U.S. Department of Commerce
National Oceanic & Atmospheric Administration
National Environmental Satellite, Data, and Information Service

Summary of Monthly Normals
1991-2020

Generated on 11/05/2026

National Centers for Environmental Information
151 Patton Avenue
Asheville, North Carolina 28801

Current Location: Elev: 5338 ft. Lat: 42.8975° N Lon: 106.4636° W

Station: **CASPER NATRONA CO AP, WY US USW00024089**

Temperature (°F)

	Mean						Cooling Degree Days Base (above)						Heating Degree Days Base (above)				Mean Number of Days					
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	35.2	15.0	25.1	3.7	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	927.0	989.0	1082.0	1236.9	0.0	0.0	2.2	10.7	29.2	4.2
02	37.8	15.4	26.6	5.0	5.3	5.0	0.0	0.0	0.0	0.0	0.0	0.0	794.9	850.9	935.0	1075.1	0.0	0.0	4.8	8.2	26.0	3.3
03	48.8	22.7	35.8	4.3	3.5	3.7	1.0	0.3	0.0	0.0	0.0	0.0	598.0	659.2	751.9	906.8	0.0	0.0	16.3	3.3	26.1	1.1
04	56.3	28.2	42.3	3.9	2.5	2.9	6.3	3.4	1.1	0.1	0.0	0.0	388.6	445.7	533.5	682.5	0.0	0.0	21.3	1.2	21.1	0.2
05	66.8	37.1	52.0	4.4	2.0	3.0	64.1	43.1	21.7	4.2	0.4	0.2	158.6	199.7	271.3	408.8	0.0	0.2	28.4	0.0	7.5	0.0
06	79.6	45.4	62.5	4.6	2.0	3.1	244.0	194.3	128.9	51.2	12.6	5.9	19.0	29.3	53.9	126.2	0.2	5.4	29.7	0.0	0.3	0.0
07	89.0	53.0	71.0	3.4	2.5	2.8	496.2	434.8	343.6	199.7	82.6	48.8	0.5	1.1	2.8	13.8	0.9	16.8	31.0	0.0	0.0	0.0
08	86.7	51.4	69.0	2.6	2.5	2.3	438.2	378.3	290.9	156.9	57.6	32.0	2.9	4.9	10.5	31.4	0.1	13.0	31.0	0.0	0.0	0.0
09	75.6	42.2	58.9	3.3	2.6	2.6	176.5	136.6	85.6	30.5	6.4	2.6	59.6	79.7	118.7	213.5	0.0	2.4	29.2	0.1	2.8	0.0
10	59.7	30.9	45.3	4.8	3.1	3.7	21.9	12.8	4.9	0.6	0.1	0.0	322.5	375.4	460.5	611.3	0.0	0.0	24.5	1.1	16.7	0.2
11	45.9	22.0	34.0	5.7	4.1	4.7	1.3	0.4	0.0	0.0	0.0	0.0	632.9	692.0	781.6	931.5	0.0	0.0	12.3	5.0	24.4	1.5
12	34.7	14.8	24.8	3.4	4.3	3.7	0.0	0.0	0.0	0.0	0.0	0.0	937.4	999.4	1092.5	1247.6	0.0	0.0	2.9	11.7	28.9	4.1
Summary	59.7	31.5	45.6	4.1	3.1	3.4	1450	1204	877	443	160	90	4842	5326	6094	7485	1.2	37.8	233.6	41.3	183.0	14.6

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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	0.49	6.0	1.8	0.1	0.0	0.28	0.51	0.68
02	0.56	6.9	1.8	0.0	0.0	0.37	0.54	0.78
03	0.84	8.0	2.9	0.2	0.0	0.52	0.72	1.00
04	1.41	10.3	4.5	0.4	0.1	1.04	1.28	1.66
05	2.21	11.0	5.3	1.1	0.2	0.98	2.15	2.98
06	1.34	8.5	3.9	0.5	0.1	0.60	0.99	1.68
07	1.19	6.8	2.8	0.7	0.2	0.47	1.04	1.52
08	0.79	5.8	2.1	0.3	0.1	0.32	0.71	1.07
09	0.95	6.8	3.0	0.4	0.0	0.42	0.88	1.41
10	1.19	7.6	3.1	0.5	0.1	0.56	1.00	1.29
11	0.64	6.2	2.3	0.1	0.0	0.31	0.57	0.88
12	0.61	7.0	2.0	0.1	0.0	0.35	0.52	0.84
Summary	12.22	90.9	35.5	4.4	0.8	6.22	10.91	15.79

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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	6.1	3.1	0.9	0.2	0.0	17.2	8.0	3.0	0.0	4.90	10.20	12.90
02	10.90	7.5	3.3	1.1	0.4	0.1	12.1	5.7	2.1	0.4	6.50	10.80	12.70
03	10.30	6.8	3.2	0.8	0.4	0.1	6.1	1.7	0.9	0.0	6.50	9.30	14.10
04	10.50	6.0	3.2	1.3	0.4	0.0	3.0	1.1	0.7	0.2	5.50	7.60	14.60
05	2.60	1.6	0.7	0.3	0.1	0.0	0.6	0.2	0.0	0.0	0.00	0.90	4.40
06	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
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	1.50	0.5	0.4	0.2	0.1	0.0	0.2	0.1	0.1	0.0	0.00	0.00	1.10
10	7.00	3.8	1.9	0.7	0.3	0.1	2.0	0.6	0.4	0.1	3.10	5.10	10.40
11	8.90	5.6	2.9	1.0	0.3	0.0	6.8	2.8	0.9	0.1	3.60	8.70	13.30
12	11.00	7.6	3.5	1.1	0.5	0.0	16.3	7.7	2.6	0.0	5.70	11.20	15.90
Summary	71.8	45.5	22.2	7.4	2.7	0.3	64.4	27.9	10.7	0.8	35.8	63.8	99.4

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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	4.7	12.2	67.8	143.8	380.1	675.1	960.7	900.4	570.7	227.1	64.1	8.5
45	0.5	2.9	25.7	68.3	248.0	526.0	805.7	745.4	427.2	128.9	26.2	1.5
50	0.0	0.3	7.2	25.2	139.6	380.2	650.7	590.9	292.8	60.9	7.9	0.1
55	0.0	0.0	1.0	6.3	64.1	244.0	496.2	438.2	176.5	21.9	1.3	0.0
60	0.0	0.0	0.0	1.1	21.7	128.9	343.6	290.9	85.6	4.9	0.0	0.0
Growing Degree Units for Corn (Monthly)												
50/86	1.9	10.8	68.2	133.6	268.7	434.0	595.3	569.4	388.8	183.7	52.9	3.9

Growing Degree Units (Accumulated Monthly)

40	5	17	85	228	609	1284	2244	3145	3716	3943	4007	4015
45	0	3	29	97	345	871	1677	2422	2850	2979	3005	3006
50	0	0	8	33	172	552	1203	1794	2087	2148	2156	2156
55	0	0	1	7	71	315	812	1250	1426	1448	1450	1450
60	0	0	0	1	23	152	495	786	872	877	877	877
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	2	13	81	214	483	917	1512	2082	2471	2654	2707	2711

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

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