



Monthly and seasonal report GermanyEN

Summer 2024

Both the summer of 2024 and the three summer months of June, July and August were warmer than the long-term average. The warmest summer month was August with 19.9 °C. But the average temperature in July was also above 18 °C. Moderate temperatures at the start of June and July gave the impression of a rather cool summer at times. Germany was also spared from long, intense heat waves this year. Nevertheless, the summer repeatedly showed temperatures above 30 degrees, deviations from the reference period 1961-1990 were often above 2 K, and in August in the south even sometimes above 4 K, so that the summer of 2024 was still significantly warmer. However, the very changeable weather with many showers and thunderstorms, which occurred especially in the south of Germany at the beginning of June, but also in July and August, left a different impression, as the summer of 2024, despite high temperatures, was not accompanied by very dry conditions compared to many previous years. Both June and July had a slight excess of precipitation on average across Germany. These rather humid and warm conditions provided the necessary conditions for a large number of thunderstorms, some of them heavy, which resulted in heavy rain and also flooding. These will make the summer of 2024 remembered as very changeable.

The regional average temperature for Germany was 18.5 °C. Compared to the long-term average for the reference period 1991-2020, the summer of 2024 was 0.9 K warmer and compared to the international climatological reference period 1961-1990, it was 2.2 K warmer. This makes the summer of 2024, together with 2023 and 1947, the 5th warmest since 1901 and one of the extremely warm summer months since 1881.

The average rainfall in Germany for the summer of 2024 was 239.9 mm. This is 0.6 mm or 0.3% less than the average for the period 1991-2020 and 0.5 mm or 0.2% less than in the reference period 1961-1990. The summer of 2024 was the 66th driest summer in Germany since 1881 and the 58th driest since 1901, placing it among the average summer months.

The average sunshine duration across the area was 707.6 hours. That is 53.9 hours or 8.2% more than in the comparable period 1991-2020 and 94.1 hours or 15.3% more than the average for the years 1961-1990. The summer of 2024 will be the 13th sunniest summer since 1951 and thus a sunnier summer.

Monthly, seasonal and annual assessment with analysis of climate and weather trends.

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Additional information

- Detailed description

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

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