

NWS Wilmington, Ohio September 2025 Regional Weather Summary

Regional Weather Summary

September 2025 will be remembered for a tale of two weather patterns, with a prolonged stretch of abundant sunshine and dry conditions through the first 3 weeks before a slow-moving weather system brought several days of rain, clouds, and cooler temperatures during the final full week of the month. Very little rainfall occurred across the region through the first 3 weeks before a very wet pattern yielded widespread 1-2+” from the 22nd through the 25th. The wet pattern was short-lived, with the month ending very warm and dry.

Temperatures

Near to slightly below normal temperatures prevailed through the first 10 days of the month before a warmup evolved toward mid-month and beyond.

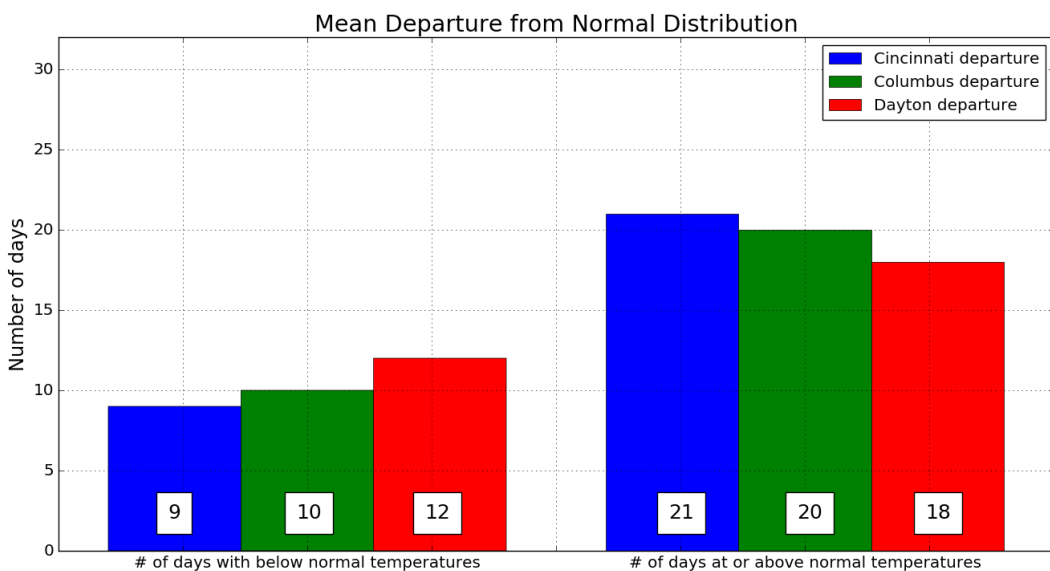
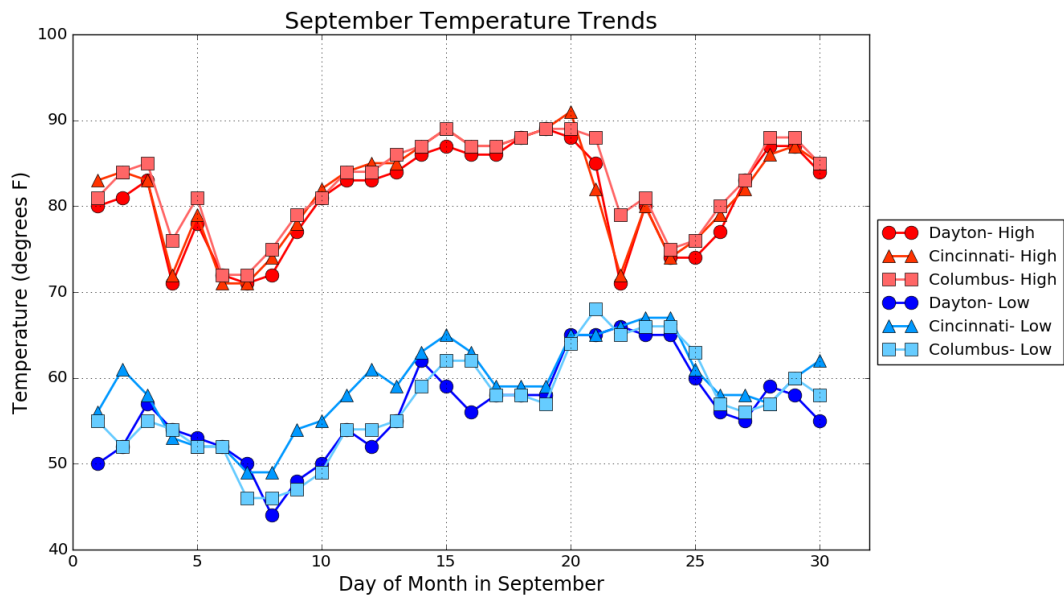
A prolonged warmup evolved beyond the 10th, lasting for about 2 weeks before a wetter and cooler pattern briefly developed during the final full week of the month. There was an extended stretch of above normal daytime temperatures with abundant sunshine and cool overnight periods as very dry air settled into the region. Highs reached into the 80s on numerous occasions, with lows generally in the 50s and lower 60s.

