



Hop report

June 2024 (Saaz region)

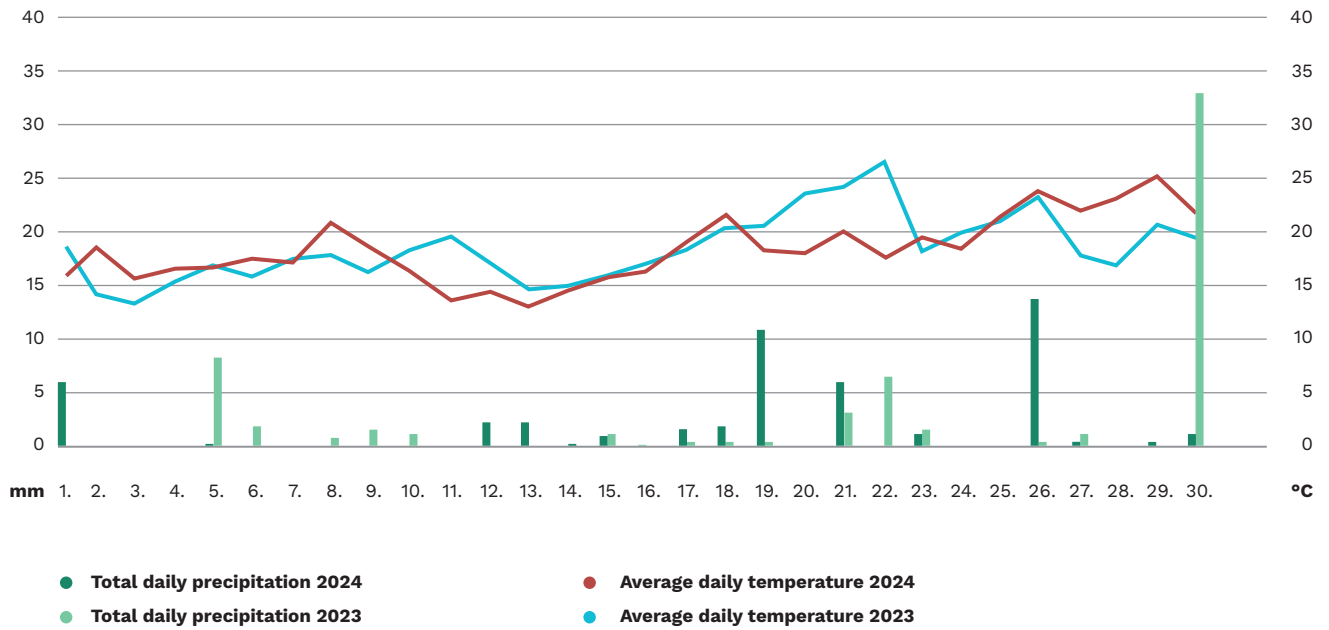
1. Climatic data in June

Monitored data	2024	2023	30 years average	Difference 24–30 y. aver.
Average temperature (°C)	18,4	18,4	17,4	1
Max. temperature (°C)	(29. 6.) 32,5	32,8		
Min. temperature (°C)	(14. 6.) 5,5	1,8		
No. of summer days ($T_{\max} \geq 25^{\circ}\text{C}$)	14	17		
No. of tropical days ($T_{\max} \geq 30^{\circ}\text{C}$)	4	4		
No. of frosty days ($T_{\min} \leq 0^{\circ}\text{C}$)	0	0		
No. of ice-cold days ($T_{\max} \leq 0^{\circ}\text{C}$)	0	0		
Monthly summary of precip. (mm)	48,6	58	65,4	-9,4
Max. daily summary of precip. (mm)	(26. 6.) 14	32,7		
Amount of precip. since Jan 1 st	235,9	154,8	200,6	35,3
No. of dry days	15	14		
Length of the sunshine	231	255,5	216,3	14,7

