



NWS Wilmington, Ohio October 2022 Regional Climate Summary

Regional Climate Summary

The main story for the month was the lack of rainfall. Abnormally dry to moderate drought conditions were present during the month. There was quite a swing in temperatures with days of temperatures over 10 degrees below normal and days with temperatures over 10 degrees above normal. This led to temperatures around the region as high as around 80°F and temperatures as low as in the 20s during the month.

Temperatures

Temperatures to start the month were fairly steady with a few days above normal and a few days below. A cooler air mass moved into the region for the 7th through the 9th, resulting in several days of well below normal temperatures. A couple frosty mornings were observed across the area. Temperatures rebounded to above normal the 10th through the 12th.

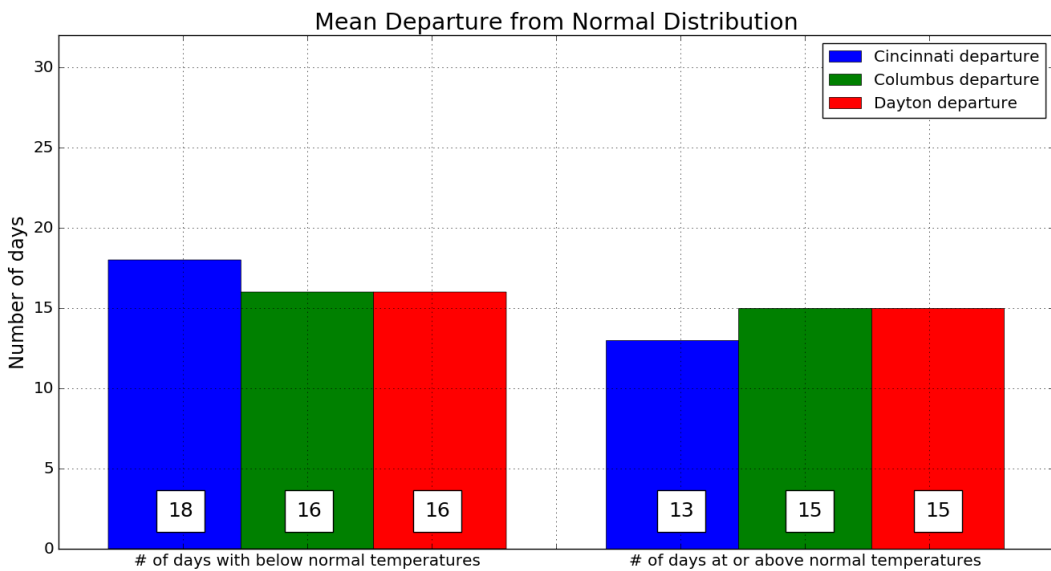
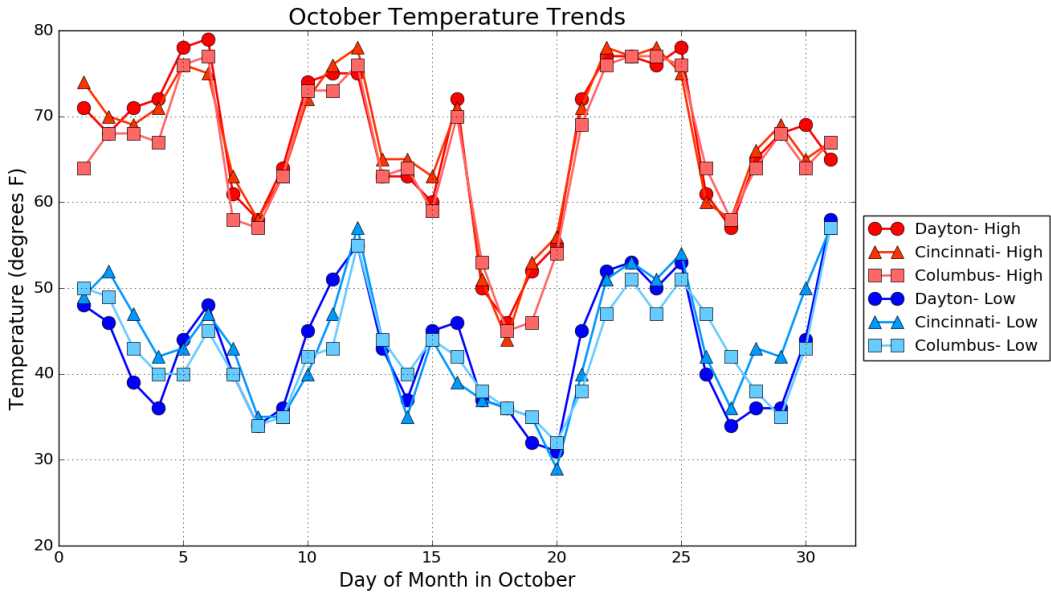
For the middle portion of the month, a large upper level low provided well below normal temperatures. In fact, Cincinnati observed a record low maximum temperature of 44° on the 18th. This tied the previous record set in 1989 after accumulating snow fell across the area. There were no major snowfall accumulations. However, the colder-than-normal air, typically not seen until early December, provided the first flurries of the upcoming winter season.

