SCOO Weekly Hydrologic Outlook

Tuesday 30 August, 2016

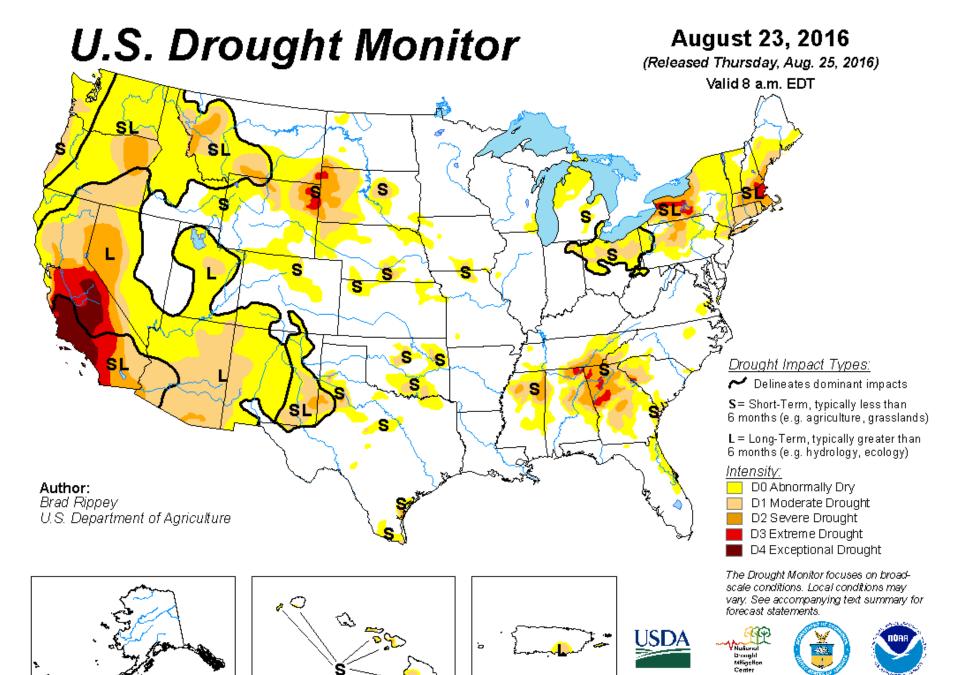


Video Credit: Ben Gelber – Meteorologist @ NBC 4 Columbus, Ohio Video taken from NBC4 SKYCam looking SSE toward Downtown Columbus 28 August 2016

"Check out this amazing time-lapse of a thunderstorm from our NBC4 SkyCam, with swirling rain shafts culminating in a wet microburst (big column of water) moving over downtown and southeast Columbus around 6:30 p.m.! Keep an eye on the left side of the screen for a storm-ending rainbow. Cool storm-scale features."

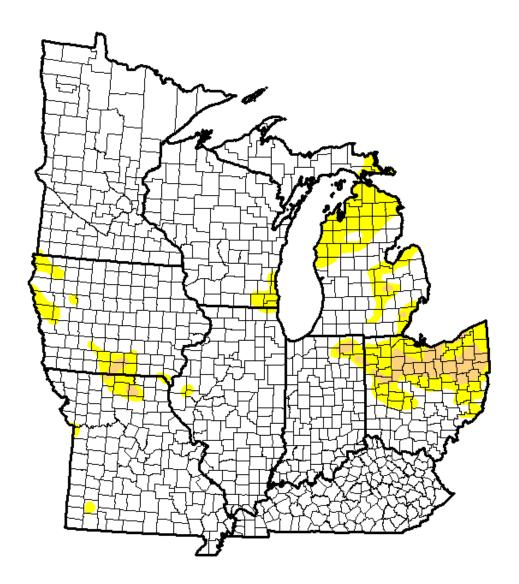






http://droughtmonitor.unl.edu/

U.S. Drought Monitor Midwest



August 23, 2016

(Released Thursday, Aug. 25, 2016) Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Сиптепт	88.52	11.48	2.21	0.00	0.00	0.00
Last Week 816/2016	86.50	13.50	2.66	0.00	0.00	0.00
3 Months Ago 524/2016	90.82	9.18	0.00	0.00	0.00	0.00
Start of Calendar Year 12/29/2015	88.07	11.93	2.35	0.00	0.00	0.00
Start of Water Year 929/2015	79.46	20.54	1.04	0.00	0.00	0.00
One Year Ago 825/2015	91.38	8.62	1.24	0.00	0.00	0.00

