

Hydrologic and Climate Assessment

November 3, 2017



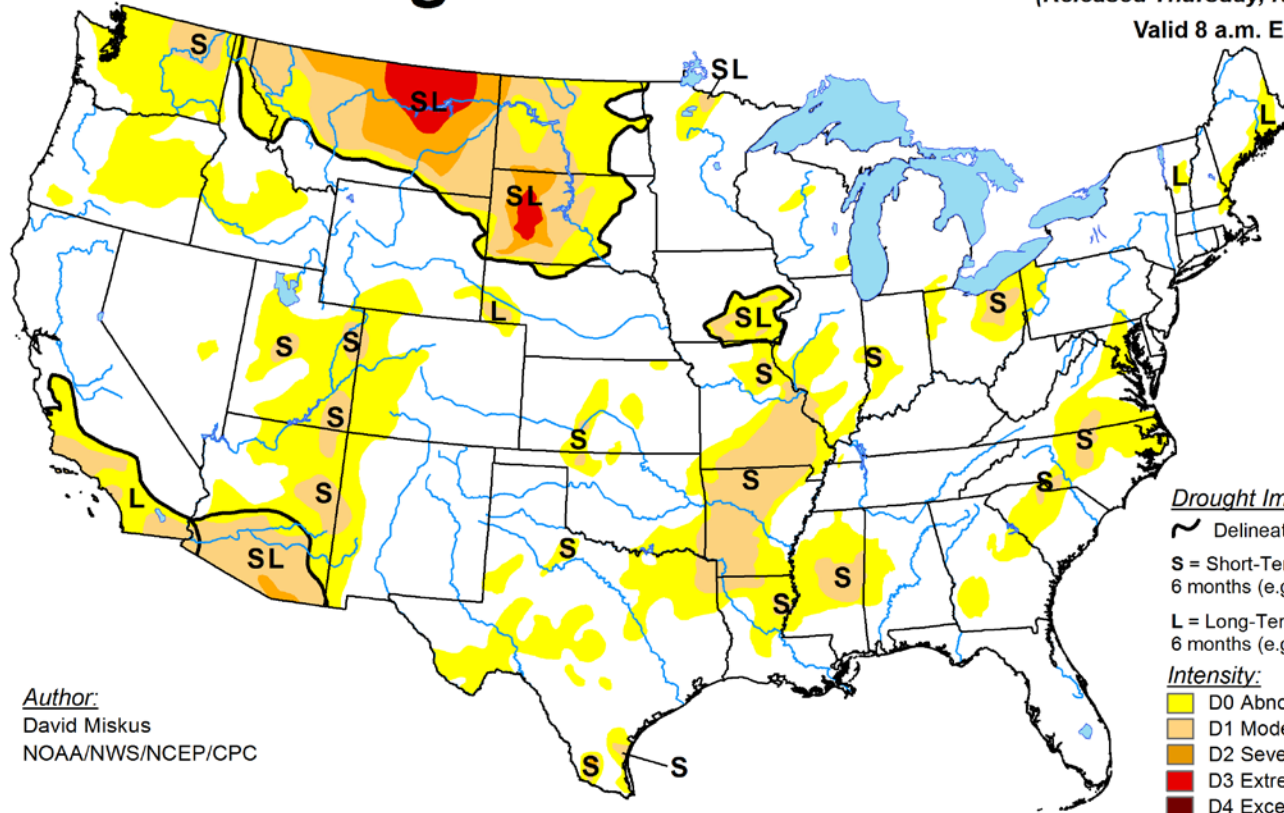
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COLLEGE OF FOOD, AGRICULTURAL, AND ENVIRONMENTAL SCIENCES
DEPARTMENT OF EXTENSION
BYRD POLAR & CLIMATE RESEARCH CENTER
DEPARTMENT OF GEOGRAPHY

U.S. Drought Monitor

October 31, 2017
(Released Thursday, Nov. 2, 2017)

Valid 8 a.m. EDT



Author:
David Miskus
NOAA/NWS/NCEP/CPC

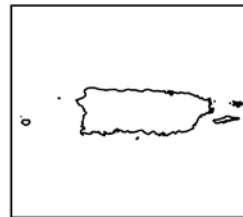
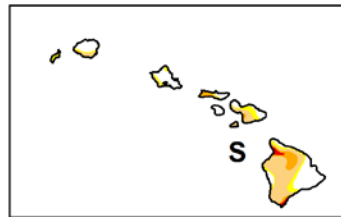
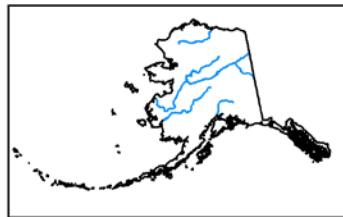
Drought Impact Types:

- ~ Delineates dominant impacts
- S = Short-Term, typically less than 6 months (e.g. agriculture, grasslands)
- L = Long-Term, typically greater than 6 months (e.g. hydrology, ecology)

Intensity:

- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

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



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

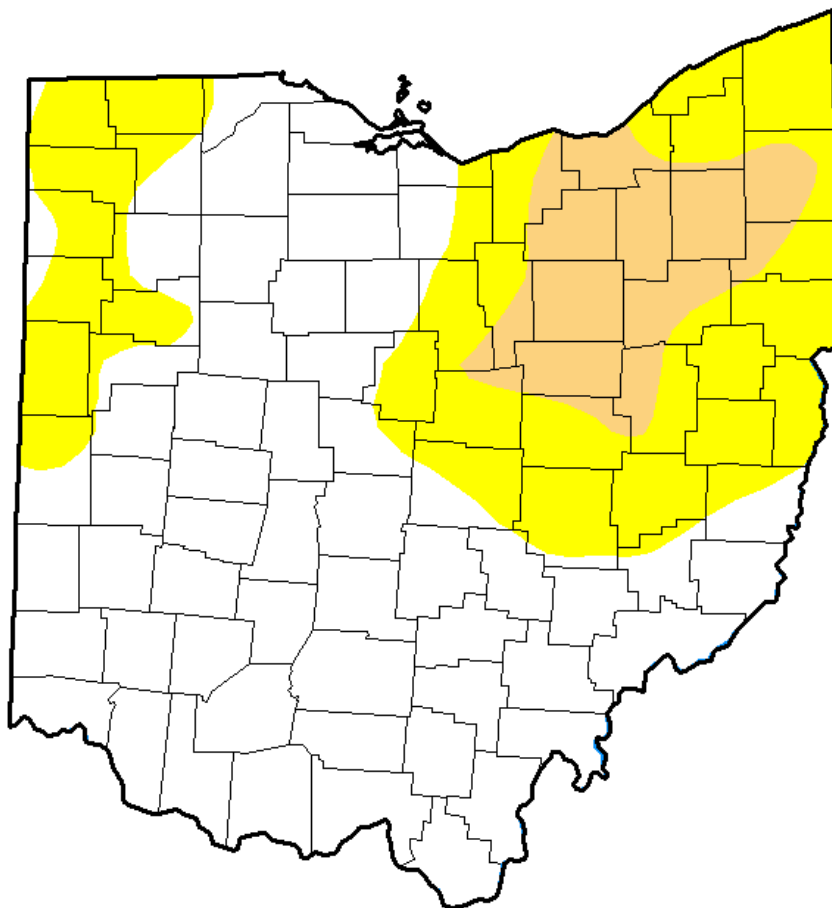


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U.S. Drought Monitor Ohio

October 31, 2017
(Released Thursday, Nov. 2, 2017)
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Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	60.25	39.75	10.97	0.00	0.00	0.00
Last Week <i>10-24-2017</i>	45.86	54.14	14.19	0.00	0.00	0.00
3 Months Ago <i>08-01-2017</i>	100.00	0.00	0.00	0.00	0.00	0.00
Start of Calendar Year <i>01-03-2017</i>	88.16	11.84	0.00	0.00	0.00	0.00
Start of Water Year <i>09-26-2017</i>	71.57	28.43	3.85	0.00	0.00	0.00
One Year Ago <i>11-01-2016</i>	98.53	1.47	0.00	0.00	0.00	0.00

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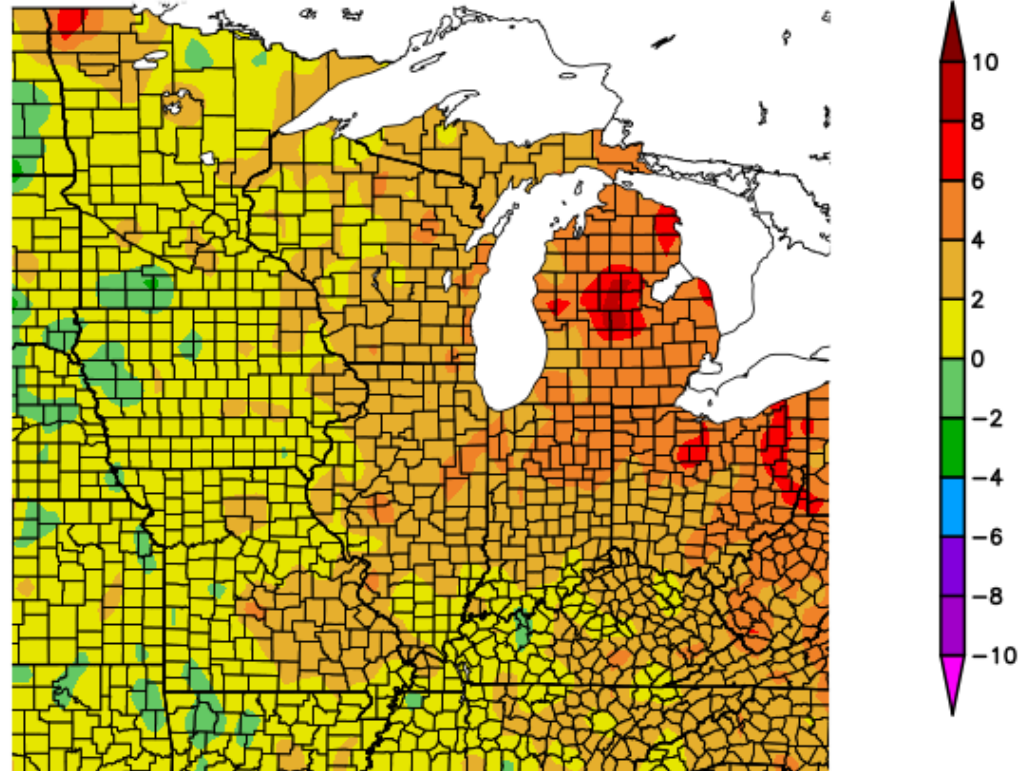
David Miskus
NOAA/NWS/NCEP/CPC



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

Previous 30-Day Temperature Difference Compared to Average (1981-2010)

Departure from Normal Temperature (F)
10/4/2017 - 11/2/2017



NATIONAL INTEGRATED DROUGHT INFORMATION SYSTEM
NIDIS Drought.gov
U.S. Drought Portal

Generated 11/3/2017 at HPRCC using provisional data.

