

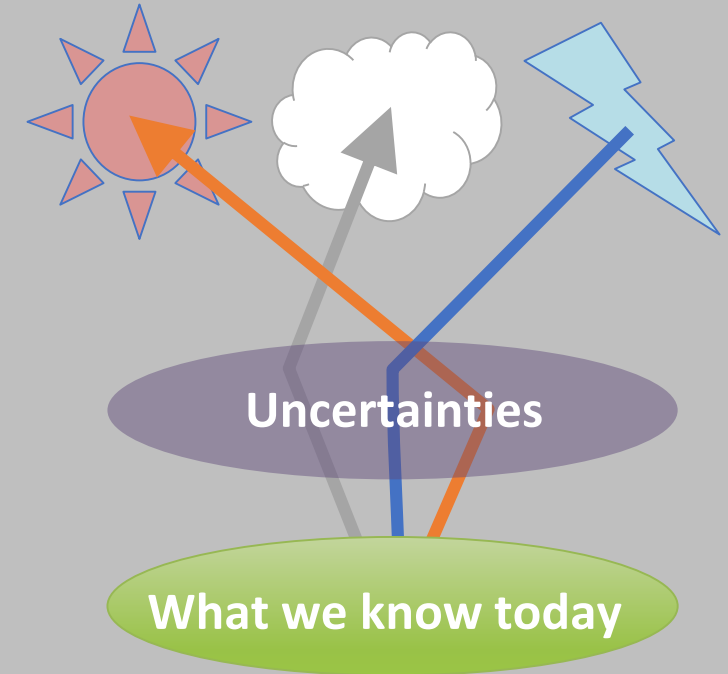
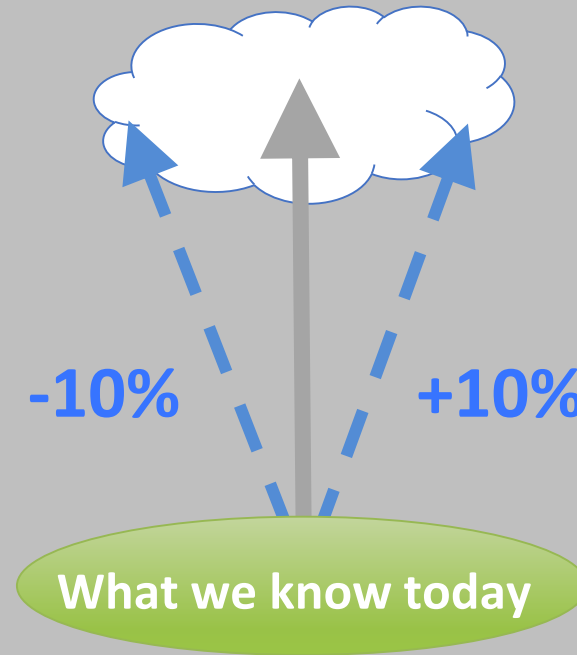
SCENARIO PLANNING

Tyler Williams
Extension Educator
University of Nebraska



WHY SCENARIO PLANNING?

