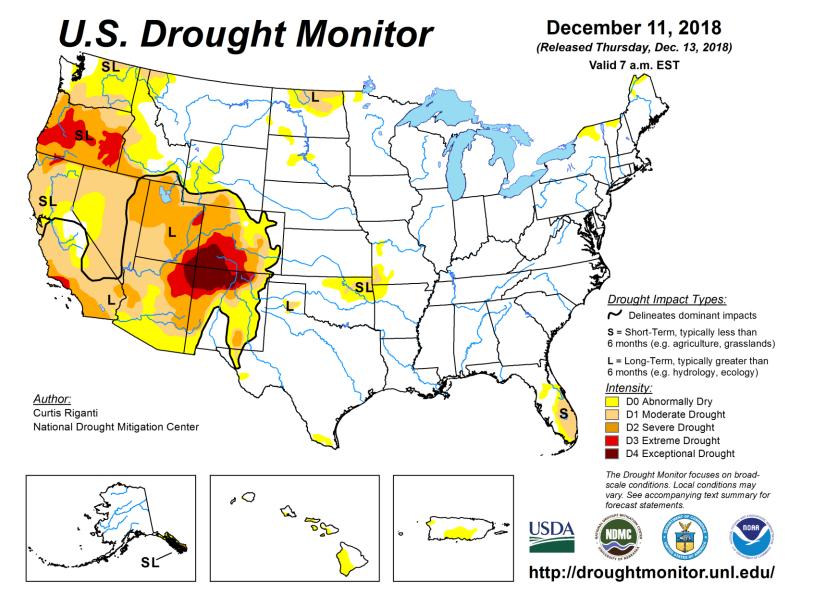
### Hydrologic and Climate Assessment December 14, 2018





Aaron B. Wilson STATE CLIMATE OFFICE OF OHIO (SCOO) DEPARTMENT OF EXTENSION - CFAES BYRD POLAR & CLIMATE RESEARCH CENTER DEPARTMENT OF GEOGRAPHY



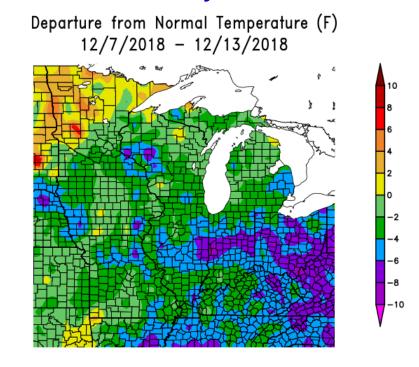
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### Temperature Differences Compared to Average (1981-2010)

#### 7-Day



Generated 12/14/2018 at HPRCC using provisional data.

NOAA Regional Climate Centers





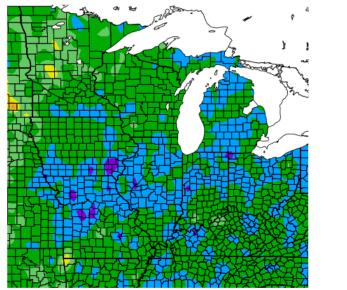
# Temperature Differences Compared to Average (1981-2010)

-2

-6 -8 -10

#### **30-Day**

Departure from Normal Temperature (F) 11/14/2018 - 12/13/2018



Generated 12/14/2018 at HPRCC using provisional data.

#### 60-Day

Departure from Normal Temperature (F) 10/15/2018 - 12/13/2018

NOAA Regional Climate Centers Generated 12/14/2018 at HPRCC using provisional data.