Cooler air returned to the area by the 23rd as quite a bit of clouds and rain impacted the region for a several-day stretch. While cooler, temperatures still averaged above normal. After the rain stopped, dry air and warmer temperatures returned. To wrap up the month, daily highs once again reached the 80s for several days.

Site	Avg Temp (°F)	Avg High Temp (°F)	Avg Low Temp (°F)	Departure From Normal (°F)	Maximum Temperature (°F)	Minimum Temperature (°F)
Cincinnati (CVG)	70.4	81.7	59.0	2.3	91 on 20 th	49 on 7 th and 8 th
Columbus (CMH)	69.8	82.6	56.9	2.6	89 on 15 th , 19 th , and 20 th	46 on 7 th and 8 th
Dayton (DAY)	68.7	80.9	56.4	1.0	89 on 19 th	44 on 8 th



Temperatures (Continued)



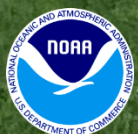
Precipitation

Less than a quarter of an inch of rainfall occurred in most locations northwest of Dayton to Columbus for the first third of the month, leading to the expansion of moderate drought conditions. Moderate drought continued to expand area wide as the middle part of the month saw no rainfall and very warm conditions.

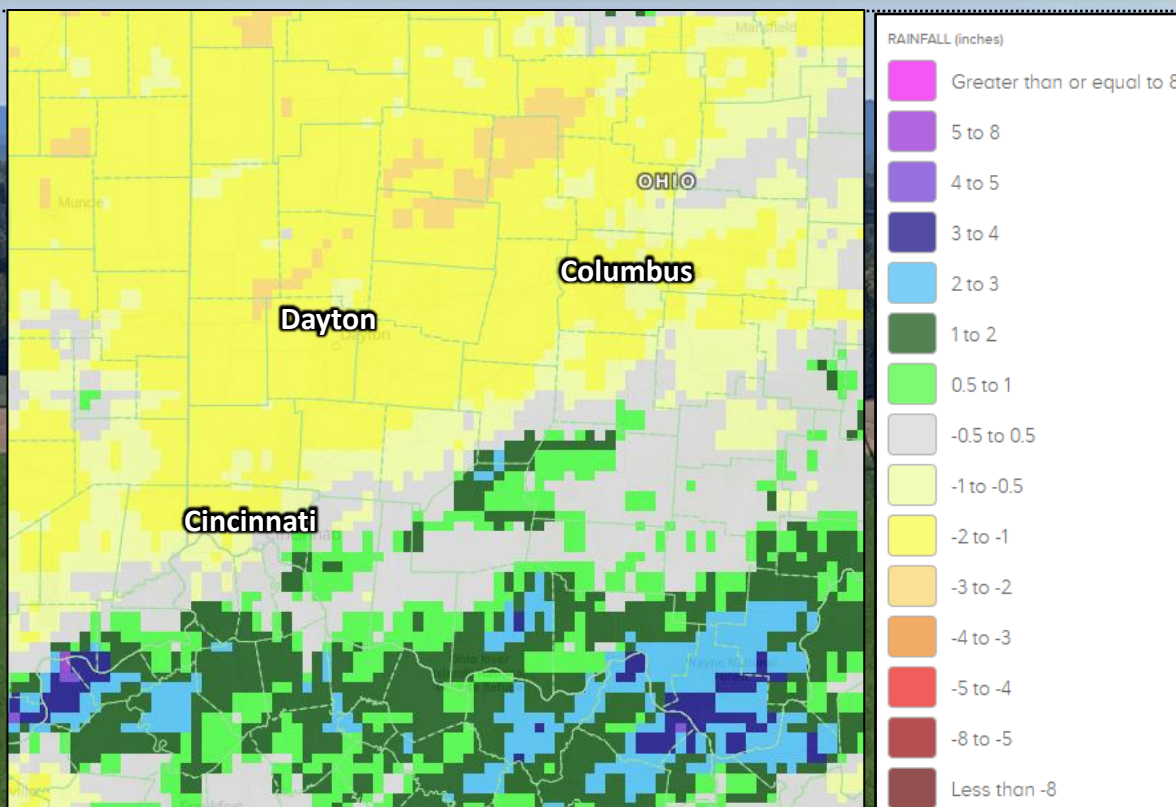
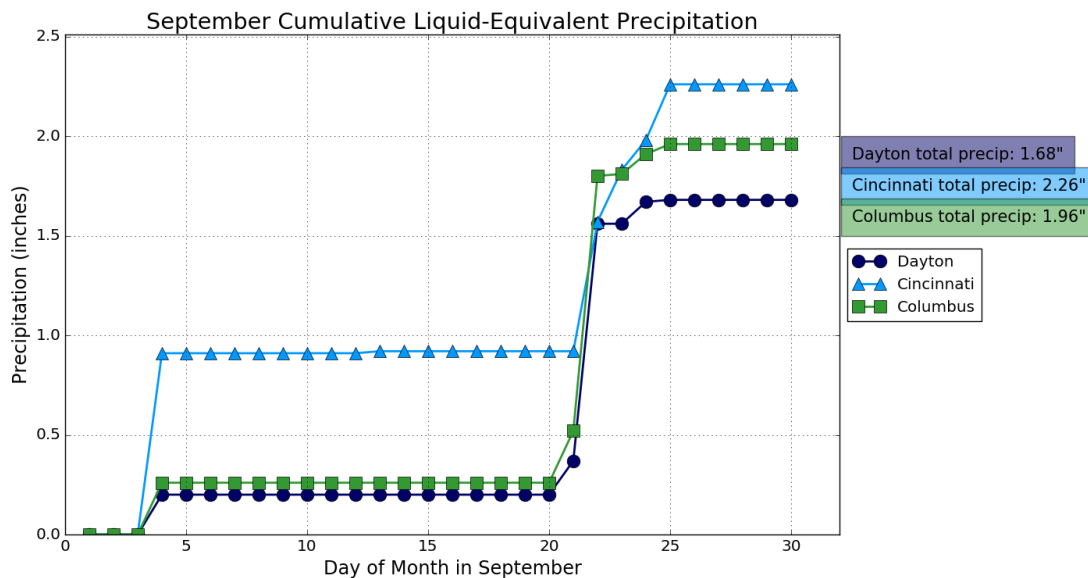
The dry spell eventually broke with widespread rainfall occurring between the 21st and 25th. While widespread rainfall chances did occur, some locations observed significantly more rainfall than others. Portions of southwest, western and central Ohio along with eastern Indiana saw the lesser amounts, with only 1 to 2 inches falling. However, portions of southeast Indiana and all of southern Ohio and northern Kentucky observed between 3 and 5 inches. The higher amounts improved drought conditions across these areas. Despite the improvements, the heavier rain missed all three of the local climate sites, resulting in another month of below normal rainfall across the board.

The last few days of the month saw a return back to dry conditions, with little rainfall expected into the early part of October.

Site	Total Precipitation (in.)	Departure From Normal (in.)	Max Daily Precipitation (in./date)	
Cincinnati (CVG)	2.26	-0.85	0.91	4 th
Columbus (CMH)	1.96	-1.18	1.28	22 nd
Dayton (DAY)	1.68	-1.63	1.19	22 nd



Precipitation (Continued)



U.S. Drought Monitor

The latest US Drought Outlook was released on October 2nd.

This map reflects improvements from the previous week, mainly in portions of south-central OH and north-central KY given the consecutive days of rainfall during the latter half of September. Elsewhere, conditions remain fairly unchanged.

