

Summary of Monthly Normals
1991-2020

Generated on 04/28/2024

Current Location: Elev: 6485 ft. Lat: 41.9861° N Lon: 110.0611° W
Station: FONTENELLE DAM, WY US USC00483396

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	28.5	-0.2	14.1	5.7	6.2	5.7	0.0	0.0	0.0	0.0	0.0	0.0	1266.4	1328.4	1421.4	1576.4	0.0	0.0	0.1	23.1	31.0	16.0
02	31.3	3.1	17.2	5.2	6.2	5.5	0.0	0.0	0.0	0.0	0.0	0.0	1058.2	1114.2	1198.3	1338.3	0.0	0.0	0.5	16.5	27.6	11.3
03	42.5	14.7	28.6	4.6	3.4	3.6	0.0	0.0	0.0	0.0	0.0	0.0	818.6	880.6	973.5	1128.5	0.0	0.0	6.6	7.3	30.6	2.8
04	52.3	21.2	36.8	4.2	3.1	3.3	0.7	0.2	0.0	0.0	0.0	0.0	548.2	607.6	697.5	847.5	0.0	0.0	15.6	1.4	27.9	0.0
05	62.7	31.0	46.9	4.0	2.7	3.0	18.7	10.3	3.3	0.2	0.0	0.0	271.4	325.0	411.0	562.9	0.0	0.0	25.7	0.2	16.6	0.0
06	74.0	38.4	56.2	4.3	2.2	2.8	116.5	83.8	45.8	9.7	1.5	0.6	80.6	107.8	159.8	273.7	0.0	0.5	29.2	0.0	5.9	0.0
07	83.3	44.8	64.1	3.6	3.0	3.2	290.0	234.4	158.1	60.1	10.3	3.2	9.7	16.0	32.6	89.6	0.0	2.6	31.0	0.0	1.0	0.0
08	81.5	43.1	62.3	2.9	2.4	2.4	239.6	186.2	116.6	36.1	4.4	1.2	13.4	22.0	45.3	119.8	0.0	0.9	31.0	0.0	2.1	0.0
09	71.1	33.8	52.5	3.0	2.5	2.2	61.3	38.9	17.0	2.4	0.1	0.0	137.8	175.5	243.6	378.9	0.0	0.1	28.8	0.1	13.2	0.0
10	56.8	22.5	39.6	3.9	3.3	2.9	2.4	0.9	0.2	0.0	0.0	0.0	478.2	538.8	631.0	785.9	0.0	0.0	20.9	1.3	26.8	0.3
11	40.8	10.4	25.6	5.4	4.7	4.6	0.0	0.0	0.0	0.0	0.0	0.0	882.0	942.0	1032.0	1182.0	0.0	0.0	6.3	8.8	29.4	5.0
12	28.8	-0.1	14.4	3.9	5.3	4.4	0.0	0.0	0.0	0.0	0.0	0.0	1259.9	1321.9	1415.0	1570.0	0.0	0.0	0.2	21.7	30.9	17.0
Summary	54.5	21.9	38.2	4.2	3.8	3.6	729	555	341	108	16	5	6824	7380	8261	9854	0.0	4.1	195.9	80.4	243.0	52.4

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	3.4	1.2	0.1	0.0	0.10	0.28	0.42
02	0.36	3.8	1.2	0.1	0.0	0.18	0.34	0.57
03	0.50	4.6	1.7	0.2	0.0	0.19	0.39	0.69
04	0.78	5.4	2.3	0.4	0.0	0.18	0.56	1.23
05	1.43	8.2	4.5	0.7	0.1	0.64	1.27	1.62
06	0.83	5.0	2.2	0.3	0.1	0.14	0.43	1.56
07	0.46	4.5	1.6	0.1	0.0	0.19	0.40	0.62
08	0.73	5.5	2.4	0.2	0.0	0.47	0.69	0.87
09	0.85	5.7	2.4	0.3	0.0	0.23	0.58	1.38
10	0.66	4.4	1.9	0.1	0.0	0.17	0.67	1.10
11	0.34	3.4	1.3	0.0	0.0	0.22	0.27	0.43
12	0.26	3.8	1.1	0.0	0.0	0.12	0.20	0.36
Summary	7.55	57.7	23.8	2.5	0.2	2.83	6.08	10.85

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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	5.40	2.8	2.2	0.7	0.1	0.0	20.3	10.4	5.5	2.8	0.50	3.00	6.30
02	6.60	2.9	2.4	0.7	0.2	0.0	20.2	14.6	6.6	1.7	2.50	6.50	9.40
03	3.80	1.7	1.4	0.6	0.2	0.0	8.4	4.4	2.2	1.0	0.70	2.60	5.90
04	2.20	1.0	1.0	0.4	0.1	0.0	0.7	0.1	0.0	0.0	0.00	1.00	3.00
05	0.60	0.2	0.2	0.1	0.0	0.0	0.1	0.0	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	0.00	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
10	1.30	0.7	0.6	0.2	0.0	0.0	0.8	0.3	0.2	0.0	0.00	0.00	1.00
11	2.10	1.9	1.5	0.3	0.0	0.0	5.4	3.3	0.6	0.0	0.00	1.00	3.20
12	4.50	3.3	2.6	0.3	0.1	0.0	18.1	8.9	5.1	0.7	2.00	3.90	6.00
Summary	26.5	14.6	11.9	3.3	0.7	0.0	74.0	42.0	20.2	6.2	5.7	18.0	34.8

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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	0.1	0.4	10.9	57.9	245.3	489.1	745.4	691.5	382.4	108.0	10.6	0.2
45	0.0	0.0	2.0	18.7	135.4	347.6	591.0	537.6	251.0	43.5	1.9	0.0
50	0.0	0.0	0.1	4.5	60.2	220.3	438.2	385.7	142.0	12.8	0.1	0.0
55	0.0	0.0	0.0	0.7	18.7	116.5	290.0	239.6	61.3	2.4	0.0	0.0
60	0.0	0.0	0.0	0.0	3.3	45.8	158.1	116.6	17.0	0.2	0.0	0.0
Growing Degree Units for Corn (Monthly)												
50/86	0.3	1.5	24.6	81.0	200.6	356.8	506.2	482.3	316.2	140.0	26.2	0.6

Growing Degree Units (Accumulated Monthly)												
40	0	0	11	69	315	804	1549	2241	2623	2731	2742	2742
45	0	0	2	21	156	504	1095	1632	1883	1927	1929	1929
50	0	0	0	5	65	285	723	1109	1251	1264	1264	1264
55	0	0	0	1	19	136	426	666	727	729	729	729
60	0	0	0	0	3	49	207	324	341	341	341	341
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	0	2	26	107	308	665	1171	1653	1970	2110	2136	2136

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

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