

# Nebraska Ag Climate Update

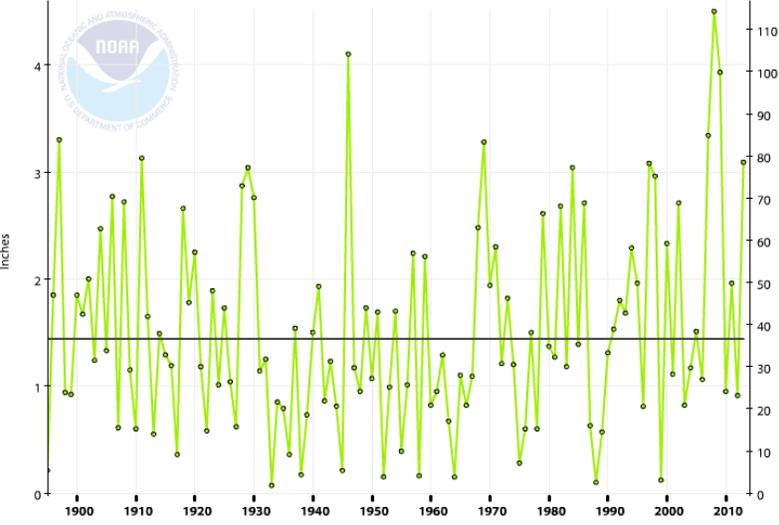
November 18, 2013

## State Summary....

The recent climate and weather headlines for Nebraska have been focusing on the weekly trend of storm systems that have brought in precipitation and cold temperatures. The latest system that came in from the north/northeast brought extremely cold and dry air. On November 12th, many of us experienced some of the coldest temperatures so far this fall. There

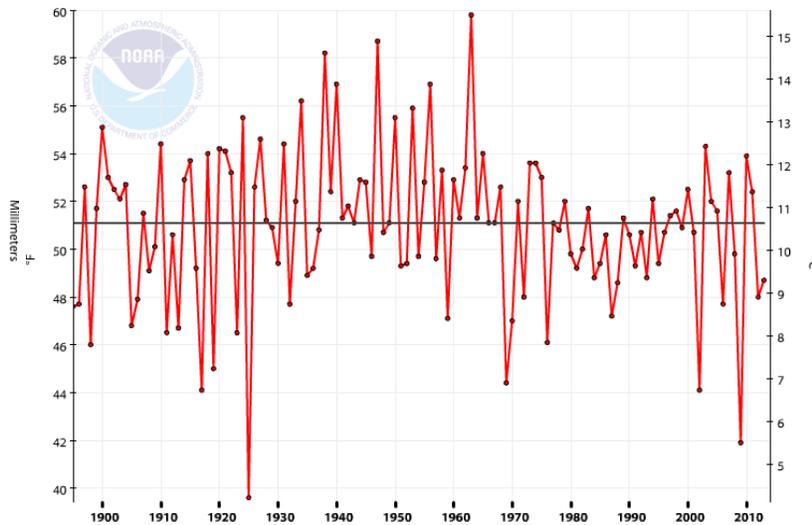
### Nebraska, Precipitation, October

— 1901-2000 Avg: 1.44" — Precipitation



### Nebraska, Temperature, October

— 1901-2000 Avg: 51.1°F — Temperature



were single digit temperatures in northeast Nebraska, teens in the southeast and central, and low 20s in the southwest and northwest. This system was somewhat of a “back-door” system, as it pushed in from the northeast, thus the steep temperature range across the state. This system did not bring in much moisture, but many areas of the state have had frequent precipitation events this fall to help fill the soil profile. Even with a wet October, most of the state is still under some category of drought.

The most recent drought monitor was nearly unchanged from last week as most of the state has been dry for the last 10 days, which is not uncommon for this time of the year. The average total November precipitation for Nebraska ranges from 0.5 inches in the west to 1.5-2.0 inches in the east, so it will take above normal precipitation to have much of an impact on the drought status of the state.

### Thanksgiving Day (November 28) Historical Conditions for Nebraska

Station	Average High Temp (°F)	Average Min Temp (°F)	Highest Max Temp (°F)	Lowest Min Temp (°F)	Temp was <= 32 °F (% of years)	Measurable Snowfall >= 0.1 inch (% of years)	Snow Cover >= 1 inch (% of years)
Alliance	42.5	16.5	76	-13	98%	6%	18%
Ainsworth	41.1	19.6	72	-13	91%	10%	33%
Arthur	42.2	16.7	74	-14	99%	6%	22%
Norfolk	39.0	18.2	62	-6	97%	15%	25%
Broken Bow	42.7	17.0	77	-23	96%	8%	12%
Seward	43.0	21.4	69	-5	91%	9%	16%
Imperial	45.7	19.9	74	-12	93%	7%	25%
Holdrege	43.4	21.2	70	-11	93%	10%	31%
Auburn	45.4	23.5	70	-3	85%	10%	16%

Data from National Weather Service Observation Stations (1902-2012)

**Know how. Know now.**



Extension is a Division of the Institute of Agriculture and Natural Resources at the University of Nebraska–Lincoln cooperating with the Counties and the United States Department of Agriculture.