Intensity:

D0 Abnormally Dry D3 Extreme Drought
D1 Moderate Drought D4 Exceptional Drought

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

Author:

Brad Rippey

U.S. Department of Agriculture

D2 Severe Drought



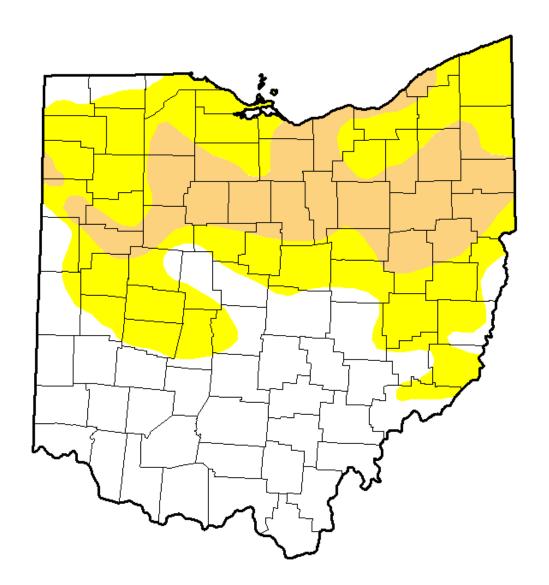






http://droughtmonitor.unl.edu/

U.S. Drought Monitor Ohio



August 23, 2016

(Released Thursday, Aug. 25, 2016) Valid 8 a.m. EDT

Drought Conditions (Percent Area)

		None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Сигтепт		42.53	57.47	21.54	0.00	0.00	0.00
Last Wee 8/16/2016	k	30.61	69.39	26.34	0.00	0.00	0.00
3 Months A 5/24/2016	go	100.00	0.00	0.00	0.00	0.00	0.00
Start of Calendar Y		49.91	50.09	3.83	0.00	0.00	0.00
Start of Water Yea 9/29/2015		77.24	22.76	0.00	0.00	0.00	0.00
One Year A 825/2015	go	79.98	20.02	0.00	0.00	0.00	0.00

Intensity:

D0 Abnormally Dry
D1 Moderate Drought
D2 Severe Drought
D2 Severe Drought

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

Author:

Brad Rippey

U.S. Department of Agriculture



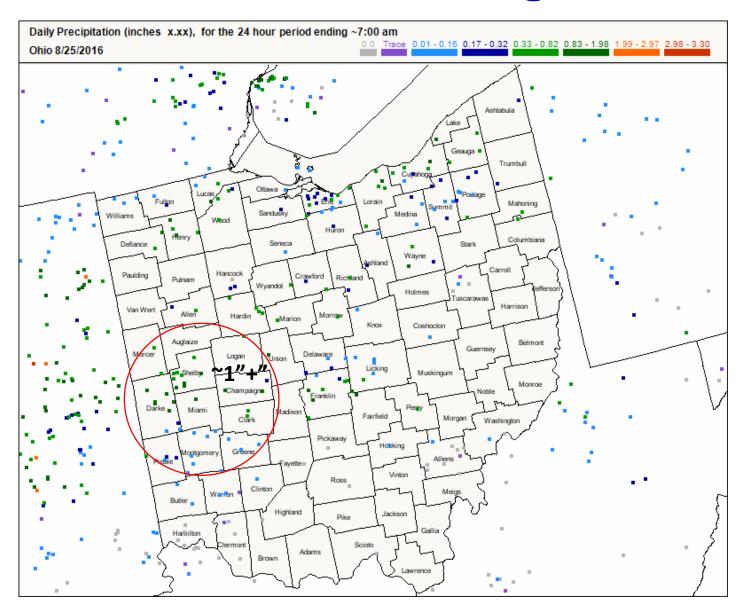




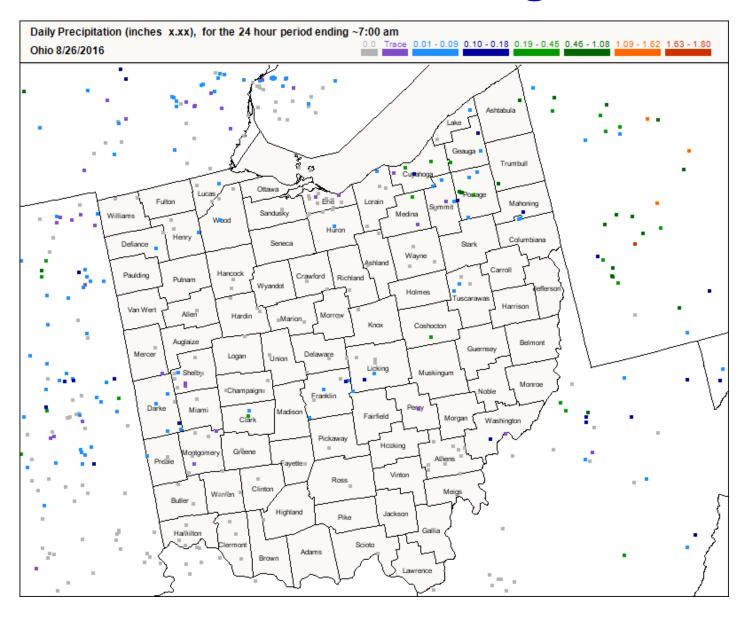


http://droughtmonitor.unl.edu/

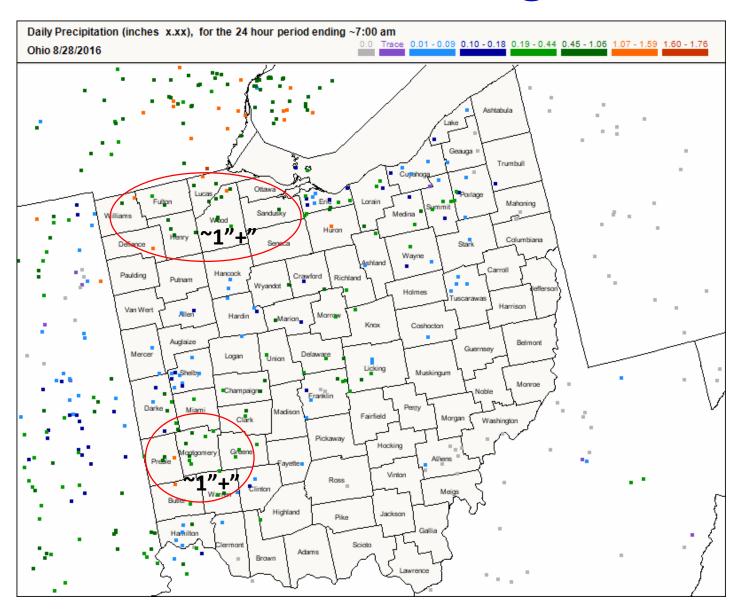
CoCoRaHS: 25 August



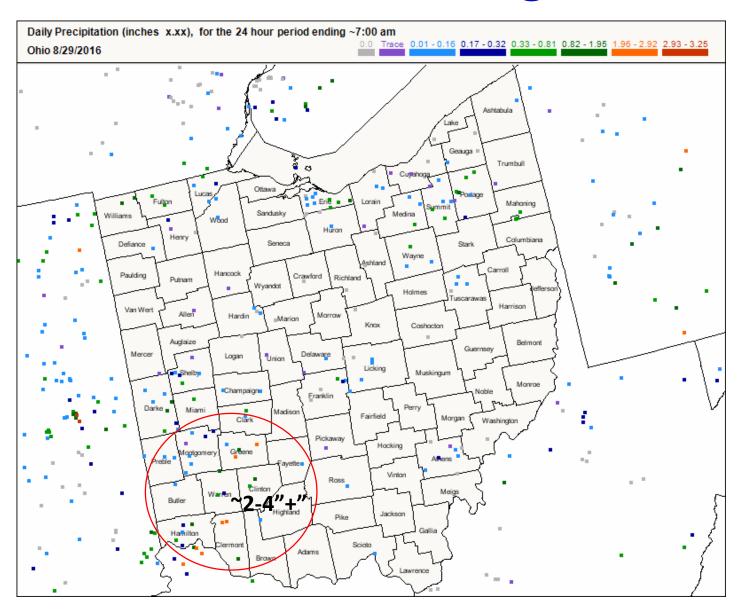
CoCoRaHS: 26 August