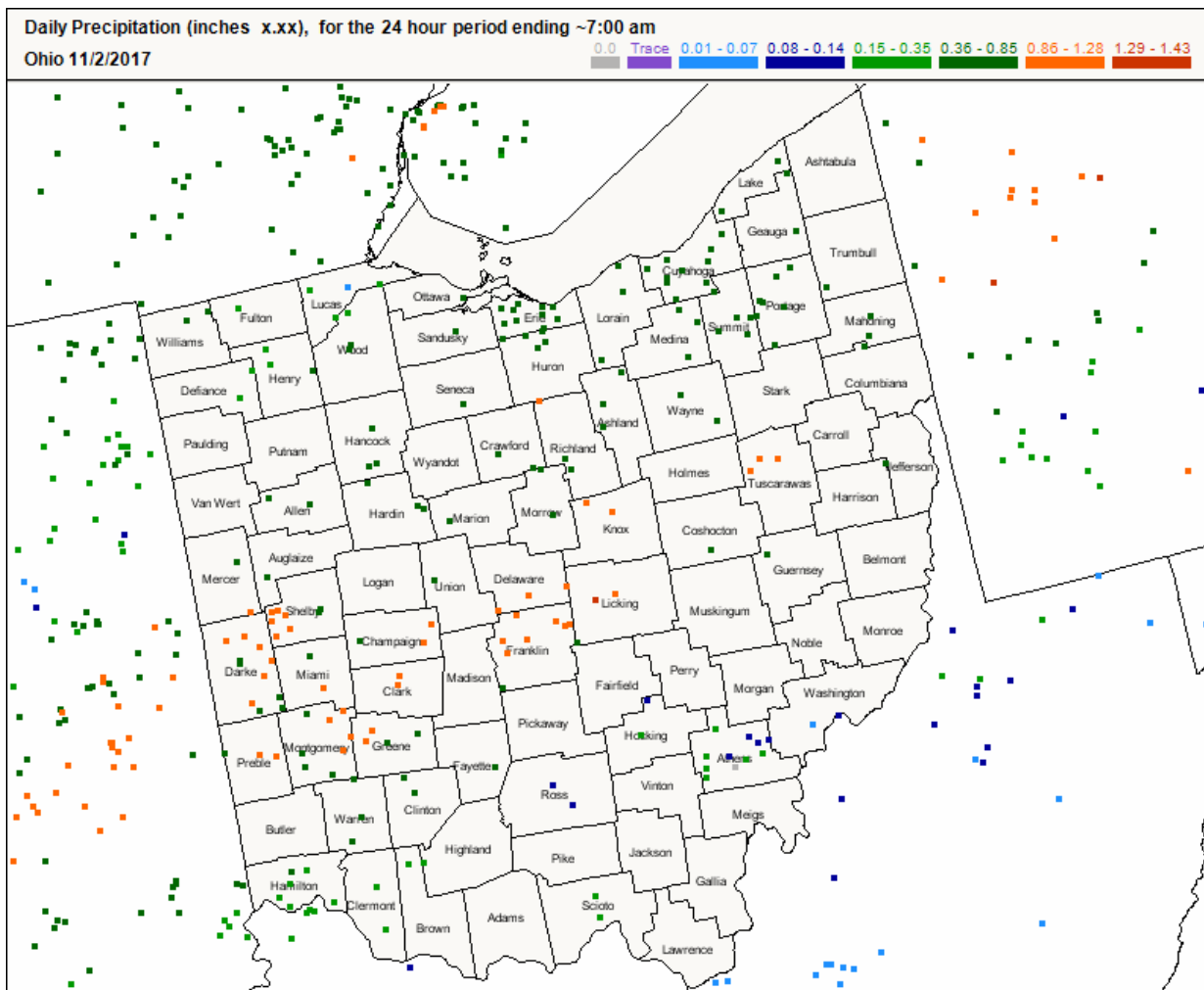
NOAA Regional Climate Centers



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CoCoRaHS Observed Precipitation: November 2

