

NWS Wilmington, Ohio September 2022 Regional Climate Summary

Regional Climate Summary

While the pattern in September started off on a rather active note through the first week, a much more seasonably-quiet stretch evolved for the final 3 weeks of the month, with few days with any notable widespread precipitation. A very brief warmup evolved on the 21st, with many spots reaching into the lower to mid 90s, but a cooler pattern evolved for the final part of the month, with numerous days with highs in the 60s and lows in the 40s and 50s.

Temperatures

There were very few large temperature fluctuations during the first half of the month. Overall, temperatures were generally slightly above normal across most of the region, with more days of warmer-than-normal conditions than not. Many locations had high temperatures in the 70s or 80s and lows in the 50s and 60s.

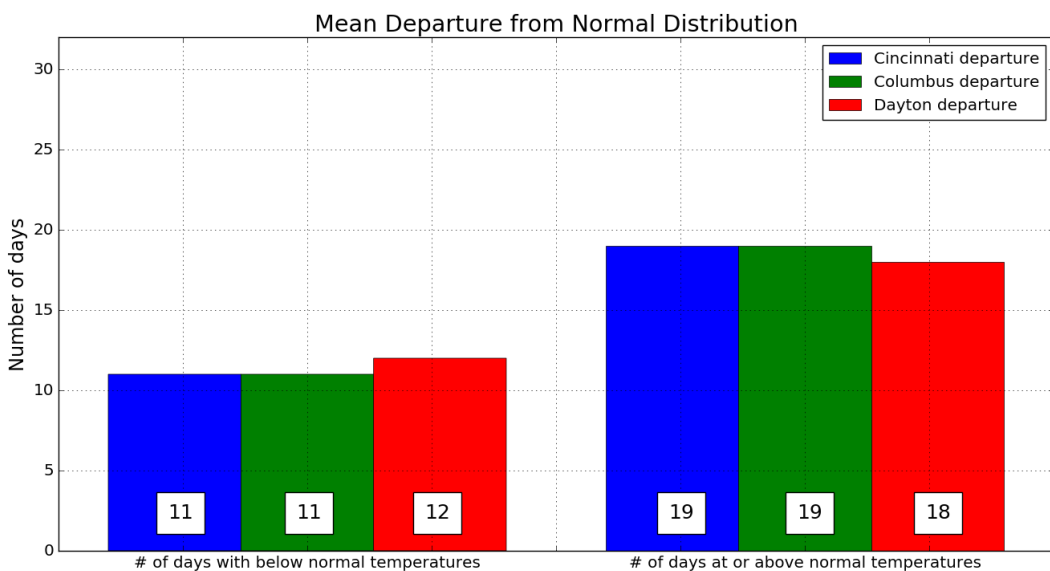
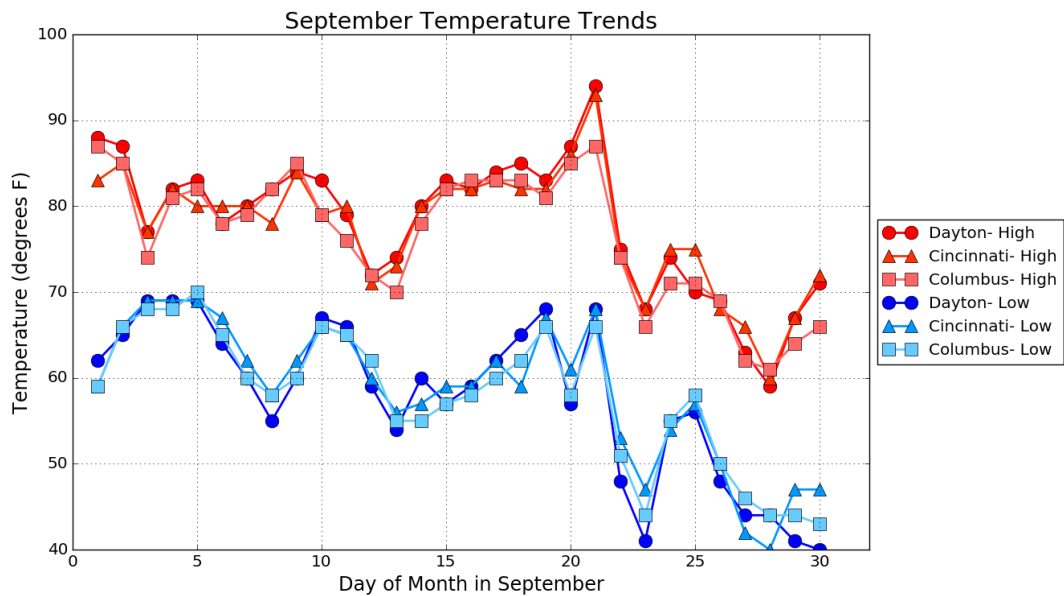
Heading into the second half of the month, there was an extended stretch of above normal temperatures across all of the local climate sites, with highs climbing above 80 degrees between the 15th – 21st. On the 21st, both Dayton and Cincinnati observed high temperatures over 90 degrees, with Dayton only 1 degree away from tying a daily record high for the date.

