9	0.022	0.215	0.0341	1.2	1.2	0.4	1.4	0.54	1.9
Standard Deviation	134.2	0.016	0.152	0.0241	0.9	0.8	0.3	1.0	0.382	1.34
CV	13.64	4.45	3.69	2	1.0	2.7	4.1	1.3	4.43	29.55
Grand Mean	984.49	0.35	4.12	1.2	83.7	31.7	7.5	72.6	8.61	4.54
Replicate F	4.268	1.441	0.794	1.964	2.9	0.4	0.2	1.1	2.182	0.571
Replicate Prob(F)	0.0075	0.2369	0.5008	0.1255	0.0	0.8	0.9	0.3	0.0961	0.6358
Treatment F	5.696	3.824	8.957	11.513	3.5	8.9	19.3	5.2	5.093	2.078
Treatment Prob(F)	0.0001	0.0001	0.0001	0.0001	0.0	0.0	0.0	0.0	0.0001	0.0042
Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)										

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