



# NWS Wilmington, Ohio August 2024 Regional Climate Summary

## Regional Climate Summary

***August became one of the quieter months in awhile for severe weather activity. It was the first month since November without a confirmed tornado in our counties. With the lack of thunderstorms in our region, a deficit in rainfall would continue, worsening ongoing drought conditions. Temperatures would also continue to trend above seasonal normals, aided by a prolonged stretch of 90+ degree days at the end of the month.***

# Temperatures

*The first week of August had temperatures trending above seasonal normal through the majority of the week. Our major climate sites all had 90+ degree daytime high temperatures through the bulk of that initial 7 day stretch of the month.*

*A notable drop in temperatures occurred during the second weekend of August, which led to a few consecutive days with highs in the 70s, particularly at Cincinnati and Dayton. This was nearly a 10 degree departure from normal daytime highs in early-to-mid August.*

*The third week was highly variable temperature-wise, with swings from the 70s to the 90s. The primary feature that stood out for the rest of August was the long stretch of 90+ degree weather days to end the month. A prolonged heat wave would eventually give way to record-breaking temperatures at Cincinnati and Dayton on August 30<sup>th</sup>.*

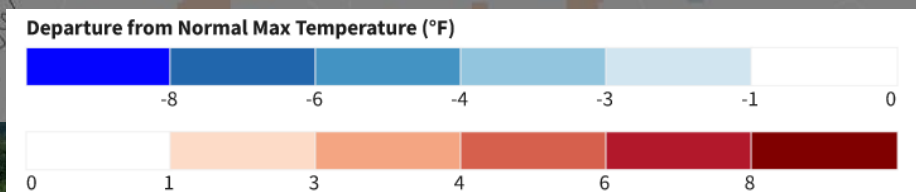
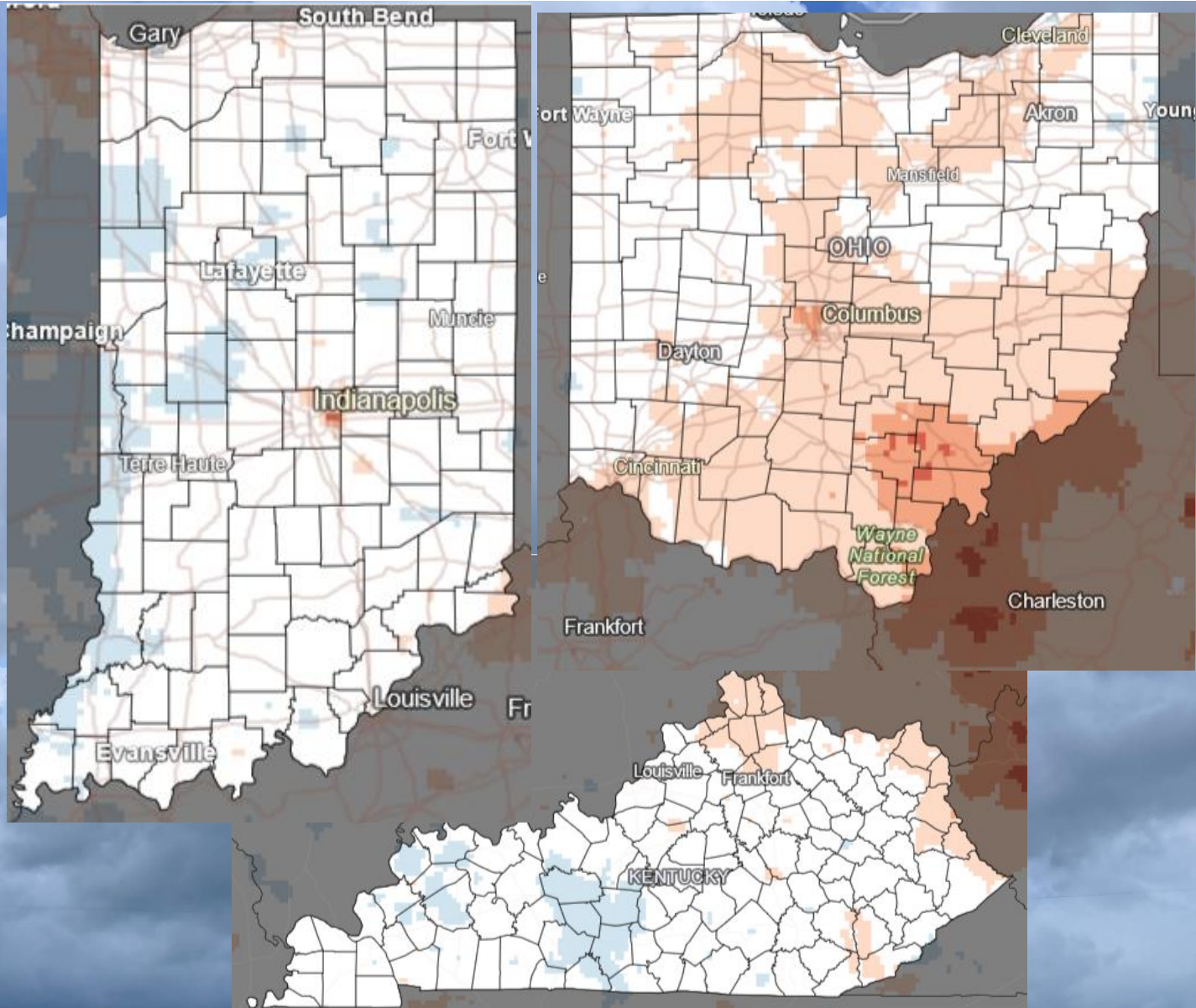
*During the heat wave to close out the month, the big 3 climate sites all experienced their warmest temperatures since 2012! Cincinnati, Columbus, and Dayton all reached 98°F on the 30<sup>th</sup>, with several other sites hitting triple digits on the final day of the month as well. The final 5 days of the month each featured temperatures in the mid to upper 90s, the longest such streak since 2012 as well.*

