CLIMATE SUMMARY

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Precipitation

According to the National Centers for Environmental Information (NCEI), the statewide average September precipitation was 3.57 inches, 0.27 inches *above* the long-term mean (1991-2020). This was 0.62 inches less than September 2020 and 0.08 inches greater than August 2021. September 2021 ranks as the 44th wettest on record (Table 1).

Table 1: Ohio September Precipitation Ranking

Period	Value	Average	Anomaly	Rank	Wettest/Driest Since	Record Year
September 2021	3.57"	3.30"	+0.27"	44 th Wettest	Driest since: 2020 Wettest since: 2018	0.59" (1908) 7.29" (1926)

Precipitation was quite varied across Ohio throughout
September this year. The northwest received the most between 5 to 7.5 inches, and the majority of Ohio receiving between 3 to 5 inches (Fig. 1).
Northeastern and eastern Ohio received less than average precipitation, while the western and northwestern portions received much more than normal (1991-2020) (Fig. 2).

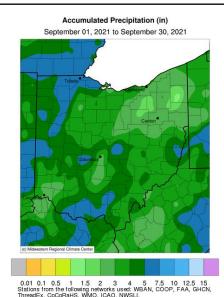


Figure 1: Accumulated
September precipitation
(inches). Courtesy of the
Midwestern Regional Climate
Center.

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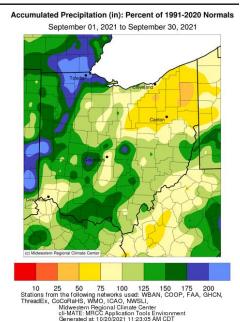


Figure 2: Percent of Normal
Accumulated Precipitation in Inches
for the Month of September. Courtesy
of the Midwestern Regional Climate
Center.

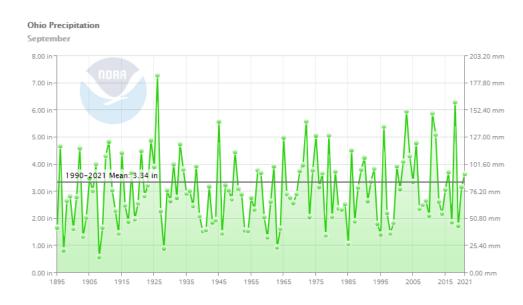
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Lucas County in northwestern Ohio received the greatest precipitation accumulation in September, with 5.94 inches of precipitation, making this the 7th wettest September for that county in the 127-year period (Fig. 3). Mahoning County in eastern Ohio received the lowest amount of precipitation this September, a stark difference from August where it received the highest amounts, with an accumulation of 1.69 inches, making it the 21st driest September for the county. Historical statewide trends for the state show that during 1895-2021, the lowest recorded precipitation during this period was 0.59 inches in 1908, with the greatest occurring in 1926 at 7.29 inches (Fig. 4).



Figure 3: Ohio County Precipitation Ranking (NCEI, NOAA)





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Temperature

The average state temperature for Ohio during the month of September was 67.0°F, which was 1.9°F *warmer* than the long-term mean (1991-2020). This was also 2.3°F warmer than September 2020 and is 7.7°F cooler than August 2021, making September 2021 the 27th warmest August in the 127-year record (Table 2).

Table 2: Ohio September Temperature Ranking

Period	Value	Average	Anomaly	Rank	Coolest/Warmest Since	Record Year
September 2021	67.0°F	65.1°F	+1.9°F	27 th Warmest	Coolest since: 2020 Warmest since: 2019	, ,

Average temperatures for the month of September were uniform across the state, staying between 65-70°F (Fig. 5). Comparing this to the long-term averages, the majority of Ohio was warmer than normal, averaging anywhere from 1-3°F warmer, with a small pocket in northern Ohio that could have reached 4° warmer. The southernmost tip of Ohio stayed at average temperatures for September this year (Fig. 6).

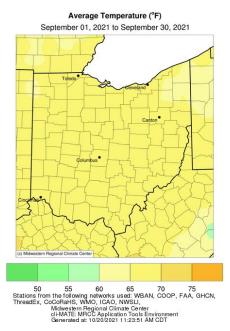


Figure 5: Average September
Temperature in °F. Courtesy of the
Midwestern Regional Climate Center.

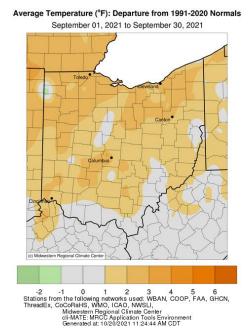


Figure 6: Departure from Normal Average September Temperature in °F. Courtesy of the Midwestern Regional Climate Center.

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Continuing the trend that began in July, Hamilton County averaged the warmest temperature for the 3rd month in a row during September, with an average temperature of 69.3°F, making it the 37th warmest September for the county. Columbiana County on the eastern border of Ohio was the coolest county, with a monthly average temperature of 64.4°F, and this was the 43rd warmest September for the county (Fig. 7). Historically, the coolest September average temperature during the period was 57.4°F in 1918 and the warmest average temperature was 69.8°F in 2019 (Fig. 8).

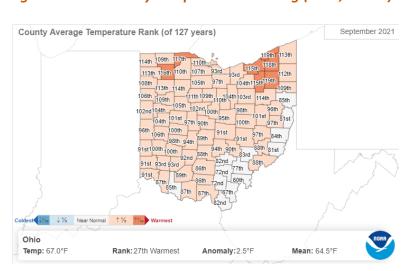
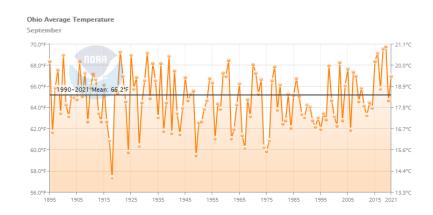


Figure 7: Ohio County Temperature Ranking (NCEI, NOAA)







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