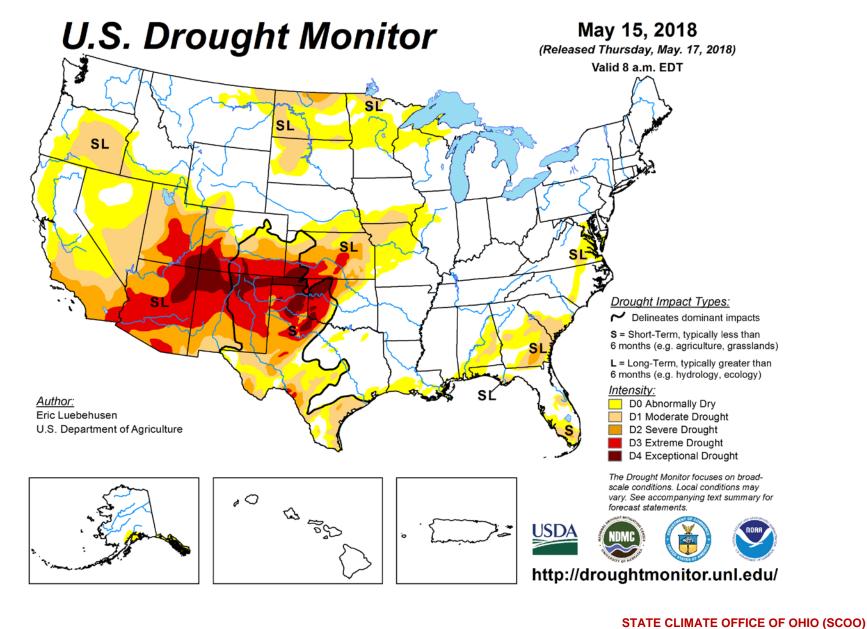
# Hydrologic and Climate Assessment May 17, 2018





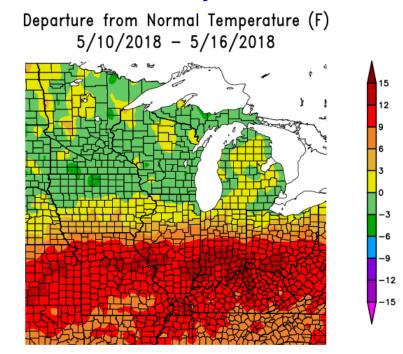
Aaron B. Wilson STATE CLIMATE OFFICE OF OHIO (SCOO) DEPARTMENT OF EXTENSION - CFAES BYRD POLAR & CLIMATE RESEARCH CENTER DEPARTMENT OF GEOGRAPHY



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

#### 7-Day



Generated 5/17/2018 at HPRCC using provisional data.

NOAA Regional Climate Centers





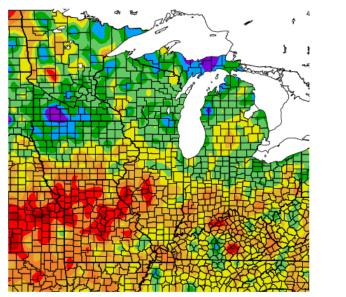
# Temperature Differences Compared to Average (1981-2010)

-2

-3

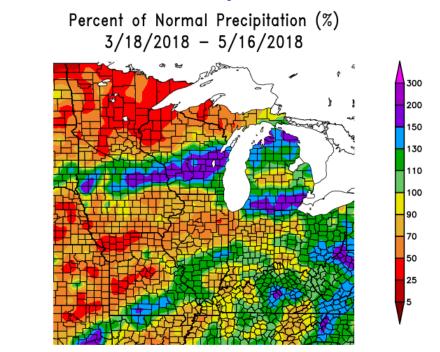
#### **30-Day**

Departure from Normal Temperature (F) 4/17/2018 - 5/16/2018



Generated 5/17/2018 at HPRCC using provisional data.