Site	Avg Temp (°F)	Avg High Temp (°F)	Avg Low Temp (°F)	Departure From Normal (°F)	Maximum Temperature (°F)	Minimum Temperature (°F)
Cincinnati (CVG)	76.1°F	87.2°F	64.9°F	1.2°F	98°F on 30 <sup>th</sup>	53°F on 21 <sup>st</sup>
Columbus (CMH)	76.2°F	87.5°F	64.8°F	2.2°F	98°F on 30 <sup>th</sup>	49°F on 21 <sup>st</sup>
Dayton (DAY)	74.8°F	85.2°F	64.3°F	0.3°F	98°F on 30 <sup>th</sup>	50°F on 21 <sup>st</sup> /22 <sup>nd</sup>



# Temperatures (Continued)

30-Day Departure from Normal Maximum Temperature (°F)



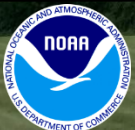
# Precipitation

*The beginning of August had a bit more storm activity that brought consecutive days of measurable precipitation. However, the precipitation measured at our major climate sites wasn't all that substantial given the rainfall deficit across the Ohio Valley through the latter half of this summer.*

*The majority of days this month saw no measurable precipitation. The only other appreciable rainfall came around the 16<sup>th</sup> – 17<sup>th</sup> but even so, only Cincinnati was able to gain 1" of rainfall between those days, whereas Dayton and Columbus received less. Although there were days where some locations received heavy rainfall due to thunderstorms and others received little to none, the precipitation as a whole was far below typical norms for the month of August.*

