

Summary of Monthly Normals
1991-2020

Current Location: Elev: 3750 ft. Lat: 44.8406° N Lon: 106.8383° W
Station: SHERIDAN FLD STN, WY US USC00488160
Generated on 06/03/2024

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	33.7	10.1	21.9	5.5	5.2	5.2	0.0	0.0	0.0	0.0	0.0	0.0	1026.1	1088.1	1181.1	1336.1	0.0	0.0	3.2	11.0	30.9	8.2
02	36.5	12.8	24.7	7.1	7.4	7.0	0.0	0.0	0.0	0.0	0.0	0.0	849.5	905.5	989.5	1129.6	0.0	0.0	5.0	8.2	27.5	5.9
03	47.5	22.1	34.8	5.7	4.5	4.9	0.9	0.3	0.0	0.0	0.0	0.0	627.3	688.8	781.4	936.4	0.0	0.0	15.5	3.3	28.6	2.0
04	56.0	30.4	43.2	3.5	2.9	2.9	11.4	6.5	2.9	0.5	0.0	0.0	365.4	420.4	506.8	654.5	0.0	0.0	22.0	0.8	20.6	0.5
05	65.3	39.8	52.6	4.5	2.4	3.0	72.5	50.8	26.4	5.5	0.8	0.3	148.5	188.9	257.5	391.5	0.0	0.4	28.5	0.0	7.7	0.0
06	76.1	48.6	62.3	4.1	1.7	2.7	242.9	194.9	131.4	54.6	16.0	8.4	22.4	34.4	60.9	134.1	0.4	3.4	29.9	0.0	0.6	0.0
07	87.2	55.0	71.1	4.9	2.6	3.6	499.8	438.9	349.8	211.2	99.2	65.8	1.0	2.1	6.1	22.3	2.8	16.0	31.0	0.0	0.0	0.0
08	86.4	51.7	69.0	3.5	2.3	2.7	439.4	380.0	293.9	166.6	69.7	42.7	4.0	6.6	13.5	41.2	1.7	14.8	31.0	0.0	0.1	0.0
09	75.1	42.1	58.6	3.3	2.7	2.5	170.7	133.0	86.1	33.4	9.0	4.5	62.9	85.2	128.3	225.5	0.1	4.5	29.1	0.0	4.3	0.0
10	58.9	30.9	44.9	5.0	3.3	3.8	21.2	13.6	6.6	1.4	0.2	0.1	334.3	388.7	474.7	624.4	0.0	0.2	24.9	1.1	20.4	0.2
11	44.9	19.6	32.2	5.8	3.9	4.6	0.6	0.2	0.0	0.0	0.0	0.0	683.1	742.7	832.5	982.5	0.0	0.0	12.6	4.6	28.4	2.3
12	34.5	11.5	23.0	5.5	5.3	5.3	0.0	0.0	0.0	0.0	0.0	0.0	991.6	1053.6	1146.6	1301.7	0.0	0.0	3.4	10.7	30.8	6.6
Summary	58.5	31.2	44.9	4.9	3.7	4.0	1459	1218	897	473	195	122	5116	5605	6379	7780	5.0	39.3	236.1	39.7	199.9	25.7

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	0.52	3.5	2.0	0.1	0.0	0.28	0.50	0.69	
02	0.41	3.9	1.0	0.0	0.0	0.20	0.37	0.57	
03	0.71	4.9	2.4	0.2	0.0	0.31	0.57	0.97	
04	1.41	6.6	4.1	0.7	0.1	0.70	1.13	1.67	
05	2.91	9.2	6.7	1.6	0.6	1.63	2.73	4.02	
06	2.30	8.4	5.6	1.3	0.4	1.56	2.40	3.21	
07	1.09	5.7	3.2	0.6	0.1	0.50	0.81	1.17	
08	0.73	4.3	2.1	0.4	0.1	0.22	0.54	0.85	
09	1.43	5.8	3.5	0.7	0.2	0.70	1.37	1.88	
10	1.48	6.7	4.4	0.7	0.1	0.80	1.43	1.81	
11	0.46	3.2	1.9	0.1	0.0	0.21	0.37	0.51	
12	0.43	3.2	1.4	0.1	0.0	0.23	0.38	0.65	
Summary	13.88	65.4	38.3	6.5	1.6	7.34	12.60	18.00	

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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	7.80	3.1	2.8	1.1	0.5	0.1	21.9	14.2	10.1	2.0	2.50	6.30	11.60
02	4.20	3.4	2.6	0.7	0.2	0.0	18.1	13.2	9.7	2.4	1.50	4.40	5.30
03	4.50	2.3	2.1	0.7	0.2	0.0	8.9	6.2	3.3	1.2	2.40	4.80	6.00
04	5.30	1.4	1.3	0.7	0.3	0.0	3.0	2.4	1.5	0.4	0.00	3.00	9.00
05	0.60	0.3	0.2	0.1	0.0	0.0	0.4	0.1	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	0.10	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.00	0.00	0.00
10	2.40	0.7	0.5	0.3	0.1	0.0	1.7	1.1	0.5	0.2	0.00	0.00	5.00
11	3.10	1.5	1.3	0.4	0.2	0.0	6.5	3.4	1.3	0.0	1.00	2.00	5.20
12	5.20	2.8	2.2	0.7	0.2	0.0	14.6	8.1	4.2	0.3	3.40	4.50	6.50
Summary	33.2	15.5	13.0	4.7	1.7	0.1	75.2	48.7	30.6	6.5	10.8	25.0	48.6

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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	3.1	11.6	62.0	167.6	397.9	670.6	963.5	900.2	560.6	216.1	45.8	4.0
45	0.3	3.1	21.3	85.5	262.6	521.7	808.7	745.4	417.2	119.9	16.5	0.9
50	0.0	0.5	5.7	35.5	150.4	376.9	654.0	591.3	283.5	55.0	3.9	0.1
55	0.0	0.0	0.9	11.4	72.5	242.9	499.8	439.4	170.7	21.2	0.6	0.0
60	0.0	0.0	0.0	2.9	26.4	131.4	349.8	293.9	86.1	6.6	0.0	0.0
Growing Degree Units for Corn (Monthly)												
50/86	5.0	12.9	64.8	128.4	247.2	409.9	598.1	559.0	371.9	171.1	52.1	7.5
Growing Degree Units (Accumulated Monthly)												
40	3	15	77	244	642	1313	2276	3176	3737	3953	3999	4003
45	0	3	25	110	373	894	1703	2449	2866	2986	3002	3003
50	0	0	6	42	192	569	1223	1814	2098	2153	2157	2157
55	0	0	1	12	85	328	828	1267	1438	1459	1459	1459
60	0	0	0	3	29	161	510	804	890	897	897	897
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	5	18	83	211	458	868	1466	2025	2397	2568	2620	2628

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