FARMING & WATER QUALITY
MY FAMILY; MY FARM;
MY CUSTOMER; OUR FUTURE
EEIS 2015

Leon Corzine Family Farmer
Assumption, Illinois
WHAT CAN BE MORE IMPORTANT?
PRESERVING OUR HERITAGE

CENTENNIAL FARM

IAP

FAMILY OWNERSHIP FOR OVER 100 YEARS

ILLINOIS DEPARTMENT OF AGRICULTURE
LEAVING THE FARM BETTER THAN I FOUND IT
SUSTAINABLE DEVELOPMENT
Development that meets the needs of the present without compromising the ability of future generations to meet their own needs
What’s Sustainability?

- Decreasing soil erosion and increasing efficiency with responsible use of pesticides, fertilizers, and fuel
- Yields continue to increase
How do we do that???

Take a look at new market opportunities
Explore new technologies
  1) is it safe?
  2) is it an improvement?
      a) for the environment
      b) for the farm
      c) for our customer
  3) does it make economic sense?
  4) will we deliver a higher quality product for our customer?
NOT ONE ANIMAL OR PERSON HAS GOTTEN SICK OR DIED FROM A GMO AFTER NEARLY 20 YEARS
No Plow...Residue on surface conservation tillage
No Insecticide
Corn’s Impacts, 1980-2011

<table>
<thead>
<tr>
<th>Land Use</th>
<th>Soil Loss</th>
<th>Irrigation</th>
<th>Energy</th>
<th>Climate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amount of land to produce one bushel of corn</td>
<td>Soil loss per bushel, above a tolerable level</td>
<td>Irrigation water use per bushel</td>
<td>Energy used to produce one bushel</td>
<td>GHG emissions per bushel</td>
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</tbody>
</table>

- Land Use: 30%
- Soil Loss: 67%
- Irrigation: 53%
- Energy: 43%
- Climate: 36%
Our Farm in Central Illinois

Diagram showing the corn yield and nitrogen levels from 1980 to 2015.
WHERE DO WE GO FROM HERE?

NUTRIENT MANAGEMENT
- Split application of nitrogen
- Site specific application of nutrients and seed
- Cover crops

SEED GENETICS AND BIOTECHNOLOGY

REDUCED TILLAGE
- New technology in implements for residue management
- New generation of planting equipment

FIELD PRESCRIPTIONS
- Utilizing new technology and advisor management
- Better utilization of nutrients
- Drone technology for field management

NEW PARTNERSHIPS
- EDF – NCGA – WALTON FOUNDATION
- Working together for the common good
- Addressing customer concerns and desires
- Soil Health Partnership
- Voluntary programs developed with farmers at the table
THANK YOU