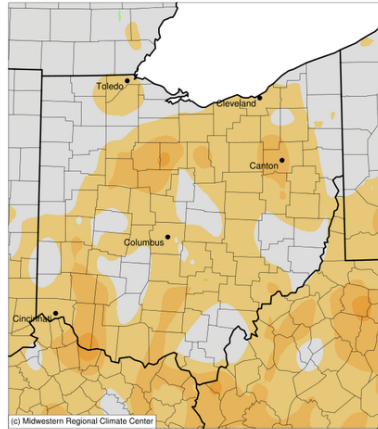


Ohio Quarterly Climate Summary: Sep-Nov 2019

Temperature Summary:

- Autumn 2019 was warmer than average, ranked 22nd warmest, according to records back to 1895*.
- Average temperatures were close to normal across the northwest but ranged between 1-4°F above normal for much of the state (Fig. 1).
- September was particularly warm (record warmest) with very warm overnight lows (Fig. 2).

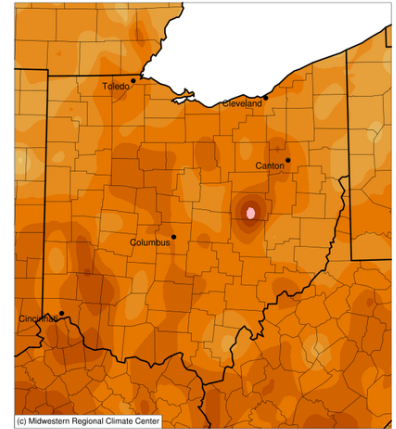
Average Temperature (°F): Departure from 1981-2010 Normals
September 01, 2019 to November 30, 2019



Stations from the following networks used: WBAN, COOP, FAA, GHCN, ThreadEx, CoCoRaHS, WMO, ICAO, NWSLI, Midwestern Regional Climate Center
cli-MATE: MRCC Application Tools Environment
Generated at: 1/29/2020 9:29:34 AM CST

Figure 1

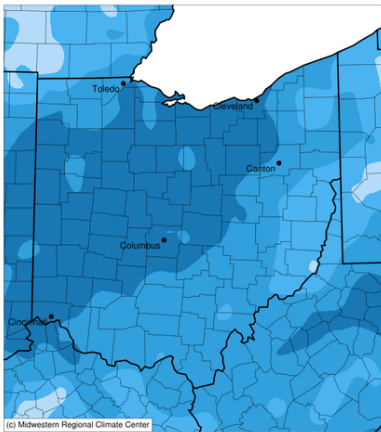
Average Temperature (°F): Departure from 1981-2010 Normals
September 01, 2019 to September 30, 2019



Stations from the following networks used: WBAN, COOP, FAA, GHCN, ThreadEx, CoCoRaHS, WMO, ICAO, NWSLI, Midwestern Regional Climate Center
cli-MATE: MRCC Application Tools Environment
Generated at: 1/29/2020 9:32:14 AM CST

Figure 2

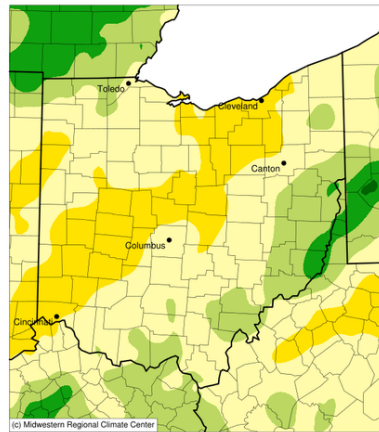
Accumulated Precipitation (in)
September 01, 2019 to November 30, 2019



0.01 0.1 0.5 1 1.5 2 3 4 5 7.5 10 12.5 15
Stations from the following networks used: WBAN, COOP, FAA, GHCN, ThreadEx, CoCoRaHS, WMO, ICAO, NWSLI, Midwestern Regional Climate Center
cli-MATE: MRCC Application Tools Environment
Generated at: 1/29/2020 9:34:54 AM CST

