

Summary of Monthly Normals
1991-2020

Current Location: Elev: 3964 ft. Lat: 46.2989° N Lon: 111.4525° W
Station: TOWNSEND 3SE, MT US USC00248324

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	33.9	13.7	23.8	5.1	5.6	5.3	0.0	0.0	0.0	0.0	0.0	0.0	967.2	1029.2	1122.2	1277.2	0.0	0.0	2.7	11.5	29.0	6.2
02	38.7	16.5	27.6	7.1	6.4	6.6	0.1	0.0	0.0	0.0	0.0	0.0	767.2	823.1	907.1	1047.2	0.0	0.0	5.8	7.1	25.7	3.4
03	49.4	23.5	36.5	5.9	4.7	5.2	0.6	0.1	0.0	0.0	0.0	0.0	575.7	637.3	730.1	885.1	0.0	0.0	17.0	2.2	25.5	1.0
04	58.2	31.0	44.6	3.2	2.3	2.5	9.1	5.1	1.6	0.2	0.0	0.0	321.1	377.0	463.6	612.2	0.0	0.0	24.1	0.2	17.3	0.0
05	67.0	39.4	53.2	3.2	1.7	2.2	65.1	42.5	19.4	2.7	0.2	0.0	120.9	160.4	230.3	368.5	0.0	0.1	30.3	0.0	5.0	0.0
06	74.1	46.8	60.4	3.4	1.7	2.4	182.8	138.0	83.5	26.7	4.5	1.6	19.2	34.5	70.0	163.2	0.0	1.2	29.9	0.0	0.1	0.0
07	83.4	51.7	67.5	4.9	2.3	3.3	389.8	329.8	243.6	117.6	34.0	16.4	0.9	2.9	9.7	38.6	0.1	6.5	31.0	0.0	0.0	0.0
08	82.6	49.7	66.2	3.2	1.8	2.2	350.3	292.0	208.3	91.5	21.3	9.1	4.8	8.4	17.8	55.9	0.0	5.2	31.0	0.0	0.1	0.0
09	72.7	41.6	57.2	3.3	2.2	2.3	124.7	90.1	50.5	13.6	1.4	0.5	60.2	85.6	136.0	249.1	0.0	1.1	29.5	0.0	3.3	0.0
10	58.5	31.9	45.2	3.7	3.2	3.2	16.4	9.7	3.9	0.5	0.0	0.0	320.2	375.5	462.7	614.3	0.0	0.0	25.6	0.8	15.2	0.1
11	43.7	22.2	33.0	4.8	4.3	4.5	1.0	0.5	0.2	0.0	0.0	0.0	662.5	722.0	811.7	961.5	0.0	0.0	9.7	4.7	24.2	2.0
12	33.8	14.2	24.0	4.3	4.8	4.5	0.0	0.0	0.0	0.0	0.0	0.0	960.8	1022.8	1115.8	1270.9	0.0	0.0	2.2	12.3	28.7	4.2
Summary	58.0	31.8	44.9	4.3	3.4	3.7	1140	908	611	253	61	28	4781	5279	6077	7544	0.1	14.1	238.8	38.8	174.1	16.9

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

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Generated on 05/22/2024

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	4.7	0.9	0.0	0.0	0.17	0.25	0.38	
02	0.28	4.8	0.9	0.0	0.0	0.05	0.15	0.38	
03	0.42	5.3	1.3	0.1	0.0	0.24	0.33	0.56	
04	0.85	7.5	3.2	0.2	0.0	0.51	0.69	1.13	
05	1.78	10.8	5.5	0.6	0.0	1.39	1.65	2.23	
06	2.51	12.3	6.7	1.2	0.2	1.57	2.44	3.25	
07	1.21	8.6	3.5	0.4	0.1	0.59	1.08	1.46	
08	1.10	7.6	3.5	0.4	0.1	0.43	0.96	1.67	
09	0.78	6.0	2.6	0.2	0.0	0.42	0.72	1.02	
10	0.65	5.0	1.8	0.2	0.0	0.26	0.47	1.09	
11	0.39	5.1	1.3	0.0	0.0	0.12	0.31	0.52	
12	0.30	5.1	1.0	0.0	0.0	0.20	0.28	0.37	
Summary	10.55	82.8	32.2	3.3	0.4	5.95	9.33	14.06	

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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	4.40	4.8	1.6	0.2	0.0	0.0	14.9	4.3	0.3	0.0	1.80	4.30	6.70
02	3.20	3.8	1.5	0.1	0.0	0.0	8.1	3.3	1.3	0.2	0.30	2.20	4.90
03	4.00	3.3	1.6	0.3	0.1	0.0	3.5	1.5	1.0	0.2	0.80	2.80	6.30
04	2.30	1.8	0.9	0.2	0.0	0.0	0.2	0.0	0.0	0.0	0.30	1.00	3.70
05	0.10	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.10
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	1.40	0.6	0.4	0.1	0.1	0.0	0.6	0.5	0.3	0.0	0.00	0.00	1.00
11	3.90	3.3	1.6	0.4	0.0	0.0	5.5	1.9	0.6	0.0	2.00	3.00	4.60
12	4.40	4.7	1.8	0.5	0.0	0.0	12.5	3.8	0.8	0.0	2.20	3.70	5.30
Summary	23.7	22.5	9.5	1.8	0.2	0.0	45.3	15.3	4.3	0.4	7.4	17.0	32.6

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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	7.0	16.0	68.8	176.0	411.8	613.5	853.9	810.5	516.0	213.1	47.9	8.3
45	0.6	4.8	23.1	83.6	267.4	463.7	698.9	655.9	370.3	114.2	17.5	1.7
50	0.0	1.0	5.4	31.3	148.1	316.7	543.9	501.8	235.6	49.9	4.7	0.2
55	0.0	0.1	0.6	9.1	65.1	182.8	389.8	350.3	124.7	16.4	1.0	0.0
60	0.0	0.0	0.0	1.6	19.4	83.5	243.6	208.3	50.5	3.9	0.2	0.0
Growing Degree Units for Corn (Monthly)												
50/86	4.0	13.7	67.5	140.4	266.7	372.6	537.8	518.0	344.8	157.3	33.0	3.6

Growing Degree Units (Accumulated Monthly)												
40	7	23	92	268	680	1293	2147	2958	3474	3687	3734	3743
45	1	5	28	112	380	843	1542	2198	2568	2682	2700	2702
50	0	1	6	38	186	502	1046	1548	1784	1834	1838	1839
55	0	0	1	10	75	258	648	998	1122	1139	1140	1140
60	0	0	0	2	21	104	348	556	607	611	611	611
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	4	18	85	226	492	865	1403	1921	2266	2423	2456	2459

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

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