NOAA Regional Climate Centers

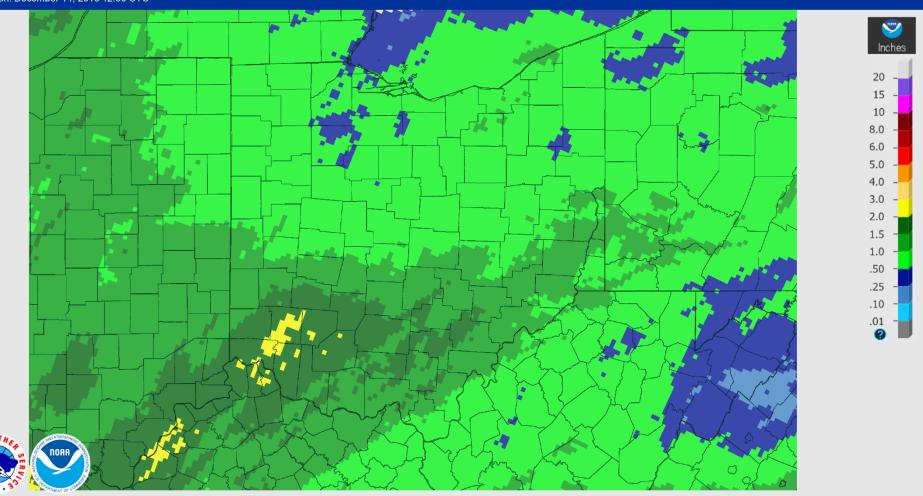




#### **Previous 14-Day Precipitation: Total**

#### December 14, 2018 14-Day Observed Precipitation

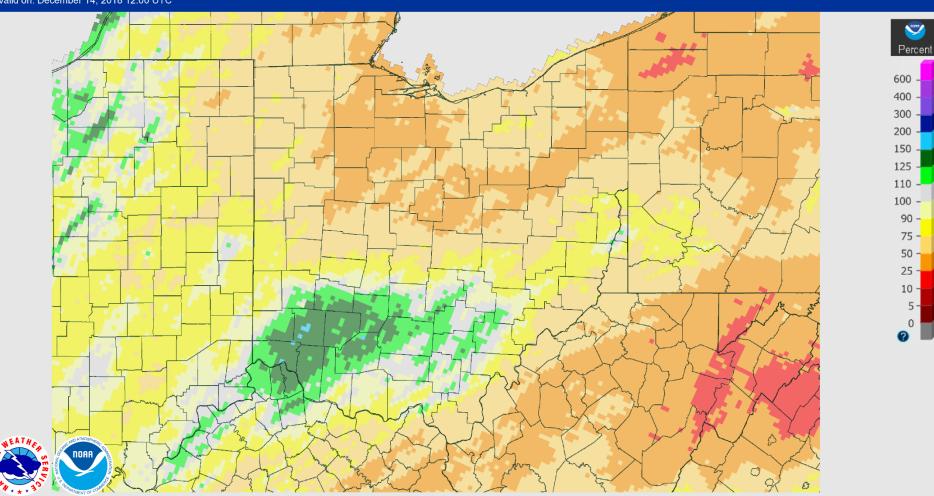
Created on: December 14, 2018 - 20:06 UTC Valid on: December 14, 2018 12:00 UTC





### **Previous 14-Day Precipitation:** Percent of Normal

December 14, 2018 14-Day Percent Precipitation Created on: December 14, 2018 - 20:06 UTC Valid on: December 14, 2018 12:00 UTC





### Precipitation Differences Compared to Average (1981-2010)

300

200

150

130

110

100

90

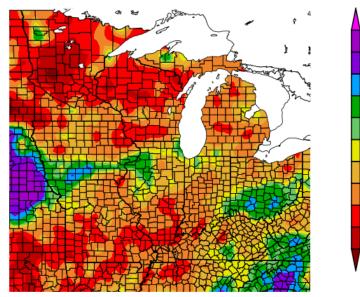
70

50

25

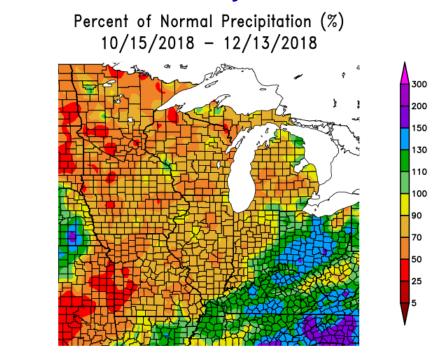
#### **30-Day**

Percent of Normal Precipitation (%) 11/14/2018 - 12/13/2018



Generated 12/14/2018 at HPRCC using provisional data.