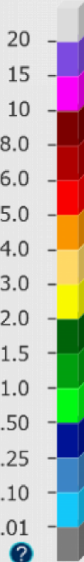
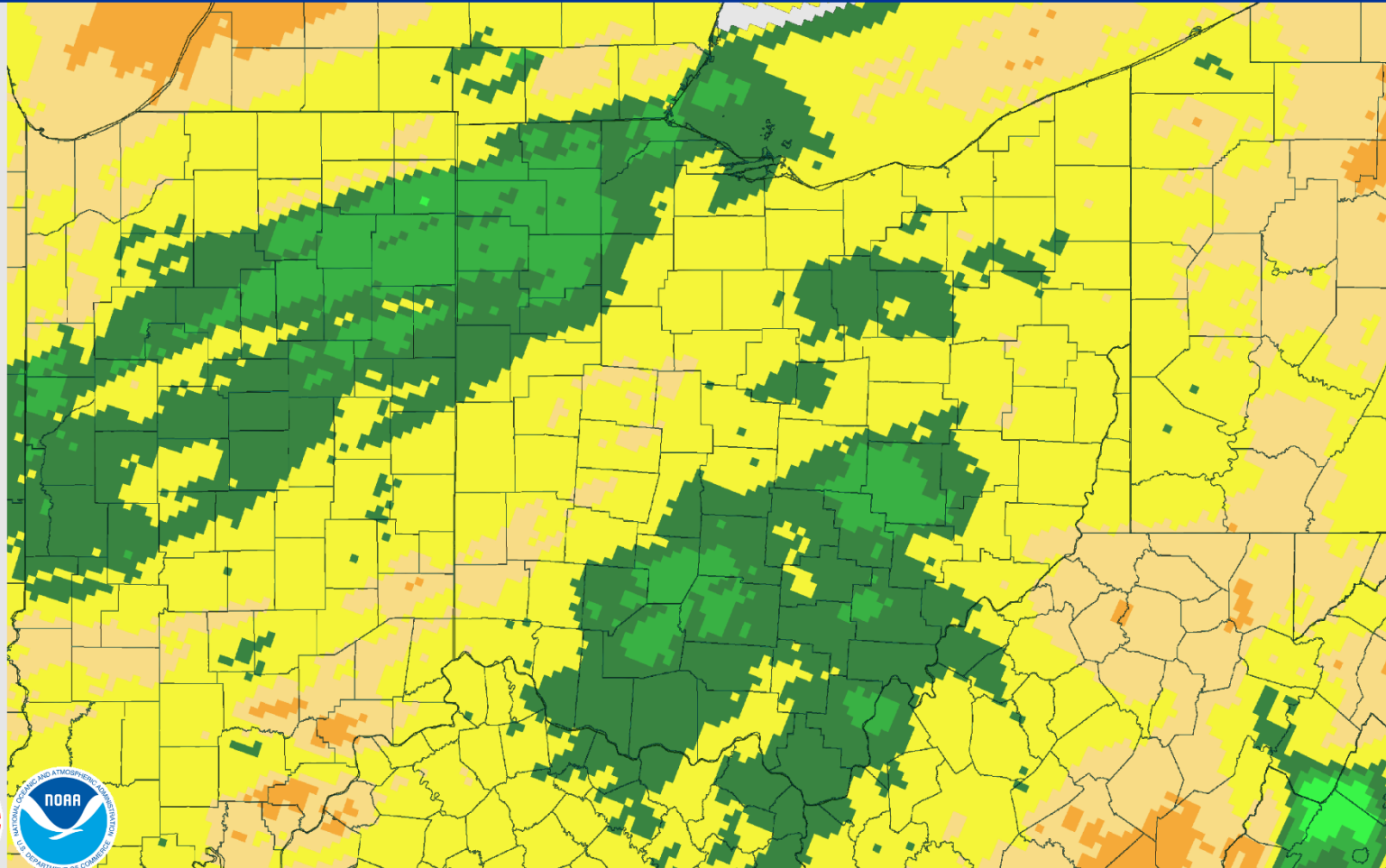


Previous 14-Day Precipitation: Total

November 03, 2017 14-Day Observed Precipitation

Created on: November 03, 2017 - 18:13 UTC

Valid on: November 03, 2017 12:00 UTC



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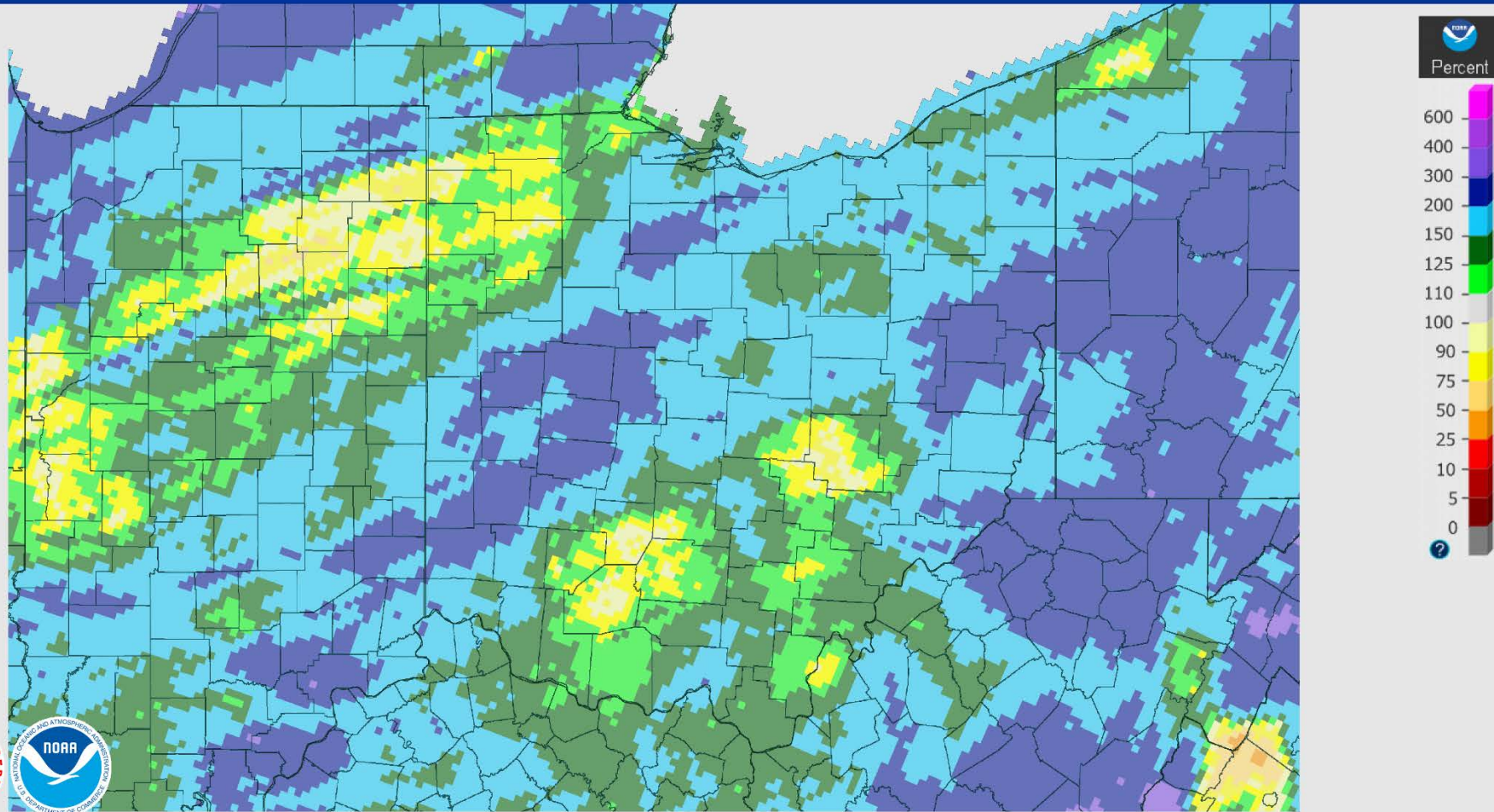
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Previous 14-Day Precipitation: Percent of Normal

