



Hop report

5/2023

August 2023 (Saaz region)

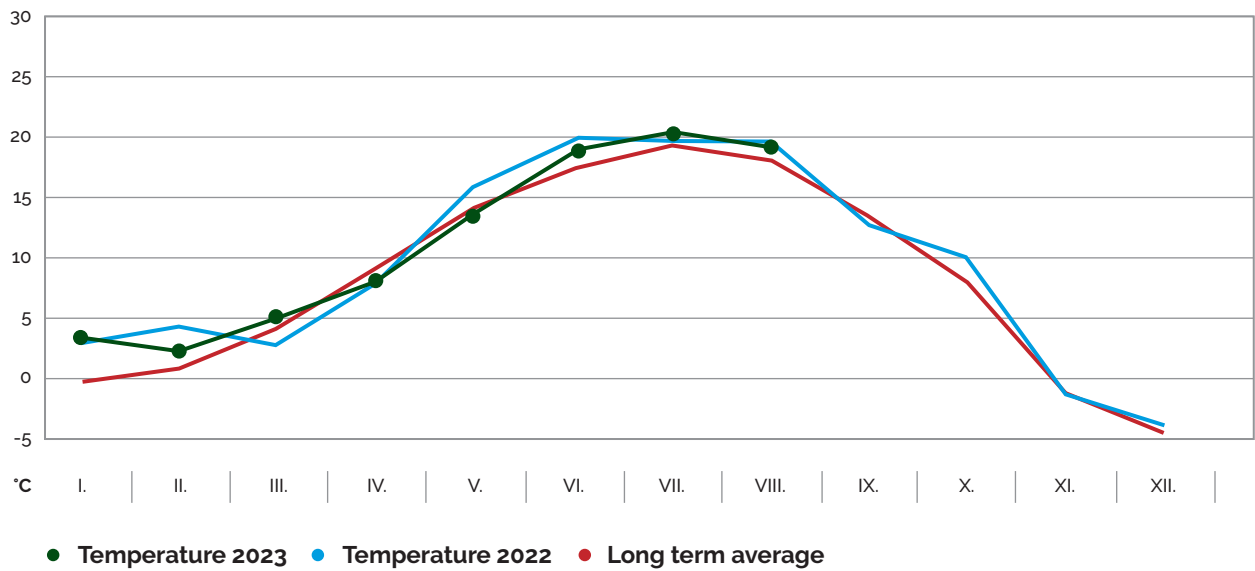
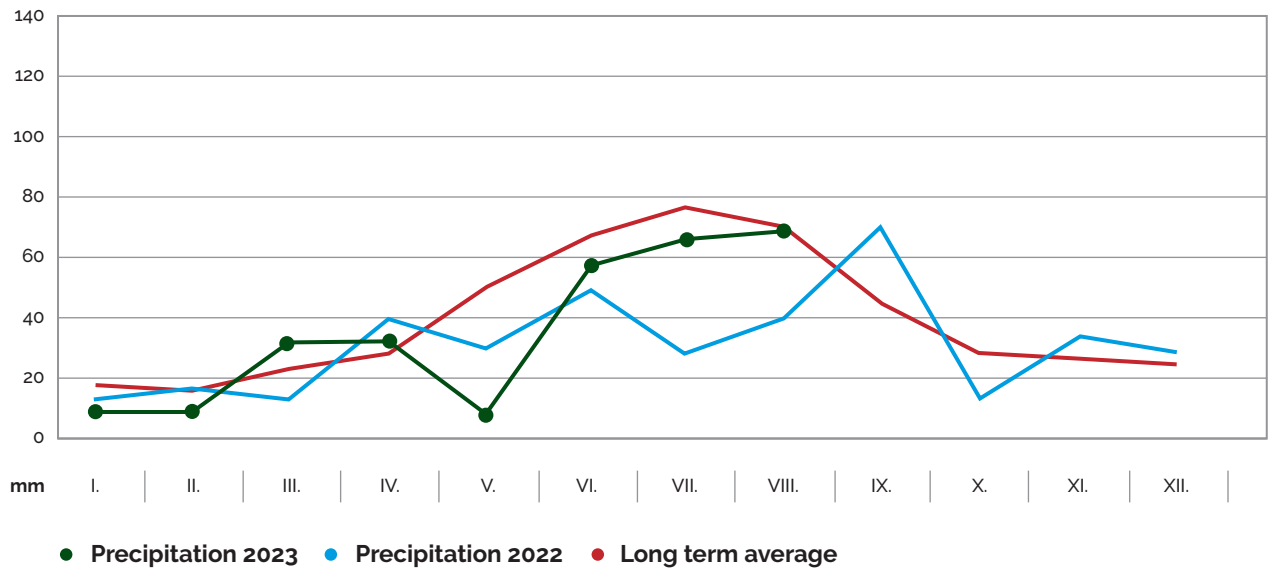
1. Weather conditions in August

