

Preliminary Strains Testing Program, Maricopa, AZ. 2005

| Strain | Lint | Means Separation* | % | Fiber | Mic | Fiber | Fiber | Uniformity |
|----------|---------|-------------------|--------|---------|--------|----------|----------|------------|
| | Yield | | Lint | Length | | Strength | Length | |
| | (lbs/A) | | | (32nds) | | (GM/Tex) | (100ths) | |
| ACGA82 | 1463.3 | a | 41.7 | 37.7 | 4.8 | 36.2 | 1.18 | 83.2 |
| ACGA68 | 1388.0 | a b | 35.1 | 38.0 | 5.5 | 36.3 | 1.19 | 84.2 |
| ACGA70 | 1386.1 | a b | 35.1 | 38.3 | 5.2 | 35.3 | 1.20 | 82.9 |
| ACGA72 | 1363.5 | a b | 35.5 | 36.5 | 5.2 | 33.7 | 1.13 | 82.3 |
| ACGA74 | 1359.1 | a b c | 43.5 | 36.3 | 5.3 | 28.3 | 1.13 | 81.1 |
| ACGA65 | 1345.9 | a b c d | 33.3 | 38.3 | 5.1 | 36.0 | 1.20 | 83.7 |
| ACGA64 | 1327.8 | a b c d e | 36.8 | 36.7 | 5.2 | 33.8 | 1.15 | 82.8 |
| ACGA75 | 1327.5 | a b c d e | 33.8 | 36.3 | 5.2 | 33.2 | 1.13 | 82.6 |
| ACGA67 | 1310.8 | a b c d e | 34.2 | 38.3 | 5.6 | 36.1 | 1.20 | 83.5 |
| ACGA47 | 1299.7 | a b c d e f | 33.3 | 37.5 | 5.5 | 34.9 | 1.17 | 83.3 |
| ACGA66 | 1287.8 | a b c d e f | 37.4 | 36.7 | 5.1 | 35.3 | 1.15 | 81.7 |
| ACGA53 | 1277.4 | a b c d e f | 42.1 | 36.0 | 5.1 | 30.9 | 1.13 | 81.5 |
| ACGA46 | 1273.6 | a b c d e f | 33.6 | 37.3 | 5.6 | 34.2 | 1.17 | 81.3 |
| ACGA57 | 1270.1 | a b c d e f | 35.8 | 37.5 | 5.1 | 34.7 | 1.17 | 83.5 |
| ACGA54 | 1260.5 | a b c d e f g | 34.4 | 37.3 | 5.3 | 35.4 | 1.17 | 83.6 |
| ACGA45 | 1257.4 | a b c d e f g | 34.7 | 38.3 | 5.6 | 35.1 | 1.20 | 83.5 |
| DP448B | 1246.7 | a b c d e f g | 37.4 | 36.3 | 4.8 | 32.0 | 1.13 | 82.1 |
| ACGA77 | 1240.7 | a b c d e f g | 41.8 | 36.5 | 5.1 | 34.8 | 1.13 | 82.5 |
| ACGA55 | 1226.6 | b c d e f g | 36.9 | 37.0 | 5.1 | 34.6 | 1.16 | 83.8 |
| ACGA69 | 1219.5 | b c d e f g | 34.6 | 38.0 | 5.5 | 34.8 | 1.19 | 83.6 |
| ACGA24 | 1213.3 | b c d e f g h | 40.2 | 36.8 | 5.1 | 32.3 | 1.15 | 81.7 |
| ACGA52 | 1199.3 | b c d e f g h i | 39.3 | 37.0 | 5.0 | 31.1 | 1.15 | 82.2 |
| ACGA63 | 1192.8 | b c d e f g h i | 38.2 | 37.3 | 4.9 | 33.5 | 1.15 | 82.1 |
| ACGA76 | 1190.1 | b c d e f g h i | 42.9 | 37.3 | 5.0 | 33.0 | 1.17 | 82.6 |
| DP449BR | 1188.0 | b c d e f g h i | 35.8 | 36.0 | 5.2 | 32.5 | 1.12 | 82.8 |
| ACGA20 | 1184.3 | b c d e f g h i j | 37.1 | 37.0 | 5.3 | 34.0 | 1.15 | 83.5 |
| ACGA62 | 1165.3 | b c d e f g h i j | 35.4 | 36.5 | 5.3 | 35.3 | 1.14 | 82.1 |
| ACGA71 | 1164.7 | b c d e f g h i j | 34.2 | 36.8 | 4.9 | 33.9 | 1.15 | 83.1 |
| ACGA79 | 1164.3 | b c d e f g h i j | 38.3 | 36.0 | 5.1 | 32.1 | 1.12 | 82.4 |
| ACGA59 | 1129.1 | c d e f g h i j | 34.8 | 36.5 | 5.2 | 35.1 | 1.14 | 82.1 |
| ACGA61 | 1128.1 | d e f g h i j | 33.6 | 37.3 | 5.1 | 35.0 | 1.16 | 83.2 |
| ACGA73 | 1104.6 | e f g h i j | 38.4 | 35.3 | 4.9 | 31.5 | 1.10 | 82.2 |
| ACGA56 | 1078.0 | f g h i j | 32.8 | 38.0 | 4.9 | 35.9 | 1.20 | 83.4 |
| ACGA48 | 1071.2 | f g h i j k | 32.1 | 36.8 | 5.1 | 34.2 | 1.14 | 82.6 |
| ACGA60 | 1033.1 | g h i j k l | 33.5 | 36.8 | 5.2 | 35.6 | 1.14 | 82.3 |
| ACGA78 | 1030.8 | g h i j k l | 34.8 | 36.0 | 4.9 | 33.4 | 1.13 | 82.6 |
| ACGA49 | 987.7 | h i j k l m | 35.2 | 37.0 | 4.8 | 34.2 | 1.16 | 83.5 |
| ST5599BR | 983.7 | h i j k l m | 39.6 | 34.8 | 4.9 | 31.6 | 1.08 | 82.1 |
| ACGA58 | 978.0 | i j k l m | 33.2 | 37.7 | 4.8 | 34.6 | 1.18 | 83.8 |
| ACGA83 | 956.8 | j k l m | 38.5 | 36.5 | 4.7 | 34.5 | 1.14 | 82.1 |
| ACGA51 | 847.7 | k l m | 40.3 | 37.0 | 4.9 | 31.0 | 1.16 | 80.5 |
| ACGA81 | 823.8 | l m | 34.7 | 35.7 | 4.5 | 32.6 | 1.11 | 82.0 |
| ACGA80 | 809.5 | l m | 34.4 | 36.3 | 4.8 | 35.2 | 1.14 | 82.4 |
| ACGA50 | 795.3 | m | 38.3 | 37.0 | 5.0 | 33.1 | 1.15 | 81.6 |
| LSD§ | 213.4 | | 0.04 | 1.3 | 0.33 | 2.4 | 0.04 | 1.9 |
| OSL† | 0.0001 | | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0748 |
| CV‡ | 14.0 | | 8.3 | 2.5 | 4.5 | 4.8 | 2.4 | 1.6 |

*Means followed by the same letter are not significantly different according to a Fisher's least significant difference means separation test.

§ Least Significant Difference

† Observed Significance Level

‡ Coefficient of Variation