Production of Various Grain Crops in Wisconsin (1866-1999)

Value of Various Grain Crops in Wisconsin (1950-1999)

Years of Record Corn Yield and the Percent Increase Over the Previous Record Year

Corn yield in Wisconsin since 1866

The yield march continues...
Corn yield progress in Wisconsin

- All contests = 3.0 bu/A yr
- PEPS Cash Corn = 4.1 bu/A yr
- PEPS Livestock Corn = 5.2 bu/A yr
- NCGA Non Irrigated = 3.6 bu/A yr
- NCGA No Till/Strip Till Non Irrigated = 3.6 bu/A yr
- NCGA No Till/Strip Till Irrigated = 1.9 bu/A yr
- NCGA Irrigated = 2.6 bu/A yr
- NCGA Ridge Till Irrigated = 5.1 bu/A yr
- NCGA Ridge Till Non Irrigated = 2.3 bu/A yr

Data derived from grower yield contests (PEPS = 1987 to 2003; NCGA = 1983 to 2003)

Highest recorded corn yields (bu/A) in Wisconsin counties (1983-2005). Data includes participants in the NCGA yield contest and Wisconsin PEPS program.

Highest recorded soybean yields (bu/A) in Wisconsin counties (1987-2005). Data includes participants in the Wisconsin PEPS program.
Wisconsin Agriculture Overview

Ethanol from corn

On-Going Dairy Farm Transition

Joe Lauer, University of Wisconsin - Agronomy (c) 1994-2006
Comparison of steps needed for types of tillage.

Yield advantage of moldboard and chisel plow over no-till (1980-1993)


Brazilian soybean production

Gulf of Mexico Hypoxia

Joe Lauer, University of Wisconsin - Agronomy (c) 1994-2006
Pests and Pest resistance

2000 Corn Rootworm Survey

Herbicide resistant weeds in Wisconsin

<table>
<thead>
<tr>
<th>Weed</th>
<th>Herbicide</th>
<th>Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lambquartes</td>
<td>Trazines</td>
<td>1979</td>
</tr>
<tr>
<td>Smooth pigweed</td>
<td>Trazines</td>
<td>1983</td>
</tr>
<tr>
<td>Kochia</td>
<td>Trazines</td>
<td>1987</td>
</tr>
<tr>
<td>Valvatiol</td>
<td>Trazines</td>
<td>1990</td>
</tr>
<tr>
<td>Giant foxtail</td>
<td>ACCase inhibitors</td>
<td>1991</td>
</tr>
<tr>
<td>Large crabgrass</td>
<td>ACCase inhibitors</td>
<td>1992</td>
</tr>
<tr>
<td>Giant foxtail</td>
<td>ALS inhibitors</td>
<td>1999</td>
</tr>
<tr>
<td>Green foxtail</td>
<td>ALS inhibitors</td>
<td>1999</td>
</tr>
<tr>
<td>Eastern black nightshade</td>
<td>ALS inhibitors</td>
<td>1999</td>
</tr>
</tbody>
</table>

Atrazine prohibition

- Prohibition areas first established in 1991
- Prohibition area includes 1.2 million acres
- From 1994-1996, 38% decrease of atrazine concentration in wells
- 6,000 acres recently added

http://cornrootworm.unl.edu/wpcontent/Apr97/atria4f.html