

Summary of Monthly Normals
1991-2020

Generated on 04/29/2024

Current Location: Elev: 4680 ft. Lat: 43.8111° N Lon: 107.3653° W

Station: TENSLEEP 16SSE, WY US USC00488858

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	34.0	0.8	17.4	4.7	5.7	5.0	0.0	0.0	0.0	0.0	0.0	0.0	1165.6	1227.6	1320.6	1475.6	0.0	0.0	1.6	10.7	31.0	14.0
02	36.4	5.3	20.9	5.8	7.0	6.3	0.0	0.0	0.0	0.0	0.0	0.0	956.0	1012.0	1096.0	1236.0	0.0	0.0	3.9	8.3	28.0	9.0
03	46.9	18.9	32.9	4.9	3.8	4.0	0.1	0.1	0.0	0.0	0.0	0.0	685.4	747.3	840.3	995.3	0.0	0.0	14.7	3.2	29.9	1.8
04	55.0	27.2	41.1	3.4	2.0	2.4	2.8	1.5	0.5	0.0	0.0	0.0	419.8	478.4	567.4	717.0	0.0	0.0	20.8	0.7	24.4	0.3
05	64.8	37.0	50.9	4.1	1.9	2.7	50.2	32.3	13.6	1.6	0.1	0.0	177.4	221.4	295.7	438.7	0.0	0.0	28.0	0.0	8.3	0.0
06	76.4	45.6	61.0	4.3	1.9	2.8	206.9	161.0	101.5	33.9	5.7	2.0	27.0	41.0	71.5	153.9	0.0	2.9	29.7	0.0	0.3	0.0
07	86.2	51.7	69.0	4.0	2.6	3.1	434.0	373.6	285.6	151.8	51.1	27.0	1.6	3.4	8.5	29.6	0.3	12.8	31.0	0.0	0.0	0.0
08	84.2	48.4	66.3	2.9	2.3	2.3	356.6	298.7	215.6	97.9	25.8	12.2	6.4	10.5	20.5	57.7	0.1	8.5	31.0	0.0	0.2	0.0
09	72.7	38.1	55.4	3.2	2.7	2.3	102.7	72.4	38.1	8.8	0.8	0.3	90.8	120.4	176.1	296.8	0.0	1.3	28.9	0.1	6.5	0.0
10	58.0	26.7	42.4	5.0	3.1	3.6	6.6	3.6	1.2	0.1	0.0	0.0	398.7	457.7	548.3	702.3	0.0	0.0	23.3	1.0	24.5	0.4
11	45.0	14.0	29.5	5.7	4.4	4.8	0.0	0.0	0.0	0.0	0.0	0.0	765.0	825.0	915.0	1065.0	0.0	0.0	12.1	4.5	29.5	3.8
12	34.7	2.5	18.6	4.7	4.9	4.7	0.0	0.0	0.0	0.0	0.0	0.0	1128.2	1190.2	1283.2	1438.2	0.0	0.0	3.1	11.5	30.8	13.2
Summary	57.9	26.3	42.1	4.4	3.5	3.7	1160	943	656	294	84	42	5822	6335	7143	8606	0.4	25.5	228.1	40.0	213.4	42.5

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	0.59	5.9	2.5	0.1	0.0	0.43	0.59	0.77	
02	0.73	6.8	2.7	0.1	0.0	0.43	0.63	0.94	
03	1.12	6.9	3.6	0.3	0.0	0.55	0.87	1.68	
04	1.70	8.6	4.8	0.8	0.2	1.18	1.35	1.95	
05	2.31	10.1	6.2	1.4	0.3	1.13	2.16	2.94	
06	1.45	7.8	3.8	0.8	0.1	0.73	1.24	2.06	
07	0.97	6.0	2.6	0.4	0.1	0.43	0.62	1.45	
08	0.76	5.3	1.8	0.2	0.1	0.25	0.58	0.75	
09	1.25	6.2	3.3	0.8	0.1	0.46	1.10	1.71	
10	1.45	7.4	4.3	0.6	0.1	0.93	1.23	1.82	
11	0.83	6.1	2.4	0.3	0.0	0.43	0.82	1.20	
12	0.81	6.7	2.4	0.1	0.0	0.46	0.72	1.13	
Summary	13.97	83.8	40.4	5.9	1.0	7.41	11.91	18.40	

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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	10.20	5.9	3.6	1.1	0.3	0.0	29.3	27.1	22.5	10.7	5.30	9.90	14.30
02	10.50	6.7	4.0	1.1	0.3	0.0	26.5	24.9	22.0	14.0	5.00	8.90	15.80
03	9.40	4.8	3.5	1.2	0.3	0.0	16.0	14.1	12.1	6.9	5.40	7.00	10.50
04	6.40	2.9	2.2	0.9	0.3	0.0	3.7	1.9	0.9	0.0	3.20	4.00	10.60
05	0.90	0.6	0.4	0.0	0.0	0.0	0.5	0.1	0.0	0.0	0.00	0.00	1.10
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	0.2	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.00	0.00	0.00
10	5.20	2.1	1.7	0.6	0.4	0.0	3.0	1.7	1.1	0.0	0.00	3.80	8.30
11	8.60	4.7	3.0	0.9	0.4	0.0	12.2	6.9	2.8	0.2	4.40	8.30	12.60
12	11.20	6.5	4.5	1.2	0.3	0.0	26.2	19.1	12.7	1.8	7.30	11.10	14.20
Summary	62.7	34.4	23.1	7.0	2.3	0.0	117.6	95.8	74.1	33.6	30.6	53.0	87.4

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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	0.6	2.4	35.0	116.1	349.6	630.1	896.9	815.0	466.9	157.0	25.1	1.4
45	0.0	0.3	9.5	48.1	220.4	481.5	742.0	660.1	326.8	75.4	6.3	0.0
50	0.0	0.0	1.2	13.6	118.3	337.6	587.3	506.4	202.0	27.6	0.8	0.0
55	0.0	0.0	0.1	2.8	50.2	206.9	434.0	356.6	102.7	6.6	0.0	0.0
60	0.0	0.0	0.0	0.5	13.6	101.5	285.6	215.6	38.1	1.2	0.0	0.0
Growing Degree Units for Corn (Monthly)												
50/86	2.1	7.1	52.7	116.3	238.8	396.5	562.4	524.0	343.6	162.8	49.1	4.8

Growing Degree Units (Accumulated Monthly)												
40	1	3	38	154	504	1134	2031	2846	3313	3470	3495	3496
45	0	0	10	58	278	760	1502	2162	2489	2564	2570	2570
50	0	0	1	15	133	471	1058	1564	1766	1794	1795	1795
55	0	0	0	3	53	260	694	1051	1153	1160	1160	1160
60	0	0	0	0	14	116	401	617	655	656	656	656
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	2	9	62	178	417	814	1376	1900	2244	2406	2455	2460

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