U.S. Drought Monitor Wilmington, OH WFO

September 30, 2025

(Released Thursday, Oct. 2, 2025)

Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	0.86	99.14	74.08	2.99	0.00	0.00
Last Week 09-23-2025	0.00	100.00	96.28	5.46	0.00	0.00
3 Months Ago 07-01-2025	100.00	0.00	0.00	0.00	0.00	0.00
Start of Calendar Year 01-07-2025	96.68	3.32	0.00	0.00	0.00	0.00
Start of Water Year 10-01-2024	15.14	84.86	49.90	16.55	7.47	0.49
One Year Ago 10-01-2024	15.14	84.86	49.90	16.55	7.47	0.49

Intensity:

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

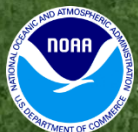
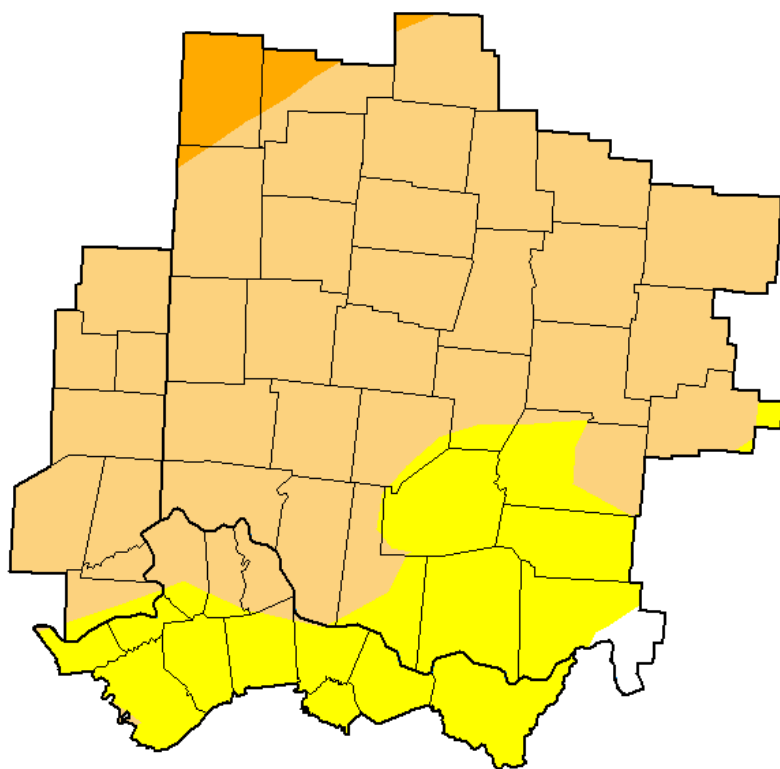
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

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droughtmonitor.unl.edu



October Outlook

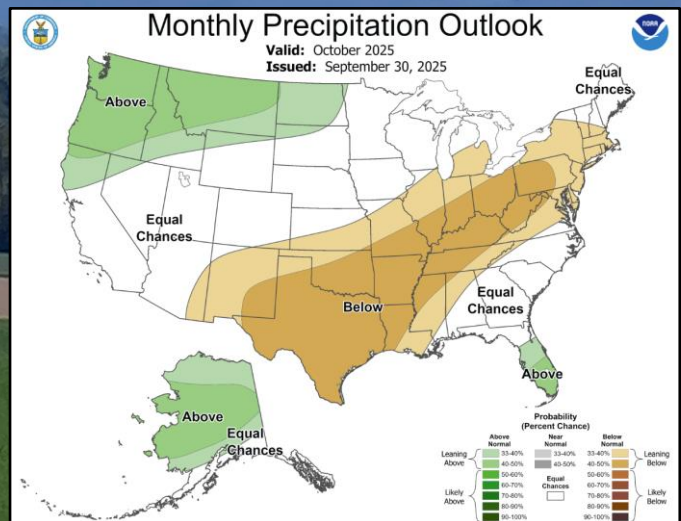
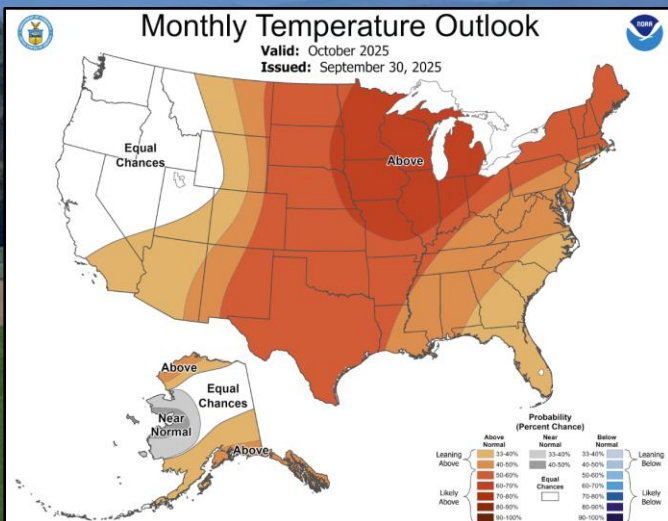
The latest outlook from the Climate Prediction Center calls for an increased likelihood of above normal temperatures and an increased likelihood of below normal precipitation.

