

# NWS Wilmington, Ohio October 2024 Regional Climate Summary

## Regional Climate Summary

*Although September ended on a wet note for parts of the region, the weather pattern defaulted back to a “warm and dry” regime for most of October. In fact, there were only a few days with measurable rainfall anywhere in the Ohio Valley, with most spots receiving less than ¼” through the first 3+ weeks of the month. And although a brief cool down evolved in the middle of October, most of the month was dominated by a warmer-than-normal pattern.*

# Temperatures

*During the month, with dry conditions prevailing through most of October, large diurnal (daily) swings were commonplace. These diurnal swings were sometimes in excess of 30 degrees from morning to afternoon. And so although there were bountiful “warm” afternoons, the overnights and mornings often were a bit chilly.*

*During the first two weeks of the month temperatures, fluctuated above and below normal, however the day with the largest departure from normal for the first two weeks was the 6<sup>th</sup> when the warmest high temperatures across the region for the month occurred. Temperatures reached into the middle to upper 80s in many areas.*

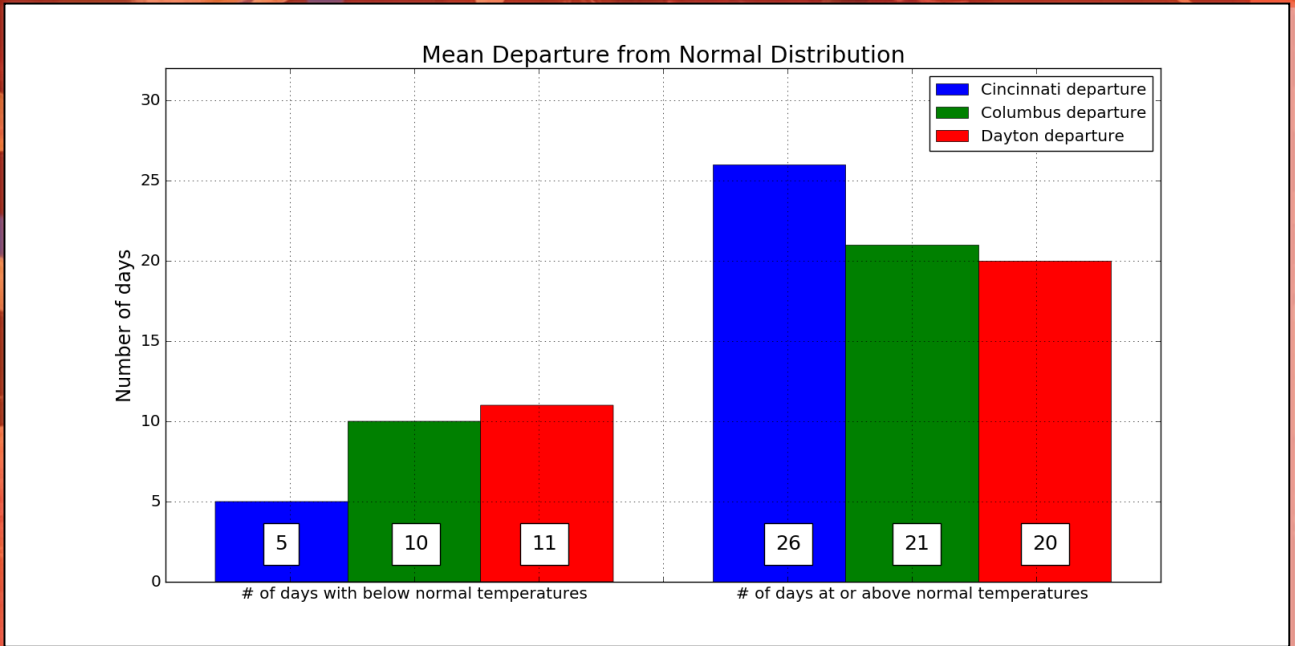
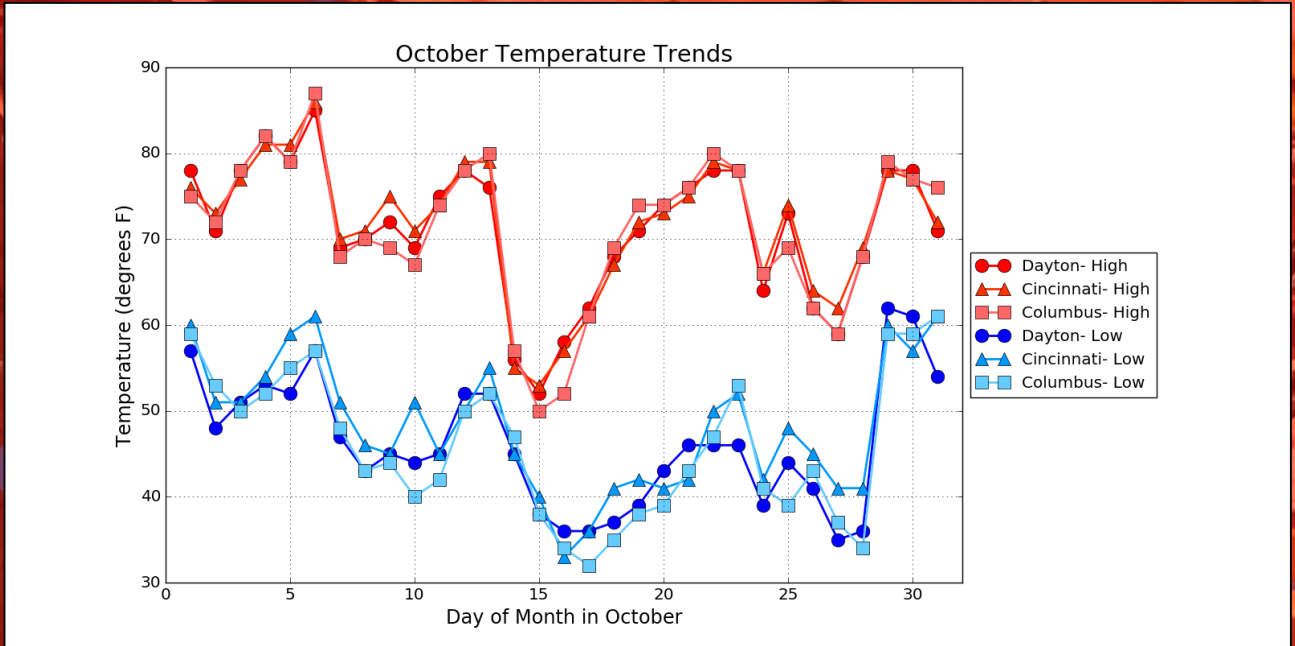
*At the very end of the 2<sup>nd</sup> week and going into the 3<sup>rd</sup> week of the month, cooler air worked into the region with several days of below normal temperatures. Average temperatures were over 10 degrees below normal on the 15<sup>th</sup>. Overall, the coolest high temperatures of the month were also on the 15<sup>th</sup>. Thereafter, however, the pattern settled right back into a regime characterized by large diurnal temperature swings, with daily highs often varying by 30 or more degrees from daily lows.*