Figure 3

Accumulated Precipitation (in): Percent of 1981-2010 Normals
September 01, 2019 to November 30, 2019



25 50 75 100 125 150 175
Stations from the following networks used: WBAN, COOP, FAA, GHCN, ThreadEx, CoCoRaHS, WMO, ICAO, NWSLI, Midwestern Regional Climate Center
cli-MATE: MRCC Application Tools Environment
Generated at: 1/29/2020 9:37:09 AM CST

Figure 4

Precipitation Summary:

- Autumn 2019 precipitation was below average for much of Ohio and ranks as the 40th driest fall on record.*
- The greatest totals fell across far northwest and far southeast Ohio (Fig. 3).
- A SW-NE oriented corridor through the middle of state received less than 75% of normal precipitation during this period. (Fig. 4).

*Regional summary provided by NOAA: <https://www.drought.gov/drought/documents/quarterly-climate-impacts-and-outlook-midwest-region-june-2018>.

*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>.

Ohio Quarterly Climate Summary: Sep-Nov 2019

Hot Topic Corner:

- What a difference Autumn 2019 was to that of 2018 or the first half of 2019.
- Many areas across SW Ohio had received more than 30 inches of precipitation by June 30th only to see 12-15 inches during the remainder of the year.
- By Oct. 1st, 81% of the state was abnormally dry with about 26% of Ohio in moderate drought conditions by month's end (Fig. 5).
- Though harvest season was generally smoother than 2018, the dry conditions did stress crops a bit during the last half of the season. There were reports of field/combine fires as well (Fig. 6).

U.S. Drought Monitor
Ohio

October 22, 2019
(Revised Thursday, Oct. 24, 2019)
9:05 a.m. EDT

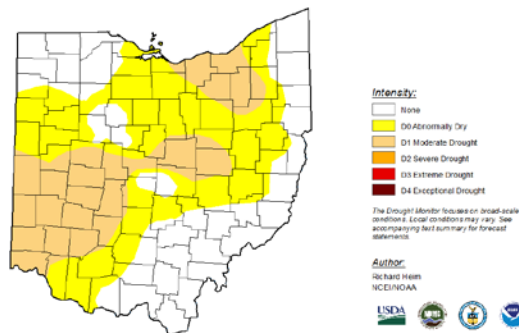


Figure 5: Peak drought conditions as depicted by the U.S. Drought Monitor (<https://droughtmonitor.unl.edu/>).



Figure 6: Field fire in SW Ohio. Photos Courtesy of Sam Custer – Darke Co. Extension Educator

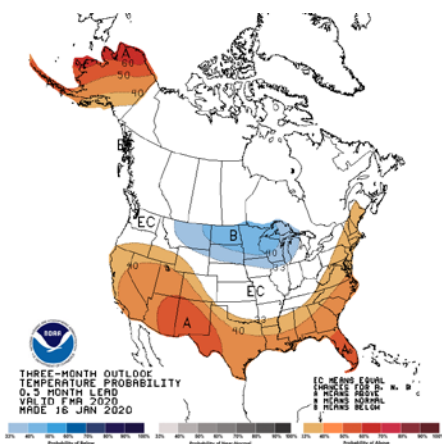


Figure 7

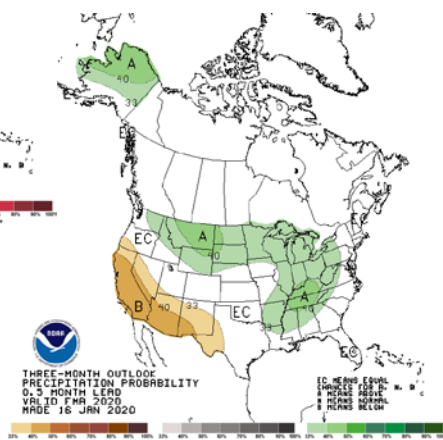


Figure 8

Outlook:

- The Climate Prediction Center depicts **EC of above, below, or near average temperatures** for February – April (FMA; Fig. 7).
- Elevated probability **of above-average precipitation** across the Ohio Valley (Fig. 8).

