

## Colorado County Uniform Stacked Gene Cotton Variety Trial, 2004 Mahalitic Farm

Dan Fromme, Extension Agent-IPM Wharton, Matagorda, Jackson Counties  
Dale Rankin, Extension Agent-Agriculture and Natural Resources Colorado County  
Dr. Robert Lemon, Professor and Extension Cotton Specialist  
D. Joel Pigg, Extension Assistant

| Variety                   | Lint Yield  | Turnout     | Length      | Micronaire  | Strength    | Uniformity  | Lint quality | Value/A    |
|---------------------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|------------|
|                           | lbs/A       | %           | inches      |             | g/tex       | %           | premiums     | \$         |
| ST 5599 BR                | 1256 a      | 34.8 bc     | 1.13 bc     | 4.70 bc     | 31.5        | 81.3 cd     | 3.88         | 697 a      |
| DPL 444 BR                | 1234 a      | 35.7 a      | 1.15 b      | 4.17 g      | 32.3        | 83.7 a      | 3.32         | 678 a      |
| DPL 449 BR                | 1186 ab     | 33.8 ef     | 1.11 cde    | 4.43 f      | 32.6        | 82.3 bc     | 4.63         | 667 a      |
| ST 5242 BR                | 1131 bc     | 34.1 cde    | 1.09 e      | 4.57 de     | 29.0        | 83.0 ab     | 2.88         | 617 b      |
| ST 4892 BR                | 1112 bc     | 35.0 ab     | 1.11 cde    | 4.83 a      | 31.3        | 82.3 bc     | 3.95         | 618 b      |
| ST 4646 B2R               | 1097 c      | 33.8 de     | 1.12 bcd    | 4.67 cd     | 31.1        | 82.3 bc     | 3.47         | 604 bc     |
| DPL 424 B2R               | 1000 d      | 32.2 g      | 1.10 de     | 4.67 cd     | 31.2        | 82.3 bc     | 3.27         | 548 d      |
| DPL 488 BR                | 993 d       | 34.6 bcd    | 1.13 bcd    | 4.47 ef     | 33.0        | 81.0 d      | 4.72         | 559 cd     |
| FM 989 BR                 | 965 d       | 32.8 g      | 1.13 bcd    | 4.43 f      | 31.5        | 82.3 bc     | 3.88         | 536 d      |
| FM 960 B2R                | 866 e       | 33.0 fg     | 1.18 a      | 4.80 ab     | 32.9        | 82.3 bc     | 3.47         | 477 e      |
| FM 800 B2R                | 836 e       | 32.3 g      | 1.20 a      | 4.13 g      | 34.9        | 83.7 a      | 5.52         | 477 e      |
| <b>Location Mean</b>      | <b>1061</b> | <b>33.8</b> | <b>1.13</b> | <b>4.53</b> | <b>31.9</b> | <b>82.4</b> | <b>3.91</b>  | <b>589</b> |
| <b>P&gt;F</b>             | 0.0001      | 0.0001      | 0.0001      | 0.0001      | 0.1054      | 0.0514      | 0.1529       | 0.0001     |
| <b>LSD (P=0.10)</b>       | 75.59       | 0.772       | 2.89        | 0.128       | NS          | 1.31        | NS           | 46.97      |
| <b>Standard Deviation</b> | 53.67       | 0.548       | 2.05        | 0.091       | 1.859       | 0.93        | 1.03         | 33.35      |
| <b>CV</b>                 | 5.06        | 1.62        | 1.81        | 2           | 5.82        | 1.13        | 26.36        | 5.66       |



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