Data monitoring	2023	2022	30 year aver.	Diff. 23-30 yr. av.
Average temperature (°C)	19,7	19,8	18,4	1,3
Max. temperature (°C)	33,3 (22. 8.)	34,8		
Min. temperature (°C)	7,5 (10. 8.)	6,5		
Total precipitation since 1. 1.	287,9	268,5	348,8	-60,9
Precipitation in month (mm)	66,7	40,5	71,9	-5,2
Max. precipitation (mm)	13,3 (28. 8.)	14		
Number of dry days	14	21		
Hours of sunshine	200,6	218,5	222,9	-22,3

Long-term average of the air temperatures and summary of the precipitation during the period 1991 – 2020 as measured on the Žatec meteorological station.

The rains came in the first and the third decade of August 2023. Precipitation was mostly of a stormy nature and thus they varied in different locations. In average, they reached 93,8% of the long-term normal. The average of the monthly temperature in August was 19,7°C, exceeding the long-term average by 1,3°C. The level of temperature was mainly influenced by heats monitored during the period from Aug 12 to Aug 24, 2023, when the highest daily temperatures reached the values of over 30°C and the night temperatures then were at the level of tropical nights.

Precipitation and temperature graphs



2. Growth report

The condition of hops in terms of habit has slightly improved in comparison to the last month thanks to the precipitation from the beginning of the second decade of the month. However, the beginning of the flowering was good. In majority of cases the hops also created the cones well. The harvest started in the time horizon from Aug 18 to Aug 23, 2023, depending by individual growers. According to the assessment of the state of the hops, we expect a slightly above-average harvest. The first laboratory results of the alpha acid content of the Saaz semi-early red-bine hops variety unfortunately show significantly below average values, 2.5% on average. For hybrid varieties we do not yet have enough data, but based on the state of the stands we conclude that the decrease in content of alpha bitter substances should not be as great as with the Saaz semi-early red-bine hops variety.

3. Health state of hops

The health condition of hops was relatively good also in August. To keep a good state of hops view to the occurrence of red spider mites (*Tetranychus urticae* Koch) and downy mildew of hops (*Pseudoperonospora humuli* Miy et Takah.) appeared the most serious problem.

4. Current areas of hop gardens

The ÚKZÚZ – Central Institute for Supervising and Testing in Agriculture in Saaz specified the hop gardens acreage to be harvested in 2023. Current structure of individual varieties is shown by the table.

The area of hop gardens to be harvested up to 20. 8. 2023

Variety	Saaz	Auscha	Terschitz	Czech Rep..
Saaz hops	3 170,4	387,9	489	4 047,3
Agnus	65,4	11,1	1,5	78
Blues	0,6	0	0	0,6
Bohemie	0,4	0	1,9	2,3
Boomerang	0,3	0	0	0,3
Country	0,8	0	0	0,8
Gaia	0,3	0	0	0,3
Hallertauer Magnum	2,7	0	0	2,7
Harmonie	6,8	0	0	6,8
Kazbek	13,6	4,8	3,9	22,2
Most	1	0	0	1
Perle	1,4	0	0	1,4
Premiant	122,5	35,4	39	196,9
Rubin	1	0	0	1
Saaz Brilliant	0,7	0	0	0,7
Saaz Comfort	0,4	0	0	0,4
Saaz Late	30,3	0	1,7	32,1
Saaz Shine	0,8	0	0	0,8
Saaz Special	41,2	0	0	41,2
Sládek	270,7	60,2	79,2	410,2
Vital	3,1	0,8	0	3,9
Others	9	0	0	9
Total	3 743,5	500,1	616,3	4 859,9

Žatec, September 4, 2023, Ing. Jaroslav Hájek, Kateřina Švecová