November 03, 2017 14-Day Percent Precipitation

Created on: November 03, 2017 - 18:13 UTC

Valid on: November 03, 2017 12:00 UTC

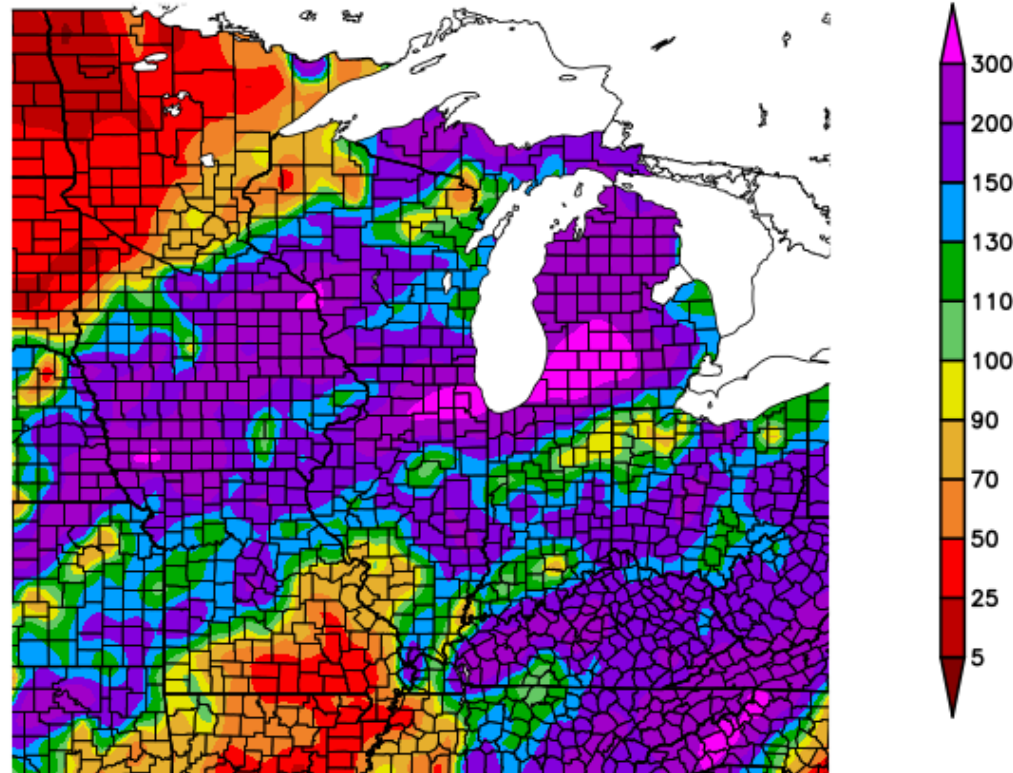


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Previous 30-Day Precipitation Difference Compared to Average (1981-2010)

Percent of Normal Precipitation (%)
10/4/2017 - 11/2/2017



NATIONAL INTEGRATED DROUGHT INFORMATION SYSTEM
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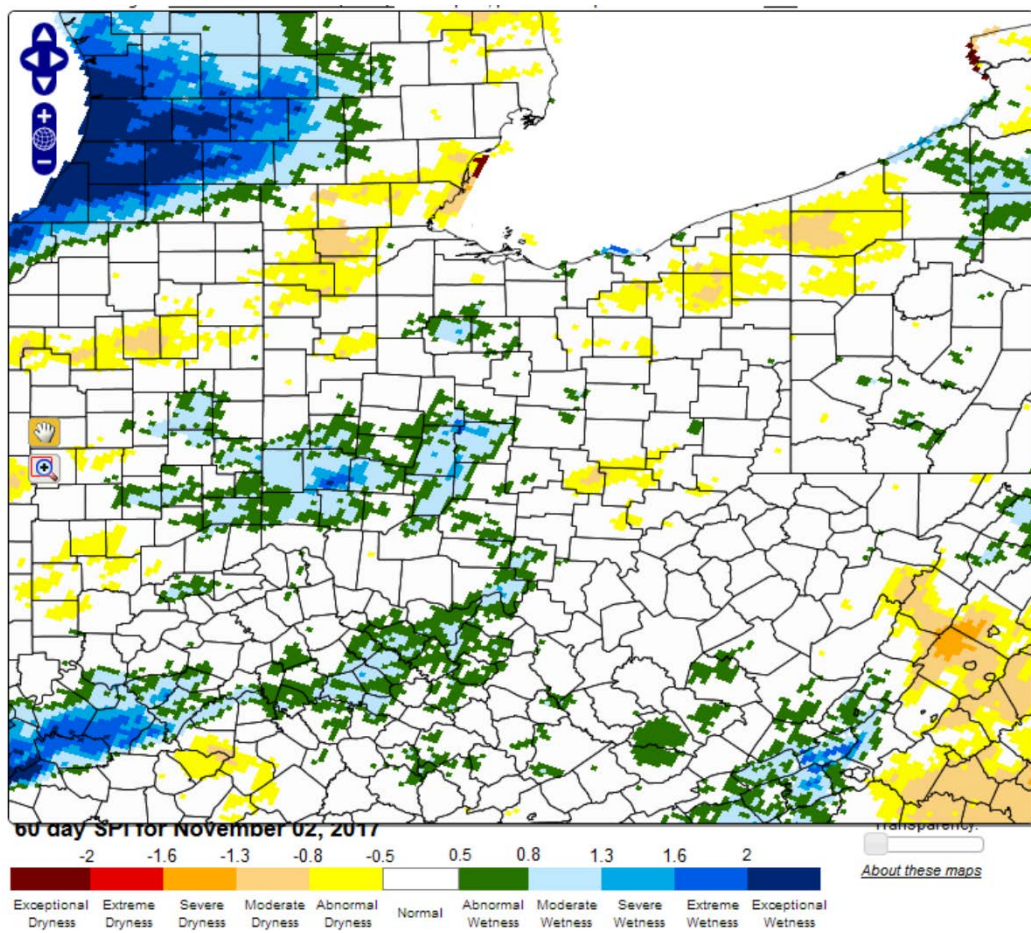
Standard Precipitation Index (SPI)