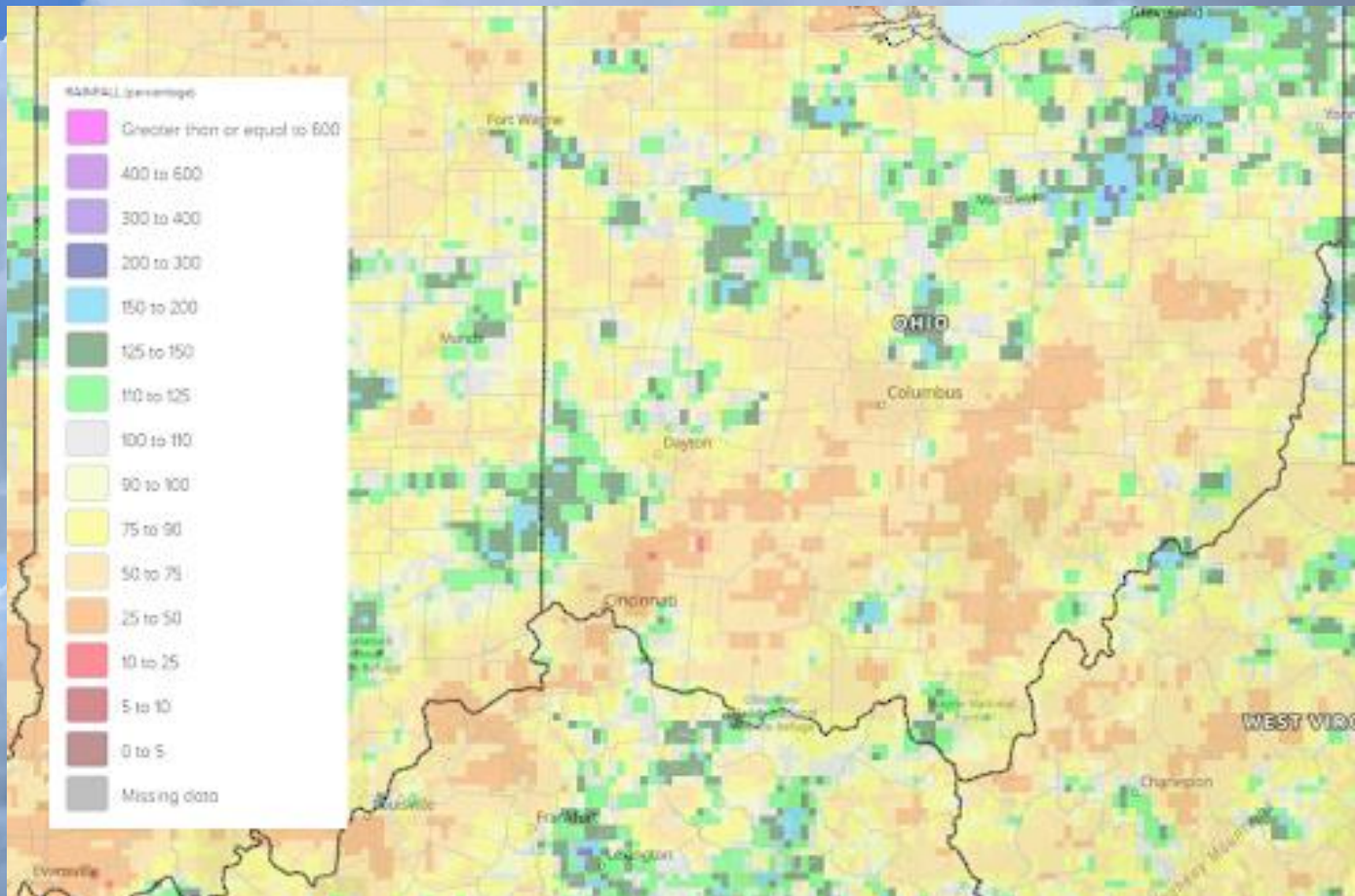
*The drier conditions in August only worsened ongoing drought conditions across parts of south-central and southeastern Ohio. In fact, by the end of the month, large portions of the lower Scioto Valley and southern fringes of central OH were deemed to be in "extreme" drought, per the U.S. Drought Monitor. While some locales further to the west in east-central IN and west-central OH received a bit more rain, most of the area still experienced a drier-than-normal month.*