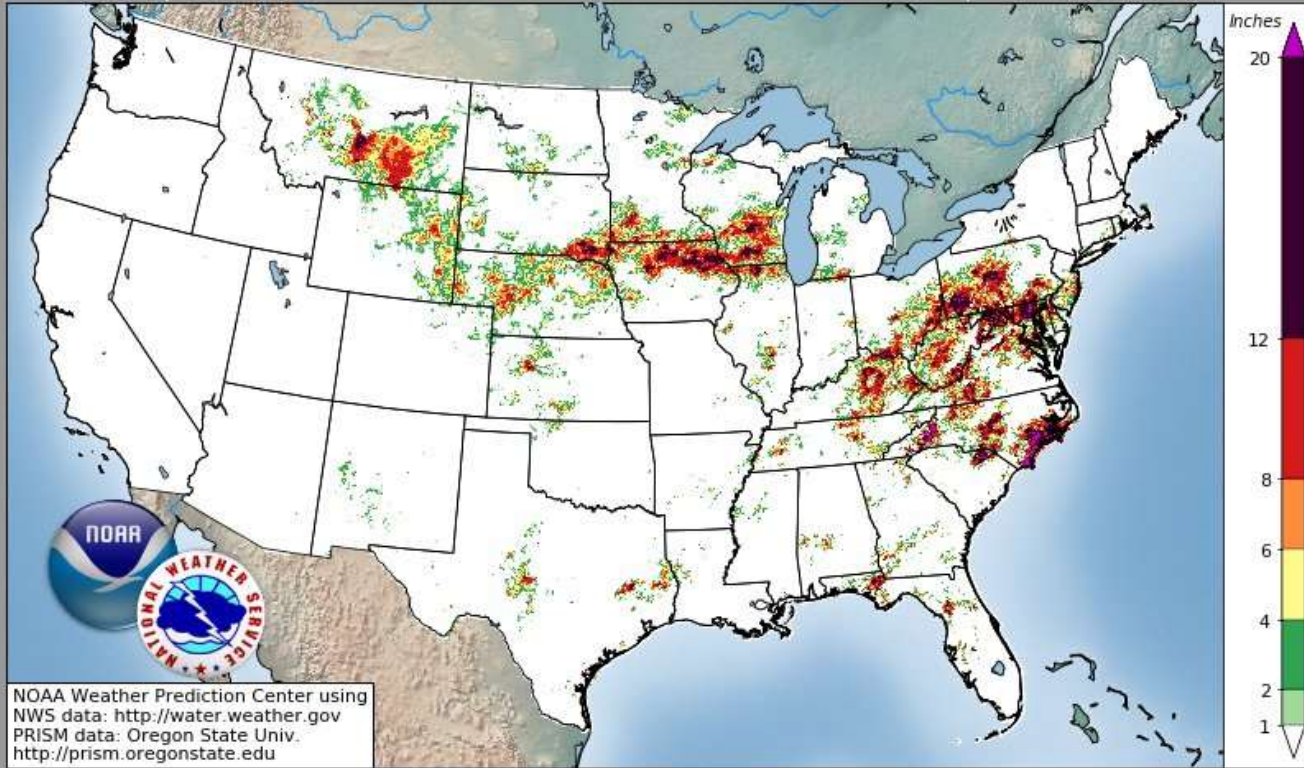
- **Based on uncertainty**
- **Consider the range of possibilities**
- **Easily adaptable for operation**
- **Plan for the worst, hope for the best**