The script changed as we went into the third week of September as temperatures slid back below climatological norms after the 21st through the remainder of the month. There were numerous days in the final week plus of the month where highs only reached into the 60s, with lows in the 40s. A few rural spots dipped into the upper 30s on several occasions 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)	68.1°F	77.6°F	58.6°F	0.0°F	93 on 21 st	48 on 28 th
Columbus (CMH)	67.3°F	76.5°F	58.0°F	+0.1°F	87 on 1 st & 21 st	43 on 30 th
Dayton (DAY)	67.9°F	78.1°F	57.7°F	+0.2°F	94 on 21 st	40 on 30 th



Temperatures (Continued)



Precipitation

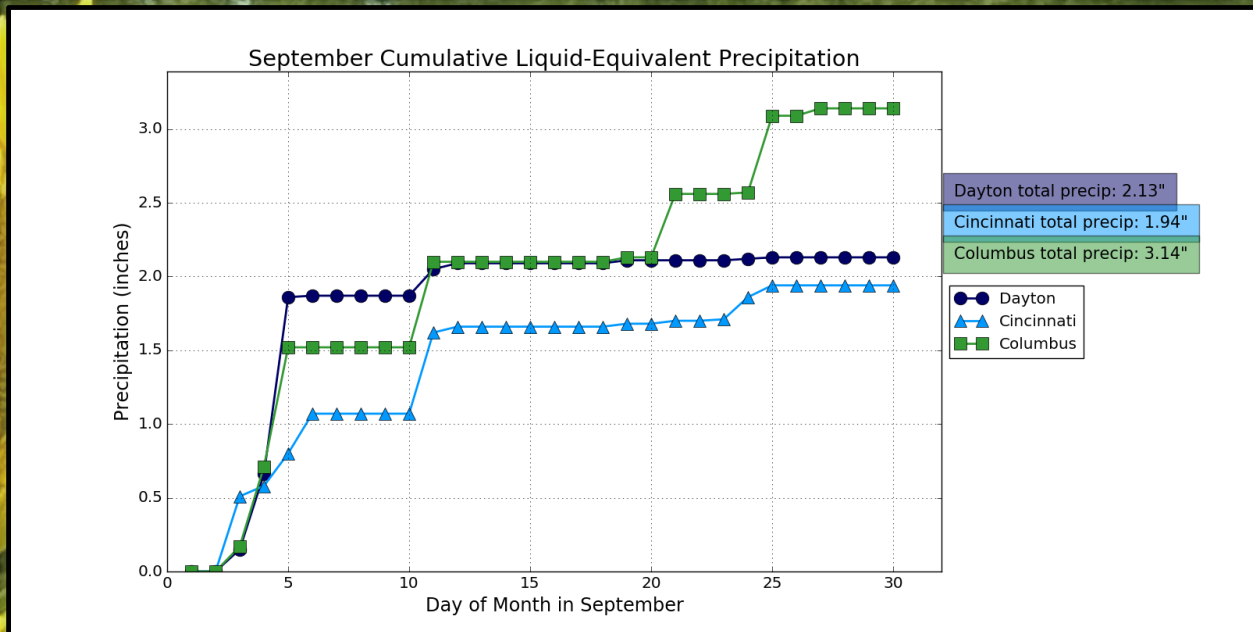
The majority of monthly rainfall occurred within the first week of September when most of the thunderstorm activity occurred. The most significant precipitation event came on Saturday, September 3rd, in which nearly-stationary thunderstorms resulted in significant flash flooding in parts of southeast Indiana, including in Switzerland County, IN. Rainfall of 6-10" fell within only a 3-4 hour period for some spots, resulting in rapid rises on area waterways and quickly inundating normally-dry areas.

Storm activity was unusually frequent for many locales during the first week of the month, but the pattern became quite a bit quieter after the first week, with very few episodes of widespread rain or storms. In fact, in the final 3+ weeks of the month, many in the local area received an inch of rain or less combined during the stretch. This helped "even" out the rain pattern throughout the month after the wet start. In fact, aside from parts of southeast IN and southwest OH, many spots ended the month with near to below normal precipitation as a whole.

