



## October 2024

October 2024 was warmer in Germany but less sunny than the long-term monthly averages. In terms of precipitation, the month was fairly balanced on average for Germany. However, there were strong regional differences. While in regions of Saxony, Saxony-Anhalt and Brandenburg the total precipitation for the month remained below 25 mm, in the southwest, in the low mountain ranges and in the Alps it reached values of over 75 mm. The first week of October was already quite cool. Then the current turned to the west and rainy and milder weather reached Germany. After the passage of former hurricane Kirk, high pressure soon set in over Germany. However, this weather situation is often associated with high fog in autumn. In many places the significantly weaker sun was no longer able to clear the fog cover. On the edge of the Alps, with the help of the foehn, another summer day could be observed (Kiefersfelden-Gach on October 17, 24 maximum temperature 25.6 °C). In the north, more sunshine was generally observed compared to the long-term average. In the south, the target was not reached with less than 50 hours of sunshine. As of October 2024, 25 months in a row with a positive temperature anomaly compared to the respective monthly averages from 1961 to 1990 have now been observed.

The regional average temperature for Germany was 11 °C. Compared to the long-term average of the climate normal period 1991-2020, the month was 1.7 K warmer, and 2 K warmer than the international climatological reference period 1961-1990. This makes October 2024 the 12th warmest October since 1881 and one of the very warm October months.

The average monthly rainfall in Germany was 59.8 mm. This is 3.5 mm or 5.5% less than the average for the period 1991-2020 and 4 mm or 7.2% more than in the reference period 1961-1990. October 2024 was thus the 68th wettest since 1881, placing it in the middle.

The regional average sunshine duration was 97.5 hours. That is 10.5 hours or 9.8% less than in the comparable period 1991-2020 and 11 hours or 10.2% less than the average for the years 1961-1990. This puts October 2024 in 27th place among the sunniest October months since 1951.

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The German Weather Service is a federal authority within the portfolio of the Federal Ministry for Digital Affairs and Transport.

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