# 2006 Corn Herbicide Evaluation - Rochester

<table>
<thead>
<tr>
<th>Herbicide</th>
<th>Rate</th>
<th>Giant foxtail</th>
<th>Giant ragweed</th>
<th>Tall waterhemp</th>
<th>Common lambsquarters</th>
<th>H2O</th>
<th>Yield</th>
<th>Cost</th>
<th>Returns</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Preemergence</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 Keystone LA + Hornet WDG</td>
<td>2.2 qt + 4oz</td>
<td>97</td>
<td>91</td>
<td>98</td>
<td>99</td>
<td>15.8</td>
<td>171</td>
<td>42.65</td>
<td>398</td>
</tr>
<tr>
<td><strong>Preemergence/POST III (V4 corn)</strong></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>2 Surpass / Hornet + Callisto + atrazine + COC + AMS</td>
<td>2.75 pt / 3 oz + 0.75 oz + 8 oz + 1% + 3 qt</td>
<td>96</td>
<td>98</td>
<td>98</td>
<td>99</td>
<td>16.2</td>
<td>188</td>
<td>50.16</td>
<td>431</td>
</tr>
<tr>
<td>3 Outlook / Status + atrazine + NIS + AMS</td>
<td>21 oz / 5 oz + 16 oz + 0.25% + 2.5 lb</td>
<td>95</td>
<td>97</td>
<td>96</td>
<td>98</td>
<td>16.5</td>
<td>178</td>
<td>53.69</td>
<td>401</td>
</tr>
<tr>
<td>4 Define SC/ Liberty+atrazine+AMS</td>
<td>12 oz / 32 oz + 16 oz + 3.5 qt</td>
<td>98</td>
<td>87</td>
<td>85</td>
<td>95</td>
<td>16.5</td>
<td>168</td>
<td>47.69</td>
<td>380</td>
</tr>
<tr>
<td>5 Define SC/ Option+Distinct+MSO+28%</td>
<td>12 oz / 1.5 oz + 2 oz + 1.5 pt + 3 pt</td>
<td>99</td>
<td>96</td>
<td>94</td>
<td>96</td>
<td>16.9</td>
<td>145</td>
<td>49.90</td>
<td>317</td>
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<tr>
<td>6 Define SC/ Laudis+MSO+28%</td>
<td>12 oz / 3 oz + 1.5 pt + 3 pt</td>
<td>99</td>
<td>95</td>
<td>96</td>
<td>94</td>
<td>16.9</td>
<td>163</td>
<td>50.16</td>
<td>392</td>
</tr>
<tr>
<td>7 Cinch/ Steadfast+Callisto+atrazine+COC+AMS</td>
<td>1 pt / 0.75 oz + 2 oz + 16 oz + 1% + 3 qt</td>
<td>99</td>
<td>98</td>
<td>96</td>
<td>99</td>
<td>17.2</td>
<td>187</td>
<td>58.35</td>
<td>412</td>
</tr>
<tr>
<td>8 Dual II Magnum/ Callisto+atrazine+COC+28%N</td>
<td>1 pt / 3 oz + 16 oz + 1% + 2.5%</td>
<td>94</td>
<td>99</td>
<td>99</td>
<td>99</td>
<td>16.9</td>
<td>179</td>
<td>60.07</td>
<td>392</td>
</tr>
<tr>
<td>9 Outlook / Aim+atrazine+Clarity+NIS</td>
<td>21 oz / 0.5 oz + 16 oz + 3 oz + 0.25%</td>
<td>96</td>
<td>80</td>
<td>98</td>
<td>99</td>
<td>16.0</td>
<td>177</td>
<td>44.28</td>
<td>411</td>
</tr>
<tr>
<td>10 Harness / Roundup WeatherMax+AMS</td>
<td>1.25 pt / 22 oz + 3 qt</td>
<td>98</td>
<td>93</td>
<td>98</td>
<td>92</td>
<td>16.4</td>
<td>178</td>
<td>50.75</td>
<td>403</td>
</tr>
<tr>
<td>11 Lumax / Touchdown Total+AMS</td>
<td>3 pt / 24 oz + 3 qt</td>
<td>99</td>
<td>97</td>
<td>99</td>
<td>99</td>
<td>16.1</td>
<td>174</td>
<td>54.89</td>
<td>393</td>
</tr>
<tr>
<td>12 Lumax / Liberty+AMS</td>
<td>3 pt / 24 oz + 3 qt</td>
<td>99</td>
<td>97</td>
<td>99</td>
<td>99</td>
<td>15.9</td>
<td>187</td>
<td>45.72</td>
<td>436</td>
</tr>
<tr>
<td>13 Keystone LA/ GlyphomaxXRT+AMS</td>
<td>1.1 qt / 24 oz + 3 qt</td>
<td>98</td>
<td>94</td>
<td>99</td>
<td>99</td>
<td>16.1</td>
<td>177</td>
<td>48.95</td>
<td>405</td>
</tr>
<tr>
<td>14 Outlook / Roundup WeatherMax+Status+AMS</td>
<td>12 oz / 14 oz+2.5 oz +3 qt</td>
<td>98</td>
<td>98</td>
<td>97</td>
<td>80</td>
<td>16.4</td>
<td>168</td>
<td>46.95</td>
<td>383</td>
</tr>
<tr>
<td>15 Dual II Magnum / Touchdown Total + Callisto + AMS</td>
<td>1 pt / 24 oz + 3 oz + 3 qt</td>
<td>99</td>
<td>96</td>
<td>99</td>
<td>99</td>
<td>16.7</td>
<td>175</td>
<td>63.32</td>
<td>380</td>
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<tr>
<td>16 Resolve / Atrazine + Roundup OriginalMax + NIS + AMS</td>
<td>1 oz / 16 oz + 22 oz + 0.25% + 3qt</td>
<td>98</td>
<td>97</td>
<td>95</td>
<td>98</td>
<td>15.9</td>
<td>177</td>
<td>44.31</td>
<td>413</td>
</tr>
<tr>
<td>17 GF 1834 / Glyphomax XRT + AMS</td>
<td>1.75 pt / 24 oz + 3 qt</td>
<td>98</td>
<td>97</td>
<td>99</td>
<td>99</td>
<td>16.0</td>
<td>176</td>
<td></td>
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</tbody>
</table>

