

2016 Cotton Performance Testing Results

University of Missouri - Delta Center

Portageville Clay official Variety Trial

Location: Portageville

Investigator: Andrea Phillips Jones

Planted April 25, 2016

Harvested October 3, 2016

| | Yield | Turnout | Mic | Length | Unif | Strng | Elong | Rd | +b | Leaf |
|---------------------|----------|---------|---------|----------|----------|----------|---------|----------|---------|-------|
| PHY 312 WRF | 1337 a | 38 d-g | 4.4 efg | 1.24 e-h | 84.9 a-h | 32.0 j-o | 6.0 j-n | 77.8 c-h | 7.4 ijk | 5 a-e |
| PHY 333 WRF | 1302 ab | 39 cde | 4.2 hi | 1.24 efg | 84.0 g-l | 31.7 k-o | 5.5 pqr | 76.4 hi | 8.1 ab | 6 abc |
| Winfield 16XA7 B2XF | 1211 abc | 40 a | 4.9 a | 1.24 efg | 84.7 a-k | 31.3 l-p | 6.3 d-k | 77.0 f-i | 7.7 c-i | 6 abc |
| CG 3475 B2XF | 1175 a-d | 37 h-l | 4.9 a | 1.21 ijk | 84.7 a-j | 32.5 f-k | 6.8 abc | 76.4 hi | 7.6 c-j | 5 a-f |
| ST 4946GLB2 | 1141 a-e | 37 ghi | 4.8 ab | 1.22 h-k | 84.8 a-h | 34.9 ab | 6.5 b-g | 77.3 e-i | 8.1 a | 5 a-f |
| NG3522B2XF | 1140 a-e | 38 efg | 4.5 def | 1.18 lm | 83.8 i-l | 30.2 q | 6.1 f-m | 78.1 b-h | 7.8 b-g | 4 b-f |
| DP 1612 B2XF | 1133 b-e | 36 i-m | 4.7 abc | 1.23 f-i | 84.7 a-k | 33.2 e-h | 6.5 b-g | 75.7 i | 7.6 c-j | 6 a-d |
| NG3405B2XF | 1129 b-e | 37 ghi | 4.4 e-h | 1.18 lm | 83.9 h-l | 30.5 pq | 6.2 e-k | 78.8 a-f | 7.9 a-d | 3 f |
| ST 4747GLT | 1110 b-f | 36 j-n | 4.6 cd | 1.25 d-g | 83.4 l | 31.3 m-p | 4.6 s | 78.9 a-f | 6.9 no | 6 a-d |
| BX 1738GLT | 1099 b-f | 37 g-k | 4.6 cde | 1.26 cde | 84.8 a-i | 35.3 a | 6.1 f-l | 77.4 e-i | 7.5 g-k | 5 a-f |
| AMX1606B2XF | 1098 b-f | 35 o | 4.4 e-h | 1.22 ghi | 84.3 e-l | 33.6 c-f | 6.3 d-k | 77.5 d-i | 7.5 g-k | 6 a-e |
| DP 1614 B2XF | 1095 b-f | 40 ab | 4.8 ab | 1.25 d-g | 85.6 ab | 31.9 j-o | 6.6 a-e | 76.5 ghi | 7.8 b-f | 6 abc |
| NG3406B2XF | 1085 c-g | 37 ghi | 4.8 ab | 1.19 kl | 84.1 f-l | 31.1 op | 6.8 ab | 78.7 a-f | 7.8 b-g | 4 ef |
| MON 16R229B2XF | 1070 c-g | 39 cde | 4.6 cd | 1.17 m | 83.7 kl | 31.9 j-o | 6.0 j-n | 80.4 a | 6.8 o | 4 b-f |
| Dyna-Gro CPS16214 | 1070 c-g | 38 efg | 4.6 cd | 1.23 f-i | 85.2 a-e | 32.3 h-n | 6.7 a-d | 77.1 f-i | 7.9 abc | 5 a-e |

