Hydrologic and Climate Assessment

September 7, 2018

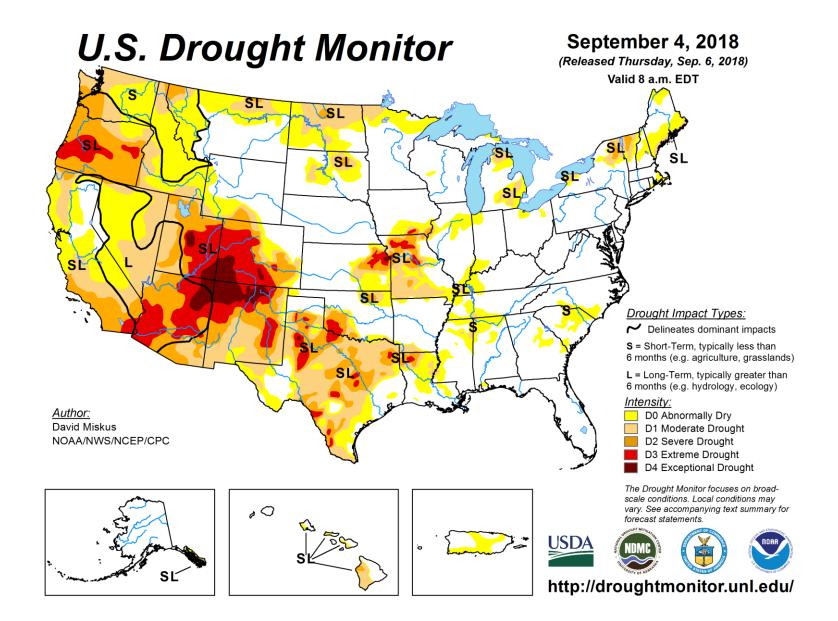




Aaron B. Wilson

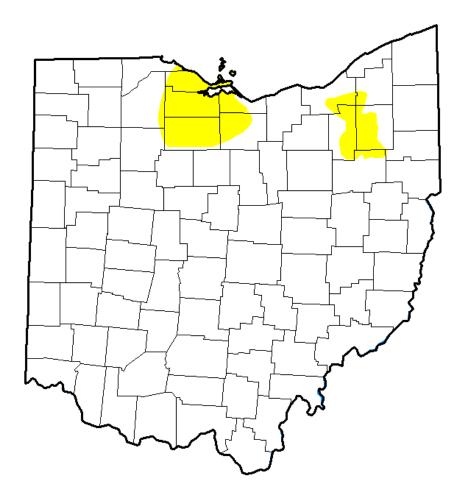
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U.S. Drought Monitor Ohio



September 4, 2018

(Released Thursday, Sep. 6, 2018) Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	94.26	5.74	0.00	0.00	0.00	0.00
Last Week 08-28-2018	91.93	8.07	0.00	0.00	0.00	0.00
3 Month's Ago 06-05-2018	100.00	0.00	0.00	0.00	0.00	0.00
Start of Calendar Year 01-02-2018	100.00	0.00	0.00	0.00	0.00	0.00
Start of Water Year 09-26-2017	71.57	28.43	3.85	0.00	0.00	0.00
One Year Ago 09-05-2017	97.47	2.53	0.00	0.00	0.00	0.00

Intensity:

D0 Abnormally Dry
D1 Moderate Drought
D2 Severe Drought

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

Author:

David Miskus NOAA/NWS/NCEP/CPC









http://droughtmonitor.unl.edu/

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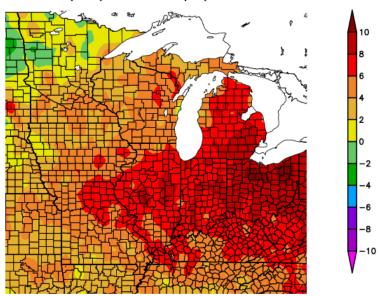
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Temperature Differences Compared to Average (1981-2010)

7-Day

Departure from Normal Temperature (F) 8/31/2018 - 9/6/2018



Generated 9/7/2018 at HPRCC using provisional data.

