

Summary of Monthly Normals
1991-2020

Generated on 04/27/2024

Current Location: Elev: 5168 ft. Lat: 44.5767° N Lon: 106.9061° W

Station: STORY, WY US USC00488626

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	38.4	14.5	26.5	3.3	3.3	3.2	0.0	0.0	0.0	0.0	0.0	0.0	885.2	947.2	1040.2	1195.1	0.0	0.0	6.5	9.1	29.8	4.8
02	37.4	13.8	25.6	6.1	6.5	6.2	0.0	0.0	0.0	0.0	0.0	0.0	822.9	878.9	962.9	1103.0	0.0	0.0	4.3	10.7	27.3	5.0
03	44.5	20.8	32.6	5.3	4.3	4.7	0.5	0.1	0.0	0.0	0.0	0.0	693.4	755.1	847.9	1002.9	0.0	0.0	10.7	5.2	28.4	1.7
04	52.5	28.5	40.5	4.0	3.0	3.3	5.1	2.7	0.8	0.0	0.0	0.0	440.0	497.7	585.7	735.0	0.0	0.0	16.5	2.3	21.5	0.2
05	60.1	37.6	48.8	3.9	2.0	2.8	38.9	25.1	11.1	1.4	0.0	0.0	229.5	277.7	356.7	502.1	0.0	0.0	24.3	0.2	9.5	0.0
06	70.4	45.4	57.9	3.6	2.1	2.6	141.0	103.7	60.2	18.0	3.0	1.0	54.0	76.7	123.2	231.0	0.0	0.7	29.1	0.0	0.6	0.0
07	80.7	52.6	66.6	3.4	2.2	2.6	364.1	305.4	220.9	100.9	27.2	13.2	3.3	6.6	15.2	50.0	0.0	3.1	31.0	0.0	0.0	0.0
08	79.9	50.5	65.2	2.9	2.5	2.4	325.6	269.6	191.8	86.5	23.4	11.8	9.5	15.6	30.8	80.4	0.0	2.2	31.0	0.0	0.0	0.0
09	70.0	41.8	55.9	3.2	2.7	2.6	128.6	97.0	57.9	17.7	2.5	0.8	101.7	130.1	181.0	290.7	0.0	0.2	27.6	0.0	2.4	0.0
10	56.2	31.3	43.7	5.4	3.6	4.4	21.1	13.1	5.3	0.7	0.0	0.0	369.8	423.8	508.9	659.4	0.0	0.0	20.2	2.2	17.1	0.2
11	45.2	21.9	33.5	4.5	3.7	3.9	1.3	0.4	0.0	0.0	0.0	0.0	644.9	704.0	793.6	943.6	0.0	0.0	12.5	5.3	25.8	1.2
12	37.2	14.0	25.6	4.2	4.9	4.4	0.0	0.0	0.0	0.0	0.0	0.0	911.0	973.0	1066.0	1221.2	0.0	0.0	5.2	11.5	30.1	4.2
Summary	56.0	31.1	43.5	4.2	3.4	3.6	1026	817	548	225	56	27	5165	5686	6512	8014	0.0	6.2	218.9	46.5	192.5	17.3

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	1.29	8.8	4.2	0.4	0.0	0.73	1.15	1.93
02	1.45	9.9	4.7	0.5	0.0	0.91	1.42	1.86
03	2.34	10.1	5.6	1.3	0.1	1.59	2.41	2.89
04	3.74	12.6	8.1	2.3	0.6	2.55	3.41	4.73
05	4.67	13.1	8.1	2.7	1.0	2.52	4.01	6.18
06	2.82	11.8	6.2	1.7	0.7	1.80	2.47	3.53
07	1.64	9.1	4.6	0.6	0.2	0.73	1.56	1.99
08	1.25	8.4	3.2	0.5	0.1	0.45	1.04	1.84
09	2.26	7.9	4.3	1.2	0.6	1.23	2.32	2.86
10	3.32	10.2	6.6	2.2	0.6	1.86	3.39	4.30
11	1.54	8.4	4.6	0.8	0.0	0.82	1.37	2.23
12	1.34	8.0	3.9	0.6	0.0	0.83	1.11	1.77
Summary	27.66	118.3	64.1	14.8	3.9	16.02	25.66	36.11

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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	18.20	9.0	5.5	1.9	0.8	0.2	29.0	27.5	25.9	16.4	9.30	18.00	25.90
02	18.50	9.9	6.3	2.4	0.9	0.2	26.9	25.7	23.8	18.9	9.40	15.40	27.30
03	22.90	8.5	5.4	2.8	1.3	0.2	24.8	22.3	20.5	14.3	13.70	20.90	31.50
04	24.20	7.1	5.6	2.5	1.4	0.4	11.5	8.7	6.7	3.6	15.00	24.10	34.00
05	4.90	2.0	1.5	0.6	0.4	0.0	2.0	1.0	0.5	0.1	1.00	2.00	4.70
06	0.30	0.1	0.1	0.1	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	2.20	0.6	0.5	0.3	0.2	0.0	0.6	0.4	0.3	0.1	0.00	0.00	1.00
10	13.00	4.6	3.5	1.8	1.0	0.2	6.2	3.9	2.4	0.9	3.70	9.30	20.30
11	16.30	7.3	4.9	2.0	1.0	0.1	16.2	10.6	7.1	1.2	9.90	13.50	21.30
12	17.80	8.4	4.8	2.6	1.2	0.2	26.5	22.1	17.7	8.0	10.50	16.90	23.10
Summary	138.3	57.5	38.1	17.0	8.2	1.5	143.7	122.2	104.9	63.5	72.5	120.1	189.1

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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	11.5	15.2	43.9	119.8	296.2	537.9	825.7	781.0	484.3	199.5	55.3	11.4
45	1.9	4.6	15.3	54.9	178.6	391.7	670.7	626.1	347.8	112.8	21.6	2.3
50	0.1	0.8	3.7	19.4	92.4	256.0	516.1	472.8	226.5	53.5	6.7	0.3
55	0.0	0.0	0.5	5.1	38.9	141.0	364.1	325.6	128.6	21.1	1.3	0.0
60	0.0	0.0	0.0	0.8	11.1	60.2	220.9	191.8	57.9	5.3	0.0	0.0
Growing Degree Units for Corn (Monthly)												
50/86	15.3	16.0	42.8	94.3	177.5	315.2	519.8	490.6	312.5	146.3	49.8	14.3

Growing Degree Units (Accumulated Monthly)												
40	12	27	71	190	487	1024	1850	2631	3116	3315	3370	3382
45	2	6	22	77	255	647	1318	1944	2292	2404	2426	2428
50	0	1	5	24	116	372	888	1361	1588	1641	1648	1648
55	0	0	0	6	44	186	550	875	1004	1025	1026	1026
60	0	0	0	1	12	72	293	485	543	548	548	548
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	15	31	74	168	346	661	1181	1672	1984	2130	2180	2194

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

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