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|--------------------|----------|--------|---------|----------|----------|---------------|---------|----------|---------|-------|
| MON 15R535B2XF | 1068 c-g | 41 a | 4.5 de | 1.22 g-j | 84.2 f-l | 32.0 i-o | 5.4 qr | 78.6 a-f | 7.1 l-o | 4 b-f |
| DP 1518 B2XF | 1066 c-g | 37 h-k | 4.2 ghi | 1.25 def | 84.7 a-k | 32.3 g-m | 5.7 m-q | 77.5 d-i | 7.0 mno | 6 ab |
| UA 222 | 1047 c-g | 35 o | 4.4 def | 1.30 ab | 85.3 a-d | 32.4 g-l | 6.5 b-f | 77.5 d-i | 7.3 jkl | 7 a |
| ST 4848GLT | 1044 c-g | 39 bc | 4.5 def | 1.24 e-h | 84.8 a-i | 33.1 e-i | 5.8 l-p | 76.6 ghi | 7.7 c-i | 6 a-d |
| Dyna-Gro CT15684 | 997 d-h | 39 cd | 4.4 efg | 1.24 f-i | 84.9 a-h | 32.5 g-k | 6.0 i-n | 77.8 c-h | 7.6 d-k | 5 a-e |
| Dyna-Gro 3385 B2XF | 984 d-h | 38 fgh | 4.9 a | 1.22 h-k | 84.4 d-l | 31.3 nop | 7.0 a | 78.1 b-h | 7.7 c-i | 4 def |
| DP 1522 B2XF | 978 d-i | 37 g-j | 4.8 ab | 1.22 ghi | 84.9 a-g | 32.2 h-n | 6.8 abc | 78.7 a-f | 7.7 c-i | 4 def |
| AMX1604B2XF | 930 e-j | 36 i-m | 4.5 de | 1.22 h-k | 84.6 c-k | 33.9 b-e | 5.2 r | 77.3 e-i | 7.8 a-e | 6 a-d |
| AMX1601B2XF | 908 f-k | 38 c-f | 4.5 def | 1.23 ghi | 84.9 a-h | 34.6 abc | 6.0 h-n | 79.4 a-d | 7.1 lmn | 6 ab |
| PHY 444 WRF | 877 g-l | 37 g-k | 3.9 k | 1.32 a | 85.6 a | 33.4 d-g | 5.7 n-q | 78.4 b-g | 7.7 c-i | 4 b-f |
| Dyna-Gro 3526 B2XF | 829 h-l | 39 cde | 4.5 def | 1.20 jkl | 84.6 b-k | 31.8 k-o | 6.7 a-d | 77.5 d-i | 7.5 e-k | 6 a-e |
| HQ210CT | 828 | 35 o | 4.9 a | 1.20 kl | 83.9 h-l | 34.6 abc | 5.8 l-p | 77.5 d-i | 7.4 h-k | 4 b-f |
| BRS 335 | 828 h-l | 35 no | 4.0 jk | 1.24 e-h | 84.4 c-k | 33.0 e-j | 5.6 opq | 78.5 a-f | 7.3 klm | 6 a-d |
| BX 1737GLT | 805 h-l | 35 mno | 4.3 f-i | 1.27 cd | 85.4 abc | 33.0 e-j | 6.1 g-n | 79.2 a-e | 7.5 f-k | 4 c-f |
| BX 1776GLTP | 776 i-l | 36 i-m | 4.2 ghi | 1.26 cde | 84.3 e-l | 32.0 i-o | 6.3 d-j | 79.7 abc | 7.6 c-j | 4 def |
| Dyna-Gro 3544 B2XF | 771 jkl | 36 l-o | 4.6 bcd | 1.24 e-h | 85.6 ab | 34.4 a-d | 5.5 o-r | 80.0 ab | 6.9 no | 4 b-f |
| NG5007B2XF | 745 jkl | 37 ghi | 4.4 e-h | 1.23 f-i | 83.8 jkl | 30.6 pq | 6.4 b-h | 77.6 d-i | 7.7 c-h | 4 c-f |
| ST 5115GLT | 718 kl | 36 k-n | 4.6 cd | 1.22 h-k | 84.4 c-l | 33.6 c-f | 5.9 k-o | 79.7 abc | 6.9 no | 5 a-f |
| BX 1775GLTP | 696 l | 36 i-m | 4.1 ij | 1.28 bc | 85.1 a-f | 32.0 i-o | 6.4 c-i | 79.1 a-e | 7.5 e-k | 4 c-f |
| LSD (P=.05) | 174.6 | 0.911 | 0.166 | 0.0206 | 0.81 | 0.868 - 0.983 | 0.349 | 1.589 | 0.26 | 1.82 |
| Standard Deviation | 124.4 | 0.649 | 0.118 | 0.0147 | 0.577 | 0.009t | 0.249 | 1.133 | 0.186 | 1.3 |
| CV | 12.34 | 1.74 | 2.63 | 1.19 | 0.68 | 0.56t | 4.08 | 1.45 | 2.47 | 26.42 |

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|---|--------|--------|-------|--------|--------|--------|-------|--------|-------|------|
| Grand Mean | 1007.9 | 37.271 | 4.493 | 1.2315 | 84.595 | 1.525t | 6.099 | 78.006 | 7.498 | 4.91 |
| Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT) | | | | | | | | | | |

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