

Summary of Monthly Normals
1991-2020

Current Location: Elev: 6042 ft. Lat: 42.6233° N Lon: 106.3567° W
Station: **BATES CREEK #2, WY US USC00480552**
Generated on 06/05/2024

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	34.3	12.0	23.1	3.4	3.5	3.4	0.0	0.0	0.0	0.0	0.0	0.0	987.4	1049.4	1142.4	1297.4	0.0	0.0	1.0	12.1	30.7	4.0
02	35.6	13.4	24.5	4.2	4.8	4.4	0.0	0.0	0.0	0.0	0.0	0.0	853.7	909.7	993.7	1133.8	0.0	0.0	2.0	9.4	27.6	3.0
03	45.9	22.4	34.2	3.6	3.1	3.2	0.3	0.1	0.0	0.0	0.0	0.0	646.8	708.6	801.5	956.5	0.0	0.0	12.6	4.3	27.2	0.8
04	53.2	28.9	41.1	3.6	2.5	2.9	5.2	2.5	0.6	0.0	0.0	0.0	423.6	480.9	569.0	718.5	0.0	0.0	19.4	1.3	20.4	0.1
05	63.0	37.9	50.5	4.2	2.0	2.9	50.0	32.0	13.9	2.0	0.1	0.0	191.1	235.1	310.0	453.1	0.0	0.0	27.2	0.1	7.1	0.0
06	74.8	46.6	60.7	4.2	2.5	3.2	202.5	158.1	101.4	36.8	6.8	2.5	31.6	47.1	80.4	165.9	0.0	0.7	29.6	0.0	0.4	0.0
07	83.6	53.7	68.6	3.1	2.9	2.8	424.7	364.4	276.1	142.2	45.8	24.2	1.7	3.5	8.1	29.2	0.0	5.2	31.0	0.0	0.0	0.0
08	82.0	52.3	67.2	2.6	2.6	2.4	380.5	321.4	235.5	111.1	31.1	14.9	4.0	6.9	14.0	44.6	0.0	2.2	31.0	0.0	0.0	0.0
09	71.8	43.4	57.6	3.2	2.6	2.6	150.0	112.6	67.3	20.9	2.9	0.6	72.1	94.8	139.5	242.9	0.0	0.2	28.8	0.1	2.7	0.0
10	57.5	31.8	44.7	4.3	3.7	3.8	17.3	9.4	3.1	0.3	0.0	0.0	338.2	392.3	479.0	631.1	0.0	0.0	23.6	1.4	15.7	0.2
11	44.0	21.3	32.6	5.4	4.4	4.8	0.6	0.2	0.0	0.0	0.0	0.0	671.1	730.7	820.5	970.5	0.0	0.0	10.3	5.3	25.9	1.1
12	34.4	13.0	23.7	3.0	3.6	3.2	0.0	0.0	0.0	0.0	0.0	0.0	970.0	1032.0	1125.0	1280.1	0.0	0.0	1.7	12.1	30.1	3.8
Summary	56.7	31.4	44.0	3.7	3.2	3.3	1231	1001	698	313	87	42	5191	5691	6483	7924	0.0	8.3	218.2	46.1	187.8	13.0

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	0.76	6.1	2.8	0.1	0.0	0.39	0.77	1.08	
02	0.76	5.8	2.6	0.1	0.0	0.58	0.76	1.04	
03	0.93	6.0	3.0	0.3	0.0	0.50	0.85	1.25	
04	1.64	8.3	4.6	0.8	0.1	1.09	1.46	2.31	
05	2.28	9.1	5.9	1.3	0.3	0.91	1.87	3.01	
06	1.37	7.2	4.3	0.6	0.0	0.48	1.17	2.07	
07	0.91	5.7	2.7	0.4	0.0	0.57	0.77	1.23	
08	0.76	5.0	2.6	0.2	0.0	0.44	0.64	1.00	
09	1.05	5.9	3.1	0.4	0.0	0.58	1.00	1.39	
10	1.40	5.5	3.2	0.8	0.2	0.41	1.13	1.59	
11	0.65	4.8	2.3	0.2	0.0	0.43	0.58	0.92	
12	0.74	5.9	2.4	0.2	0.0	0.49	0.75	0.97	
Summary	13.25	75.3	39.5	5.4	0.6	6.87	11.75	17.86	

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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	11.90	5.4	4.1	1.1	0.5	0.1	26.6	20.6	15.2	4.6	7.40	12.30	17.70
02	11.10	5.3	3.7	1.4	0.5	0.1	23.7	18.9	14.4	4.7	8.40	10.00	14.60
03	10.50	4.6	3.4	1.1	0.5	0.1	11.0	6.6	3.9	0.9	4.20	8.30	13.50
04	9.20	3.4	2.5	1.1	0.6	0.1	4.0	2.1	1.2	0.3	3.00	5.60	13.90
05	2.30	0.8	0.7	0.3	0.1	0.0	0.9	0.4	0.2	0.0	0.00	0.00	3.20
06	0.10	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	0.60	0.3	0.2	0.1	0.0	0.0	0.3	0.1	0.1	0.0	0.00	0.00	0.00
10	5.80	1.9	1.3	0.6	0.4	0.1	2.5	1.2	0.8	0.3	0.00	1.50	5.60
11	5.60	3.4	2.6	0.8	0.2	0.0	7.1	3.4	2.0	0.1	1.90	5.80	8.00
12	11.90	5.4	3.8	1.4	0.5	0.1	21.9	13.1	7.5	1.9	7.30	10.80	15.90
Summary	69.0	30.5	22.3	7.9	3.3	0.6	98.0	66.4	45.3	12.8	32.2	54.3	92.4

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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	1.0	3.6	46.0	125.8	341.1	621.3	887.9	841.5	532.8	214.4	48.4	2.9
45	0.0	0.3	14.1	58.4	215.5	473.2	732.8	686.5	391.3	119.9	17.8	0.4
50	0.0	0.0	3.0	20.4	116.4	331.1	578.0	532.2	261.0	54.2	4.5	0.0
55	0.0	0.0	0.3	5.2	50.0	202.5	424.7	380.5	150.0	17.3	0.6	0.0
60	0.0	0.0	0.0	0.6	13.9	101.4	276.1	235.5	67.3	3.1	0.0	0.0
Growing Degree Units for Corn (Monthly)												
50/86	0.9	3.5	41.7	97.9	215.6	389.0	571.5	542.8	342.9	153.5	39.0	1.9

Growing Degree Units (Accumulated Monthly)												
40	1	5	51	176	518	1139	2027	2868	3401	3615	3664	3667
45	0	0	14	73	288	762	1494	2181	2572	2692	2710	2710
50	0	0	3	23	140	471	1049	1581	1842	1896	1901	1901
55	0	0	0	6	56	258	683	1063	1213	1230	1231	1231
60	0	0	0	1	14	116	392	628	695	698	698	698
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	1	4	46	144	360	749	1320	1863	2206	2359	2398	2400

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

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