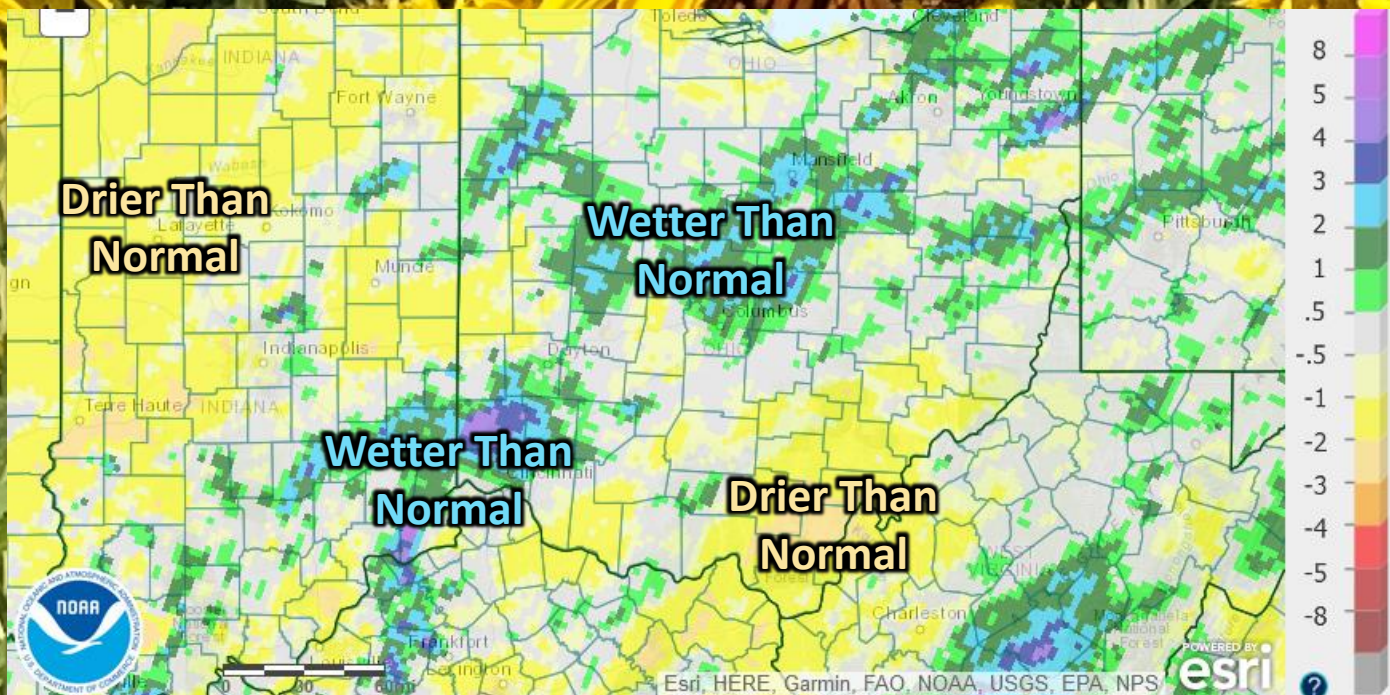
Site	Total Precipitation (in.)	Departure From Normal (in.)	Max Daily Precipitation (in./date)	
Cincinnati (CVG)	1.94"	-1.17"	0.55"	11 th
Columbus (CMH)	3.14"	0.00"	0.81"	4 th -5 th
Dayton (DAY)	2.13"	-1.18"	1.54"	4 th -5 th



Precipitation (Continued)



September Observed Precipitation Departure From Normal (Inches)



Severe Weather/Flooding

During the late afternoon/evening hours of September 3rd, a slow-moving complex of storms aligned itself in a south-north fashion over the Indian Creek basin of western Switzerland County, IN. Radar estimated that as much as 10" of rain fell from Mt. Sterling to Bennington, with Bennington marking the center of the heaviest rain estimates. Most of this rain fell in a **4-5 hour** window. The flash flood event on September 3rd uprooted numerous trees along Indian Creek, and destroyed several bridges, roads, and structures. The pictures below are from Bennington Pike, Smith Ridge, and Parks Ridge roads in Switzerland County, Indiana.

Isolated damaging winds occurred with storms on the 6th of the month.