*Slightly cooler air worked into the region behind a front by the 26<sup>th</sup>, but it was brief. An unusually-warm airmass came right back for the final several days of the month.*

Site	Avg Temp (°F)	Avg High Temp (°F)	Avg Low Temp (°F)	Departure From Normal (°F)	Maximum Temperature (°F)	Minimum Temperature (°F)
Cincinnati (CVG)	60.0	71.8	48.3	+3.8	86 on 6 <sup>th</sup>	33 on 16 <sup>th</sup>
Columbus (CMH)	58.5	71.2	45.9	+3.3	87 on 6 <sup>th</sup>	32 on 17 <sup>th</sup>
Dayton (DAY)	58.7	71.2	46.1	+2.7	85 on 6 <sup>th</sup>	35 on 27 <sup>th</sup>



# Temperatures (Continued)



# Precipitation

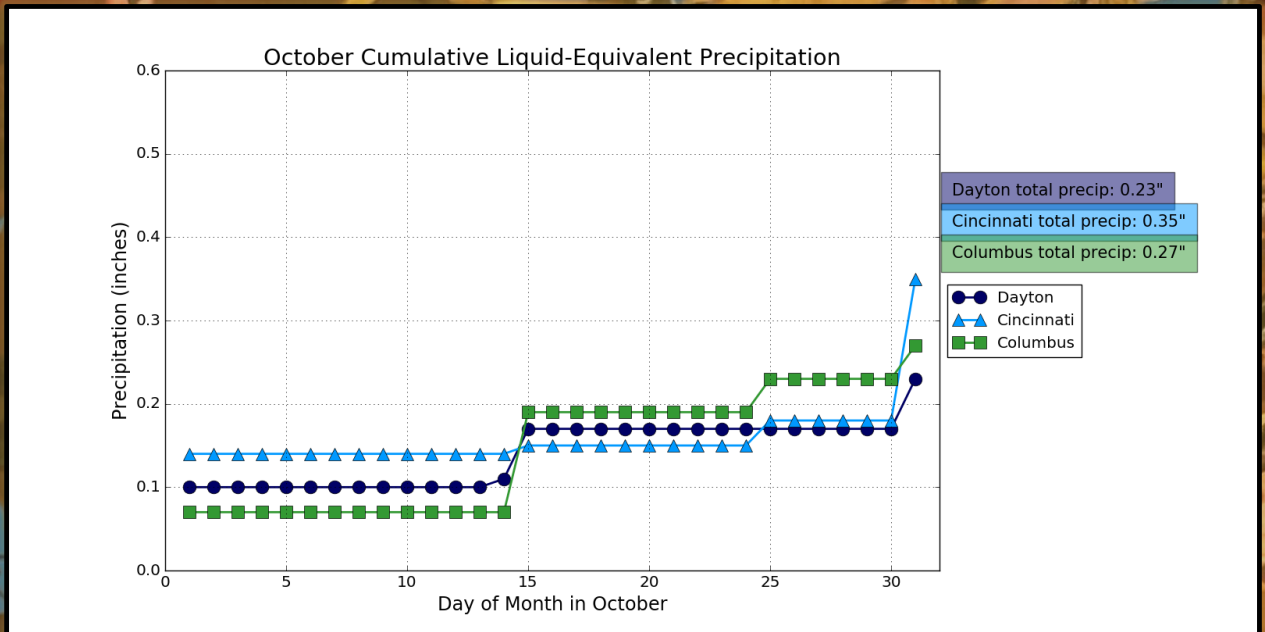
*The first three weeks of the month were very dry across the region, with less than an inch of rainfall occurring across almost the entire region and several locations had less than a tenth or quarter of an inch of rain through at least the 24th. Graupel (soft, small ice pellets that form when