#### 60-Day



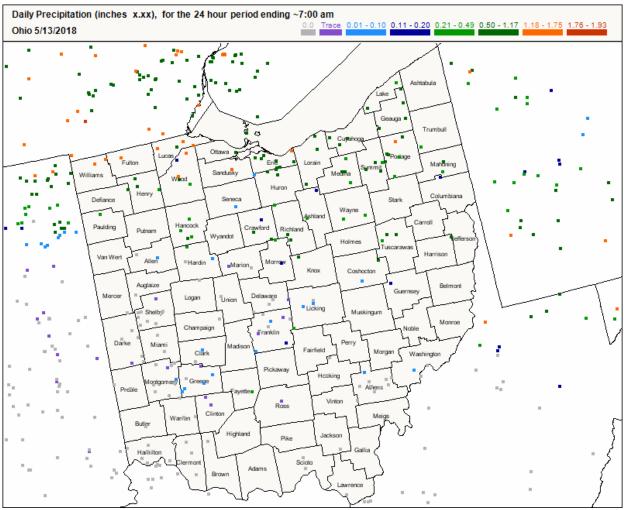
NOAA Regional Climate Centers Generated 5/17/2018 at HPRCC using provisional data.

NOAA Regional Climate Centers





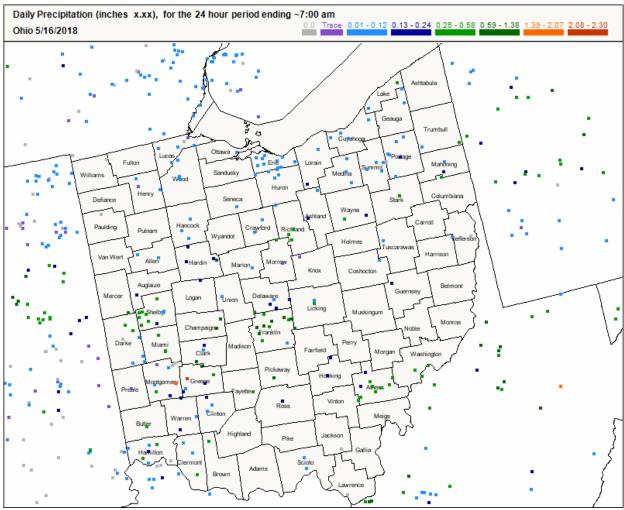
# CoCoRaHS Observed Precipitation: May 13



#### STATE CLIMATE OFFICE OF OHIO (SCOO)



# CoCoRaHS Observed Precipitation: May 16



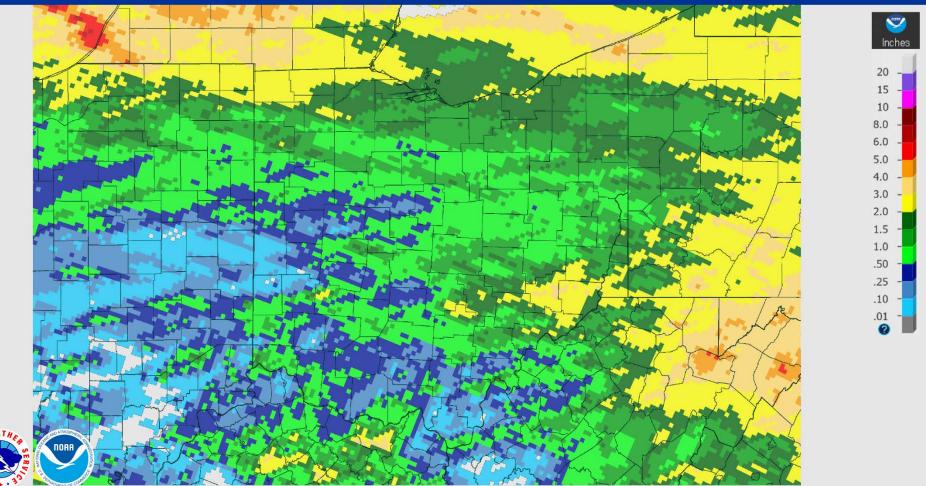
#### STATE CLIMATE OFFICE OF OHIO (SCOO)