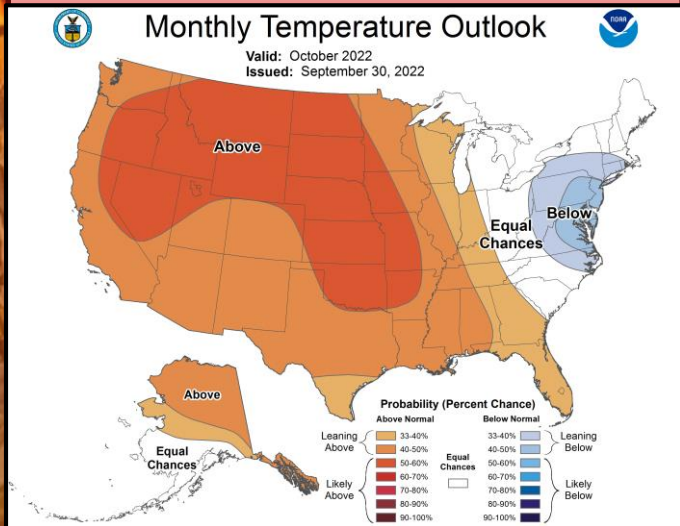
October Outlook

The latest outlook from the Climate Prediction Center (CPC) favors equal chances for above normal, below normal and near normal temperatures for October, as well as a 33% chance for below normal precipitation values for much of our region.

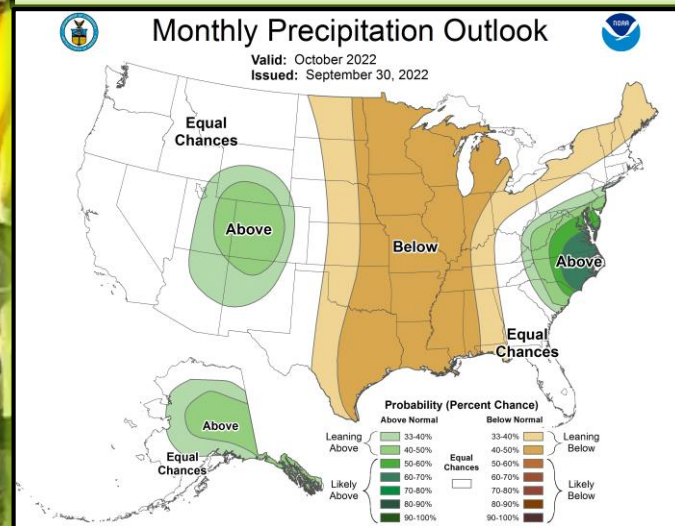
Site	Normal Avg Temp (°F)	Normal High (°F)	Normal Low (°F)
Cincinnati (CVG)	56.2°F	66.7°F	45.7°F
Columbus (CMH)	55.2°F	65.5°F	44.8°F
Dayton (DAY)	56.0°F	66.2°F	45.9°F

Site	Normal Precipitation (in.)	Normal Snowfall (in.)
Cincinnati (CVG)	3.35"	0.2"
Columbus (CMH)	2.90"	0.2"
Dayton (DAY)	2.95"	0.2"

Upcoming Temperature Outlook



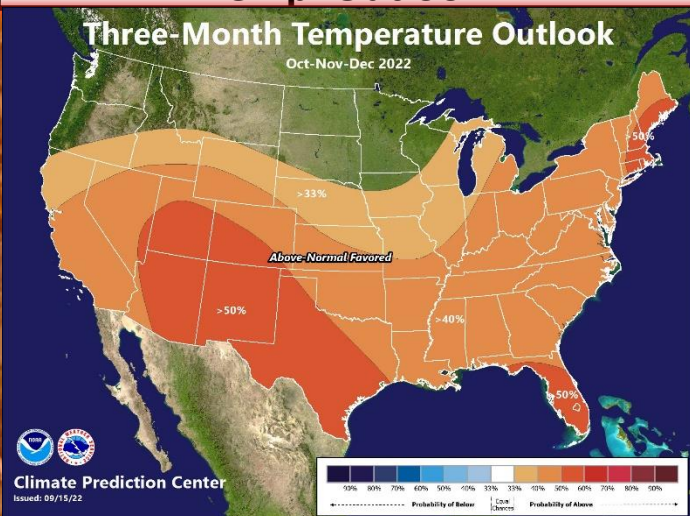
Upcoming Precipitation Outlook



October-December Outlook

A La Niña Advisory remains in effect, with La Niña conditions favored to continue through 2022 - 2023 winter season. There is a 91% chance of this occurrence between September-November, decreasing to a 54% chance between January-March of 2023. The CPC outlook below, which represents the October-December time period, favors above normal temperatures and equal chances for above normal, below normal or near normal precipitation values.

Three-Month (OND) Temp. Outlook



Three-Month (OND) Precip. Outlook