Site	Total Precipitation (in.)	Departure From Normal (in.)	Max Daily Precipitation (in./date)	Total Snowfall (in.)	Max Daily Snowfall (in./date)
Cincinnati (CVG)	1.75"	-1.68"	1.01	15 <sup>th</sup> -16 <sup>th</sup>	--
Columbus (CMH)	1.98"	-1.76"	0.89	1 <sup>st</sup> – 2 <sup>nd</sup>	--
Dayton (DAY)	2.91"	-0.05"	1.27	6 <sup>th</sup>	--

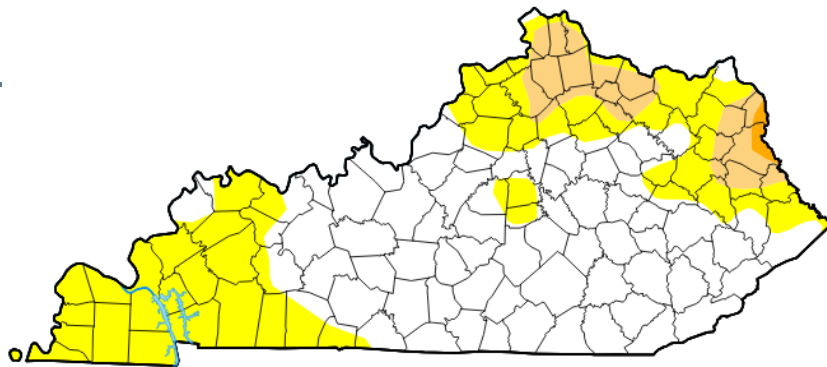
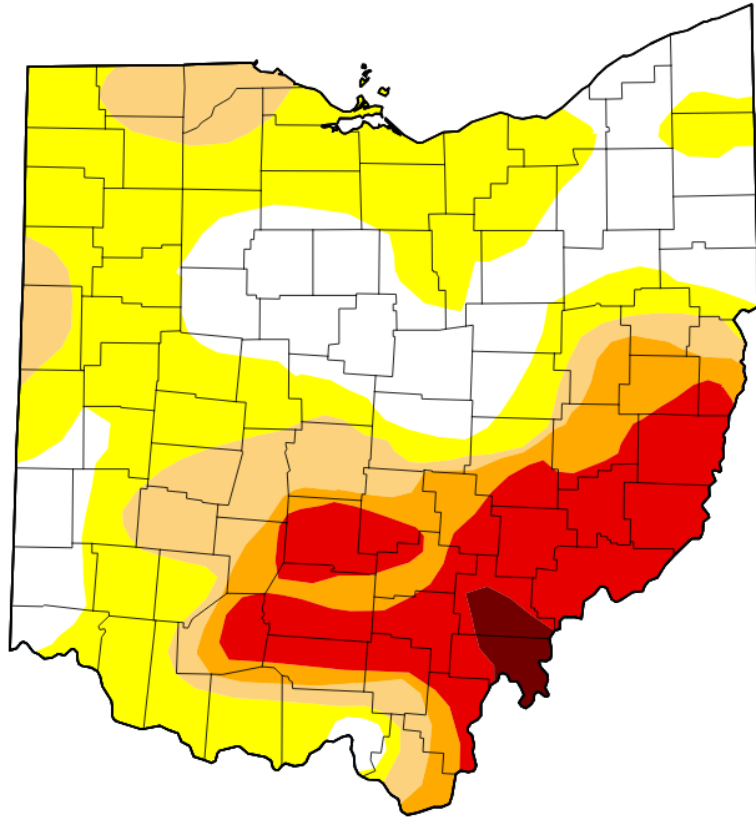
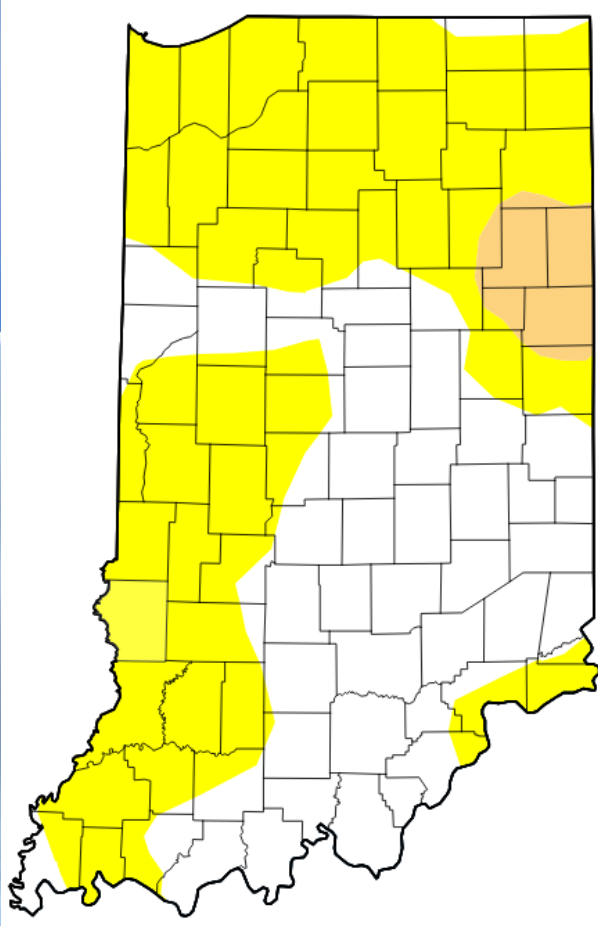