60-Day

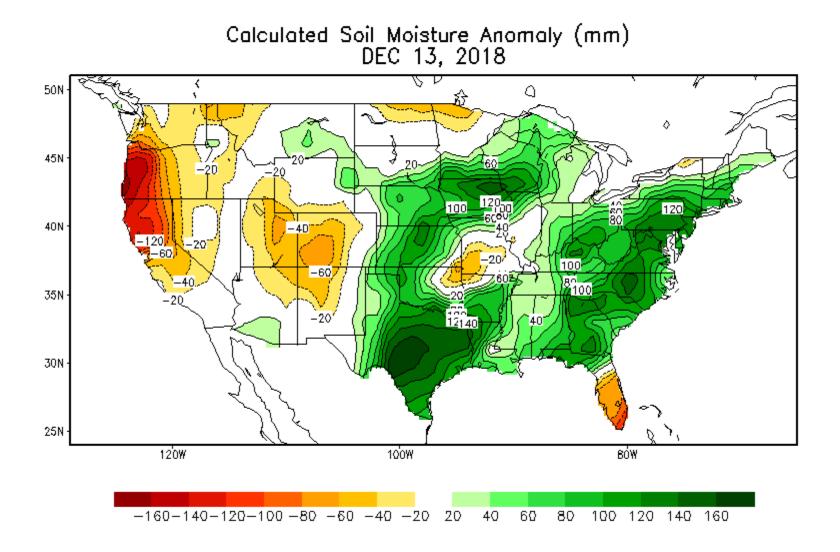


NOAA Regional Climate Centers Generated 12/14/2018 at HPRCC using provisional data.

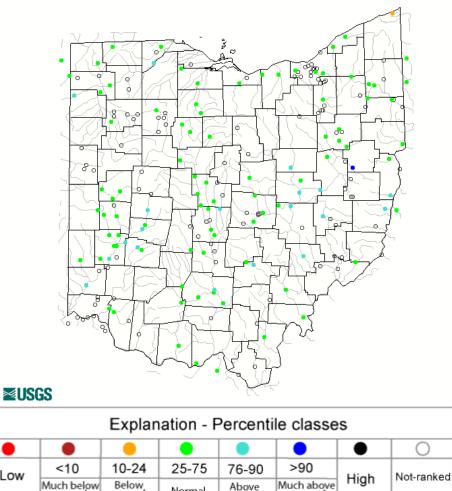
NOAA Regional Climate Centers



### **Soil Moisture**



**7-DAY** 



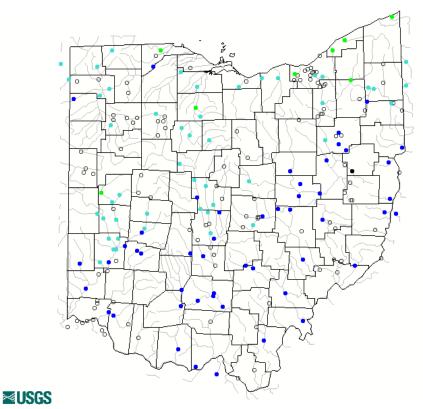
Average streamflow compared to historical streamflow for the day of the year