A warmer pattern evolved for the final third of the month as daytime highs reached into the 60s and 70s on numerous days, with lows in the 40s and 50s. Daily average temps were generally about 10-12 degrees above normal for a 5-day span or so before more seasonable air returned by the 26th.

| Site | Avg Temp (°F) | Avg High Temp (°F) | Avg Low Temp (°F) | Departure From Normal (°F) | Maximum Temperature (°F) | Minimum Temperature (°F) |
|------------------|---------------|--------------------|-------------------|----------------------------|--------------------------|--------------------------|
| Cincinnati (CVG) | 55.4 | 67.0 | 43.7 | -0.8 | 78°F (Mult.) | 29°F (20 th) |
| Columbus (CMH) | 54.1 | 65.6 | 42.7 | -1.1 | 77°F (Mult.) | 32°F (20 th) |
| Dayton (DAY) | 54.9 | 66.8 | 42.9 | -1.1 | 79°F (6 th) | 31°F (20 th) |



Temperatures (Continued)



Precipitation

Precipitation accumulation was scarce through the first two weeks of the month. The only climate site to not observe a top-10 driest first half of the month was Columbus. Columbus is the only climate site through the first half of the month, to observe a single day amount of more than one-tenth of an inch.

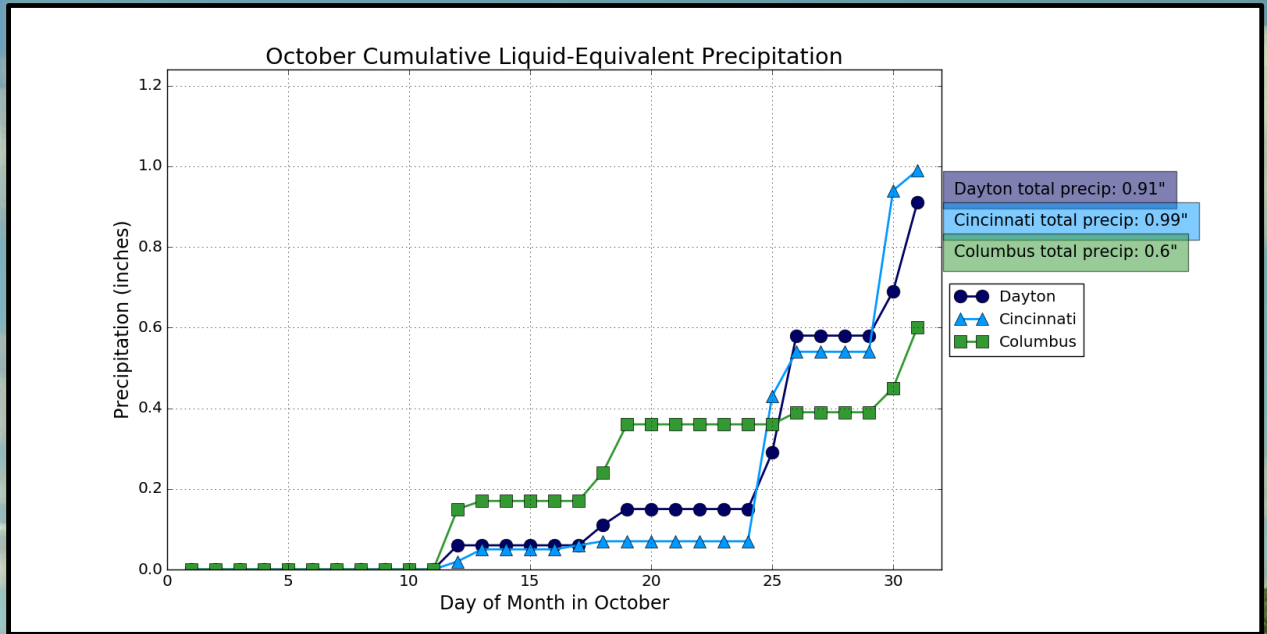
Even with the large upper level low, overall precipitation accumulations were very light. All three climate sites observed less than one-tenth of an inch, keeping monthly totals through the first three weeks of the month much below normal.