### Checks

<p>| | | | | | | | | | |</p>
<table>
<thead>
<tr>
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<tbody>
<tr>
<td>18 Weedy Check</td>
<td>-</td>
<td>0</td>
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<td>0</td>
<td>0</td>
<td>16.3</td>
<td>4</td>
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<tr>
<td>19 Weed-Free Check</td>
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<td>15.6</td>
<td>181</td>
<td>0.00</td>
<td>468</td>
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</tbody>
</table>

### POST I (V2 corn)

<p>| | | | | | | | | | |</p>
<table>
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<tr>
<th></th>
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</tr>
</thead>
<tbody>
<tr>
<td>20 Stout + Lumax + NIS</td>
<td>0.5 oz + 2 pt + 0.25%</td>
<td>94</td>
<td>97</td>
<td>98</td>
<td>99</td>
<td>15.9</td>
<td>171</td>
<td>29.42</td>
<td>410</td>
</tr>
<tr>
<td>21 Lumax + Touchdown Total + AMS</td>
<td>3 pt + 24oz + 3 qt</td>
<td>91</td>
<td>98</td>
<td>99</td>
<td>99</td>
<td>15.7</td>
<td>173</td>
<td>47.89</td>
<td>399</td>
</tr>
<tr>
<td>22 Lumax + Liberty + AMS</td>
<td>3 pt + 20oz + 3 qt</td>
<td>95</td>
<td>98</td>
<td>97</td>
<td>99</td>
<td>15.7</td>
<td>160</td>
<td>38.72</td>
<td>425</td>
</tr>
</tbody>
</table>

### POST III (V4 corn)

<p>| | | | | | | | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
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<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>23 Steadfast+Callisto+atrazine+COC+AMS</td>
<td>0.75 oz + 2 oz + 16 oz +1% + 3 qt</td>
<td>96</td>
<td>94</td>
<td>83</td>
<td>98</td>
<td>16.4</td>
<td>173</td>
<td>37.40</td>
<td>405</td>
</tr>
<tr>
<td>24 Resolve + atrazine + Roundup OriginalMax + NIS + AMS</td>
<td>1 oz + 16 oz + 22 oz + 0.25% + 3qt</td>
<td>98</td>
<td>94</td>
<td>90</td>
<td>92</td>
<td>17.1</td>
<td>181</td>
<td>37.31</td>
<td>420</td>
</tr>
</tbody>
</table>

| LSD (P=0.10) | 3 | 2 | 3 | 3 | 0.5 | 19 | 49 |