### **Previous 7-Day Precipitation: Total**

#### May 17, 2018 7-Day Observed Precipitation

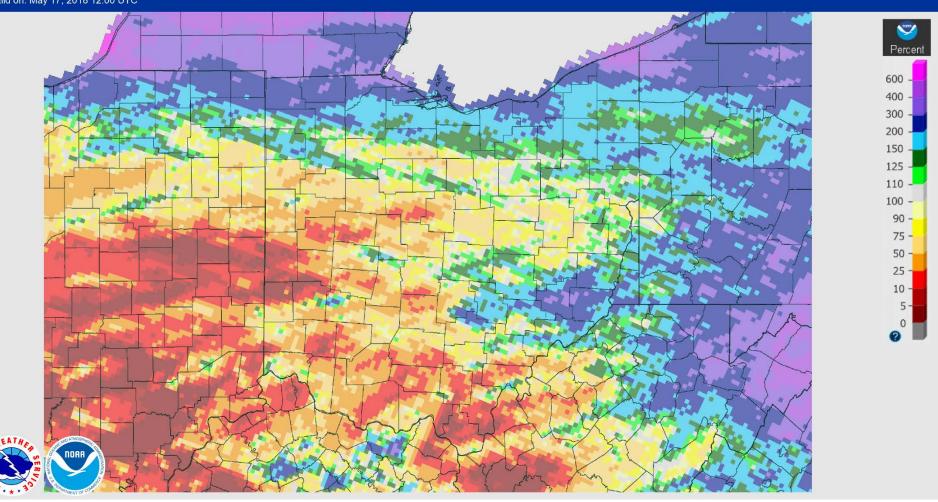
Created on: May 17, 2018 - 15:29 UTC Valid on: May 17, 2018 12:00 UTC





### **Previous 7-Day Precipitation: Percent of Normal**

May 17, 2018 7-Day Percent Precipitation Created on: May 17, 2018 - 15:29 UTC Valid on: May 17, 2018 12:00 UTC





# Precipitation Differences Compared to Average (1981-2010)

300

200

150

130

110

100

90

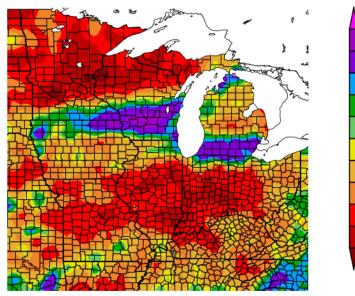
70

50

25

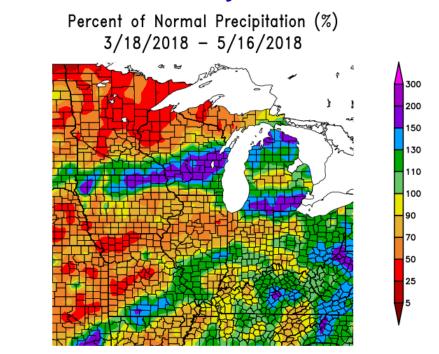
#### **30-Day**

Percent of Normal Precipitation (%) 4/17/2018 - 5/16/2018



Generated 5/17/2018 at HPRCC using provisional data.

#### 60-Day



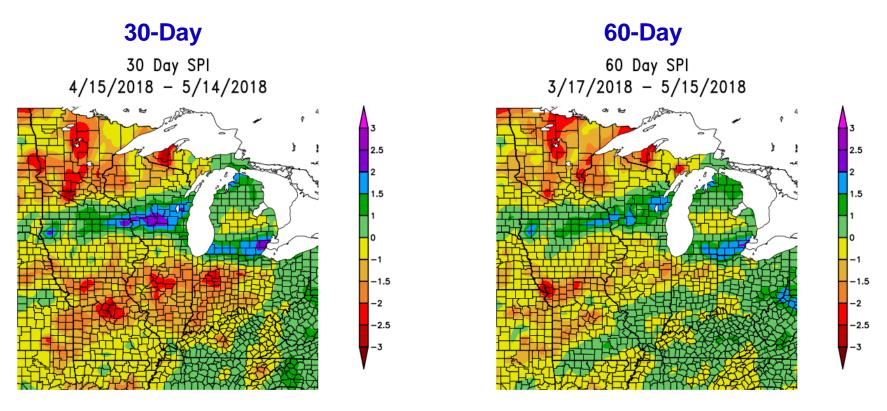
NOAA Regional Climate Centers Generated 5/17/2018 at HPRCC using provisional data.