supercooled (existing at less than 32°F) water droplets freeze onto a snow crystal) occurred with some of the showers on the 15<sup>th</sup>, leading to some reports of a T to 0.1 snowfall on official climate reports.*

*Most days in the month were sunshine-filled with no precipitation across the entire region. Some light rain returned to the region on the 25<sup>th</sup>, but most places again picked up less than a tenth of an inch. Another stretch of dry days followed until the final day of the month. Some rain returned to the region on Halloween.*

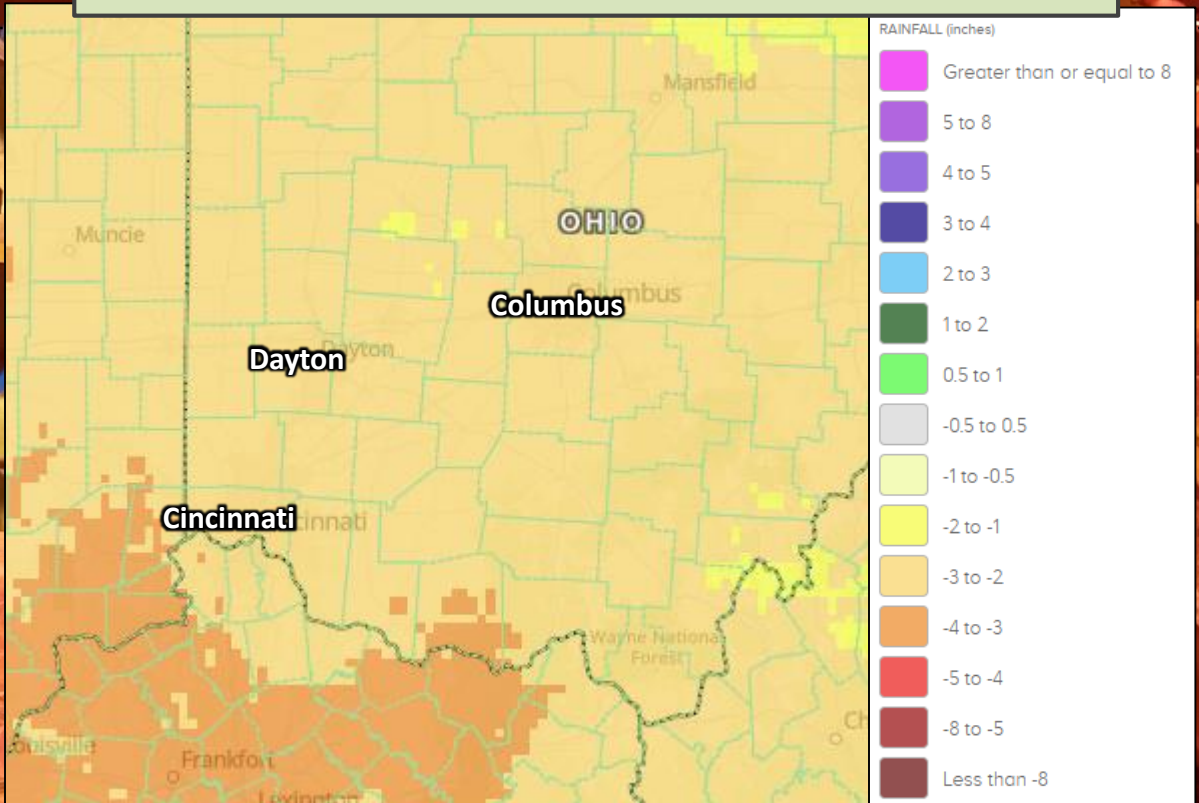
Site	Total Precipitation (in.)	Departure From Normal (in.)	Max Daily Precipitation (in./date)		Total Snowfall (in.)	Max Daily Snowfall (in./date)	
Cincinnati (CVG)	0.35	-3.00	0.17	31 <sup>st</sup>	T	T	15 <sup>th</sup>
Columbus (CMH)	0.27	-2.63	0.12	15 <sup>th</sup>	0.1	0.1	15 <sup>th</sup>
Dayton (DAY)	0.23	-2.72	0.10	1 <sup>st</sup>	0.0	0.0	N/A