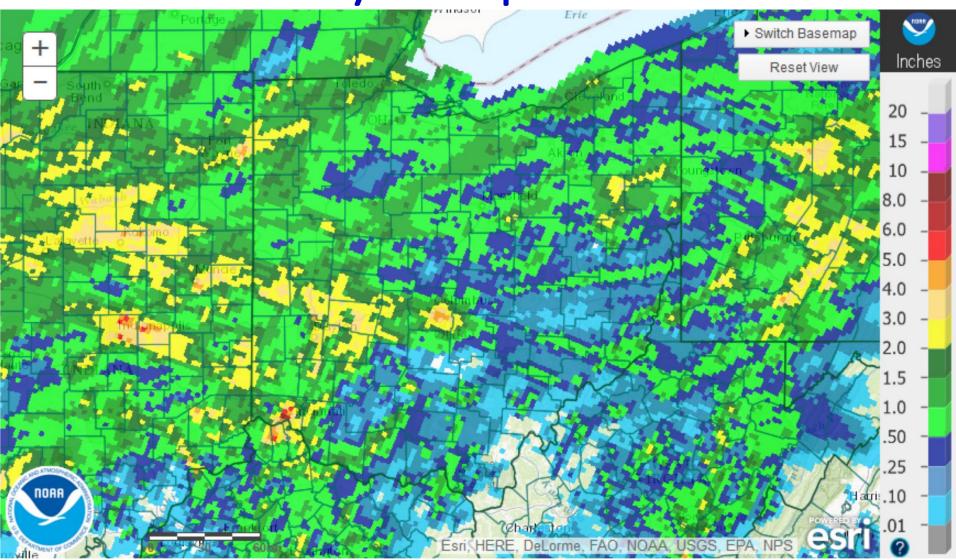
CoCoRaHS: 28 August



CoCoRaHS: 29 August

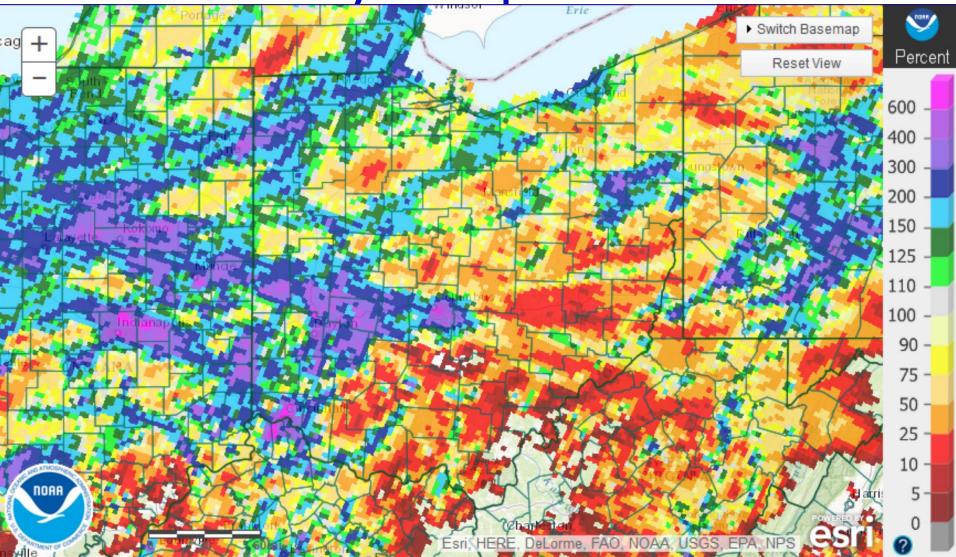


Previous 7-Day Precipitation Estimates





Previous 7-Day Precipitation Estimates



Percent of Normal

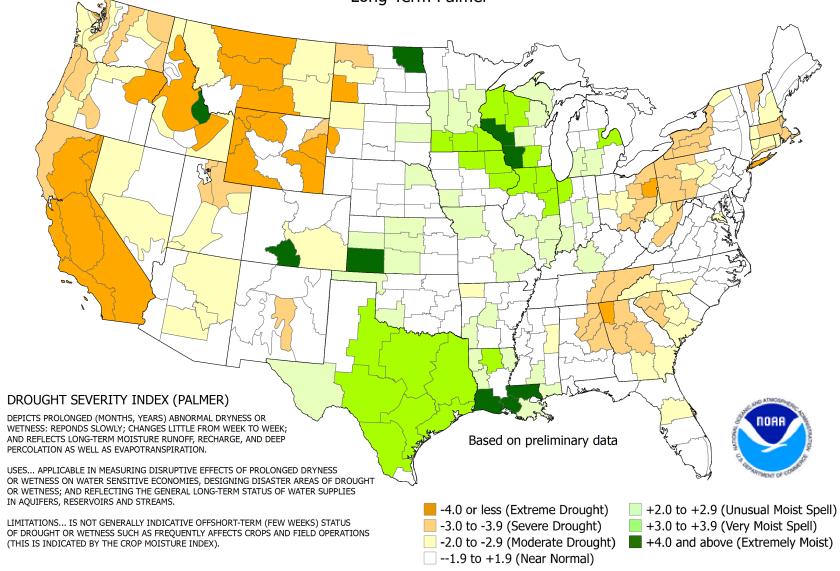






