

Summary of Monthly Normals
1991-2020

Current Location: Elev: 4904 ft. Lat: 46.2311° N Lon: 112.1139° W
Station: BOULDER, MT US USC00241008
Generated on 05/20/2024

Temperature (°F)																						
Mean							Cooling Degree Days						Heating Degree Days				Mean Number of Days					
							Base (above)						Base (above)									
Month	Daily Max	Daily Min	Mean	Long Term Max Std Dev	Long Term Min Std Dev	Long Term Avg Std Dev	55	57	60	65	70	72	55	57	60	65	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
01	35.0	11.9	23.5	4.1	5.1	4.5	0.0	0.0	0.0	0.0	0.0	0.0	978.1	1040.1	1133.1	1288.1	0.0	0.0	2.2	9.9	30.1	6.6
02	37.8	14.0	25.9	6.2	6.1	6.0	0.0	0.0	0.0	0.0	0.0	0.0	814.7	870.7	954.7	1094.7	0.0	0.0	4.3	6.7	26.9	4.4
03	46.8	20.8	33.8	5.0	4.3	4.4	0.0	0.0	0.0	0.0	0.0	0.0	657.3	719.3	812.3	967.3	0.0	0.0	14.1	2.5	28.1	1.3
04	54.5	27.0	40.7	3.5	2.5	2.7	2.3	1.0	0.2	0.0	0.0	0.0	429.7	488.5	577.6	727.5	0.0	0.0	20.8	0.6	23.0	0.1
05	63.6	35.3	49.4	3.8	2.0	2.7	34.2	20.2	7.2	0.4	0.0	0.0	206.3	254.3	334.3	482.5	0.0	0.0	28.6	0.0	9.8	0.0
06	72.0	42.5	57.2	3.6	1.5	2.4	121.4	87.1	47.8	12.0	1.3	0.2	53.9	79.6	130.3	244.6	0.0	0.7	29.6	0.0	1.7	0.0
07	82.5	48.3	65.4	4.8	2.6	3.5	327.8	270.6	190.1	80.0	19.6	9.0	5.6	10.3	22.9	67.7	0.1	6.2	31.0	0.0	0.1	0.0
08	82.0	46.2	64.1	3.3	1.9	2.3	292.4	236.3	158.2	57.0	10.3	3.9	10.4	16.3	31.2	84.9	0.0	4.3	30.9	0.0	0.7	0.0
09	71.9	38.1	55.0	3.4	2.0	2.2	96.3	66.9	34.1	7.3	0.9	0.4	96.4	127.0	184.2	307.4	0.0	0.8	29.2	0.0	6.4	0.0
10	57.4	27.7	42.6	3.6	3.1	3.0	8.7	4.7	1.6	0.2	0.0	0.0	394.6	452.6	542.5	696.1	0.0	0.0	24.2	0.9	20.8	0.2
11	42.4	18.6	30.5	4.7	4.3	4.3	0.2	0.1	0.0	0.0	0.0	0.0	735.1	795.0	885.0	1035.0	0.0	0.0	8.8	5.1	27.1	2.9
12	33.6	11.5	22.5	3.5	4.1	3.7	0.0	0.0	0.0	0.0	0.0	0.0	1005.7	1067.7	1160.7	1315.8	0.0	0.0	1.2	11.4	30.0	5.7
Summary	56.6	28.5	42.6	4.1	3.3	3.5	883	687	439	157	32	14	5388	5921	6769	8312	0.1	12.0	224.9	37.1	204.7	21.2

Empty or blank cells indicate data is missing or insufficient occurrences to compute value

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Precipitation (in.)								
	Totals	Mean Number of Days				Precipitation Probabilities Probability that precipitation will be equal to or less than the indicated amount		
	Means	Daily Precipitation				Monthly Precipitation vs. Probability Levels		
Month	Mean	>= 0.01	>= 0.10	>= 0.50	>= 1.00	0.25	0.50	0.75
01	0.28	5.4	0.7	0.0	0.0	0.15	0.23	0.34
02	0.19	5.0	1.0	0.0	0.0	0.08	0.15	0.23
03	0.40	6.1	1.2	0.0	0.0	0.18	0.32	0.53
04	0.78	7.4	2.4	0.1	0.0	0.48	0.59	1.05
05	1.86	11.9	5.0	0.6	0.0	1.41	1.84	2.29
06	2.30	11.6	6.4	0.9	0.2	1.43	2.08	3.02
07	1.38	8.4	4.6	0.6	0.1	0.77	1.30	1.77
08	1.12	7.0	3.5	0.4	0.1	0.52	0.80	1.54
09	1.10	6.6	2.8	0.6	0.0	0.51	0.99	1.35
10	0.64	7.1	2.3	0.2	0.0	0.26	0.49	0.95
11	0.48	5.9	1.9	0.1	0.0	0.25	0.37	0.68
12	0.27	6.3	0.8	0.0	0.0	0.17	0.26	0.35
Summary	10.80	88.7	32.6	3.5	0.4	6.21	9.42	14.10

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Growing Degree Units (Monthly)												
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Growing Degree Units (Monthly)												
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	2.3	6.2	34.9	103.3	304.9	517.8	786.5	746.9	454.6	158.4	24.4	2.4
45	0.2	1.1	8.4	40.9	181.4	369.9	632.1	593.0	315.5	77.4	6.2	0.1
50	0.0	0.0	0.8	12.7	89.7	232.0	477.7	440.1	192.6	30.5	0.9	0.0
55	0.0	0.0	0.0	2.3	34.2	121.4	327.8	292.4	96.3	8.7	0.2	0.0
60	0.0	0.0	0.0	0.2	7.2	47.8	190.1	158.2	34.1	1.6	0.0	0.0
Growing Degree Units for Corn (Monthly)												
50/86	2.0	7.8	43.1	102.0	218.5	332.1	504.0	493.4	331.8	146.0	27.0	1.6

Growing Degree Units (Accumulated Monthly)												
40	2	8	43	147	452	969	1756	2503	2957	3116	3140	3143
45	0	1	10	51	232	602	1234	1827	2142	2220	2226	2226
50	0	0	1	14	103	335	813	1253	1446	1476	1477	1477
55	0	0	0	2	36	158	486	778	874	883	883	883
60	0	0	0	0	7	55	245	404	438	439	439	439
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	2	10	53	155	373	706	1210	1703	2035	2181	2208	2209

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86.

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