

Summary of Monthly Normals
1991-2020

Generated on 05/23/2024

Current Location: Elev: 6128 ft. Lat: 41.1519° N Lon: 104.8061° W

Station: CHEYENNE, WY US USW00024018

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	40.0	18.4	29.2	3.5	3.1	3.2	0.0	0.0	0.0	0.0	0.0	0.0	799.9	861.9	954.9	1109.9	0.0	0.0	6.3	7.1	28.9	2.5
02	40.6	18.4	29.5	4.4	4.1	4.1	0.1	0.0	0.0	0.0	0.0	0.0	713.8	769.8	853.8	993.8	0.0	0.0	7.0	6.9	26.0	1.8
03	49.1	25.1	37.1	4.2	3.1	3.5	1.3	0.5	0.0	0.0	0.0	0.0	556.4	617.5	710.0	865.0	0.0	0.0	15.9	3.2	25.3	0.4
04	54.8	30.8	42.8	3.9	2.5	3.0	7.3	3.6	1.1	0.0	0.0	0.0	373.2	429.5	517.0	666.0	0.0	0.0	20.3	1.4	18.0	0.0
05	64.4	40.2	52.3	3.9	2.0	2.8	69.9	47.0	23.1	4.3	0.4	0.2	153.7	192.7	261.8	398.1	0.0	0.1	27.3	0.0	5.0	0.0
06	76.7	49.4	63.1	4.3	2.3	3.1	258.4	208.1	140.4	56.1	13.2	5.9	17.0	26.7	49.0	114.7	0.0	2.1	29.7	0.0	0.1	0.0
07	84.1	56.1	70.1	3.1	2.0	2.5	468.7	407.4	316.9	175.2	65.0	35.2	0.7	1.5	3.9	17.2	0.0	7.8	31.0	0.0	0.0	0.0
08	82.0	54.3	68.1	3.0	1.9	2.3	409.9	349.8	262.1	130.1	38.1	18.2	2.4	4.2	9.5	32.6	0.0	4.3	31.0	0.0	0.0	0.0
09	73.3	45.8	59.6	3.6	2.4	2.8	189.4	147.4	93.6	32.3	5.1	1.6	53.0	71.0	107.2	195.9	0.0	0.6	29.1	0.1	1.2	0.0
10	59.1	33.9	46.5	4.4	3.1	3.6	25.9	15.2	5.4	0.5	0.0	0.0	289.3	340.6	423.9	573.9	0.0	0.0	23.9	1.1	12.8	0.2
11	47.5	24.7	36.1	5.1	3.2	4.1	1.5	0.4	0.0	0.0	0.0	0.0	568.4	627.4	717.0	867.0	0.0	0.0	14.3	4.4	24.2	0.7
12	39.3	18.1	28.7	3.2	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	815.0	877.1	970.1	1125.1	0.0	0.0	6.5	8.5	28.9	2.2
Summary	59.2	34.6	46.9	3.9	2.7	3.2	1432	1179	843	398	122	61	4343	4820	5578	6959	0.0	14.9	242.3	32.7	170.4	7.8

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	0.35	5.1	1.0	0.0	0.0	0.13	0.34	0.46	
02	0.52	6.9	1.7	0.1	0.0	0.33	0.50	0.71	
03	0.96	7.9	2.9	0.4	0.1	0.56	0.76	1.36	
04	1.79	10.6	4.3	0.9	0.2	0.92	1.51	2.55	
05	2.44	12.9	6.0	1.3	0.3	1.40	2.06	3.05	
06	2.16	10.7	4.9	1.3	0.4	1.47	2.05	2.73	
07	2.11	10.5	5.0	1.1	0.4	1.25	2.00	2.77	
08	1.52	10.3	4.0	0.7	0.2	0.80	1.35	1.86	
09	1.47	7.3	3.5	1.1	0.2	0.50	1.16	2.01	
10	1.00	7.1	3.2	0.4	0.0	0.53	0.80	1.28	
11	0.61	6.2	1.9	0.3	0.0	0.30	0.42	0.86	
12	0.48	6.0	1.8	0.1	0.0	0.28	0.49	0.59	
Summary	15.41	101.5	40.2	7.7	1.8	8.47	13.44	20.23	

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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	6.30	5.9	2.1	0.5	0.1	0.0	8.4	2.7	1.2	0.1	2.30	5.40	9.30
02	9.00	7.3	3.1	0.7	0.2	0.0	7.6	3.5	1.6	0.1	5.30	8.70	12.00
03	9.70	6.8	3.0	0.8	0.3	0.1	4.9	1.7	0.8	0.2	4.50	8.10	11.40
04	11.30	6.8	3.2	1.3	0.8	0.0	3.7	1.6	0.7	0.0	6.30	9.60	14.90
05	3.40	1.9	0.9	0.4	0.2	0.1	0.8	0.4	0.2	0.0	0.10	1.80	4.10
06	0.00	0.1	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	1.00	0.5	0.3	0.1	0.1	0.0	0.3	0.1	0.0	0.0	0.00	0.00	0.90
10	5.90	3.2	1.7	0.7	0.3	0.0	2.1	1.1	0.5	0.0	1.30	3.20	8.60
11	7.50	5.8	2.4	0.7	0.3	0.0	5.9	2.1	1.1	0.1	3.60	5.20	9.90
12	8.80	6.7	2.8	0.9	0.3	0.0	9.4	4.4	1.8	0.1	4.30	8.70	11.10
Summary	62.9	45.0	19.5	6.1	2.6	0.2	43.1	17.6	7.9	0.6	27.7	50.7	82.2

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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	15.7	19.5	80.5	160.4	392.9	691.5	932.7	872.5	589.5	254.8	80.0	17.8
45	3.5	5.0	30.9	78.7	261.1	542.3	777.8	717.5	444.9	149.7	33.6	3.9
50	0.5	1.0	8.7	29.2	150.5	395.7	622.9	563.0	309.1	72.2	10.2	0.5
55	0.0	0.1	1.3	7.3	69.9	258.4	468.7	409.9	189.4	25.9	1.5	0.0
60	0.0	0.0	0.0	1.1	23.1	140.4	316.9	262.1	93.6	5.4	0.0	0.0
Growing Degree Units for Corn (Monthly)												
50/86	13.3	19.1	71.1	120.0	237.6	420.8	596.5	553.5	367.0	175.6	64.1	14.9

Growing Degree Units (Accumulated Monthly)												
40	16	35	116	276	669	1360	2293	3166	3755	4010	4090	4108
45	4	8	39	118	379	922	1699	2417	2862	3011	3045	3049
50	0	2	10	39	190	586	1208	1772	2081	2153	2163	2163
55	0	0	1	9	79	337	806	1216	1405	1431	1432	1432
60	0	0	0	1	24	165	482	744	837	843	843	843
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	13	32	104	224	461	882	1478	2032	2399	2574	2639	2654

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

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