Drought Severity Index by Division Weekly Value for Period Ending Aug 27, 2016 Long Term Palmer

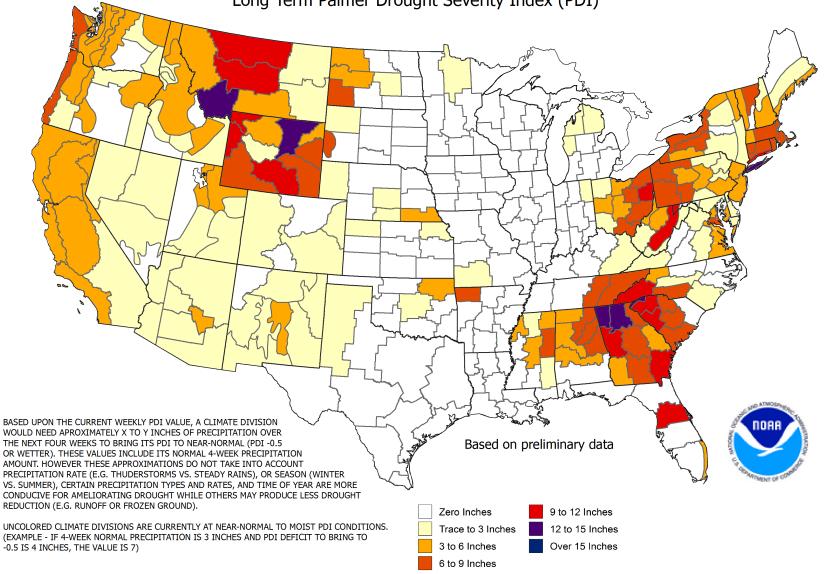






Additional Precip. Needed (In.) to bring PDI to -0.5 Weekly Value for Period Ending Aug 27, 2016 Long Term Palmer Drought Severity Index (PDI)