NOAA Regional Climate Centers

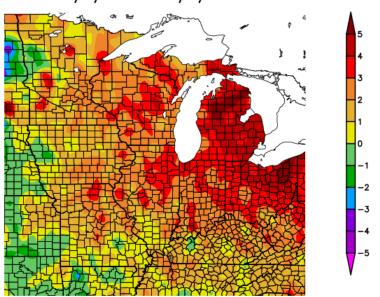




Temperature Differences Compared to Average (1981-2010)

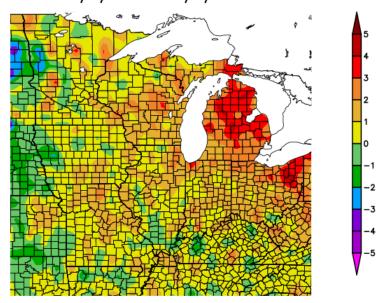
30-Day

Departure from Normal Temperature (F) 8/8/2018 - 9/6/2018



60-Day

Departure from Normal Temperature (F) 7/9/2018 - 9/6/2018



Generated 9/7/2018 at HPRCC using provisional data.

NOAA Regional Climate Centers Generated 9/7/2018 at HPRCC using provisional data.

NOAA Regional Climate Centers

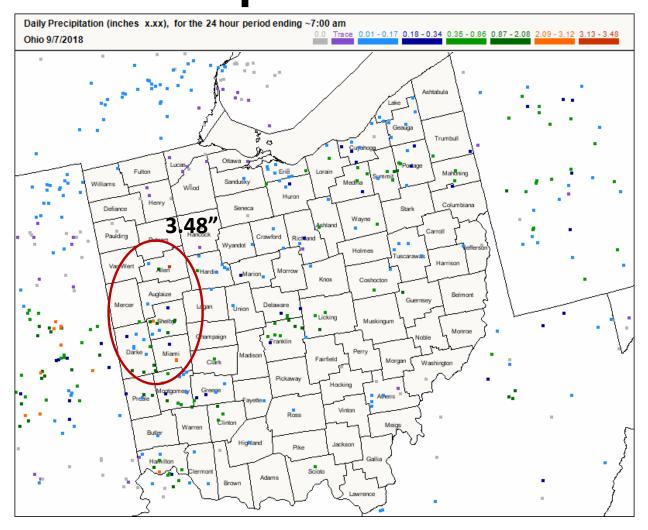




CoCoRaHS Observed Precipitation:

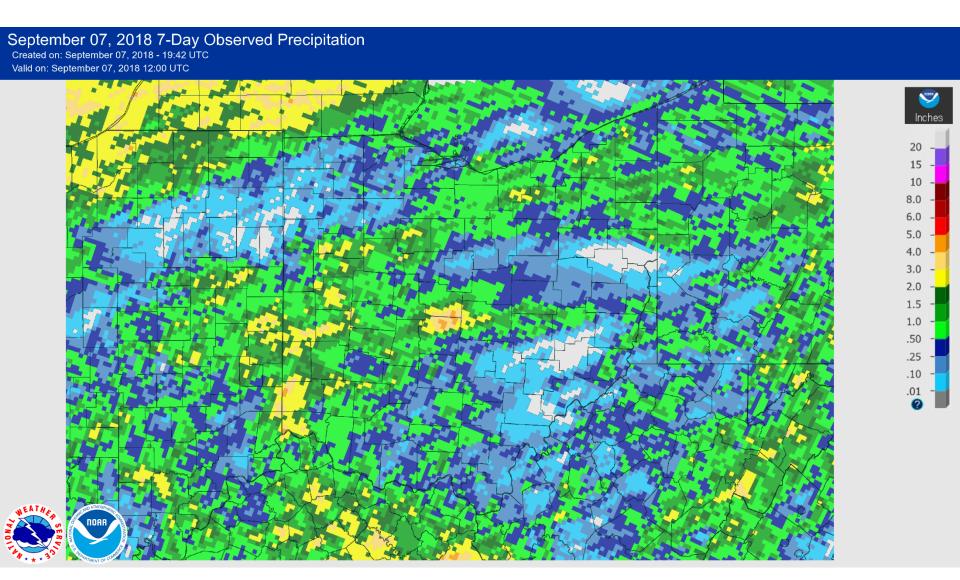
http://cocorahs.com/

September 7



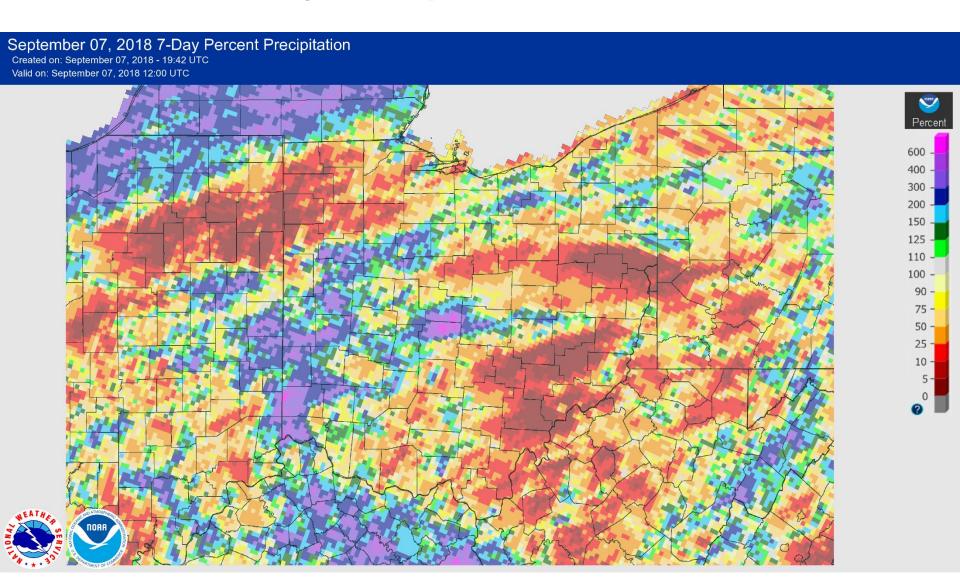


Previous 7-Day Precipitation: Total





Previous 7-Day Precipitation: Percent of Normal

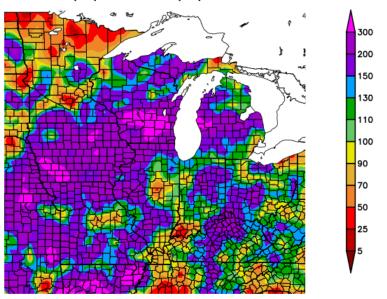




Precipitation Differences Compared to Average (1981-2010)

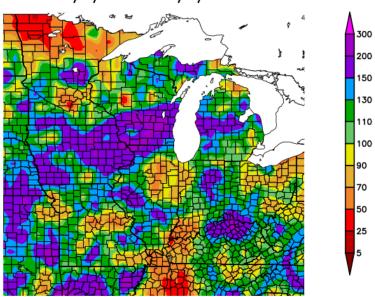
30-Day

Percent of Normal Precipitation (%) 8/8/2018 - 9/6/2018



60-Day

Percent of Normal Precipitation (%) 7/9/2018 - 9/6/2018



Generated 9/7/2018 at HPRCC using provisional data.

NOAA Regional Climate Centers Generated 9/7/2018 at HPRCC using provisional data.