# Precipitation (Continued)

## August 2024 Percent of Normal Precipitation (%)



# US Drought Monitor



Map released: Thurs. August 29, 2024

Data valid: August 27, 2024 at 8 a.m. EDT

## Intensity

- None
- D0 (Abnormally Dry)
- D1 (Moderate Drought)
- D2 (Severe Drought)
- D3 (Extreme Drought)
- D4 (Exceptional Drought)
- No Data



# Severe Weather

*The 1<sup>st</sup>, 2<sup>nd</sup>, and 6<sup>th</sup> all had damaging wind reports across portions of the region. After the 6<sup>th</sup>, the next severe weather did not occur until the 17<sup>th</sup> when additional damaging wind occurred along with isolated large hail. The 28<sup>th</sup> and 29<sup>th</sup> had isolated damaging winds, but overall severe weather this month was limited.*

*After a record breaking year of confirmed tornadoes, August was the first month since January that NWS Wilmington, OH did not have a single confirmed tornado.*



# September Outlook

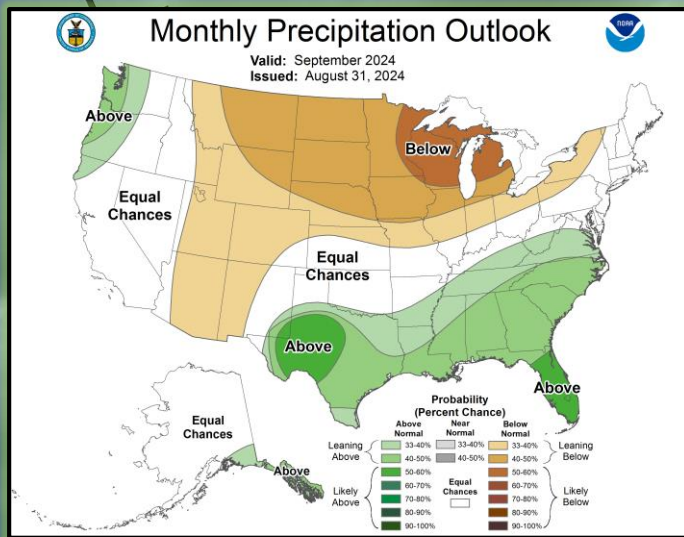
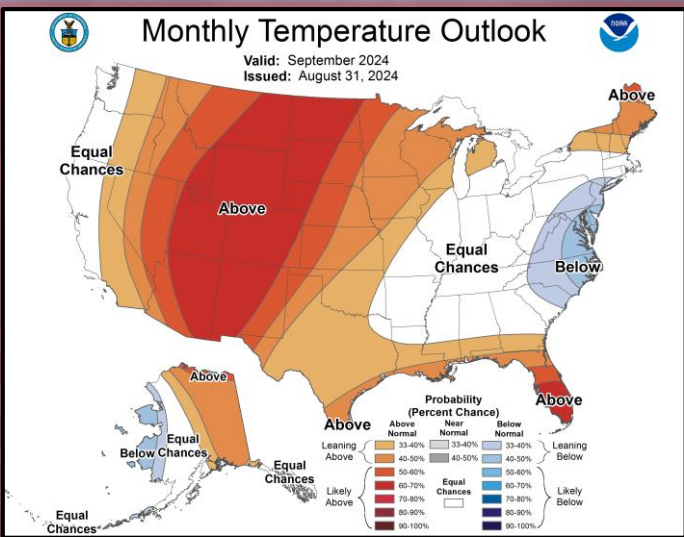
The latest outlook from the Climate Prediction Center for September calls for equal chances of above normal, below normal and near normal temperatures, with an increased likelihood for drier than normal precipitation, especially NW of I-71.

Site	Normal Avg Temp (°F)	Normal High (°F)	Normal Low (°F)
Cincinnati (CVG)	68.1°F	78.9°F	57.3°F
Columbus (CMH)	67.2°F	77.8°F	56.5°F
Dayton (DAY)	67.7°F	78.6°F	56.8°F

Site	Normal Precipitation (in.)	Normal Snowfall (in.)
Cincinnati (CVG)	3.11"	0.0"
Columbus (CMH)	3.14"	0.0"
Dayton (DAY)	3.31"	0.0"

## Upcoming Temperature Outlook

## Upcoming Precipitation Outlook



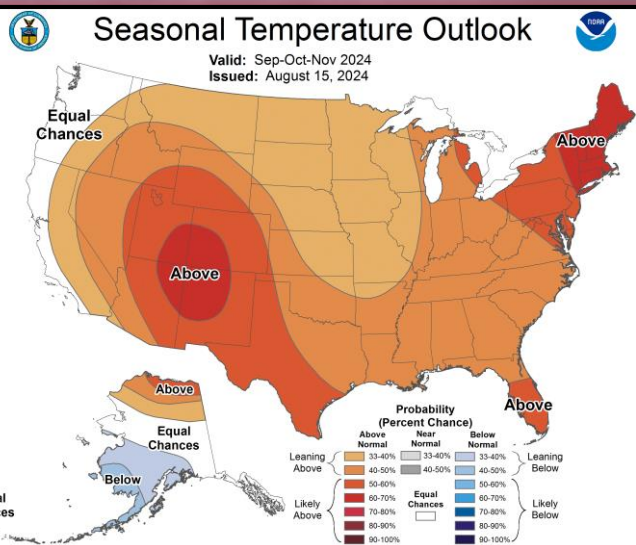


# September-November Outlook

*There is an increased likelihood of above normal temperatures during the September to November timeframe. There is not as clear of a signal for precipitation with equal chances of below normal, normal, and above normal precipitation.*

*ENSO neutral conditions are in place. La Niña is favored to emerge during the September to November timeframe (66% chance) and persist during the winter months (74% chance).*

## Three-Month (SOV) Temp. Outlook



## Three-Month (SOV) Precip. Outlook