 **State Climate Office of North Carolina** Email: sco@climate.ncsu.edu Phone: 919-515-3056

Data and Products Aspects of NC Climate Educational Outreach About Our Office Search

Experimental High Resolution Drought Trigger Tool

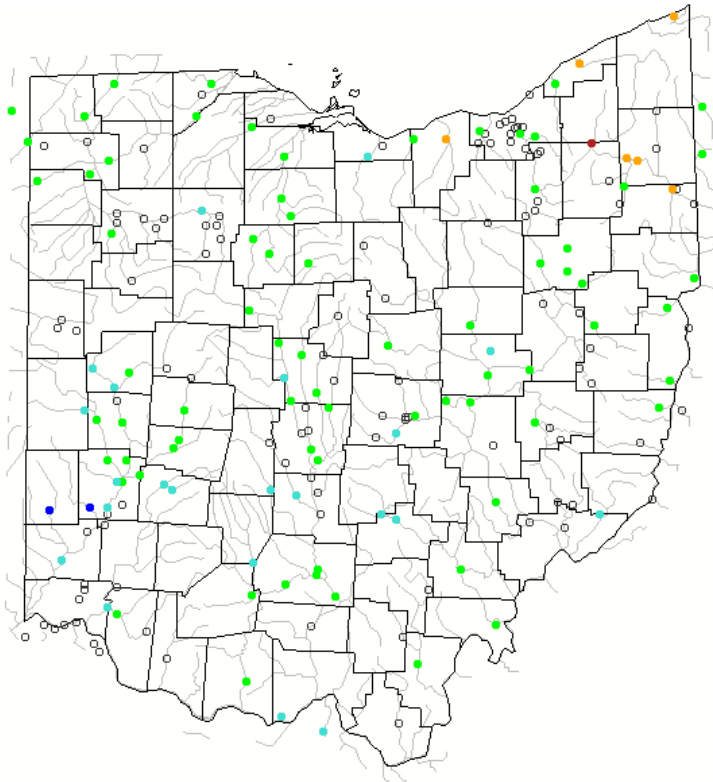
60-Day



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7-DAY



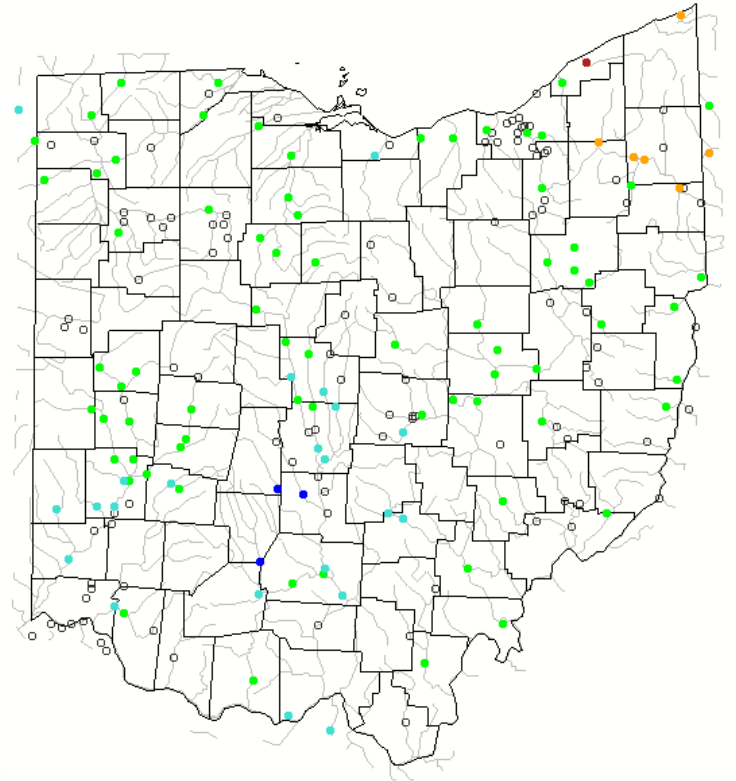
Explanation - Percentile classes

Low	<10 Much below normal	10-24 Below normal	25-75 Normal	76-90 Above normal	>90 Much above normal	High	Not-ranked

