



## April 2024

April 2024 was significantly warmer and slightly wetter in Germany compared to the long-term averages. The duration of sunshine remained slightly below target. The month started very warm and the first day of summer was observed on April 5th. As early as April 6th, the temperature at the Ohlsbach station rose above 30 °C, making it the earliest hot day observed to date. So far in 2007, the earliest occurrence of a hot day was on April 15th. From the middle of the month the temperatures fell significantly. There was widespread frost on the nights of April 22nd to 25th. Due to the mild winter and the high temperatures in the months of February and March, the vegetation was already well advanced, meaning that there was significant frost damage, especially in the vineyards. At the end of the month the temperatures rose back into the summer range. Most precipitation was observed in the northwest. The excess precipitation there is over 50%. In the east and south, 25% less fell than the long-term average (1961-1990). The sun appeared mainly in the east. In the west it was clearly too cloudy.

The area average temperature for Germany was 10.1 °C. Compared to the long-term average of the normal climate period 1991-2020, April 2024 was 1.1 K warmer, and even 2.7 K warmer compared to the international climatological reference period 1961-1990. This puts April 2024 in the time series as the 14th warmest month since records began in 1881.

The average monthly rainfall in Germany was 64.4 mm. This is 19.8 mm or 44.2% more than the average for the period 1991-2020 and 6.2 mm or 10.6% more than in the reference period 1961-1990. April 2024 was the 36th wettest April in Germany since 1881.

The area average for sunshine duration was 151.6 hours. This is 31.4 hours or 17.2% less than the comparable period 1991-2020 and 2.2 hours or 1.4% less than the average for the years 1961-1990. This puts April 2024 in the cloudy April months as the 29th least sunny month since 1951.

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

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