United States Research Update

Dr. Dan Undersander
University of Wisconsin
In 2000 farmers were 1.7% of U.S. population.
U.S. Research Update

- Public funding cut to Universities
  - State funding has declined 40.2% since 1980
    (American Council on Education)
  - Agricultural Colleges hit disproportionately hard
- How are Universities coping?
  - Deriving funding from tuition increases
  - Overhead on research grants
    - Hiring faculty that can obtain grants
    - Hiring faculty in areas were grants exist.
U.S. Research Update – Refereed Publications

Number of articles

- Alfalfa
- Corn
- Soybean

U.S. Research Update
- Research publications

**Alfalfa Publications**

<table>
<thead>
<tr>
<th>Year</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>2013</td>
<td></td>
</tr>
<tr>
<td>2012</td>
<td></td>
</tr>
<tr>
<td>2011</td>
<td></td>
</tr>
<tr>
<td>2010</td>
<td></td>
</tr>
<tr>
<td>2009</td>
<td></td>
</tr>
</tbody>
</table>

**Corn publications**

<table>
<thead>
<tr>
<th>Year</th>
<th>Agron J</th>
<th>Crop Sci</th>
<th>Crop Mgt</th>
</tr>
</thead>
<tbody>
<tr>
<td>2013</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2012</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2011</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2010</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2009</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Change in forage workers

- All have continued to decrease
- Reported expected Extension decrease of 30% by 2018
  ➢ but it has occurred by 2013.

Source: Rouquette et al., J Anim Sci 2009
Research being conducted

- Plant breeding
  - University of California
  - Cornell University
  - New Mexico state

- Agronomy
  - University of Wisconsin
  - University of California
  - North Dakota State University
  - University of Minnesota
  - Pennsylvania State University
  - Ohio State University

- Animal Science
  - University of Wisconsin
U.S. Research Update

- Farmers small and declining % of population
- State public funding for Universities rapidly decreasing
- Grants for production agriculture research generally supported by commodity groups
- Grants from Federal Government generally for basic and/or environmental research
- Many Universities not refilling forage workers positions as they become vacant
- Remaining forage workers talented, dedicated and very productive