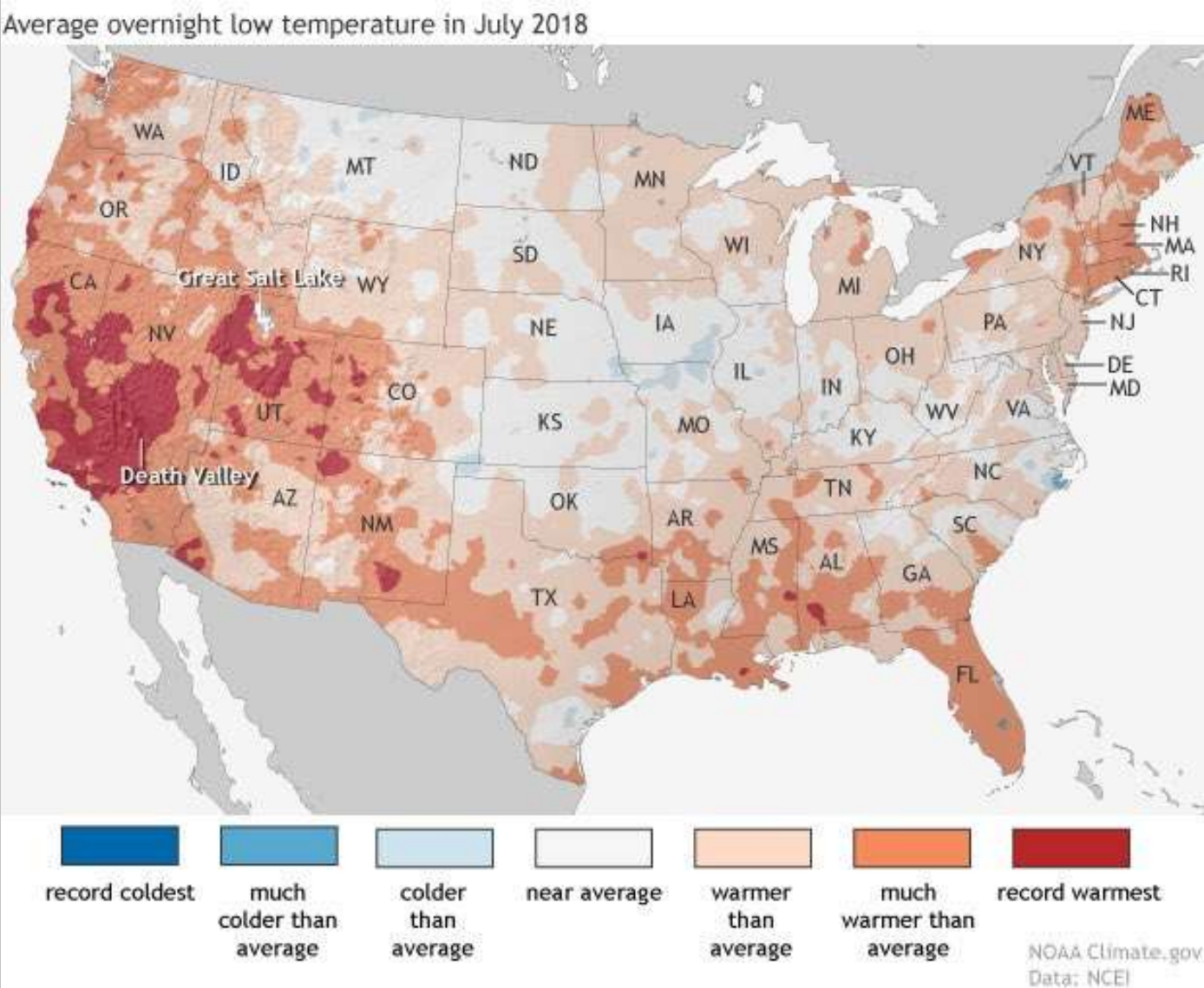
SCENARIO: THE PAST YEAR



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



SCENARIO: THE PAST YEAR



SCENARIO: THE PAST YEAR

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

	April Average Temp Top Ten Coldest		May Average Temp Top Ten Warmest		June Total Precip Top Ten Wettest		July Total Precip Top Ten Driest	
1	2018	44.4	2018	69.5	2010	9.9	2012	0.33
2	1997	45.1	1977	68.4	1951	9.76	1983	0.37
3	1983	45.3	1988	67.6	2018	8.83	1974	0.46
4	1950	45.9	1987	67.3	2008	8.59	2014	0.51
5	1951	46	2012	66.9	1983	7.67	1953	0.92
6	2013	46.1	1991	66.6	2015	7.66	2013	1
7	1953	46.6	2000	66.5	2017	7.35	1988	1.16
8	2008	47.3	1998	66.2	1949	6.93	2007	1.22
9	1993	47.5	2007	65.9	2003	6.79	2018	1.35
10	1995	47.6	2014	65.2	2009	6.18	1984	1.35