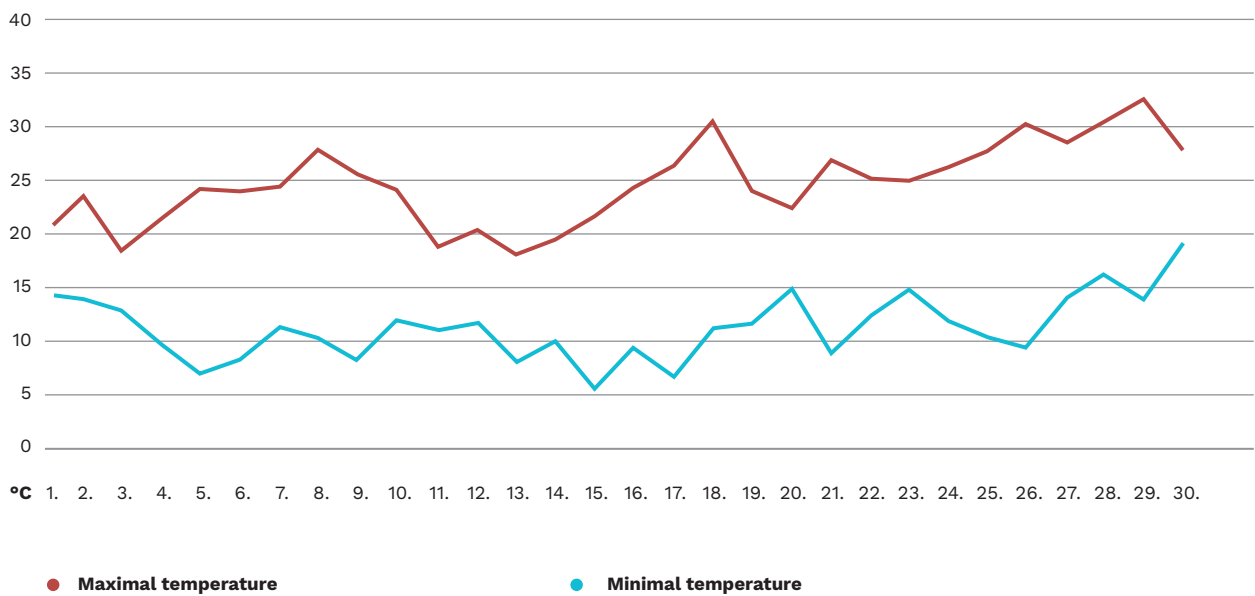
The month of June, which was influenced by tropical temperatures at the end of the month, was slightly above the long-term normal temperature by +1.0°C. In terms of precipitation, the month was in a slight deficit (-9.4 mm) compared to the long-term average, however, as far as the total amount of precipitation since the beginning of the year is concerned, Žatec (Saaz) region is almost 18% above the long-term average. In the Ústěk (Auscha) region there were recorded local strong storms with hails that caused the damage of 80% on 30 ha of the hop gardens in Radovesice. The Moravian Tršice (Terschits) region, which recorded up to 340 mm of rainfalls in some places in June (i.e. up to half of the annual rainfall in the given area), has moisture - saturated soil and these conditions do not allow to absorb further rainfall.