The next widespread light rain event evolved from the 25th into the 26th. Although total rainfall was again quite varied across the local area, many spots in the Tri-State area of southwest Ohio, southeast Indiana, and northern Kentucky received about one half of an inch in total. Still, the opportunities for widespread rain were sparse, with another one arriving for the final two days of the month. As a whole, however, October 2022 was one of the driest months in recent memory across the region, with parts of the Ohio Valley falling into moderate drought status. With the dry conditions, the only severe weather during the month was isolated damaging winds on the 12th which led to a few trees down in northern Kentucky.

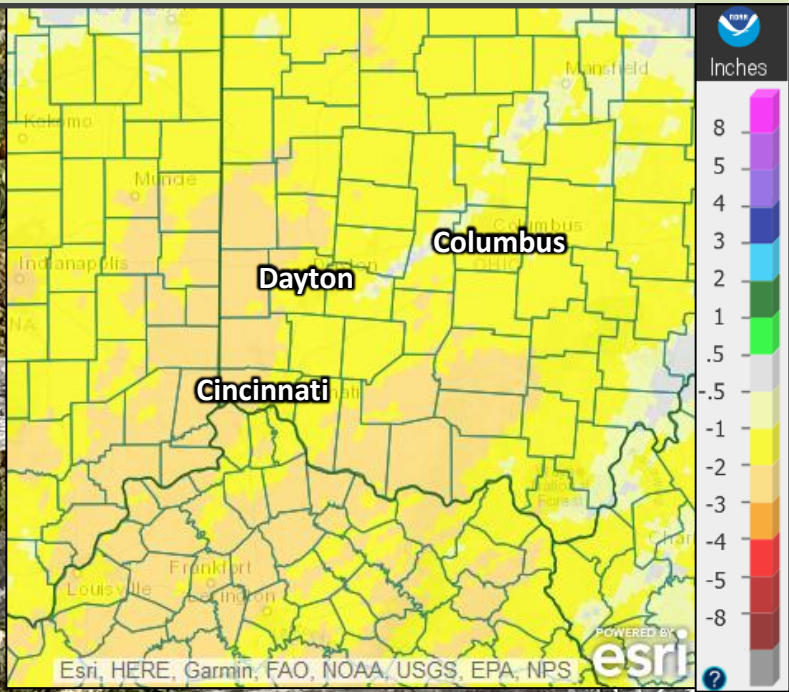
| Site | Total Precipitation (in.) | Departure From Normal (in.) | Max Daily Precipitation (in./date) | | Total Snowfall (in.) | Max Daily Snowfall (in./date) | |
|------------------|---------------------------|-----------------------------|------------------------------------|---------------------------------------|----------------------|-------------------------------|------------------|
| Cincinnati (CVG) | 0.99 | -2.36 | 0.36 | 25 th | Trace | Trace | (Mult.) |
| Columbus (CMH) | 0.60 | -2.30 | 0.15 | 12 th /31 st | Trace | Trace | 18 th |
| Dayton (DAY) | 0.91 | -2.04 | 0.29 | 26 th | Trace | Trace | (Mult.) |



Precipitation (Continued)



October Precipitation Departure From Normal (In.)