normal

normal

**USGS** Streamflow

**28-DAY** 



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Normal

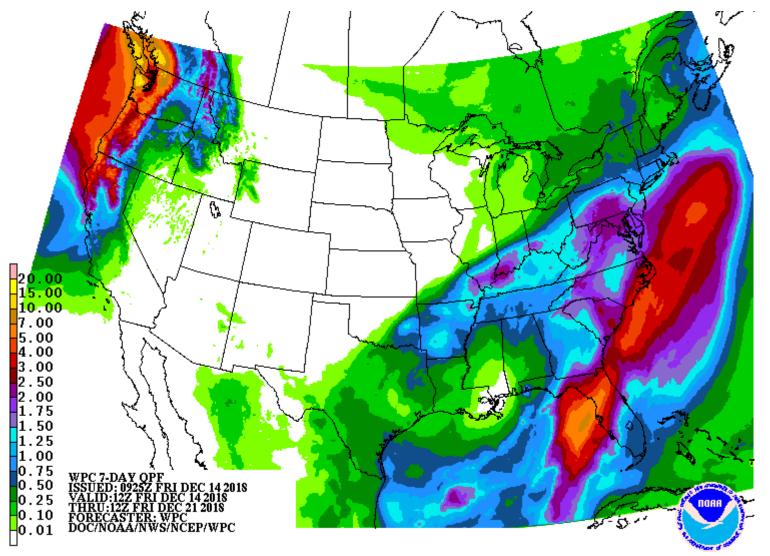
normal

norma

Low

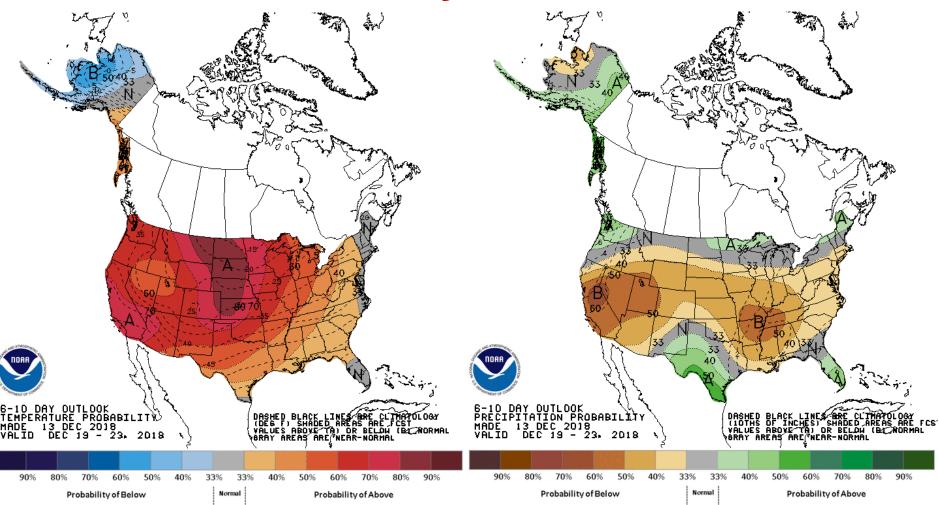
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### Weather for the Week Ahead





### 6-10 Day Outlook



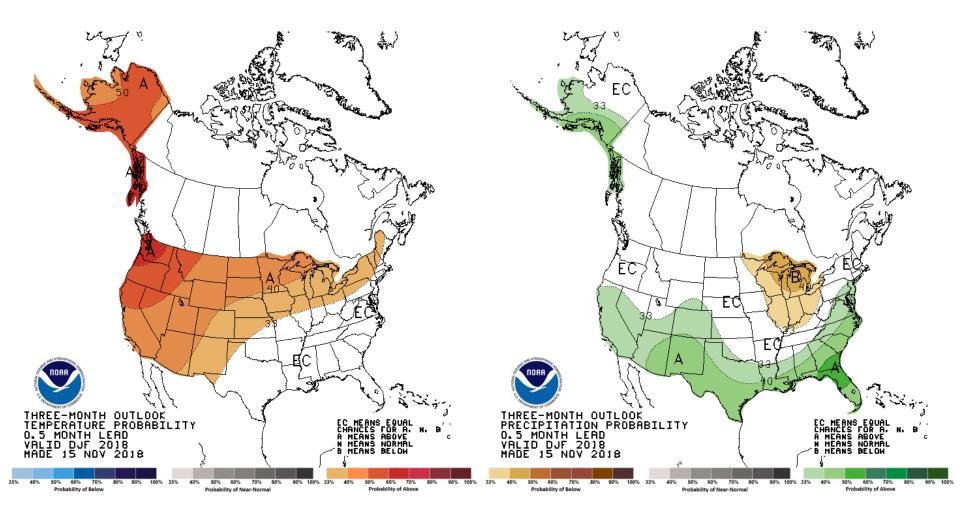
Highs: 37-42°F; Lows: 23-27°F; Precip: ~0.75" (per week)

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### **December – February Outlook**



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## **Ag Highlights**

- Next NASS Update is January 2
- A fair amount of crops still waiting to be harvested many were waiting for frozen ground
- Some progress made over the last week
- Disease and quality issues are possible

#### NASS: Cheryl Turner -

https://www.nass.usda.gov/Statistics\_by\_State/Ohio/Publications/Crop\_Progress\_&\_Condition/2017/cw3017oh.pdf



# **Summary of Conditions**



Drought Monitor: No drought - saturated

Climate Recap: Cold and wet; soils are saturated and streams are running normal to high

**The week ahead:** Rainy early this weekend then drier; warmer weather expected over the next 6-10 days

