

Summary of Monthly Normals
1991-2020
Generated on 05/01/2024

Current Location: Elev: 5773 ft. Lat: 45.2925° N Lon: 111.9478° W
Station: VIRGINIA CITY, MT US USC00248597

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	36.9	15.0	26.0	3.2	4.3	3.6	0.0	0.0	0.0	0.0	0.0	0.0	900.6	962.6	1055.6	1210.6	0.0	0.0	2.1	9.4	30.3	4.3
02	38.9	15.4	27.1	4.9	4.7	4.7	0.0	0.0	0.0	0.0	0.0	0.0	779.7	835.7	919.7	1059.8	0.0	0.0	3.5	5.3	27.2	2.3
03	47.2	22.1	34.7	4.5	3.7	4.0	0.0	0.0	0.0	0.0	0.0	0.0	630.9	692.9	785.9	940.9	0.0	0.0	13.2	1.6	28.4	0.6
04	54.3	28.5	41.4	3.2	2.5	2.6	3.1	1.3	0.3	0.0	0.0	0.0	411.0	469.2	558.2	708.0	0.0	0.0	19.4	0.3	22.6	0.0
05	64.2	36.6	50.4	3.5	1.9	2.4	40.6	25.0	9.7	0.9	0.1	0.0	183.3	229.7	307.4	453.6	0.0	0.0	28.1	0.0	10.0	0.0
06	72.6	43.1	57.9	4.0	2.0	2.8	137.5	101.3	57.8	15.8	2.4	0.9	52.0	75.8	122.2	230.3	0.0	0.6	29.7	0.0	1.6	0.0
07	82.6	49.8	66.2	4.4	2.5	3.3	351.6	293.5	210.1	91.0	21.7	9.1	4.5	8.4	18.0	53.8	0.0	3.7	31.0	0.0	0.1	0.0
08	81.3	48.6	64.9	2.9	1.9	2.3	315.2	257.7	176.6	67.4	11.3	4.0	6.9	11.4	23.3	69.0	0.0	1.8	31.0	0.0	0.2	0.0
09	71.4	41.2	56.3	3.3	2.0	2.4	112.1	79.6	41.7	8.0	0.7	0.2	73.2	100.7	152.7	269.0	0.0	0.1	29.6	0.0	3.4	0.0
10	57.6	31.4	44.5	3.5	3.0	3.1	12.0	6.3	1.8	0.1	0.0	0.0	337.5	393.8	482.2	635.6	0.0	0.0	24.4	0.6	16.8	0.1
11	43.8	21.3	32.6	4.6	4.0	4.2	0.3	0.1	0.0	0.0	0.0	0.0	673.7	733.6	823.5	973.5	0.0	0.0	8.9	4.9	27.3	1.3
12	35.3	13.9	24.6	3.3	3.4	3.2	0.0	0.0	0.0	0.0	0.0	0.0	942.2	1004.2	1097.2	1252.3	0.0	0.0	1.4	10.9	30.3	3.6
Summary	57.2	30.6	43.9	3.8	3.0	3.2	972	765	498	183	36	14	4996	5518	6346	7856	0.0	6.2	222.3	33.0	198.2	12.2

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	0.67	5.9	2.6	0.2	0.0	0.29	0.61	0.78	
02	0.59	5.7	2.2	0.0	0.0	0.31	0.55	0.77	
03	0.93	6.4	2.9	0.2	0.0	0.60	0.81	1.11	
04	1.75	9.7	5.3	0.7	0.0	1.37	1.71	2.16	
05	2.37	11.4	7.8	1.2	0.0	2.06	2.37	2.88	
06	2.74	11.7	7.0	1.6	0.3	2.02	2.63	3.44	
07	1.33	7.6	3.9	0.6	0.0	0.55	1.15	1.92	
08	1.14	8.2	4.1	0.5	0.0	0.68	0.91	1.47	
09	1.19	6.3	3.4	0.5	0.0	0.53	1.13	1.77	
10	1.35	6.7	3.6	0.7	0.1	0.81	1.26	1.64	
11	0.82	6.5	2.7	0.2	0.0	0.41	0.72	1.15	
12	0.77	6.8	2.5	0.2	0.0	0.39	0.72	0.99	
Summary	15.65	92.9	48.0	6.6	0.4	10.02	14.57	20.08	

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U.S. Department of Commerce
National Oceanic & Atmospheric Administration
National Environmental Satellite, Data, and Information Service

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National Centers for Environmental Information
151 Patton Avenue
Asheville, North Carolina 28801

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	11.20	5.5	4.5	1.3	0.4	0.0					6.00	11.60	13.50
02	8.00	4.9	4.0	1.1	0.1	0.0					4.70	6.30	8.40
03	6.60	4.0	3.4	0.9	0.4	0.0					3.30	6.20	9.50
04	10.70	3.9	3.5	1.7	0.6	0.0					7.70	10.20	12.60
05	4.30	1.8	1.6	0.4	0.2	0.1					0.00	0.50	5.50
06	0.20	0.2	0.2	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	0.20	0.1	0.1	0.0	0.0	0.0					0.00	0.00	0.00
10	3.60	1.7	1.4	0.4	0.1	0.0					0.00	4.00	6.00
11	7.70	5.1	4.2	1.2	0.3	0.1					4.50	5.00	12.30
12	12.20	6.1	5.0	1.3	0.5	0.0					5.70	10.00	15.70
Summary	64.7	33.3	27.9	8.3	2.6	0.2	0.0	0.0	0.0	0.0	31.9	53.8	83.5

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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	3.5	4.7	36.1	114.8	330.8	535.8	811.5	773.1	491.4	194.8	39.0	3.0
45	0.2	0.3	7.8	47.9	201.2	388.0	656.8	618.3	348.1	102.8	12.5	0.3
50	0.0	0.0	0.7	15.3	102.8	250.0	502.5	465.1	217.7	42.3	2.5	0.0
55	0.0	0.0	0.0	3.1	40.6	137.5	351.6	315.2	112.1	12.0	0.3	0.0
60	0.0	0.0	0.0	0.3	9.7	57.8	210.1	176.6	41.7	1.8	0.0	0.0
Growing Degree Units for Corn (Monthly)												
50/86	3.4	5.8	38.6	97.3	224.5	342.8	515.0	494.6	325.5	144.6	32.2	2.1
Growing Degree Units (Accumulated Monthly)												
40	4	8	44	159	490	1026	1837	2610	3102	3296	3336	3338
45	0	0	8	56	257	645	1302	1920	2269	2371	2384	2384
50	0	0	1	16	119	369	871	1336	1554	1596	1599	1599
55	0	0	0	3	44	181	533	848	960	972	972	972
60	0	0	0	0	10	68	278	454	496	498	498	498
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	3	9	48	145	370	712	1227	1722	2048	2192	2224	2226

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