NOAA Regional Climate Centers





# **Standard Precipitation Index (SPI)**



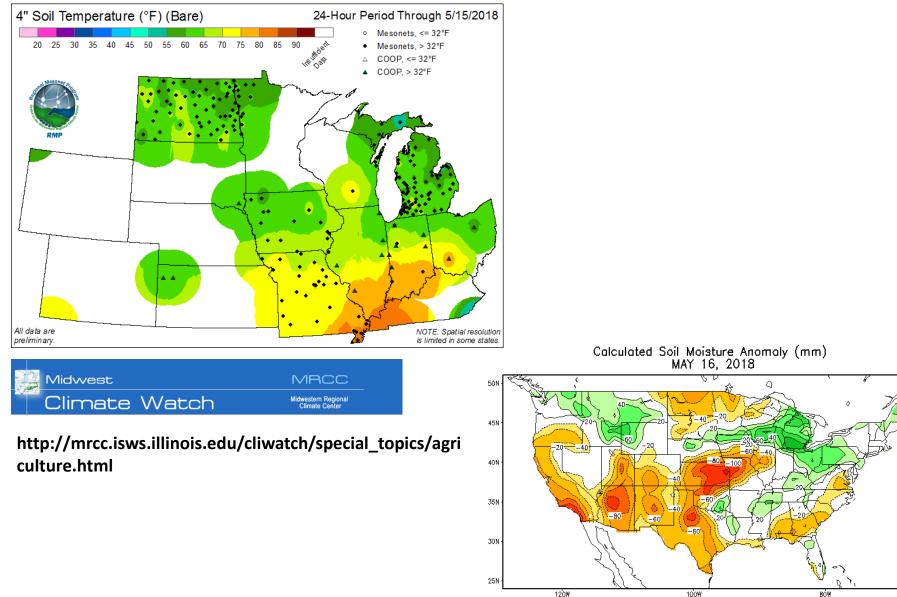
Generated 5/15/2018 at HPRCC using provisional data.

NOAA Regional Climate Centers Generated 5/16/2018 at HPRCC using provisional data.

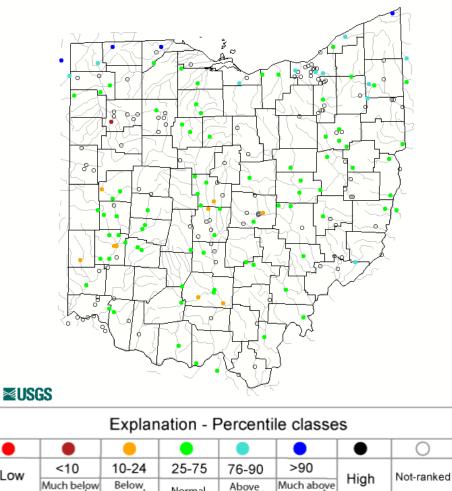
NOAA Regional Climate Centers



### **Soil Temperature/Moisture**



**7-DAY** 



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

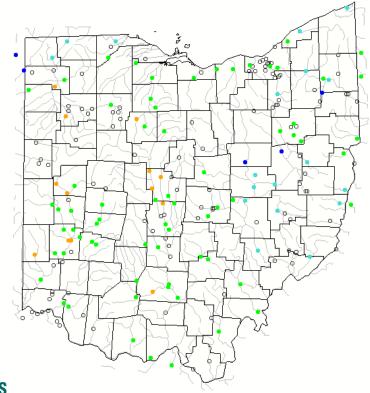
normal

normal

≊USGS

# **USGS** Streamflow

**28-DAY** 



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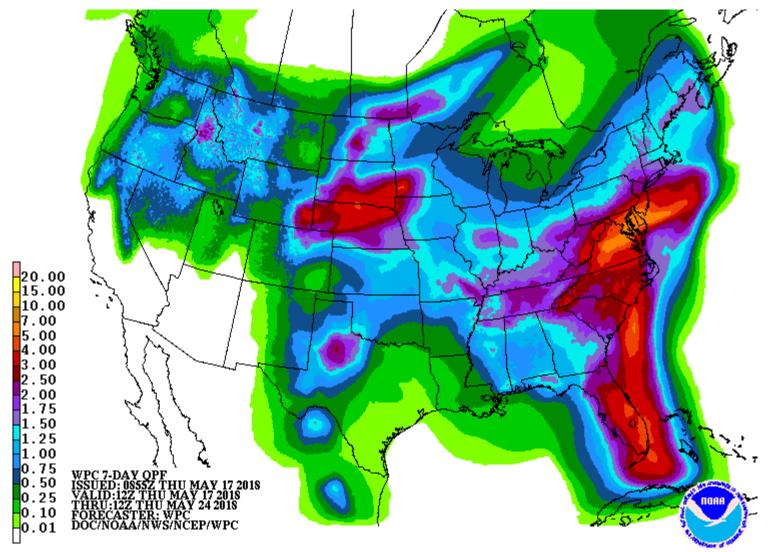
Normal

