

Summary of Monthly Normals
1991-2020

Current Location: Elev: 2770 ft. Lat: 45.8161° N Lon: 106.2328° W
Station: **BRANDENBERG, MT US USC00241084**
Generated on 05/02/2024

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	35.2	10.7	22.9	5.4	5.7	5.5	0.0	0.0	0.0	0.0	0.0	0.0	993.5	1055.5	1148.5	1303.5	0.0	0.0	4.3	10.4	30.1	7.1
02	38.8	13.9	26.3	7.8	7.9	7.8	0.0	0.0	0.0	0.0	0.0	0.0	802.0	858.0	942.0	1082.1	0.0	0.0	6.3	8.0	26.8	5.2
03	50.2	22.6	36.4	6.7	4.7	5.5	1.6	0.8	0.1	0.0	0.0	0.0	578.3	639.5	731.8	886.7	0.0	0.0	17.5	3.5	26.1	1.6
04	60.0	31.3	45.6	3.6	2.8	3.0	16.2	9.6	3.4	0.3	0.0	0.0	296.7	350.0	433.9	580.8	0.0	0.0	24.6	0.5	15.8	0.1
05	69.5	40.7	55.1	4.1	1.8	2.5	102.1	73.2	40.3	10.3	1.7	0.5	99.0	132.2	192.3	317.2	0.0	0.6	29.8	0.0	5.4	0.0
06	79.3	49.4	64.4	3.9	2.1	2.7	289.7	236.3	164.3	71.7	22.8	13.0	9.2	15.9	33.8	91.2	0.3	4.6	29.9	0.0	0.1	0.0
07	89.8	55.1	72.4	4.8	2.8	3.6	540.8	479.1	387.6	243.4	122.9	85.8	0.1	0.4	1.8	12.6	4.1	17.3	31.0	0.0	0.0	0.0
08	89.1	52.6	70.8	3.4	2.3	2.5	492.9	432.5	344.2	208.4	97.6	64.2	1.8	3.4	8.0	27.2	3.1	16.8	31.0	0.0	0.1	0.0
09	77.2	43.5	60.3	3.6	3.0	2.8	200.6	159.0	106.2	45.1	13.8	7.5	40.2	58.6	95.8	184.7	0.5	4.9	29.4	0.0	2.0	0.0
10	61.0	32.4	46.7	4.8	2.7	3.5	28.4	18.7	9.5	2.5	0.4	0.2	285.7	337.9	421.7	569.7	0.0	0.4	25.7	0.8	15.0	0.1
11	46.5	21.2	33.9	6.0	4.0	4.8	1.0	0.5	0.0	0.0	0.0	0.0	635.5	695.0	784.5	934.5	0.0	0.0	13.1	4.1	26.5	1.8
12	36.0	12.5	24.2	6.1	5.6	5.7	0.0	0.0	0.0	0.0	0.0	0.0	953.0	1015.0	1108.0	1263.0	0.0	0.0	4.2	10.1	30.2	5.1
Summary	61.1	32.2	46.6	5.0	3.8	4.2	1673	1410	1056	582	259	171	4695	5161	5902	7253	8.0	44.6	246.8	37.4	178.1	21.0

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	0.55	7.3	2.2	0.1	0.0	0.27	0.50	0.71
02	0.61	6.9	2.0	0.1	0.0	0.37	0.57	0.76
03	0.91	7.4	2.6	0.3	0.1	0.34	0.79	1.23
04	1.71	9.0	4.5	1.0	0.2	0.94	1.43	2.31
05	3.12	11.0	6.6	2.1	0.5	1.32	2.43	4.75
06	2.55	10.0	5.9	1.5	0.3	1.94	2.55	3.21
07	1.44	7.1	3.1	0.7	0.2	0.58	1.05	1.78
08	0.91	5.4	2.5	0.4	0.0	0.41	0.55	1.55
09	1.21	6.1	3.2	0.6	0.2	0.56	0.91	1.55
10	1.37	7.1	3.6	0.8	0.0	0.76	1.24	1.77
11	0.54	6.1	1.9	0.0	0.0	0.28	0.51	0.75
12	0.55	6.3	1.5	0.0	0.0	0.31	0.47	0.72
Summary	15.47	89.7	39.6	7.6	1.5	8.08	13.00	21.09

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Snow (in.)													
	Totals	Mean Number of Days									Snow Probabilities Probability that snow will be equal to or less than the indicated amount		
	Means	Snowfall >= Thresholds					Snow Depth >= Thresholds				Monthly Snow vs. Probability Levels Values derived from the incomplete gamma distribution.		
Month	Snowfall Mean	0.01	1.0	3.0	5.00	10.00	1	3	5	10	.25	.50	.75
01	7.50	6.2	3.2	0.7	0.1	0.0	22.0	14.8	9.5	1.7	3.70	6.30	11.20
02	8.00	5.8	3.1	0.8	0.3	0.0	15.8	10.3	5.6	1.6	4.30	7.30	11.10
03	6.90	3.8	2.4	0.8	0.2	0.0	7.6	5.4	3.8	1.4	1.60	5.90	11.80
04	4.00	1.7	1.2	0.5	0.2	0.1	1.6	0.8	0.5	0.1	0.00	1.50	6.00
05	0.50	0.3	0.2	0.1	0.1	0.0	0.1	0.1	0.0	0.0	0.00	0.00	0.50
06	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
07	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
08	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
09	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
10	1.70	1.4	1.0	0.3	0.1	0.0	1.3	0.5	0.0	0.0	0.00	0.00	2.10
11	4.40	3.6	2.1	0.3	0.1	0.0	6.8	2.7	0.9	0.0	1.60	3.30	7.00
12	7.40	5.6	3.1	0.6	0.2	0.0	16.2	7.1	2.7	0.4	2.50	6.00	11.50
Summary	40.4	28.4	16.3	4.1	1.3	0.1	71.4	41.7	23.0	5.2	13.7	30.3	61.2

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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	6.6	15.1	80.6	211.7	471.2	730.5	1005.3	955.9	611.2	254.0	53.4	5.9
45	1.2	3.6	31.2	112.7	326.3	580.7	850.5	801.0	465.0	146.2	19.8	1.1
50	0.1	0.4	8.5	49.3	198.6	432.6	695.7	646.6	324.7	71.0	5.7	0.1
55	0.0	0.0	1.6	16.2	102.1	289.7	540.8	492.9	200.6	28.4	1.0	0.0
60	0.0	0.0	0.1	3.4	40.3	164.3	387.6	344.2	106.2	9.5	0.0	0.0
Growing Degree Units for Corn (Monthly)												
50/86	8.3	19.6	86.7	172.3	309.1	455.5	619.5	589.1	401.9	194.4	56.0	8.2

Growing Degree Units (Accumulated Monthly)												
40	7	22	102	314	785	1516	2521	3477	4088	4342	4396	4401
45	1	5	36	149	475	1056	1906	2707	3172	3318	3338	3339
50	0	0	9	58	257	690	1385	2032	2356	2428	2433	2433
55	0	0	2	18	120	410	950	1443	1644	1672	1673	1673
60	0	0	0	4	44	208	596	940	1046	1056	1056	1056
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	8	28	115	287	596	1052	1671	2260	2662	2856	2912	2921

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