NOAA Regional Climate Centers

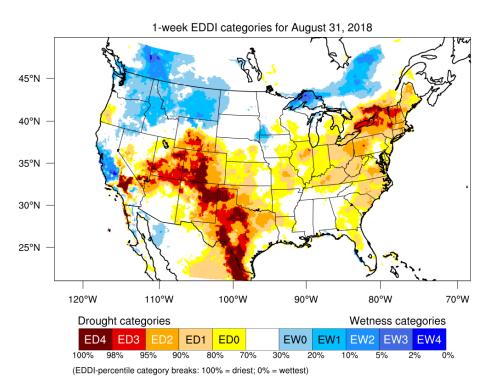




Evaporative Demand Drought Index

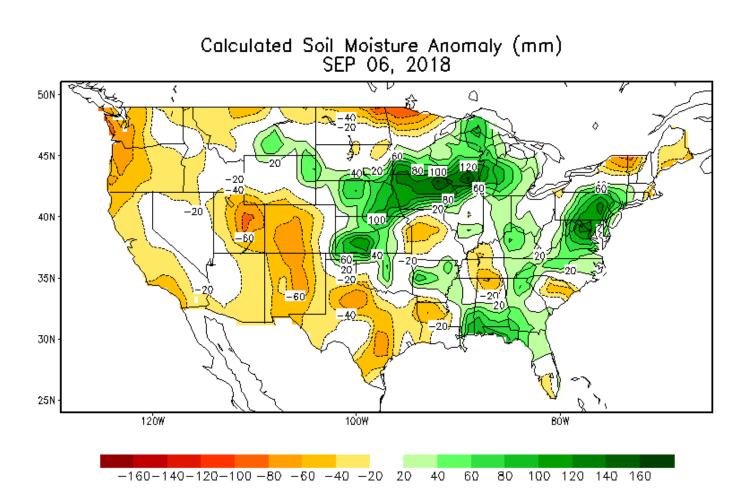
EDDI can offer early warning of agricultural drought, hydrologic drought, and fire-weather risk by providing near-real-time information on the emergence or persistence of anomalous evaporative demand in a region. A particular strength of EDDI is in capturing the precursor signals of water stress at weekly to monthly timescales, which makes EDDI a strong tool for preparedness for both flash droughts and ongoing droughts.

Image provided by the NOAA/ESRL Physical Sciences Division, Boulder, Colorado, from their web site at: https://www.esrl.noaa.gov/psd/.

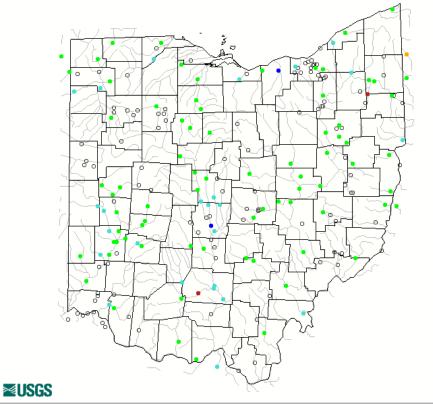


Generated by NOAA/ESRL/Physical Sciences Division

Soil Moisture



7-DAY

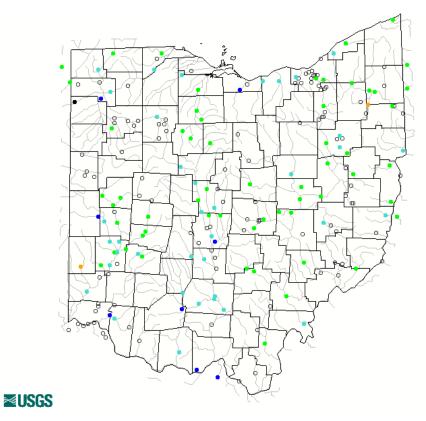


Explanation - Percentile classes									
•			•			•	0		
Low	<10	10-24	25-75	76-90	>90	High	Not-ranked		
	Much below normal	Below normal	Normal	Above normal	Much above normal				

