SCENARIO PLANNING

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WHY SCENARIO PLANNING?

- Based on uncertainty
- Consider the range of possibilities
- Easily adaptable for operation
- Plan for the worst, hope for the best

What we know today

Uncertainties

GBN 2010
SCENARIO: THE PAST YEAR

2018 Departure (inches) from Previous Annual Max Precipitation, 1977-2017

NOAA Weather Prediction Center using NWS data http://wpc.nws.noaa.gov
PRISM data: Oregon State Univ http://prism.oregonstate.edu
SCENARIO: THE PAST YEAR

Average overnight low temperature in July 2018

[Map of the United States showing temperature variations across different regions with color-coded categories: record coldest, much colder than average, colder than average, near average, warmer than average, much warmer than average, and record warmest.]
### SCENARIO: THE PAST YEAR

**Lincoln Airport Data 1948-2018 (missing 1955-1972)**

<table>
<thead>
<tr>
<th>April Average Temp Top Ten Coldest</th>
<th>May Average Temp Top Ten Warmest</th>
<th>June Total Precip Top Ten Wettest</th>
<th>July Total Precip Top Ten Driest</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 2018 44.4</td>
<td>2018 69.5</td>
<td>2010 9.9</td>
<td>2012 0.33</td>
</tr>
<tr>
<td>2 1997 45.1</td>
<td>1977 68.4</td>
<td>1951 9.76</td>
<td>1983 0.37</td>
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<tr>
<td>3 1983 45.3</td>
<td>1988 67.6</td>
<td>2018 8.83</td>
<td>1974 0.46</td>
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<td>4 1950 45.9</td>
<td>1987 67.3</td>
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<td>2014 0.51</td>
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<tr>
<td>5 1951 46</td>
<td>2012 66.9</td>
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<tr>
<td>6 2013 46.1</td>
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<td>7 1953 46.6</td>
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<td>8 2008 47.3</td>
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<td>9 1993 47.5</td>
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<tr>
<td>10 1995 47.6</td>
<td>2014 65.2</td>
<td>2009 6.18</td>
<td>1984 1.35</td>
</tr>
</tbody>
</table>

*Data from Climod.unL.edu - High Plains Regional Climate Center
Preliminary Data*
SCENARIO: THE PAST YEAR

December 12th - Lincoln
SCENARIO: THE PAST YEAR
SCENARIO: HAVE A PLAN
GOALS FOR PROJECT

1. Share latest science
2. Have open dialogue and listen
3. Discover most impactful conditions
4. Find the needs and help with response and planning
PROCESS

- Gather diverse group
- Update on science
- Discussions
- Create response
OUTCOMES

• Ag has experienced a lot over time

• Extremes (and combination) are critical

• Ag decisions are complex

• Have to be farming in two years to be farming in 50 years

• Key: Find practices that work in multiple scenarios (i.e. No Till)
OUTCOMES

https://weather-ready.unl.edu/
THANKS!

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