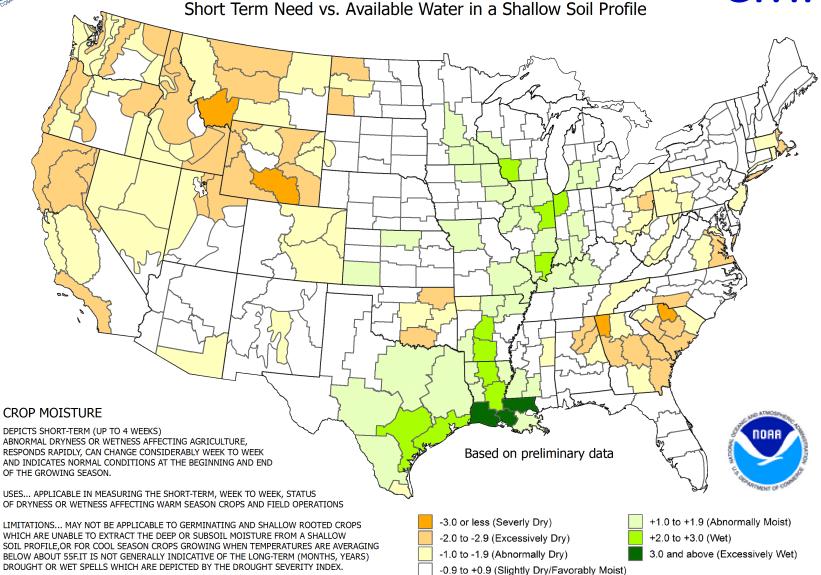
PDSI



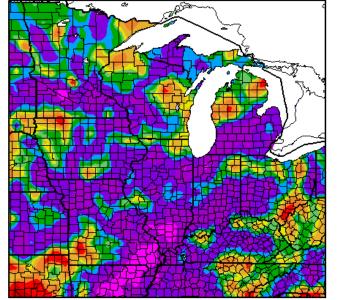


Crop Moisture Index by Division Weekly Value for Period Ending Aug 27, 2016



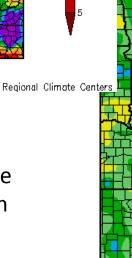


Percent of Normal Precipitation (%) 7/31/2016 - 8/29/2016



Previous 30-Days

30 Day SPI 7/31/2016 - 8/29/2016



90

70

25

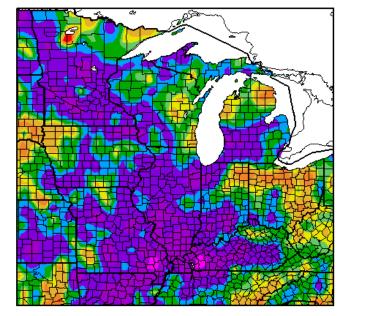
Generated 8/30/2016 at HPRCC using provisional data.

The Standardized Precipitation Index (SPI) indicates how unusual the amount of accumulated precipitation is, compared to the historical record over a given time scale.



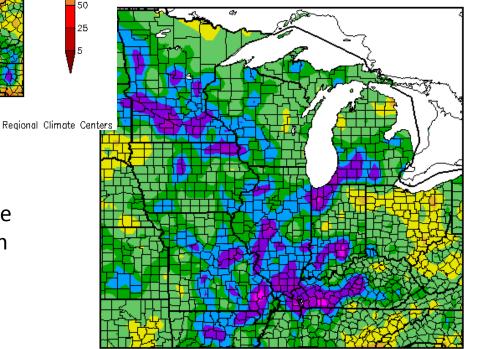


Percent of Normal Precipitation (%) 7/1/2016 - 8/29/2016



Previous 60-Days

60 Day SPI 7/1/2016 - 8/29/2016



Generated 8/30/2016 at HPRCC using provisional data.