normal

norma

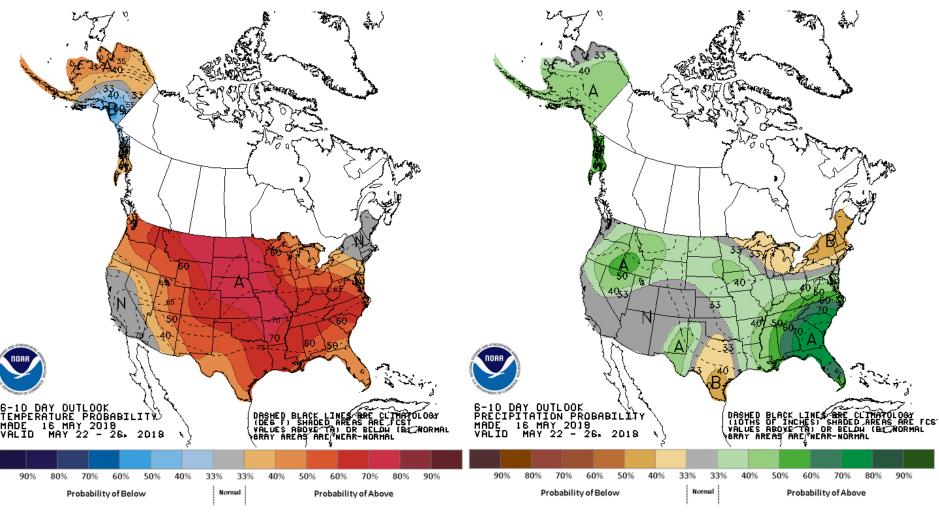
Low

### Weather for the Week Ahead



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# 6-10 Day Outlook



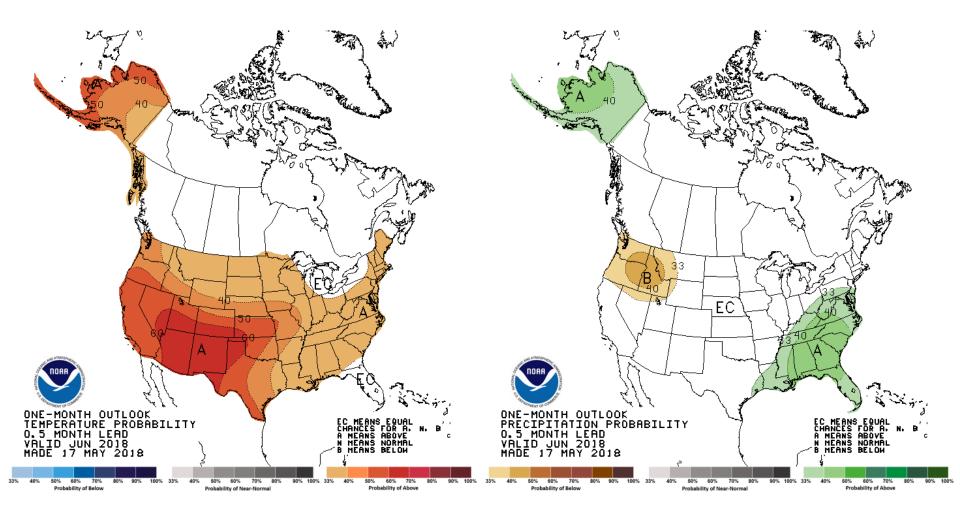
### Highs: Upper 60s to mid 70s

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### Lows: Upper 40s to mid 50s



# **June Outlook**



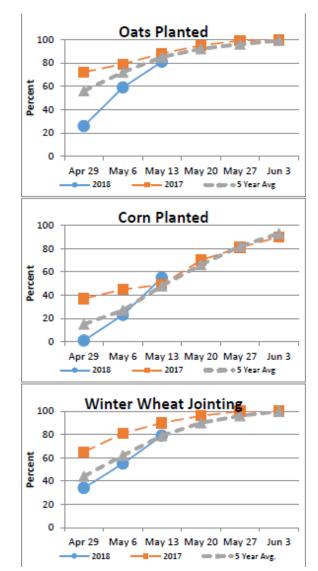
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# **Ag Highlights**

- 5.2 days suitable for work
- Near ideal planting conditions (except in the NW)
- Corn and soybeans ahead of the 5-year averages
- Wet in the North with many associated problems and delays

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: No Formal drought in Ohio

**30-Day and 60-Day:** Conditions continue to dry out in the west/wet in the north

The week ahead: Scattered showers and storms (more prevalent across southern Ohio) and above normal temperatures will continue