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

USGS Streamflow







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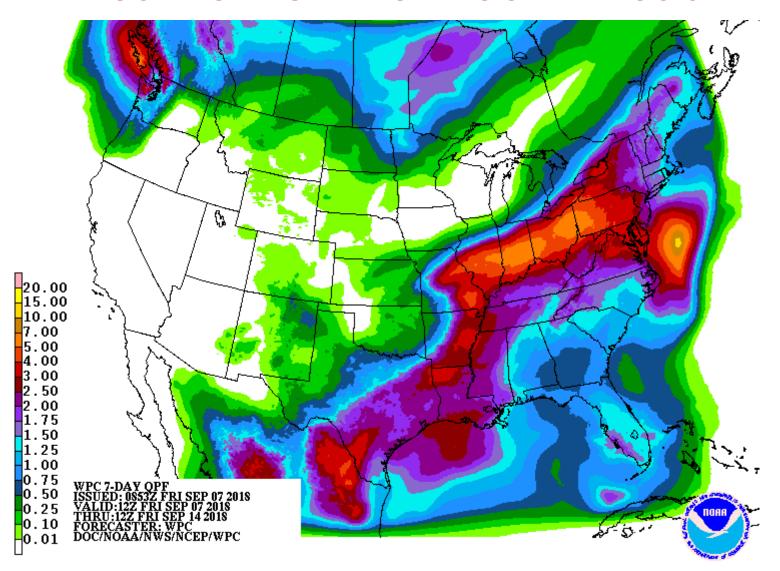
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Weather for the Week Ahead





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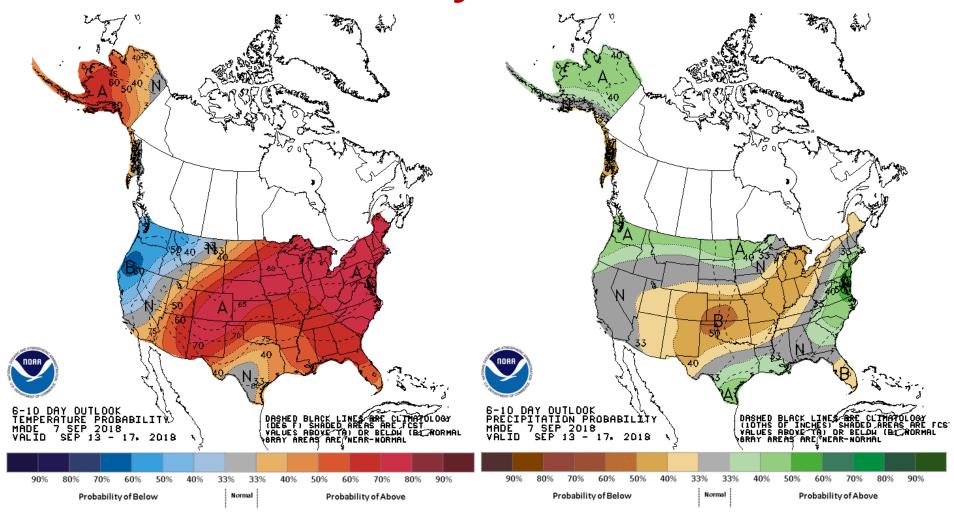
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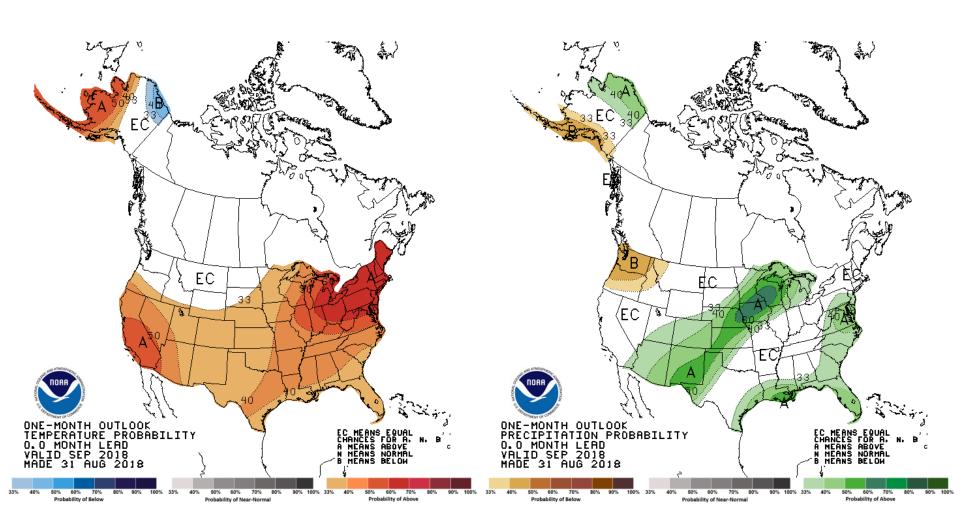
6-10 Day Outlook