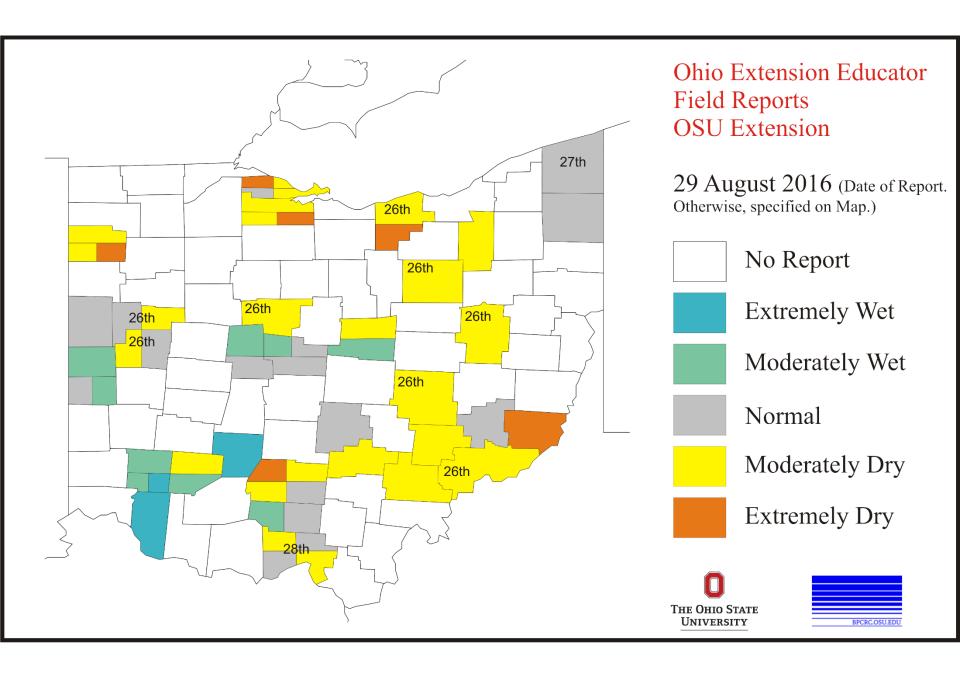
The Standardized Precipitation Index (SPI) indicates how unusual the amount of accumulated precipitation is, compared to the historical record over a given time scale.