2. Monthly charts of precipitation and temperatures

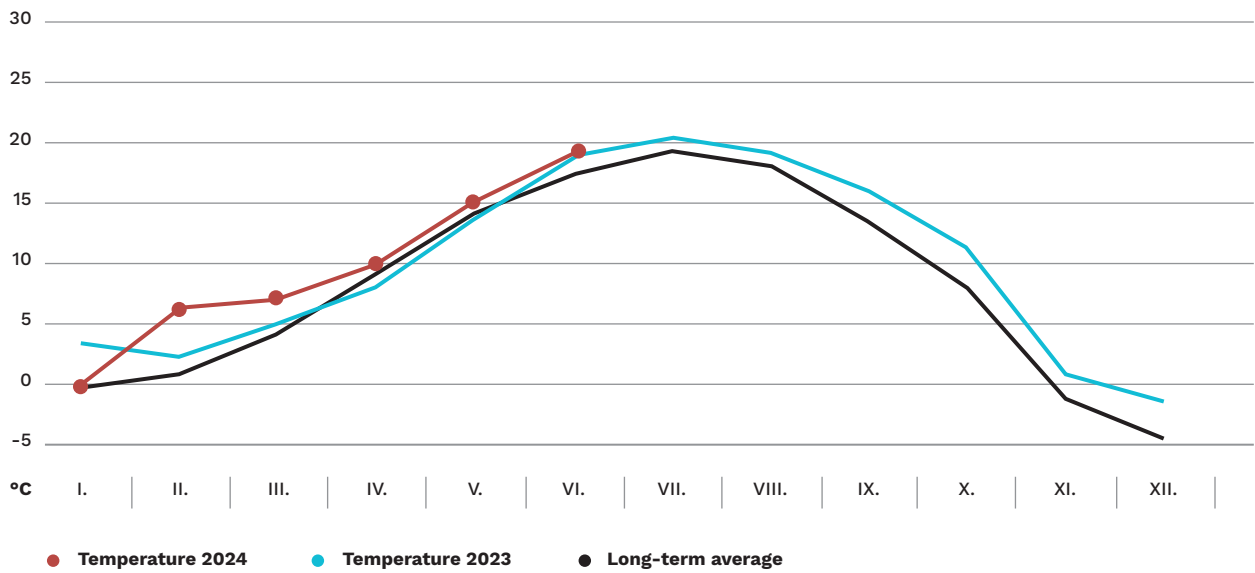
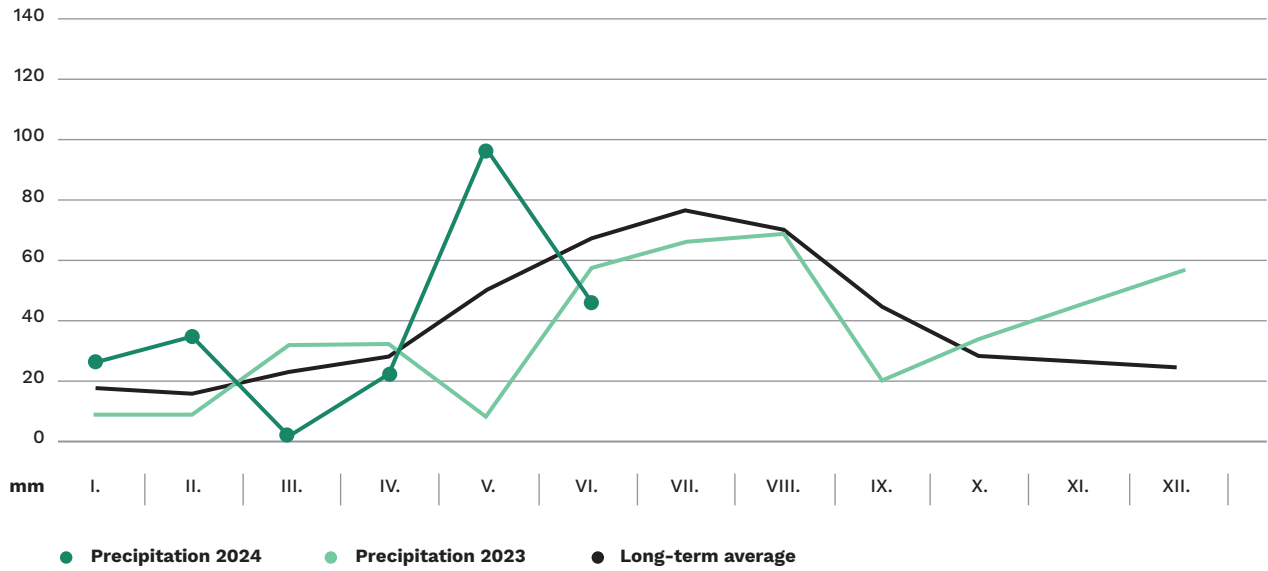
Precipitation and temperatures in June 2024 compared to 2023



