2005 New Kent Wheat Seed Treatment
L. C. Davis Sons, New Kent

Cooperators:
Producer: Boogie and Wayne Davis
Extension: David Moore, Middlesex, VCE; Paul Davis, New Kent/Charles City VCE
Agribusiness: Jim Wallace, Water Quality Specialist, Colonial Soil and Water Conservation District; Berry Lewis, Gustafson

Tillage: No-Till into mowed corn stalks
Row Spacing: 7” rows
Soil Type: Altavista, fine sandy loam
Variety: Nineteen different varieties
Fertilization:
Pre-plant broadcast 40-80-80 October 12, 2004
Winter N 44# 24-0-0-3 February 19, 2005
Spring N 70# 30%UAN April 8, 2005
Herbicides:
Burn down 1.5pts Gramoxone Max October 12, 2004
Post emergence 4.75oz Osprey, .33oz Harmony GT December 5, 2004
Insecticides:
2.5oz Warrior December 5, 2004
Planted: October 26, 2004
Harvested: June 24, 2005

<table>
<thead>
<tr>
<th>Treatment</th>
<th>Yield</th>
<th>% Moisture</th>
<th>Lbs Test Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Untreated</td>
<td>100.9</td>
<td>13.1</td>
<td>61</td>
</tr>
<tr>
<td>Raxil-Thiram</td>
<td>101.2</td>
<td>13.2</td>
<td>60</td>
</tr>
<tr>
<td>Baytan-Thiram</td>
<td>103.4</td>
<td>12.5</td>
<td>60</td>
</tr>
<tr>
<td>Gaucho XT</td>
<td>106.9</td>
<td>12.5</td>
<td>60</td>
</tr>
<tr>
<td>Raxil MD</td>
<td>106.3</td>
<td>13.0</td>
<td>60</td>
</tr>
<tr>
<td>Dividend Extreme</td>
<td>103.8</td>
<td>13.0</td>
<td>61</td>
</tr>
</tbody>
</table>

Discussion:
All seed treatments yielded better than 100 bu/Ac. Gaucho XT and Raxil MD yielded, respectively, 6 and 5.5 bu/Ac higher than the untreated. At $3.25/bu for wheat at harvest, that equates to $17 to $20 more per acre, not including the seed treatment cost. This plot showed little to no aphid pressure, little BYDV or powdery mildew throughout the entire season. One would expect higher returns on seed treatments when disease pressures are greater as in most growing seasons.

Compare these results with other seed treatment plots.
2004-05 WHEAT SEED TREATMENTS

Cooperators: Producer: Glenn F. Chappell
Extension: Glenn F. Chappell, II
Agribusiness: Berry Lewis, Gustafson

Date Planted: 10/10/2004

Soil Type: Mattaponi sandy loam

Previous Crop: Soybeans

Tillage/equipment: JD 1590 No-till drill

Variety: FFR 520

Fertilization: Preplant 50-100-100
2/24/05 80-0-0
3/30/05 40-0-0

Crop Protection: 3/30/05 Warrior – 2.0 oz
Tilt – 4.0 oz
Harmony Extra – 0.5 oz

Date Harvested: 6/24/05

<table>
<thead>
<tr>
<th>Treatment</th>
<th>Rep</th>
<th>Moisture</th>
<th>Test Wt.</th>
<th>Yield (bu./acre@13.5%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dividend Extreme</td>
<td>1</td>
<td>12.2</td>
<td>61</td>
<td>81.08</td>
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<tr>
<td>Check – FFR 520</td>
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<td>82.43</td>
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<tr>
<td>Raxil/Thiram</td>
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<td>12.5</td>
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<td>85.72</td>
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<tr>
<td>Gaucho XT</td>
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<td>12.4</td>
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<tr>
<td>Raxil MD</td>
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<td>12.1</td>
<td>60</td>
<td>85.21</td>
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<tr>
<td>Baytan Thiram</td>
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<td>12.3</td>
<td>61</td>
<td>88.15</td>
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</tbody>
</table>

Discussion:
Grain growth and development were excellent all season with no significant disease or insect pressure.