

## Ohio Quarterly Climate Summary: Sep-Nov 2017

### Overview:

- The autumn season (September-November) ranked as the 13<sup>th</sup> warmest in Ohio since 1895\*.

### Temperature Summary:

- Temperatures averaged between 50-60°F (Fig. 1) for the three-month period.
- This was 1-3°F above normal across much of Ohio but near average across the southwest counties (Fig 2).
- While September and November brought near-average conditions, October 2017 ranks as the 9<sup>th</sup> warmest October on record.

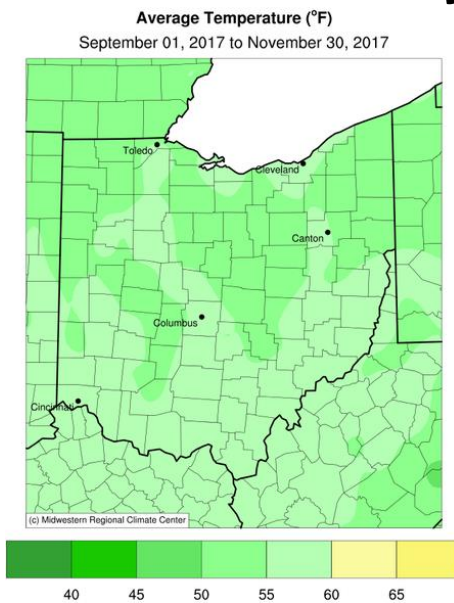


Figure 1

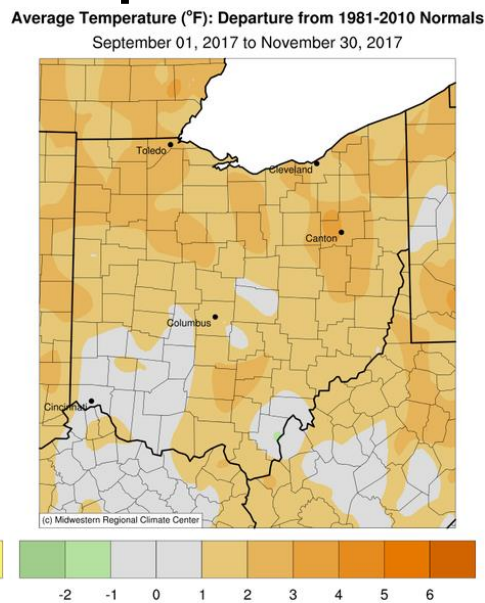


Figure 2

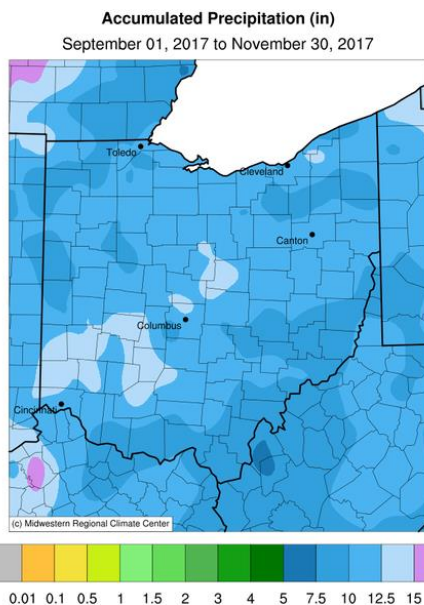


Figure 3

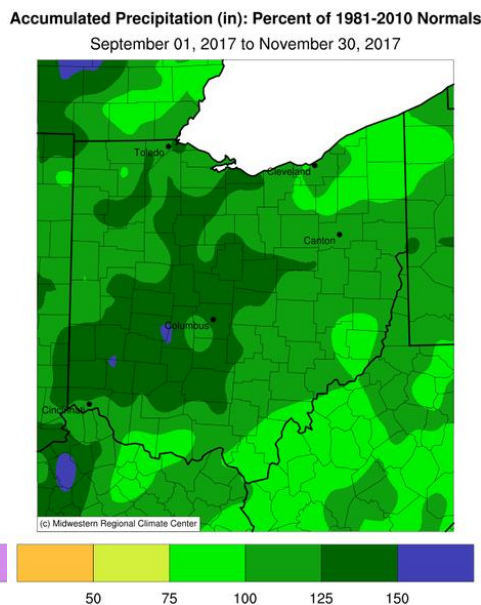


Figure 4

### Precipitation Summary:

- Precipitation varied across the state from 7" to 15" of precipitation for the period (Fig. 3).
- Compared to the long-term mean, much of the state was near to above average (Fig. 4).
- While September and early October were dry, November 2017 ranks as Ohio's 9<sup>th</sup> wettest on record.

\*Regional summary provided by NOAA: <https://www.drought.gov/drought/documents/quarterly-climate-impacts-and-outlook-midwest-region-june-2017>.

\*Maps provided by cli-MATE, Midwestern Regional Climate Center, Illinois State Water Survey, Prairie Research Institute, University of Illinois at Urbana-Champaign, <http://mrcc.illinois.edu/CLIMATE>.

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### Hot Topic Corner: A Tale of Two Halves

- Overall, the period began with dry weather across much of the state. The driest areas were found across the NE and NW.
- This was not the case for some isolated spots like Madison County during the Farm Science Review. Wet weather during set-up and a prolonged shower on Tuesday brought some soggy conditions to the area (Fig 5).



Figure 5

- Warm, dry weather continued into October. Departures from average ranged 2-5°F above normal for the month, even higher during the first two weeks of October. Some Ag impacts included reports of combine fires and a decline in pasture conditions. However, the warm dry weather also helped crops reach maturity across the region.
- Weather flipped a switch during the latter half of October and November, with cool wet conditions returning to Ohio. While this was good news for winter wheat and cover crop emergence, the damp conditions hindered the corn harvest and kept moisture content high.

### Outlook:

- The Climate Prediction Center depicts an **Equal Chance (EC)** of above, below, or near normal temperatures across much of Ohio for January through March (JFM; Fig. 6), with a **slightly elevated (>33%) chance of below normal** temperatures across NW Ohio.
- La Niña conditions continue, supporting confidence (>40%) in **above normal precipitation** for the state during JFM (Fig. 7).

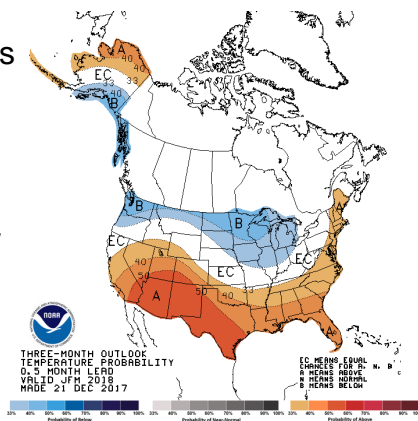


Figure 6

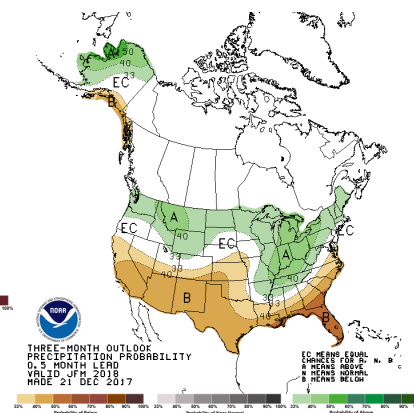


Figure 7