Overview of maximum and minimum ground temperatures in June



3. Annual charts of precipitation and temperatures

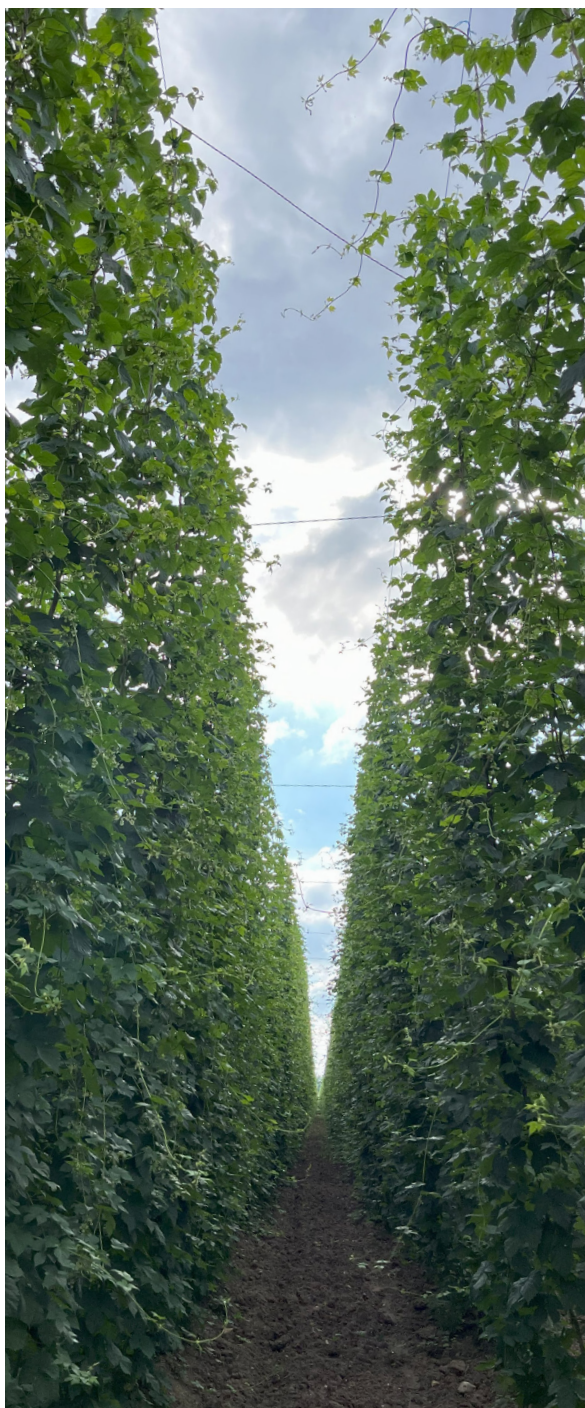


4. Assessment of the health condition and the vegetation

The generally favourable weather conditions in June kept the state of the vegetation at a good level. Some localities reached the height of the trellis and in some cases even they grew well over. The elongating growth phase of the Saaz variety is still on going on most hop gardens. On the first pruning operations of the Saaz variety, the first flowers appeared in the second decade of the month, and towards the end of the third decade, in some places, the first cones of hops also appeared (June 25). The second hilling has been completed on most farms.

The weather during June was favourable for the development of downy mildew of hops (*Pseudoperonospora humuli* Myi et Takah.). It was recommended to follow the sequence of spraying against this disease with Ortiva, Bellis and/or Revus preparations. Treatment with Cerial Flex was recommended on hop gardens showing signs of secondary infection. The temperatures in June negatively supported the occurrence of the red spider mite (*Tetranychus urticae* Koch) and in many locations the overgrowth of this pest was monitored. A strong occurrence required the application of preparations according to the valid methodology. Some growers applied Movento 100 SC already at the end of June.

5. Photodocumentation



View to the hop garden, June 30



Hail storm Radovesice, June 21



Hop plant at the end of June

5. Photodocumentation



Moravia – view to the hop garden



Moravia – view to the hop garden

Žatec, July 3, 2024, Kateřina Švecová