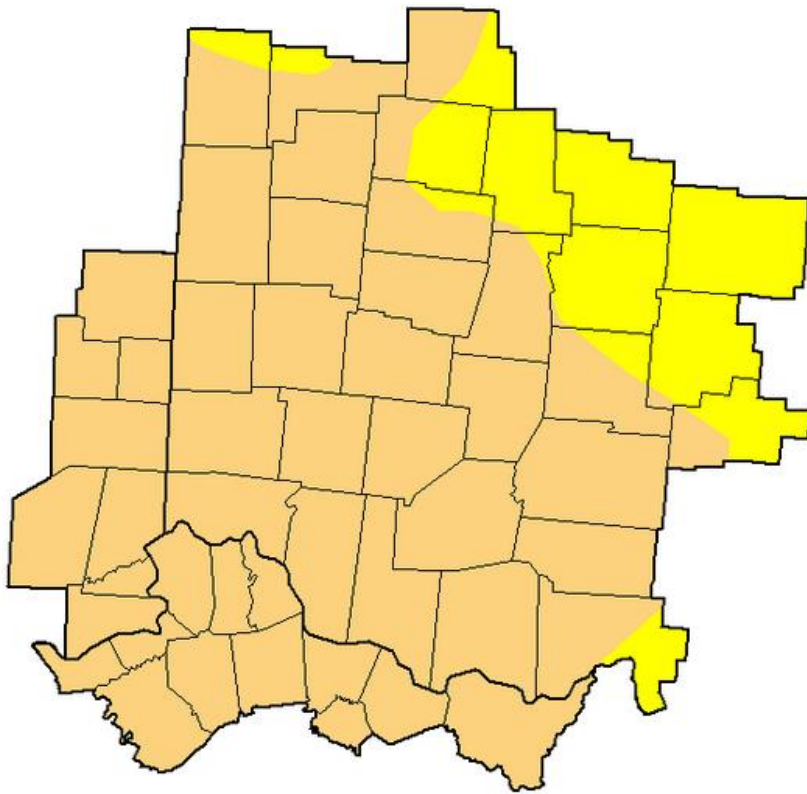
Precipitation (Continued)

U.S. Drought Monitor Wilmington, OH WFO

October 25, 2022
(Released Thursday, Oct. 27, 2022)
Valid 8 a.m. EDT

Drought Conditions (Percent Area)

| | None | D0-D4 | D1-D4 | D2-D4 | D3-D4 | D4 |
|---|--------|--------|-------|-------|-------|------|
| Current | 0.00 | 100.00 | 80.52 | 0.00 | 0.00 | 0.00 |
| Last Week 10-18-2022 | 5.84 | 94.16 | 16.10 | 0.00 | 0.00 | 0.00 |
| 3 Months Ago 07-26-2022 | 80.01 | 19.99 | 0.00 | 0.00 | 0.00 | 0.00 |
| Start of Calendar Year 01-04-2022 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Start of Water Year 09-27-2022 | 95.09 | 4.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| One Year Ago 10-26-2021 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |



Intensity:

- None
- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

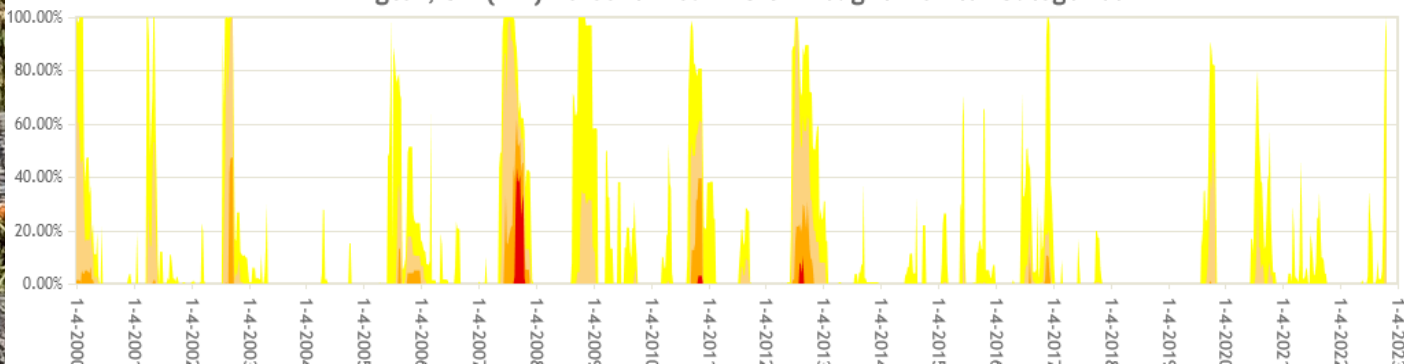
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

