

Decorah Weather - 2025 Calendar Year Summary

by Richard Bernatz

Weather data available online at <http://faculty.luther.edu/~bernatrzr/DecWx/>

1. 2025 TABULAR SUMMARY

The table below gives the average monthly temperature, its deviation from the historical average, and its rank over the number of years of data for the respective month. Similarly, the monthly total precipitation, its deviation from the historical average, and its rank over the number of years of data is shown as well.

| Month | Year | Ave Temp (°F) | Deviation (°F) | Rank† (#/Total) | Precip (inches) | Deviation (inches) | Rank‡ (#/Total) |
|-----------|------|------------------|-------------------|--------------------|--------------------|-----------------------|--------------------|
| January | 2025 | 19.3 | +2.9 | 44/132 | 0.06 | -0.96 | 132/132 |
| February | 2025 | 19.7 | -0.5 | 67/132 | 0.30 | -0.65 | 114/131 |
| March | 2025 | 43.0 | +10.0 | 3/133 | 3.08 | +1.16 | 14/133 |
| April | 2025 | 49.3 | +2.0 | 26/132 | 5.90 | +2.76 | 12/132 |
| May | 2025 | 59.7 | +0.7 | 55/130 | 2.46 | -1.79 | 107/130 |
| June | 2025 | 72.9 | +4.6 | 8/131 | 6.26 | +1.47 | 34/131 |
| July | 2025 | 75.2 | +2.6 | 26/131 | 5.21 | +1.13 | 35/132 |
| August | 2025 | 71.4 | +1.0 | 41/133 | 13.61 | +9.50 | 2/133 |
| September | 2025 | 67.1 | +4.8 | 10/132 | 2.27 | -1.39 | 86/132 |
| October | 2025 | 56.0 | +5.6 | 9/132 | 2.31 | -0.51 | 78/131 |
| November | 2025 | 39.5 | +4.2 | 23/132 | 1.34 | -0.50 | 84/133 |
| December | 2025 | 21.8 | -0.2 | 70/133 | 0.73 | -0.48 | 91/133 |

Table 1: A summary of the last twelve months. †- The smaller the number (#), the warmer the month.
‡- The smaller the number (#), the wetter the month. Boxed entries are within the historical top or bottom ten.

2. 2025 TEMPERATURES

- There are 126 years of nearly complete annual temperature data for Decorah.
- **The year of 2025 is the ninth warmest calendar year on record.**
 - The average temperature for 2025 was 49.74° F, 3.18° F warmer than the annual average of 46.56° F.
 - The warmest year was 2024 with an average temperature of 52.48° F, 5.92° F warmer than average.
 - The coldest year is 1917 with an average temperature of 41.00° F, 5.53° F colder than average.
- Ten of the 2025 months were warmer than average.
- March is the third warmest March on record with a deviation from the mean of +10.1° F.
- June is the 8th warmest June on record with a deviation from the mean temperature of +4.6° F.
- September is the 10th warmest September on record with a deviation from the mean temperature of +4.8° F.
- October is the 9th warmest October on record with a deviation from the mean temperature of 5.6° F.

- The warmest recorded 2025 temperature is 94° F on the 22nd of June.
- The warmest all-time recorded temperature is 111° F on the 14th of July in 1936.
- 2025 recorded no days with a maximum temperature of 95° F or higher. The historical average is 4 or 5 days. The most in a single year is 14 recorded in 1901.
- The coldest 2025 recorded temperature is -20° F on the 18th of February.
- The coldest all-time recorded temperature is -43° F on the 30th of January in 1951.
- The winter months of 2023-2025 had just one day with a minimum temperature of -20° F or less. The typical number is 3 occurrences.
- The winter months of 1936-1937 had 14 days with a recorded temperature of -20° F or less, the most on record.

3. **2025 PRECIPITATION**

- There are 128 years of nearly complete annual precipitation data for Decorah.
- Precipitation for 2025 totaled 43.03 inches, 9.60 inches more than the average amount of 33.42 inches, making 2025 the 11th wettest year of the 128 years of precipitation data.
- The year of 2016 is the wettest on record with a total 57.58 inches, 24.23 inches above average.
- The year of 1910 is the driest on record with 18.51 inches, 14.83 inches below average.
- Monthly precipitation totals for 2025 resulted in five months with above average precipitation and seven months with below average precipitation.
- January is the driest January on record with 0.06 inches of precipitation, 0.96 inches than average.
- August is the second wettest August with 13.61 inches of precipitation, 9.50 inches more than average.
- There were 112 days in 2025 with measurable precipitation, resulting in an average of 0.38 inches per precipitation day.
- The average number of days per year with measurable precipitation is 100.3, with an amount average of 0.33 inches per precipitation day.
- The year with the largest number of precipitation days is 1993 with 203.
- The year with the fewest precipitation days is 1910 with 50.

4. **2025 NARRATIVE SUMMARY**

The past year in Decorah was characterized by consistent warmth and significant moisture, though the distribution of precipitation was highly erratic. The monthly data reveals that for nearly the entire year, temperatures remained above historical norms. Notably, March saw a staggering 10.0°F deviation from the average, while August experienced a massive rainfall surplus. While seven months actually recorded below-average precipitation, the extreme intensity of the wet months was enough to secure 2025 a high ranking in the historical record.

Temperature: Persistent Warmth

The year 2025 solidified its place in the record books as the ninth warmest calendar year in Decorah's 126-year history. With an annual average temperature of 49.74°F, the year was 3.18°F warmer than the long-term historical average. With the year of 2025 as the ninth warmest year on record, five of the last ten years rank within the top ten warmest years over the 126-year Decorah weather history.

Record-Breaking Months: Ten out of twelve months were warmer than average. March was particularly anomalous, ranking as the 3rd warmest ever, while June, September, and October all secured spots within the top ten warmest for their respective months.

Extreme Ranges: The mercury hit a yearly high of 94°F on June 22nd. Conversely, the coldest moment occurred on February 18th, when temperatures plummeted to -20°F.

Historical Context: Despite the warmth, 2025 was notably milder in its extreme heat compared to history; it recorded no days at or above 95°F, whereas the record from 1901 saw 14 such days.

Precipitation: A Year of Extremes

In terms of moisture, 2025 was the 11th wettest year on record, with a total of 43.03 inches of precipitation. This was 9.60 inches above the average, driven largely by a few extraordinarily wet periods.

Dry Start, Drenched Summer: The year began with the driest January on record, yielding a mere 0.06 inches of moisture. This stood in stark contrast to August, which became the second wettest August in Decorah's 128-year history, recording a total of 13.61 inches — nearly 10 inches above the monthly average.

Rainfall Frequency: There were 112 days with measurable precipitation throughout the year, twelve more than average. On average, these rain-days produced 0.38 inches of moisture, slightly higher than the typical daily average of 0.33 inches per rain-day.