*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



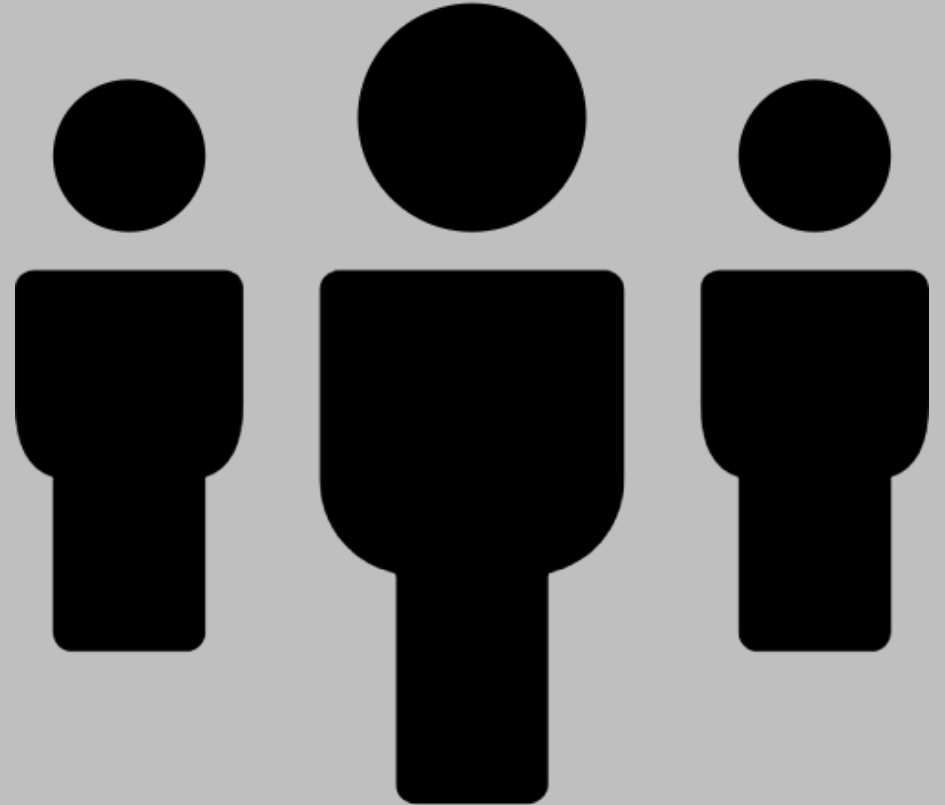
GOALS FOR PROJECT

- 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

N Institute of Agriculture and Natural Resources
WEATHER READY NEBRASKA

ABOUT

Choose your scenario:

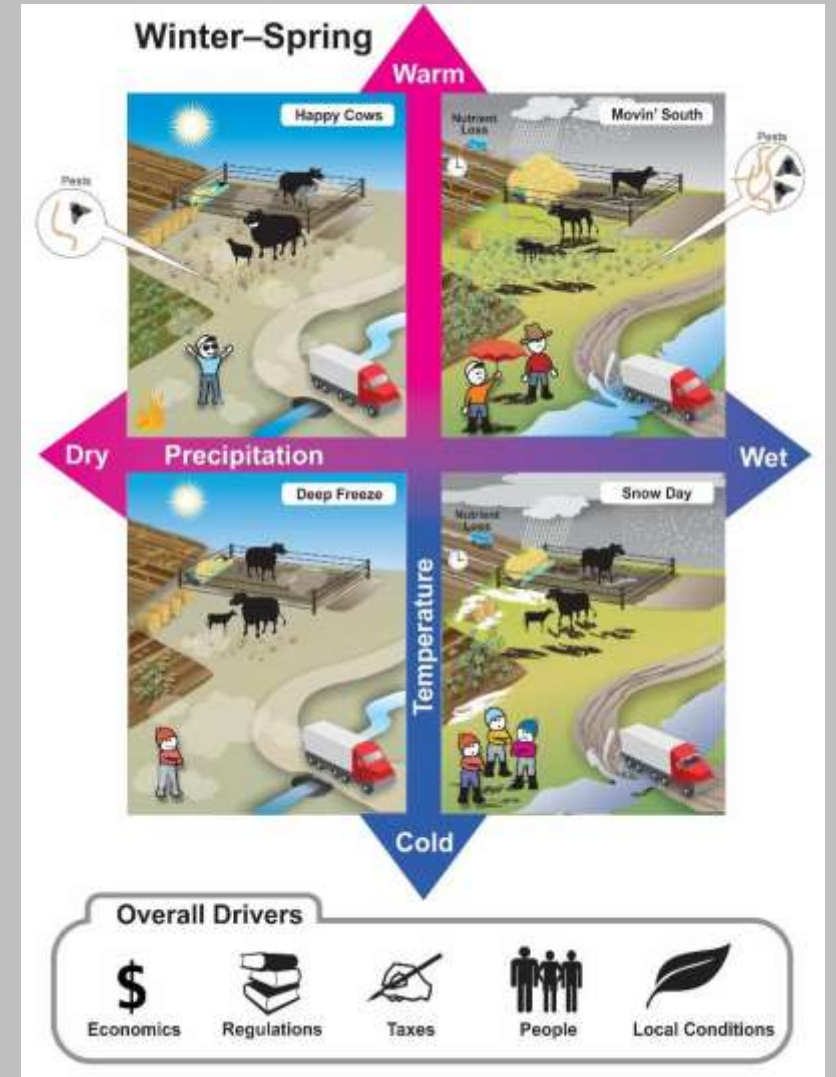
SPRING SUMMER FALL WINTER

HOT/DRY COLD/DRY HOT/WET COLD/WET

1 2 3 4 5 6 7 8 9 10 11 12

MANAGEMENT STRATEGIES

1 Nutrient loss
Quick Tips: In-season nitrogen monitoring, split applications
Resources: [In-Season Nitrogen Management \(ISU\)](#) • [Manage Nitrogen Loss \(UNL\)](#)



<https://weather-ready.unl.edu/>



THANKS!

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