Highs: Upper 70s to Low 80s; Lows: Low 60s; Precip: 0.75-1"



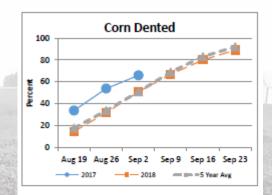
September Outlook

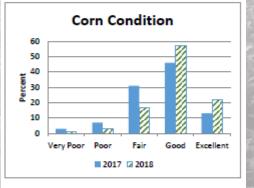


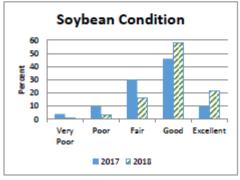


Ag Highlights

- 5.4 days suitable for work
- Heat pushed maturity in corn and soybeans
- Corn for silage harvest increased







NASS: Cheryl Turner –

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

Summary of Conditions



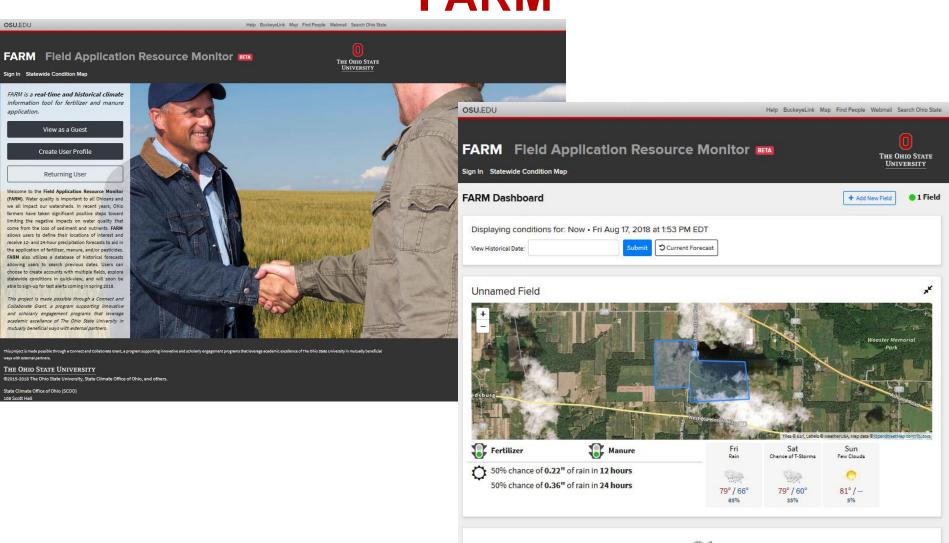
Drought Monitor: A few dry areas still hanging around across the north

30-Day and 60-Day: Warmest in the NE where it is drier

The week ahead:) Stalled out front and remnants from Tropical Storm Gordon mean soggy conditions across the Buckeye State this week



Field Application Resource Monitor FARM



+ Add New Field

https://farm.bpcrc.osu.edu