Average streamflow compared to historical streamflow for the day of the year

USGS Streamflow

28-DAY



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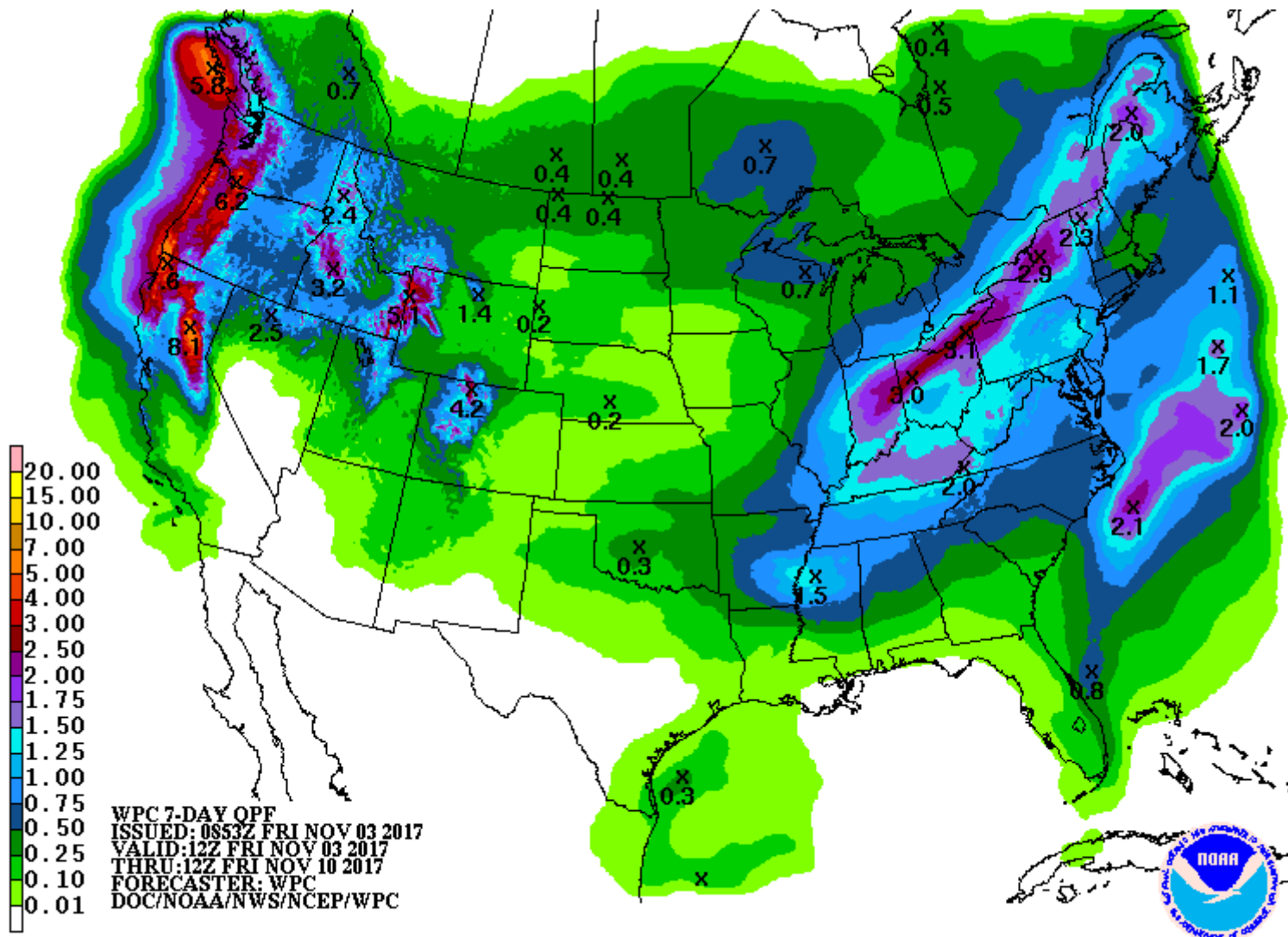
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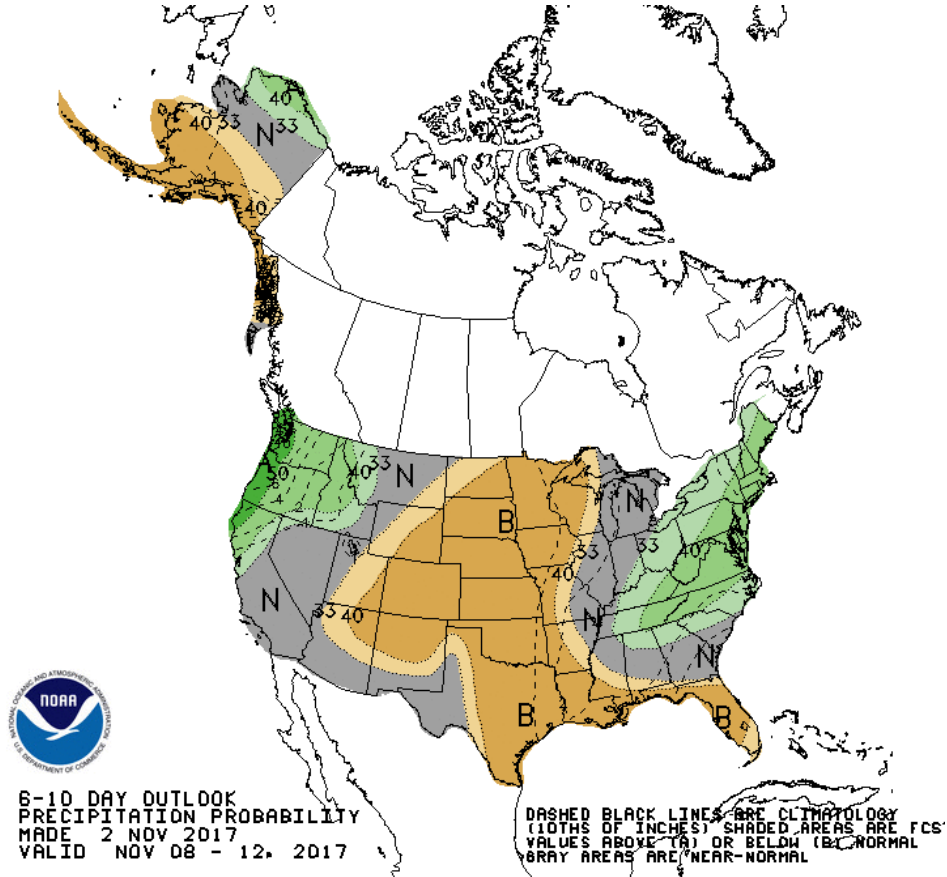
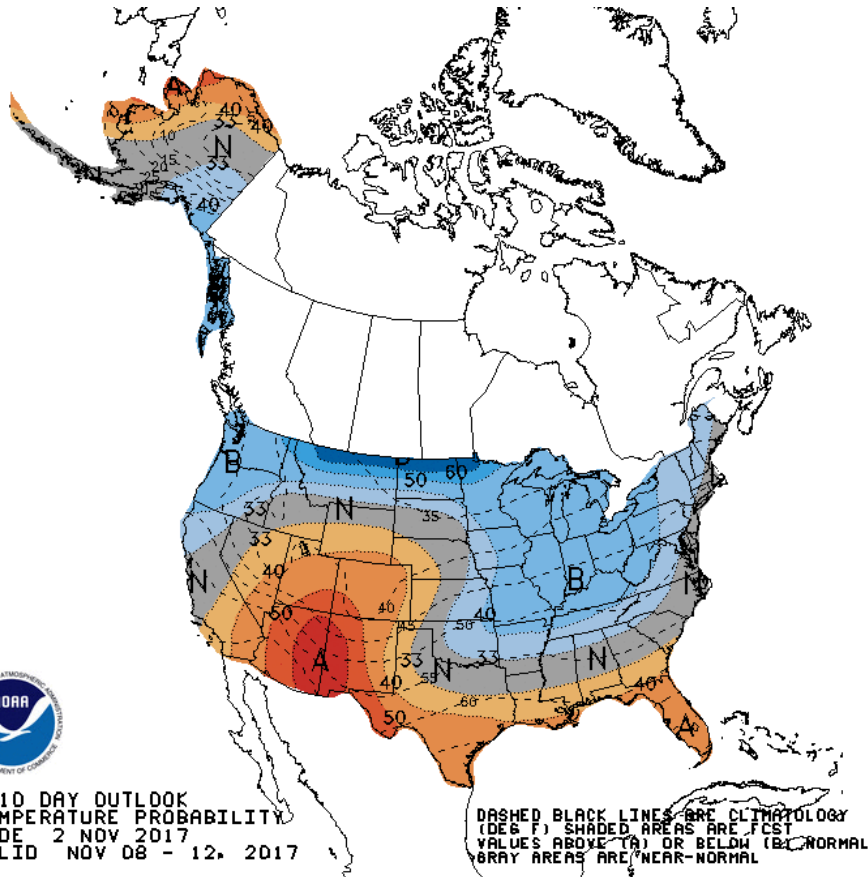
Weather for the Week Ahead



