

# Decorah Weather - October 2024 Summary

by Richard Bernatz

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

## 1. OCTOBER 2024 TEMPERATURES

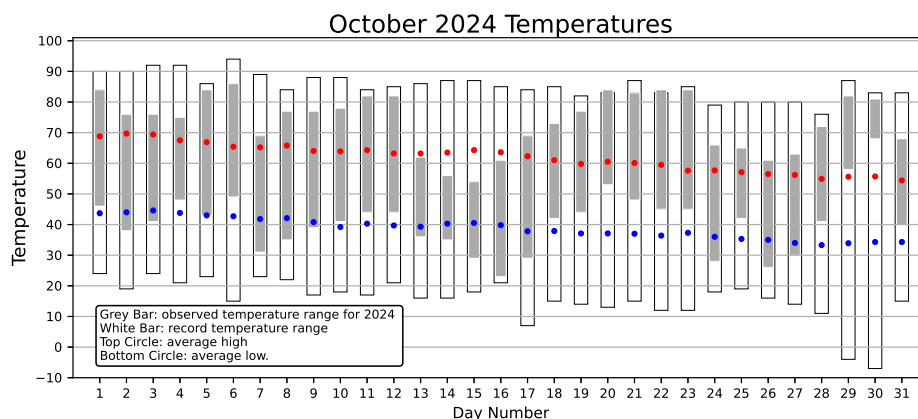


Figure 1: **Grey Bar:** Observed temperature range for 2024, **White Bar:** Record temperature range, **Average temperature range:** Red circle for average high, blue circle for average low.

Temperature ( ° F )	October 2024	Historical	Deviation
Average High	73.9	61.9	+12.0
Average Low	40.7	38.8	+1.9
Daily Average	57.3	50.4	+6.9

Table 1: October 2024 Temperatures compared with October History.

- **OCTOBER 2024**
  - Average temperature : 57.3° F (6.9° F warmer than average)
  - Record Temperatures: Maximum of 84° F on October 20 (previous of 83° F in 1974), maximum of 84° F on October 22 (previous of 83° F in 1947), maximum minimum of 58° F on October 29 (tied with 1989), maximum minimum of 68° F on October 30 (previous of 57° F in 1974)
  - Above average maximum temperatures were recorded on 27 days.
  - Warmest temperature : 86° F on the 6th.
  - Coldest temperature : 23° F on the 16th.
  - Heating degree days : 260.0 (197.7 less than average).
- **ALL OCTOBERS SINCE 1893** (131 years, data for 1926 are missing)
  - Compared with October 2024, 3 were warmer and 127 were cooler
  - Warmest average : 60.2° F in 1963
  - Coldest average : 37.8° F in 1925
  - Warmest temperature : 94° F on the 6th of 1963
  - Coldest temperature : -7° F on the 30th of 1925

## 2. OCTOBER 2024 PRECIPITATION

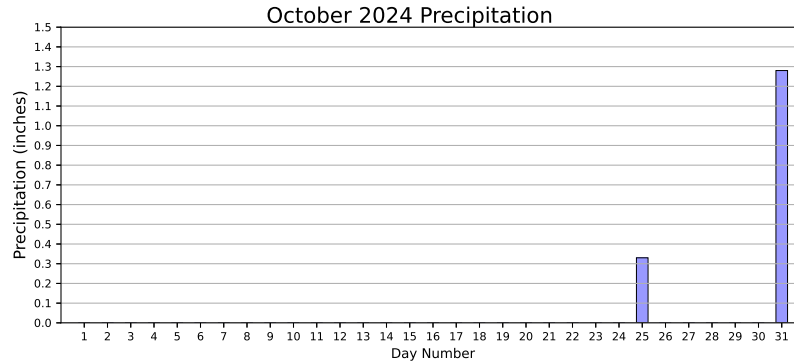


Figure 2: October precipitation for Decorah.

- OCTOBER 2024
  - Total precipitation for October 2024 : 1.61 inches (average is 2.32)
  - Precipitation deficit of 0.71 inches
  - Maximum 24-hour total: 1.28 inches on the 31th.
  - Two days with measurable precipitation. The average for October is between 7 and 8 days.
- ALL OCTOBERS SINCE 1893 (131 years, data for 1898 are missing)
  - Compared with October 2024, 88 Octobers were wetter, one was the same, and 41 were drier
  - Wettest October : 5.92 inches in 2017
  - Driest October : 0.00 inches in 1895

## 3. TWELVE-MONTH SUMMARY

Month	Year	Ave Temp (°F)	Deviation (°F)	Rank† (#/Total)	Precip (inches)	Deviation (inches)	Rank‡ (#/Total)
November	2023	40.0	+4.7	19/131	0.18	-1.65	128/131
December	2023	36.0	+14.1	1/131	1.07	-0.14	71/131
January	2024	24.0	+7.6	14/131	1.56	+0.51	24/131
February	2024	38.1	+17.9	1/131	0.37	-0.59	107/130
March	2024	42.4	+9.5	3/132	2.18	+0.28	49/132
April	2024	50.5	+3.1	26/131	3.97	+0.85	31/131
May	2024	62.7	+3.8	20/129	9.11	+4.85	6/129
June	2024	71.9	+3.6	18/130	7.38	+2.60	22/130
July	2024	73.8	+1.2	45/130	3.13	-0.94	79/131
August	2024	73.8	+3.4	108/132	1.87	-2.16	108/132
September	2024	67.5	+5.2	9/131	0.39	-3.29	130/131
October	2024	57.3	+6.9	4/131	1.61	-0.71	89/131

Table 2: 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.

- October of 2024 is the 15th consecutive month with an above average temperature.
- Seven of the last twelve months were drier than average, 4 of the last 6 were drier than average.
- Precipitation deviations (in inches). last three months : -6.17, last six months : +0.34, last nine months: +0.88, last twelve months: -0.38