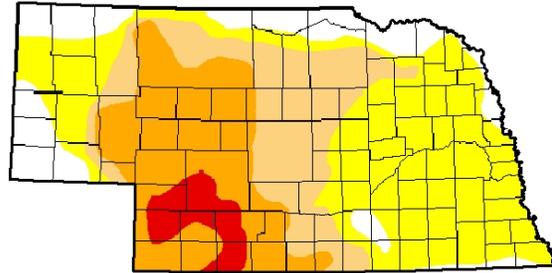
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**Drought Impact...**

The last two years of drought can have an impact on many agricultural decisions, including seed selection, planting population, crop type, tillage practices, fertilizer applications, and grain marketing. Drought conditions can also affect how much soil nitrate-N is left in the soil. Soil sampling is always a good production practice, but may be extra important following a drought year (or two) to measure for residual soil nitrate-N. For guidelines for soil sampling and fertilizer recommendations, visit the November 8, 2013 issue of CropWatch at [www.cropwatch.unl.edu](http://www.cropwatch.unl.edu).

**U.S. Drought Monitor  
Nebraska**

**November 12, 2013**  
(Released Thursday, Nov. 14, 2013)  
Valid 7 a.m. EST



	Drought Conditions (Percent Area)					
	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	13.71	86.29	47.87	27.39	4.76	0.00
Last Week 11/5/2013	13.49	86.51	47.85	27.39	4.76	0.00
3 Months Ago 8/13/2013	3.38	96.62	87.05	65.79	30.80	0.78
Start of Calendar Year 1/1/2013	0.00	100.00	100.00	100.00	96.20	77.46
Start of Water Year 10/1/2012	3.22	96.78	85.48	49.34	6.60	0.00
One Year Ago 11/13/2012	0.00	100.00	100.00	99.69	96.16	77.45

**Intensity:**  
 D0 Abnormally Dry      D3 Extreme Drought  
 D1 Moderate Drought      D4 Exceptional Drought  
 D2 Severe Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

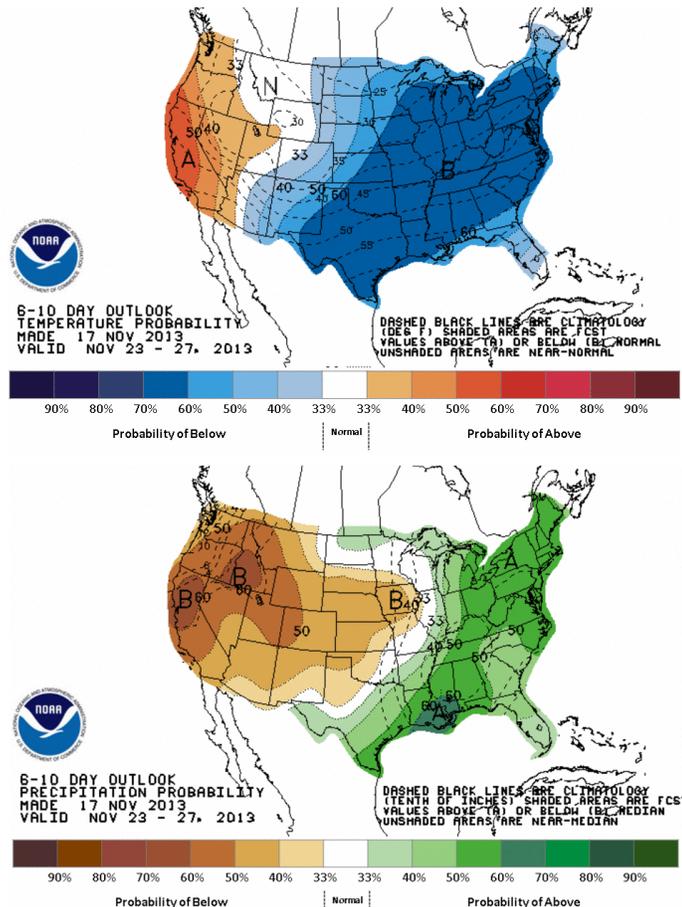
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<http://droughtmonitor.unl.edu/>

**Looking Ahead....**

The next couple days should bring us some very pleasant weather, but things will change by the end of the week. We can expect dry conditions with plenty of sunshine, but a system will move through Thursday and Friday bringing us some precipitation and cold temperatures. The precipitation should be in the form of a rain/snow mix for the southeastern 1/3 of Nebraska and the rest of the state will primarily see snow. Right now, the amount of precipitation looks to remain light, but this strong trough will bring in temperatures that are much below normal for a large portion of the U.S. After this system moves through, we will have a couple days of very cold temperatures, but will start to warm back up the beginning of next week. The long-term forecast still lacks confidence, so it is hard to tell what may happen after the next week or two.

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**Temperature (top) and precipitation (bottom) outlook for Nov. 23-27.**

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