

Summary of Monthly Normals
1991-2020

Current Location: Elev: 2345 ft. Lat: 48.9975° N Lon: 104.5750° W
Station: **RAYMOND BORDER STN, MT US USC00246893**
Generated on 06/04/2024

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	20.7	2.0	11.3	6.3	6.6	6.3	0.0	0.0	0.0	0.0	0.0	0.0	1353.0	1415.0	1508.0	1663.0	0.0	0.0	0.3	22.7	30.7	14.1
02	25.2	5.3	15.2	8.9	9.1	8.9	0.0	0.0	0.0	0.0	0.0	0.0	1112.9	1168.8	1252.9	1392.9	0.0	0.0	0.9	17.7	27.6	10.8
03	37.9	16.8	27.3	7.4	6.0	6.6	0.6	0.3	0.0	0.0	0.0	0.0	857.8	919.4	1012.2	1167.2	0.0	0.0	8.0	11.1	28.1	4.3
04	54.5	28.6	41.5	5.2	3.3	4.1	11.2	6.4	2.4	0.3	0.0	0.0	414.8	470.1	556.0	703.9	0.0	0.0	20.3	1.7	18.9	0.2
05	66.5	39.7	53.1	3.5	2.8	2.9	83.6	59.7	33.5	9.5	1.7	0.6	142.6	180.7	247.4	378.5	0.0	0.2	29.4	0.0	5.6	0.0
06	74.2	49.1	61.6	2.9	2.3	2.4	217.4	170.0	109.8	42.3	11.4	6.0	17.9	30.6	60.3	142.9	0.0	1.0	29.9	0.0	0.2	0.0
07	81.1	54.1	67.6	4.4	2.5	3.3	391.8	331.8	245.7	127.4	50.6	31.3	1.4	3.3	10.2	46.9	0.1	5.0	31.0	0.0	0.0	0.0
08	81.4	52.6	67.0	3.8	2.4	2.9	377.3	319.7	238.9	125.2	50.0	31.1	5.6	9.9	22.1	63.3	0.2	5.6	31.0	0.0	0.0	0.0
09	71.0	43.4	57.2	4.2	2.3	2.9	146.7	113.1	71.9	27.6	7.3	3.5	80.8	107.3	155.9	261.7	0.0	1.3	29.1	0.0	2.6	0.0
10	54.4	31.0	42.7	5.0	3.2	3.8	22.3	15.2	7.9	1.9	0.2	0.0	403.7	458.6	544.2	693.3	0.0	0.1	20.8	1.9	16.2	0.2
11	36.3	17.5	26.9	6.8	5.4	5.9	0.5	0.1	0.0	0.0	0.0	0.0	843.4	903.0	992.9	1142.9	0.0	0.0	5.0	11.4	27.4	2.9
12	23.8	6.7	15.3	7.0	6.9	6.8	0.0	0.0	0.0	0.0	0.0	0.0	1232.0	1294.0	1387.1	1542.1	0.0	0.0	0.2	20.8	30.7	9.6
Summary	52.2	28.9	40.6	5.5	4.4	4.7	1251	1016	710	334	121	72	6466	6961	7749	9199	0.3	13.2	205.9	87.3	188.0	42.1

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	0.39	3.7	0.9	0.3	0.0	0.08	0.16	0.50	
02	0.47	3.6	0.9	0.2	0.0	0.02	0.16	0.53	
03	0.52	3.9	1.5	0.3	0.1	0.23	0.41	0.76	
04	1.16	6.0	2.6	0.8	0.3	0.40	0.94	1.62	
05	2.17	8.1	5.3	1.5	0.4	0.74	1.59	3.14	
06	3.24	10.4	7.2	2.2	0.7	2.32	3.12	3.77	
07	2.64	8.2	5.5	1.7	0.5	1.45	2.39	3.23	
08	1.78	6.0	3.8	1.1	0.2	0.78	1.44	2.29	
09	1.07	4.9	2.8	0.5	0.1	0.42	0.63	1.62	
10	0.80	4.5	2.0	0.5	0.1	0.20	0.56	1.07	
11	0.40	3.2	1.2	0.2	0.0	0.11	0.27	0.49	
12	0.49	3.1	0.8	0.2	0.0	0.23	0.34	0.62	
Summary	15.13	65.6	34.5	9.5	2.4	6.98	12.01	19.64	

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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	7.70	2.6	1.9	0.5	0.1	0.0					1.00	5.40	12.70
02	4.60	2.8	1.5	0.2	0.0	0.0					0.00	4.30	8.00
03	4.20	2.1	1.4	0.4	0.2	0.0					0.00	2.00	5.90
04	2.00	0.9	0.6	0.2	0.1	0.0					0.00	0.00	2.40
05	0.10	0.1	0.0	0.0	0.0	0.0					0.00	0.00	0.00
06	0.00	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					0.00	0.00	0.00
08	0.00	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					0.00	0.00	0.00
10	1.50	0.7	0.5	0.1	0.0	0.0					0.00	0.00	2.50
11	2.70	2.1	1.4	0.5	0.1	0.0					0.20	2.00	3.70
12	8.50	2.4	1.2	0.6	0.3	0.0					0.20	2.70	14.80
Summary	31.3	13.7	8.5	2.5	0.8	0.0	0.0	0.0	0.0	0.0	1.4	16.4	50.0

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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	0.6	2.7	29.3	149.5	416.1	649.4	855.3	836.6	520.1	186.4	23.2	0.5
45	0.1	0.9	10.6	77.0	280.8	499.9	700.5	681.9	379.9	105.0	8.6	0.0
50	0.0	0.2	3.3	32.8	167.0	353.1	545.6	528.3	251.8	52.0	2.6	0.0
55	0.0	0.0	0.6	11.2	83.6	217.4	391.8	377.3	146.7	22.3	0.5	0.0
60	0.0	0.0	0.0	2.4	33.5	109.8	245.7	238.9	71.9	7.9	0.0	0.0
Growing Degree Units for Corn (Monthly)												
50/86	0.3	2.3	27.5	118.7	268.1	391.5	538.2	527.7	328.3	127.5	18.4	0.3

Growing Degree Units (Accumulated Monthly)												
40	1	3	33	182	598	1248	2103	2939	3460	3646	3669	3670
45	0	1	12	89	369	869	1570	2252	2632	2737	2745	2745
50	0	0	4	36	203	556	1102	1630	1882	1934	1937	1937
55	0	0	1	12	95	313	705	1082	1229	1251	1251	1251
60	0	0	0	2	36	146	391	630	702	710	710	710
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	0	3	30	149	417	808	1347	1874	2203	2330	2349	2349

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