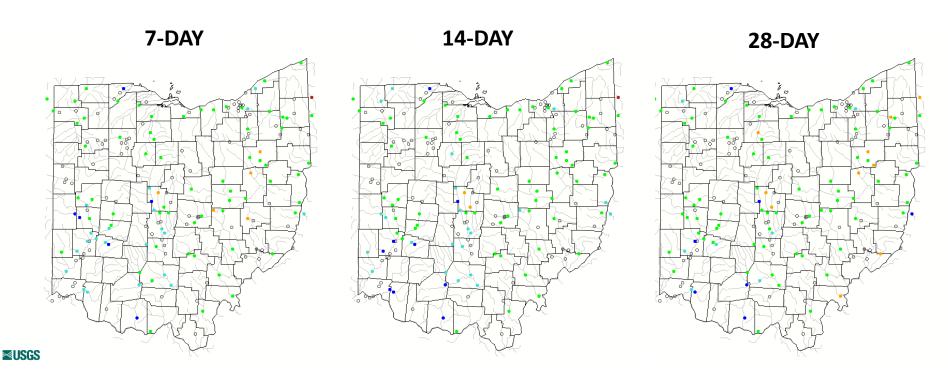


90

70



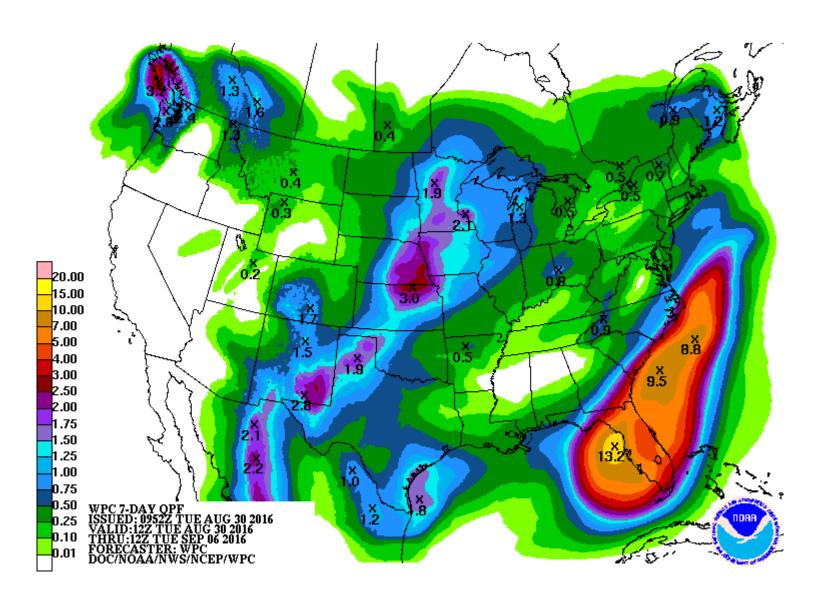
USGS Streamflow



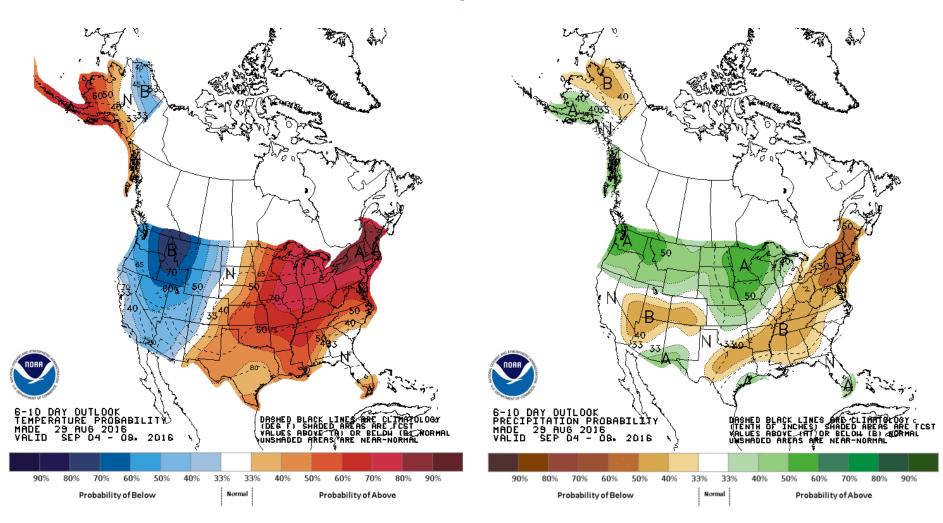
Explanation - Percentile classes							
			•			•	0
Low	<10	10-24	25-75	76-90	>90	High	Not-ranked
	Much below normal	Below normal	Normal	Above normal	Much above normal		Not-Talliked

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

Weather for the Week Ahead



6-10 Day Outlook



SUMMARY OF CONDITIONS

Current

- Drought Monitor: Some improvements in the SW last week
- 7-day Precipitation: Heavy rains across the western part of the state has improved drought conditions again; SE remained dry
- Weekly Palmer Drought Severity Index: Status quo across the state – still reflecting long-term dryness
- Crop Moisture Index: Status quo
- 30-Day precipitation: Southern half of the state much improved;
 still holding onto some long-term dryness in the north
- 1 Category improvement for SW part of the state this week
- 1 Category downgrade to D0 conditions across the SE as lack of precipitation and hot temperatures have led to low streamflow and drying