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6-10 Day Outlook



Highs: Mid to Upper 50s

Lows: Mid to Upper 30s

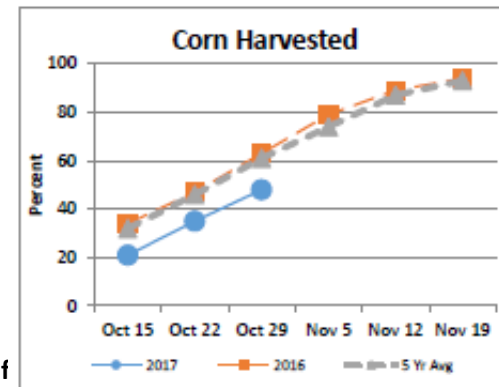
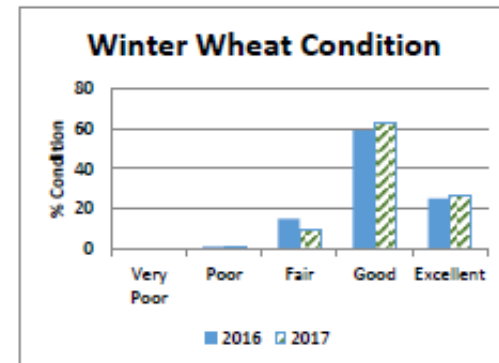
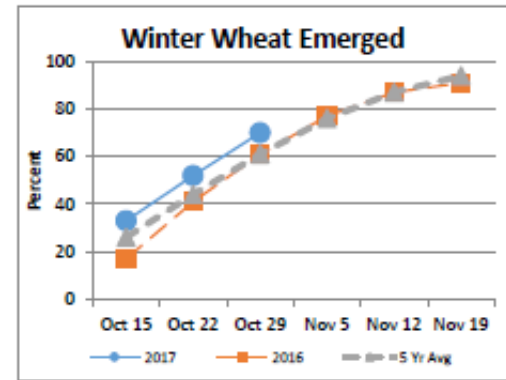


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Ag Highlights

- 3.7 days available for fieldwork for the week ending October 29, 2017
- Corn harvest behind the 5-year average by 13% and soybean behind 2%
- Frost ended the season for some vegetable producers and road side stands.
- Winter wheat, hay seedings, and cover crops were reported to be in good condition.



NASS: Cheryl Turner –

https://www.nass.usda.gov/Statistics_by_State/Ohio/Publications/Crop_Progress_&_Condition/2017/cw3017oh.pdf



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Summary of Conditions



Drought Monitor: Frequent rain showers have lessened drought impacts in Ohio

30-Day and 60-Day: Still some lingering dryness across the northeast

The week ahead: Damp weekend; Perhaps some severe weather/flooding



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