

Summary of Monthly Normals
1991-2020

Current Location: Elev: 3840 ft. Lat: 44.3797° N Lon: 108.0350° W
Station: **BASIN, WY US USC00480540**
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	32.4	8.8	20.6	6.0	5.5	5.7	0.0	0.0	0.0	0.0	0.0	0.0	1066.2	1128.2	1221.3	1376.2	0.0	0.0	0.9	15.4	31.0	9.2
02	39.1	14.6	26.8	7.2	6.8	7.0	0.0	0.0	0.0	0.0	0.0	0.0	788.0	844.0	928.1	1068.0	0.0	0.0	4.3	8.7	27.6	5.1
03	54.1	27.4	40.7	5.3	3.4	4.2	6.8	3.4	0.9	0.0	0.0	0.0	448.8	507.4	597.9	752.0	0.0	0.0	19.3	2.2	26.0	0.9
04	63.0	36.5	49.8	3.6	2.5	2.9	43.2	28.4	13.2	2.6	0.4	0.2	200.6	245.8	320.7	460.1	0.0	0.0	25.5	0.1	13.7	0.0
05	72.8	46.8	59.8	4.2	2.0	2.8	198.5	157.3	104.8	43.7	11.8	5.6	49.8	70.6	111.1	205.0	0.0	0.9	30.2	0.0	2.5	0.0
06	83.7	54.7	69.2	4.0	1.8	2.7	429.7	372.4	289.7	168.0	76.4	50.3	3.7	6.4	13.7	42.1	0.6	7.1	29.9	0.0	0.0	0.0
07	92.7	60.3	76.5	4.0	2.6	3.2	666.4	604.5	512.0	360.2	218.0	166.2	0.1	0.2	0.7	3.9	3.3	19.7	31.0	0.0	0.0	0.0
08	91.0	57.2	74.1	2.9	2.2	2.3	592.4	531.0	440.0	293.1	160.6	114.3	0.5	1.1	3.0	11.2	1.2	17.4	31.0	0.0	0.0	0.0
09	79.3	47.5	63.4	3.0	2.4	2.3	276.4	228.3	163.4	78.4	26.5	15.4	24.5	36.4	61.4	126.6	0.0	4.3	29.5	0.0	1.5	0.0
10	62.9	35.5	49.2	4.7	3.0	3.6	45.8	31.7	16.4	3.9	0.7	0.3	225.6	273.5	351.2	493.8	0.0	0.0	26.0	0.7	15.4	0.1
11	46.4	22.8	34.6	5.6	4.3	4.8	0.7	0.4	0.1	0.0	0.0	0.0	612.7	672.3	762.0	912.0	0.0	0.0	10.9	4.6	27.6	1.8
12	33.8	11.4	22.6	4.9	4.0	4.3	0.0	0.0	0.0	0.0	0.0	0.0	1004.1	1066.1	1159.2	1314.1	0.0	0.0	1.5	14.3	30.9	6.0
Summary	62.6	35.3	48.9	4.6	3.4	3.8	2260	1957	1540	950	494	352	4425	4852	5530	6765	5.1	49.4	240.0	46.0	176.2	23.1

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	0.24	3.4	1.0	0.0	0.0	0.09	0.21	0.35	
02	0.32	3.6	1.1	0.0	0.0	0.13	0.24	0.43	
03	0.31	3.1	1.2	0.0	0.0	0.16	0.28	0.41	
04	0.75	5.1	2.5	0.4	0.0	0.40	0.71	0.96	
05	1.37	7.1	4.4	0.6	0.1	0.58	1.18	2.00	
06	1.04	6.0	3.5	0.4	0.0	0.46	0.77	1.45	
07	0.41	3.2	1.3	0.1	0.0	0.10	0.20	0.41	
08	0.32	3.6	1.1	0.0	0.0	0.14	0.24	0.48	
09	0.95	4.7	2.6	0.4	0.1	0.36	0.72	1.22	
10	0.79	4.0	2.4	0.4	0.1	0.21	0.69	1.11	
11	0.36	3.3	1.2	0.1	0.0	0.10	0.33	0.48	
12	0.30	3.3	1.2	0.0	0.0	0.10	0.23	0.39	
Summary	7.16	50.4	23.5	2.4	0.3	2.83	5.80	9.69	

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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	3.40	2.5	2.0	0.3	0.0	0.0	16.7	8.3	2.8	0.0	2.00	3.00	5.00
02	4.10	2.6	2.3	0.4	0.1	0.0	12.8	6.9	3.0	0.1	1.00	3.00	5.00
03	2.30	1.4	1.3	0.2	0.1	0.0	3.8	1.5	0.8	0.0	0.50	1.00	2.70
04	1.50	0.7	0.7	0.1	0.0	0.0	0.7	0.2	0.0	0.0	0.00	0.00	1.80
05	0.10	0.1	0.1	0.0	0.0	0.0	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	0.0	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	0.20	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
10	1.50	0.7	0.7	0.2	0.1	0.0	0.9	0.3	0.1	0.0	0.00	0.00	2.00
11	3.00	1.7	1.4	0.3	0.1	0.0	4.6	1.3	0.5	0.1	0.00	3.00	4.00
12	4.00	2.3	2.2	0.4	0.1	0.0	13.6	5.0	1.2	0.0	2.00	3.50	5.50
Summary	20.1	12.1	10.8	1.9	0.5	0.0	53.1	23.5	8.4	0.2	5.5	13.5	26.0

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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	0.5	15.1	137.0	312.3	614.5	876.0	1131.0	1056.8	702.3	315.1	59.0	2.5
45	0.0	3.9	64.1	192.5	463.0	726.0	976.1	901.9	554.6	194.7	22.0	0.4
50	0.0	0.6	24.5	102.5	320.6	576.8	821.2	746.9	410.7	102.4	5.8	0.0
55	0.0	0.0	6.8	43.2	198.5	429.7	666.4	592.4	276.4	45.8	0.7	0.0
60	0.0	0.0	0.9	13.2	104.8	289.7	512.0	440.0	163.4	16.4	0.1	0.0
Growing Degree Units for Corn (Monthly)												
50/86	2.0	17.0	115.7	207.6	370.4	543.7	701.7	652.1	441.5	217.8	52.6	3.6

Growing Degree Units (Accumulated Monthly)												
40	0	16	153	465	1079	1955	3086	4143	4846	5161	5220	5222
45	0	4	68	260	724	1450	2426	3328	3882	4077	4099	4099
50	0	1	25	128	448	1025	1846	2593	3004	3106	3112	3112
55	0	0	7	50	248	678	1345	1937	2213	2259	2260	2260
60	0	0	1	14	119	409	921	1361	1524	1540	1540	1540
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	2	19	135	342	713	1256	1958	2610	3052	3270	3322	3326

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

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