

Summary of Monthly Normals
1991-2020

Current Location: Elev: 6440 ft. Lat: 43.7728° N Lon: 111.0339° W
Station: ALTA 1 NNW, WY US USC00480140

Generated on 05/01/2024

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	29.0	11.8	20.4	2.9	4.2	3.5	0.0	0.0	0.0	0.0	0.0	0.0	1072.6	1134.6	1227.6	1382.6	0.0	0.0	0.1	19.6	30.9	4.6
02	32.0	13.5	22.7	3.6	4.3	3.8	0.0	0.0	0.0	0.0	0.0	0.0	902.8	958.9	1042.9	1183.0	0.0	0.0	0.3	14.5	27.5	3.7
03	40.0	20.8	30.4	3.4	3.3	3.2	0.0	0.0	0.0	0.0	0.0	0.0	762.7	824.7	917.7	1072.6	0.0	0.0	3.9	5.3	27.9	0.6
04	48.1	27.3	37.7	4.0	2.5	3.2	1.5	0.5	0.0	0.0	0.0	0.0	520.4	579.4	669.0	819.0	0.0	0.0	12.4	1.0	22.9	0.0
05	60.1	35.5	47.8	4.0	2.2	3.0	25.9	14.9	5.1	0.5	0.0	0.0	249.2	300.2	383.4	533.7	0.0	0.0	25.4	0.0	10.7	0.0
06	69.1	42.3	55.7	3.8	1.9	2.7	104.3	73.1	37.8	7.6	0.4	0.1	83.2	112.1	166.7	286.6	0.0	0.1	29.0	0.0	3.0	0.0
07	78.8	48.5	63.7	4.4	2.5	3.4	278.4	222.7	144.8	46.7	5.6	1.7	10.5	16.7	31.8	88.6	0.0	0.7	31.0	0.0	0.1	0.0
08	78.2	47.2	62.7	2.6	2.0	2.1	249.8	194.8	120.5	33.1	3.2	0.8	11.3	18.2	37.0	104.5	0.0	0.3	31.0	0.0	0.3	0.0
09	68.5	39.7	54.1	3.0	2.3	2.3	83.8	56.2	26.0	3.3	0.1	0.0	110.9	143.3	203.1	330.3	0.0	0.0	28.5	0.0	4.8	0.0
10	53.3	30.2	41.8	3.7	3.3	3.3	6.3	2.4	0.4	0.0	0.0	0.0	417.0	475.1	566.2	720.7	0.0	0.0	19.7	1.1	18.7	0.1
11	38.5	19.8	29.2	4.7	4.7	4.5	0.0	0.0	0.0	0.0	0.0	0.0	775.5	835.5	925.5	1075.5	0.0	0.0	5.2	9.7	26.8	1.4
12	28.3	11.7	20.0	2.6	3.4	2.8	0.0	0.0	0.0	0.0	0.0	0.0	1084.7	1146.8	1239.8	1394.9	0.0	0.0	0.1	20.7	30.4	5.8
Summary	52.0	29.0	40.5	3.6	3.1	3.1	750	565	335	91	9	3	6001	6546	7411	8992	0.0	1.1	186.6	71.9	204.0	16.2

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	2.49	9.3	8.1	1.1	0.1	1.80	2.38	3.05
02	1.84	7.8	6.3	0.7	0.0	1.16	1.68	2.40
03	2.10	8.7	7.1	1.0	0.1	1.35	2.00	2.67
04	2.49	9.2	7.7	1.3	0.1	1.86	2.31	2.81
05	3.01	9.9	8.4	1.7	0.3	1.96	3.16	3.86
06	2.31	8.0	6.4	1.5	0.2	1.20	2.18	2.92
07	1.38	5.1	4.1	0.7	0.2	0.72	1.17	1.73
08	1.38	6.0	4.6	0.8	0.0	0.67	1.36	1.74
09	1.85	6.2	5.1	1.3	0.2	0.99	1.67	2.38
10	2.06	6.9	6.2	0.8	0.3	1.27	1.91	2.52
11	1.93	7.9	6.5	0.7	0.0	1.34	1.89	2.66
12	2.14	8.6	7.5	0.9	0.0	1.52	1.78	2.58
Summary	24.98	93.6	78.0	12.5	1.5	15.84	23.49	31.32

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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	21.70	7.5	7.5	3.0	1.3	0.2	31.0	31.0	31.0	29.4	16.00	21.00	24.50
02	16.20	6.1	6.0	2.2	0.7	0.0	28.5	28.5	28.5	28.5	10.00	14.00	19.00
03	15.30	5.5	5.3	1.9	0.9	0.2	30.4	30.0	29.8	28.6	7.00	14.00	22.00
04	13.50	4.2	4.2	1.8	0.8	0.2	18.1	15.9	14.4	11.0	7.00	10.00	15.20
05	2.50	1.2	1.2	0.3	0.1	0.0	1.2	0.6	0.4	0.2	0.00	2.00	4.00
06	0.30	0.2	0.2	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	0.50	0.1	0.1	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.00	0.00	0.00
10	5.90	1.9	1.9	1.0	0.4	0.0	2.9	1.5	0.4	0.0	3.00	4.10	7.80
11	15.80	4.9	4.9	2.3	0.9	0.0	16.1	11.3	7.1	2.5	10.00	15.00	20.00
12	21.70	6.8	6.6	3.2	1.5	0.1	29.8	28.1	24.7	18.2	14.40	19.00	26.90
Summary	113.4	38.4	37.9	15.8	6.7	0.7	158.2	146.9	136.3	118.4	67.4	99.1	139.4

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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	0.1	1.1	10.1	65.0	264.0	472.7	733.0	703.6	429.0	144.2	22.0	0.3
45	0.0	0.1	1.3	24.5	152.3	331.2	578.6	548.9	293.0	69.4	6.0	0.0
50	0.0	0.0	0.1	7.6	72.9	204.5	425.8	396.1	174.8	26.7	0.7	0.0
55	0.0	0.0	0.0	1.5	25.9	104.3	278.4	249.8	83.8	6.3	0.0	0.0
60	0.0	0.0	0.0	0.0	5.1	37.8	144.8	120.5	26.0	0.4	0.0	0.0
Growing Degree Units for Corn (Monthly)												
50/86	0.1	0.5	7.3	47.7	172.5	294.3	464.6	450.2	284.3	102.1	16.5	0.1

Growing Degree Units (Accumulated Monthly)												
40	0	1	11	76	340	813	1546	2250	2679	2823	2845	2845
45	0	0	1	26	178	509	1088	1637	1930	1999	2005	2005
50	0	0	0	8	81	285	711	1107	1282	1308	1309	1309
55	0	0	0	2	27	132	410	660	744	750	750	750
60	0	0	0	0	5	43	188	308	334	335	335	335
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	0	1	8	56	228	522	987	1437	1722	1824	1840	1840

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