



## Climate normals Luzern

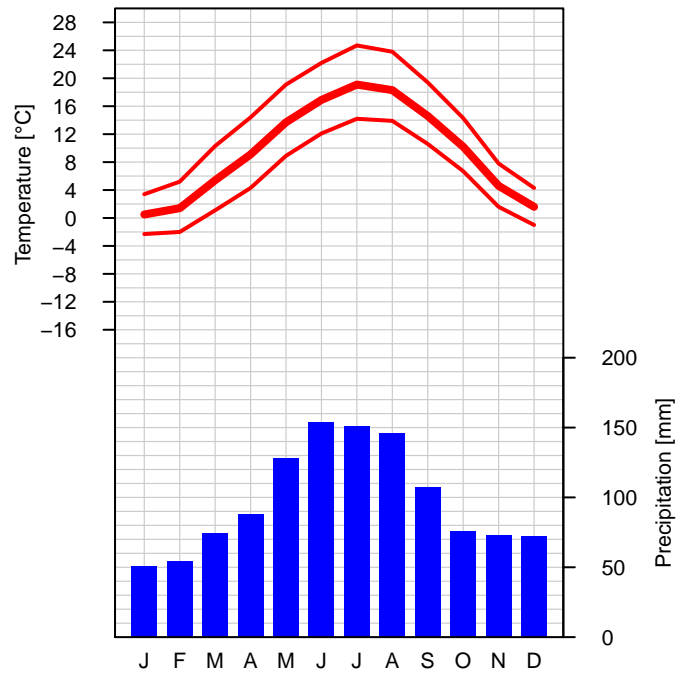
Reference period 1981–2010

**Altitude a.s.l.:** 454 m

**Geogr. coord.:** 47.04 N / 8.3 E

**Swiss coord.:** 665540 / 209848

**Climate region:** Central plateau



	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	Period
<b>Temperature [°C]</b>	0.5	1.4	5.4	9.1	13.7	16.9	19.1	18.3	14.6	10.2	4.6	1.6	9.6	1981–2010
<b>Maximum temp [°C]</b>	3.4	5.2	10.3	14.4	19.1	22.2	24.7	23.8	19.4	14.3	7.8	4.3	14.1	1981–2010
<b>Minimum temp [°C]</b>	-2.3	-2.0	1.1	4.3	8.9	12.1	14.2	13.9	10.6	6.7	1.6	-1.0	5.7	1981–2010
<b>Ice days [days]</b>	7.7	4.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	4.8	18.8	1981–2010
<b>Frost days [days]</b>	22.6	19.9	11.6	2.0	0.0	0.0	0.0	0.0	0.0	0.7	8.3	18.7	83.8	1981–2010
<b>Summer days [days]</b>	0.0	0.0	0.0	0.3	3.6	9.7	15.8	12.9	2.6	0.1	0.0	0.0	45.0	1981–2010
<b>Heat days [days]</b>	0.0	0.0	0.0	0.0	0.2	1.5	3.2	1.7	0.0	0.0	0.0	0.0	6.6	1981–2010
<b>Relative humidity [%]</b>	83	79	73	70	72	72	72	75	80	83	84	84	77	1981–2010
<b>Precipitation [mm]</b>	51	54	74	88	128	154	151	146	107	76	73	72	1173	1981–2010
<b>Precipitation [days]</b>	9.3	8.7	11.8	11.8	12.9	13.5	12.5	12.5	10.2	9.4	9.6	10.0	132.2	1981–2010
<b>Snowfall [cm]</b>	16.0	20.2	8.3	1.2	0.0	0.0	0.0	0.0	0.0	0.4	5.3	14.6	66.0	1981–2010
<b>Snowfall [days]</b>	3.8	4.4	1.9	0.6	0.0	0.0	0.0	0.0	0.0	0.0	1.1	3.6	15.4	1981–2010
<b>Snow cover [days]</b>	11.1	11.2	4.6	0.6	0.0	0.0	0.0	0.0	0.0	0.1	2.4	7.9	37.9	1981–2010
<b>Sunshine [h]</b>	47	72	122	141	161	171	201	187	137	97	52	36	1423	1981–2010
<b>Sunshine [%]</b>	21	28	36	36	37	38	45	45	39	32	22	17	35	1981–2010
<b>Bright days [days]</b>	2.9	3.9	5.0	5.4	5.1	4.7	6.4	6.4	5.4	4.3	2.7	1.9	54.1	1981–2010
<b>Cloudy days [days]</b>	20.9	16.2	13.3	12.5	13.0	11.8	9.4	9.5	11.9	15.0	19.3	22.4	175.2	1981–2010



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### Legend:

<b>Climate graph:</b>	Graph showing long-term means of monthly mean temperature, mean monthly maximum and minimum temperature as well as monthly precipitation sums of a certain measuring site.
<b>Table:</b>	Long-term means of monthly mean values and monthly sums of different climatological parameters. Missing values (no measurements or measuring period shorter than 10 years) are labeled as "-".
Temperature [°C]	monthly mean temperature
Maximum temp [°C]	monthly mean of daily maximum temperature
Minimum temp [°C]	monthly mean of daily minimum temperature
Ice days [days]	number of days with maximum temperature below 0° Celsius
Frost days [days]	number of days with minimum temperature below 0° Celsius
Summer days [days]	number of days with maximum temperature equal to or above 25° Celsius
Heat days [days]	number of days with maximum temperature equal to or above 30° Celsius
<i>Relative humidity [%]</i>	monthly mean of relative humidity
Precipitation [mm]	monthly precipitation sum
Precipitation [days]	number of days with precipitation equal to or above 1 mm
<i>Snowfall [cm]</i>	monthly snowfall sum
<i>Snowfall [days]</i>	number of days with snowfall equal to or above 1 cm
<i>Snow cover [days]</i>	number of days with snow cover equal to or above 1 cm
Sunshine [h]	measured sunshine duration
Sunshine [%]	ratio of measured sunshine duration to possible sunshine duration
<i>Bright days [days]</i>	number of days with sunshine duration greater than 80%
<i>Cloudy days [days]</i>	number of days with sunshine duration less than 20%
Period:	First and last year of analysed period. Possible gaps in the data series are not separately mentioned.

Homogeneous data series were used to calculate long-term means except for parameters shown in italics. The values can change due to continuous quality control and homogeneity updates. Further information on the Swiss climate and on the homogenization topic can be found on [www.meteoswiss.ch](http://www.meteoswiss.ch).