

Summary of Monthly Normals
1991-2020

Current Location: Elev: 4600 ft. Lat: 46.9956° N Lon: 111.5772° W
Station: **CASCADE 20 SSE, MT US USC00241557**
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	36.3	15.1	25.7	3.7	5.2	4.3	0.0	0.0	0.0	0.0	0.0	0.0	908.4	970.3	1063.3	1218.3	0.0	0.0	4.3	8.4	26.5	6.6
02	37.5	14.6	26.1	6.5	7.3	6.7	0.1	0.1	0.0	0.0	0.0	0.0	810.6	866.5	950.5	1090.5	0.0	0.0	5.8	6.4	25.1	3.9
03	44.6	21.1	32.8	5.4	4.4	4.8	0.8	0.4	0.0	0.0	0.0	0.0	687.5	749.0	841.7	996.7	0.0	0.0	13.2	3.7	25.9	2.6
04	52.6	27.6	40.1	3.4	3.0	2.9	3.6	1.9	0.7	0.0	0.0	0.0	450.6	508.9	597.7	747.0	0.0	0.0	19.3	1.1	21.4	0.2
05	61.7	35.1	48.4	3.4	1.6	2.2	24.9	14.1	4.8	0.4	0.0	0.0	229.5	280.8	364.4	515.0	0.0	0.0	27.9	0.0	12.4	0.0
06	69.6	40.8	55.2	3.0	1.8	2.1	77.8	52.0	25.6	5.5	0.8	0.3	71.8	106.0	169.7	299.4	0.0	0.2	29.5	0.0	3.7	0.0
07	80.7	44.4	62.6	4.7	2.0	3.0	243.5	190.3	121.2	43.4	8.9	3.6	9.6	18.4	42.2	119.5	0.0	5.3	31.0	0.0	0.8	0.0
08	80.3	43.4	61.9	3.6	1.9	2.3	229.0	177.4	109.7	33.3	4.4	1.2	16.7	27.1	52.4	131.1	0.0	4.4	30.9	0.0	1.5	0.0
09	70.2	36.7	53.5	3.6	1.8	2.3	69.5	46.0	21.8	3.9	0.5	0.2	116.0	152.5	218.3	350.5	0.0	0.6	29.2	0.0	9.7	0.0
10	56.0	29.8	42.9	4.2	3.3	3.4	11.2	6.1	2.3	0.4	0.0	0.0	386.3	443.2	532.4	685.5	0.0	0.0	23.8	1.3	19.6	0.5
11	42.8	22.5	32.6	5.0	5.1	4.9	1.4	0.6	0.1	0.0	0.0	0.0	671.8	731.1	820.6	970.5	0.0	0.0	10.0	4.7	23.2	2.5
12	35.6	15.2	25.4	5.1	5.7	5.2	0.0	0.0	0.0	0.0	0.0	0.0	917.4	979.4	1072.5	1227.4	0.0	0.0	3.6	8.2	27.4	4.9
Summary	55.7	28.9	42.3	4.3	3.6	3.7	662	489	286	87	15	5	5276	5833	6726	8351	0.0	10.5	228.5	33.8	197.2	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	0.49	4.9	1.4	0.0	0.0	0.29	0.48	0.70
02	0.46	4.9	1.5	0.0	0.0	0.27	0.43	0.61
03	0.78	6.1	2.4	0.1	0.0	0.44	0.71	1.05
04	1.51	8.7	4.6	0.7	0.1	1.10	1.43	1.90
05	2.59	11.0	6.4	1.3	0.4	1.98	2.58	2.96
06	2.91	11.8	6.7	2.0	0.5	1.71	2.77	3.79
07	1.28	7.6	4.3	0.6	0.2	0.52	1.03	1.58
08	1.24	6.7	3.9	0.8	0.2	0.46	0.88	1.49
09	1.29	6.1	3.3	0.6	0.1	0.75	1.38	1.74
10	1.14	6.9	3.5	0.3	0.0	0.67	0.96	1.65
11	0.73	5.5	2.3	0.2	0.0	0.37	0.65	0.90
12	0.52	5.0	1.7	0.0	0.0	0.25	0.51	0.68
Summary	14.94	85.2	42.0	6.6	1.5	8.81	13.81	19.05

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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	7.90	3.5	2.7	0.6	0.3	0.0					5.90	7.80	12.20
02	8.40	4.0	2.8	1.0	0.3	0.0					3.70	8.00	14.10
03	9.50	3.0	2.6	1.1	0.3	0.0					5.90	7.00	10.30
04	10.80	2.9	2.8	1.4	0.7	0.1					2.50	13.90	17.50
05	3.10	1.0	0.9	0.4	0.2	0.0					0.00	0.80	3.80
06	0.10	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	0.60	0.3	0.2	0.0	0.0	0.0					0.00	0.00	0.40
10	5.50	1.7	1.4	0.5	0.2	0.0					0.30	4.00	7.20
11	8.30	3.2	2.6	0.8	0.3	0.1					1.30	6.20	10.50
12	8.70	3.5	2.9	1.2	0.3	0.0					4.50	7.00	14.00
Summary	62.9	23.1	18.9	7.0	2.6	0.2	0.0	0.0	0.0	0.0	24.1	54.7	90.0

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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	13.6	11.8	42.1	103.7	277.3	456.5	698.5	677.2	408.9	175.0	57.4	10.2
45	2.7	2.8	13.9	43.7	156.1	309.5	543.8	523.4	270.6	90.6	23.2	1.5
50	0.4	0.6	3.8	14.3	71.7	175.2	389.9	371.8	153.9	37.3	6.6	0.0
55	0.0	0.1	0.8	3.6	24.9	77.8	243.5	229.0	69.5	11.2	1.4	0.0
60	0.0	0.0	0.0	0.7	4.8	25.6	121.2	109.7	21.8	2.3	0.1	0.0
Growing Degree Units for Corn (Monthly)												
50/86	5.9	7.9	36.2	87.5	192.8	297.6	469.0	465.0	306.4	133.5	31.8	2.9

Growing Degree Units (Accumulated Monthly)												
40	14	25	68	171	448	905	1604	2281	2690	2865	2922	2932
45	3	6	19	63	219	529	1072	1596	1866	1957	1980	1982
50	0	1	5	19	91	266	656	1028	1182	1219	1226	1226
55	0	0	1	4	29	107	351	580	649	660	662	662
60	0	0	0	1	6	31	152	262	284	286	286	286
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	6	14	50	138	330	628	1097	1562	1868	2002	2034	2037

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

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