

Summary of Monthly Normals
1991-2020

Current Location: Elev: 4748 ft. Lat: 44.0647° N Lon: 107.3819° W
Station: TENSLEEP 4NE, WY US USC00488852

Generated on 04/30/2024

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	36.8	14.7	25.8	3.8	4.0	3.8	0.0	0.0	0.0	0.0	0.0	0.0	906.8	968.8	1061.8	1216.8	0.0	0.0	2.6	8.9	29.8	3.2
02	38.9	17.2	28.1	5.7	6.1	5.8	0.0	0.0	0.0	0.0	0.0	0.0	754.2	810.3	894.3	1034.4	0.0	0.0	5.6	6.8	25.7	2.2
03	50.9	26.5	38.7	4.3	3.4	3.7	2.8	1.3	0.4	0.0	0.0	0.0	508.4	568.8	660.9	815.4	0.0	0.0	19.1	1.7	22.3	0.4
04	58.9	33.6	46.2	3.5	2.2	2.8	20.4	12.4	5.1	0.7	0.1	0.0	282.8	334.8	417.5	563.1	0.0	0.0	24.4	0.4	13.3	0.0
05	68.7	42.2	55.5	4.0	2.3	3.1	114.0	83.7	48.5	13.7	1.8	0.5	100.1	131.8	189.7	309.7	0.0	0.0	29.8	0.0	2.2	0.0
06	79.6	50.5	65.0	3.8	2.3	2.9	311.1	257.8	184.1	87.9	30.5	17.6	9.6	16.3	32.6	86.4	0.0	4.3	30.0	0.0	0.0	0.0
07	88.2	57.5	72.9	3.7	2.9	3.2	553.1	491.4	399.7	253.3	125.0	83.8	0.2	0.3	1.5	10.1	0.4	16.0	31.0	0.0	0.0	0.0
08	86.4	55.7	71.1	2.6	2.5	2.4	498.3	437.7	348.3	206.7	91.0	57.7	1.0	2.3	5.9	19.2	0.1	11.8	31.0	0.0	0.0	0.0
09	76.2	46.3	61.2	3.4	2.4	2.6	225.5	180.2	121.7	49.4	13.2	6.7	38.2	52.8	84.4	162.0	0.0	1.8	29.6	0.0	0.8	0.0
10	60.7	34.6	47.6	4.7	3.9	4.2	37.8	25.1	12.1	2.8	0.5	0.2	265.6	314.9	395.0	540.6	0.0	0.0	26.0	0.6	10.8	0.1
11	46.1	24.1	35.1	5.1	4.1	4.5	2.3	1.1	0.2	0.0	0.0	0.0	599.3	658.0	747.2	897.0	0.0	0.0	12.8	3.6	23.9	0.6
12	36.3	15.2	25.8	3.8	4.3	4.0	0.0	0.0	0.0	0.0	0.0	0.0	906.3	968.4	1061.4	1216.5	0.0	0.0	3.0	9.3	29.2	2.8
Summary	60.6	34.8	47.8	4.0	3.4	3.6	1765	1491	1120	614	262	166	4372	4828	5552	6871	0.5	33.9	244.9	31.3	158.0	9.3

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	0.60	5.7	2.3	0.0	0.0	0.37	0.51	0.86	
02	0.65	6.1	2.6	0.1	0.0	0.32	0.53	0.84	
03	0.99	6.0	3.0	0.3	0.0	0.42	0.83	1.43	
04	1.54	8.0	4.4	0.7	0.1	1.11	1.50	1.75	
05	2.42	9.4	5.8	1.6	0.3	1.30	2.01	3.47	
06	1.62	7.6	4.5	0.9	0.1	1.07	1.46	2.26	
07	0.90	5.6	2.6	0.5	0.1	0.43	0.65	1.17	
08	0.66	5.1	1.9	0.3	0.1	0.24	0.45	0.67	
09	1.47	6.3	3.7	1.0	0.2	0.71	1.41	1.95	
10	1.38	7.0	4.5	0.6	0.1	0.66	1.17	2.01	
11	0.77	5.6	2.6	0.2	0.0	0.36	0.82	1.12	
12	0.71	6.0	2.3	0.1	0.0	0.42	0.56	0.89	
Summary	13.71	78.4	40.2	6.3	1.0	7.41	11.90	18.42	

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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	9.00	5.7	3.3	1.1	0.4	0.0	22.7	16.1	11.1	2.3	4.60	9.30	12.10
02	9.50	5.7	3.9	1.1	0.4	0.0	18.9	14.5	9.8	2.4	5.50	7.30	12.20
03	5.70	3.6	2.6	0.8	0.2	0.0	6.7	3.9	2.2	0.7	2.60	5.40	7.50
04	5.40	2.4	1.9	0.6	0.2	0.0	1.4	0.5	0.1	0.0	1.10	4.10	7.00
05	1.10	0.3	0.3	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.00	0.00	2.00
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	0.30	0.2	0.1	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.00	0.00	0.00
10	3.50	1.8	1.2	0.3	0.1	0.0	1.4	0.5	0.2	0.0	0.40	1.50	6.40
11	7.60	4.0	3.0	0.8	0.3	0.0	7.7	3.3	1.6	0.1	4.50	7.00	9.50
12	9.50	5.7	3.8	0.9	0.4	0.0	20.0	10.4	4.4	0.8	5.10	8.30	12.40
Summary	51.6	29.4	20.1	5.7	2.0	0.0	79.0	49.3	29.4	6.3	23.8	42.9	69.1

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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	4.6	14.2	98.9	223.2	482.1	751.5	1018.0	962.3	638.7	279.2	66.7	7.8
45	0.5	3.2	41.9	123.2	338.2	601.8	863.1	807.4	492.4	167.7	27.2	1.2
50	0.0	0.5	13.5	56.1	211.6	453.2	708.1	652.5	352.2	87.6	8.9	0.1
55	0.0	0.0	2.8	20.4	114.0	311.1	553.1	498.3	225.5	37.8	2.3	0.0
60	0.0	0.0	0.4	5.1	48.5	184.1	399.7	348.3	121.7	12.1	0.2	0.0
Growing Degree Units for Corn (Monthly)												
50/86	3.8	10.8	76.6	154.1	302.0	473.4	653.0	623.3	415.4	192.4	48.6	4.6

Growing Degree Units (Accumulated Monthly)												
40	5	19	118	341	823	1574	2592	3555	4194	4473	4539	4547
45	0	4	46	169	507	1109	1972	2779	3272	3439	3467	3468
50	0	0	14	70	282	735	1443	2096	2448	2535	2544	2544
55	0	0	3	23	137	448	1001	1500	1725	1763	1765	1765
60	0	0	0	6	54	238	638	986	1108	1120	1120	1120
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	4	15	91	245	547	1021	1674	2297	2712	2905	2953	2958

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

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