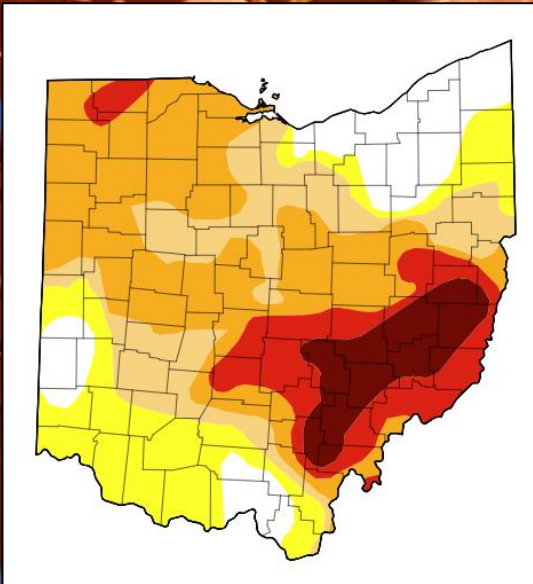
# Precipitation (Continued)



## October Precipitation Departure From Normal (In.)









# Latest Drought Outlook

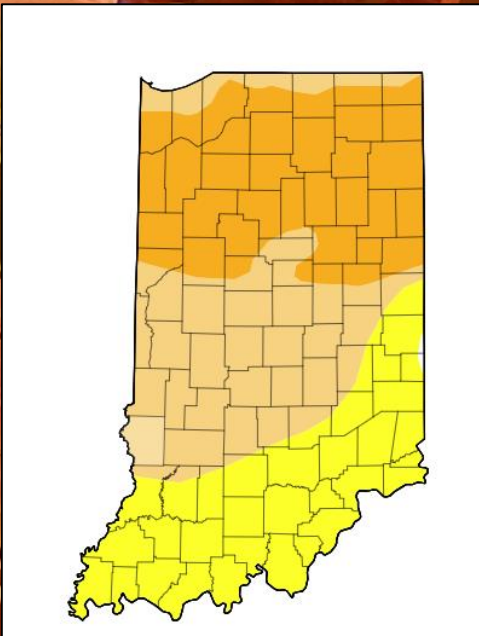
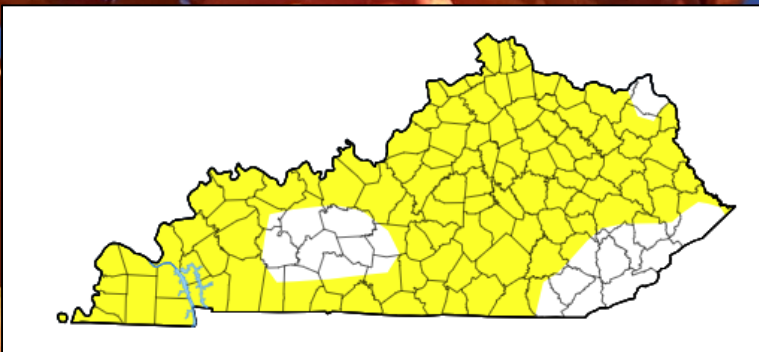