Author:

Adam Hartman
NOAA/NWS/NCEP/CPC



Wilmington, OH (ILN) Percent Area in U.S. Drought Monitor Categories



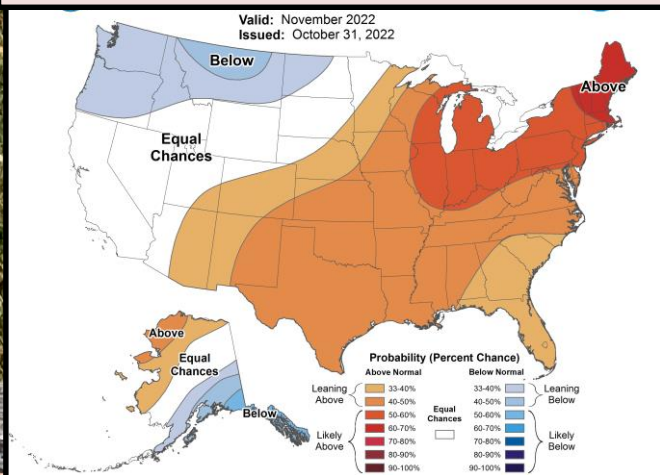
November Outlook

The latest outlook from the Climate Prediction Center calls for an increased likelihood of above normal temperatures and below normal precipitation.

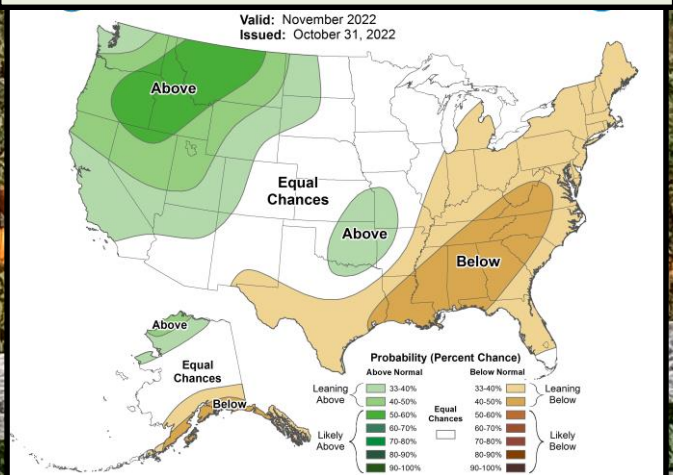
| Site | Normal Avg Temp (°F) | Normal High (°F) | Normal Low (°F) |
|------------------|----------------------|------------------|-----------------|
| Cincinnati (CVG) | 44.4°F | 53.8°F | 35.1°F |
| Columbus (CMH) | 43.6°F | 52.3°F | 35.0°F |
| Dayton (DAY) | 44.1°F | 52.7°F | 35.4°F |

| Site | Normal Precipitation (in.) | Normal Snowfall (in.) |
|------------------|----------------------------|-----------------------|
| Cincinnati (CVG) | 3.23" | 0.8" |
| Columbus (CMH) | 2.79" | 1.2" |
| Dayton (DAY) | 3.39" | 0.8" |

Upcoming Temperature Outlook



Upcoming Precipitation Outlook



November-January Outlook

A La Niña Advisory remains in effect, with La Niña conditions favored to continue through the 2022 - 2023 winter season. There is a 75% chance of this occurrence for the December to February timeframe and then a 54% chance of ENSO-neutral conditions for February-April of next year. The Climate Prediction Center outlook below, which represents the November through January time period, does not show a clear signal for above, below, or normal temperatures and precipitation and therefore shows equal chances across the region.

Three-Month (NDJ) Temp. Outlook

Three-Month (NDJ) Precip. Outlook

Three-Month Temperature Outlook Nov-Dec-Jan 2022-2023

Three-Month Precipitation Outlook Nov-Dec-Jan 2022-2023