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

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

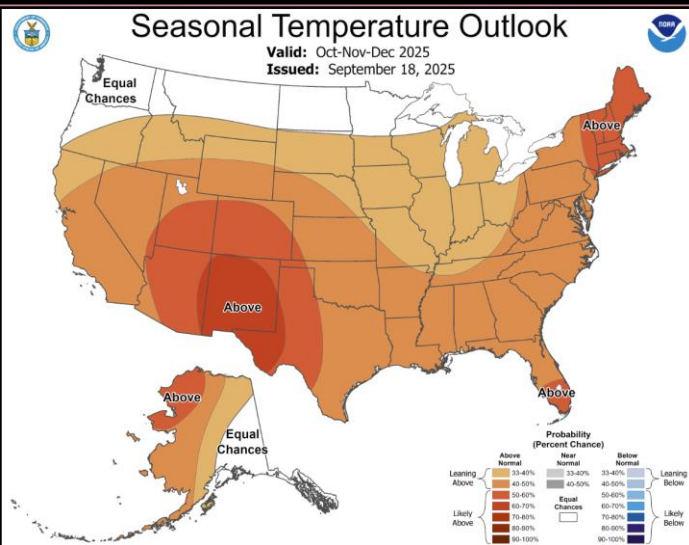
Upcoming Precipitation Outlook



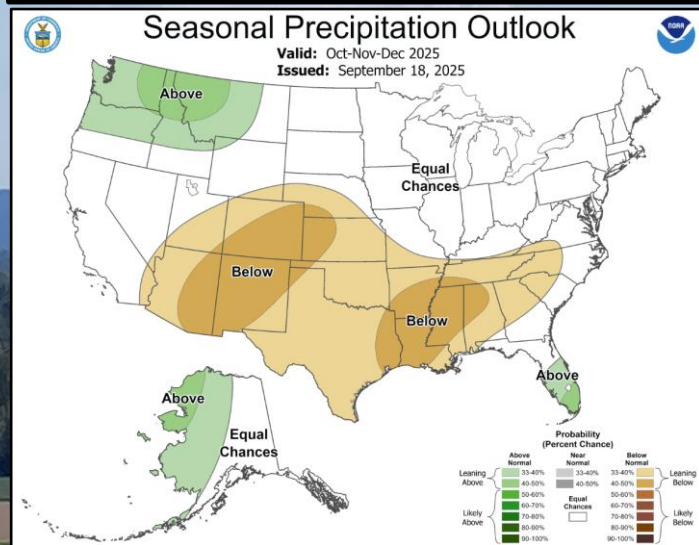
October to December Outlook

The three month seasonal outlook for October, November, and December calls for an increased likelihood of above normal temperatures, but calls for equal chances of above, normal, and below normal precipitation. A La Niña Watch remains in effect with a 71% chance of La Niña conditions during the next three months. La Niña is favored to continue but odds decrease to a 54% for the December through February period.

Three-Month (OND) Temp. Outlook



Three-Month (OND) Precip. Outlook



Severe Weather

After several weeks of dry weather, a system produced widespread thunderstorms across northern Kentucky and southern Ohio. Some of these thunderstorms were severe. A tornado occurred in Bracken County, causing tree and structural damage in and around the town of Brooksville, KY. The tornado was rated EF-0.