Map released: October 31, 2024

Data valid: October 29, 2024

## Intensity

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



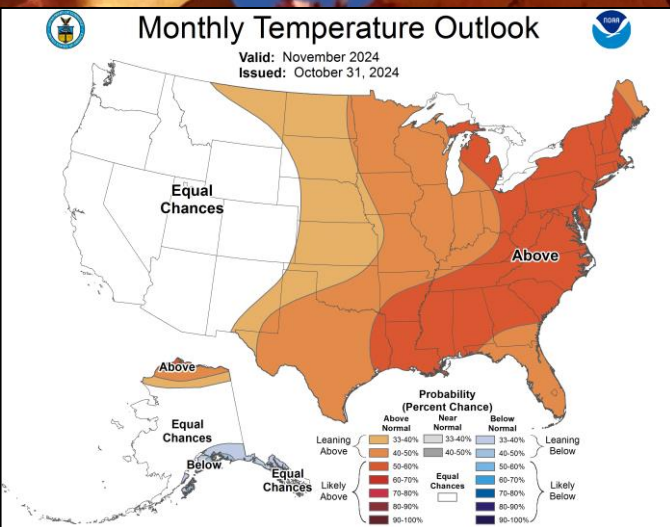
# November Outlook

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

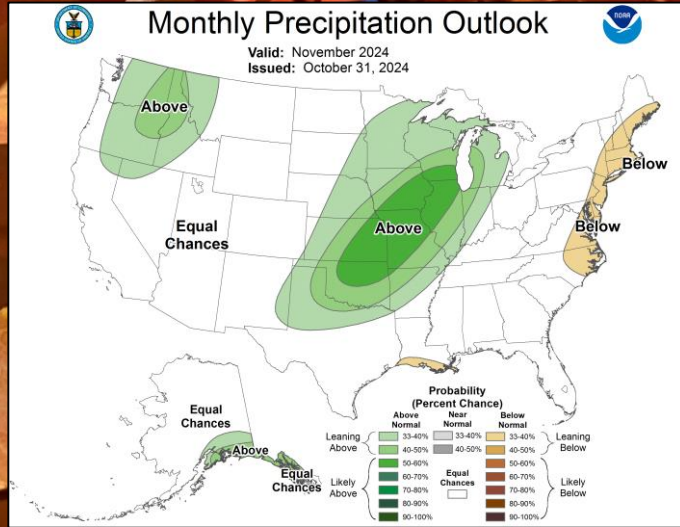
Site	Normal Avg Temp (°F)	Normal High (°F)	Normal Low (°F)
Cincinnati (CVG)	44.4°F	53.8°F	35.1°F
Columbus (CMH)	43.6°F	52.3°F	35.0°F
Dayton (DAY)	44.1°F	52.7°F	35.4°F

Site	Normal Precipitation (in.)	Normal Snowfall (in.)
Cincinnati (CVG)	3.23"	0.8"
Columbus (CMH)	2.79"	1.2"
Dayton (DAY)	3.07"	0.8"

## Upcoming Temperature Outlook



## Upcoming Precipitation Outlook

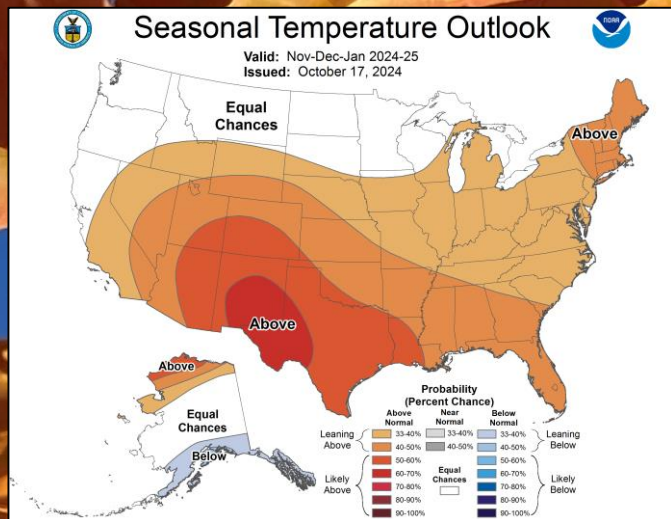


# November-January Outlook

*For the November through January timeframe there is an increased likelihood of above normal temperatures. There is not as clear of a signal for precipitation with equal chances of below, normal, and above normal precipitation. This will start to change going into the December through February timeframe where there is an increased likelihood of above normal precipitation.*

*A La Niña watch continues with La Niña favored to emerge this fall and then continue through the winter months.*

## Three-Month (NDJ) Temp. Outlook



## Three-Month (NDJ) Precip. Outlook

