

Summary of Monthly Normals
1991-2020

Generated on 04/19/2024

Current Location: Elev: 8056 ft. Lat: 40.7442° N Lon: 106.2792° W

Station: WALDEN, CO US USC00058756

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	26.7	1.9	14.3	3.6	5.5	4.4	0.0	0.0	0.0	0.0	0.0	0.0	1261.7	1323.7	1416.7	1571.7	0.0	0.0	0.1	18.9	30.9	11.7
02	29.6	4.4	17.0	3.9	5.3	4.4	0.0	0.0	0.0	0.0	0.0	0.0	1063.9	1119.9	1203.9	1343.9	0.0	0.0	0.4	13.1	27.9	8.4
03	38.6	13.1	25.8	3.8	4.2	3.8	0.0	0.0	0.0	0.0	0.0	0.0	903.7	965.7	1058.7	1213.7	0.0	0.0	6.4	5.9	30.8	3.5
04	47.4	20.0	33.7	3.7	2.5	2.9	0.0	0.0	0.0	0.0	0.0	0.0	639.0	699.0	789.0	939.0	0.0	0.0	16.2	1.8	28.5	0.4
05	58.1	27.6	42.9	3.5	1.6	2.2	1.9	0.8	0.0	0.0	0.0	0.0	378.6	439.4	531.7	686.7	0.0	0.0	26.2	0.2	21.7	0.0
06	68.8	34.5	51.7	3.7	1.4	2.2	22.4	10.0	1.8	0.0	0.0	0.0	123.0	170.5	252.4	400.5	0.0	0.0	29.7	0.0	6.1	0.0
07	76.1	38.4	57.3	2.8	1.9	2.1	93.1	54.5	18.0	0.7	0.0	0.0	23.4	46.8	103.3	241.0	0.0	0.6	31.0	0.0	1.5	0.0
08	74.1	36.3	55.2	2.4	1.9	1.7	56.9	29.3	8.3	0.1	0.0	0.0	50.7	85.2	157.2	304.0	0.0	0.1	31.0	0.0	5.0	0.0
09	66.4	29.4	47.9	3.2	2.4	2.1	6.3	2.2	0.2	0.0	0.0	0.0	219.4	275.2	363.2	513.0	0.0	0.0	29.1	0.0	17.8	0.0
10	52.9	20.7	36.8	3.7	2.9	2.8	0.1	0.0	0.0	0.0	0.0	0.0	564.3	626.2	719.2	874.2	0.0	0.0	22.1	1.4	27.2	0.8
11	38.3	11.8	25.1	5.0	4.1	4.3	0.0	0.0	0.0	0.0	0.0	0.0	898.5	958.5	1048.5	1198.5	0.0	0.0	7.1	7.8	29.4	4.0
12	27.7	3.2	15.4	2.7	3.0	2.4	0.0	0.0	0.0	0.0	0.0	0.0	1226.0	1288.0	1381.0	1536.0	0.0	0.0	0.4	18.0	31.0	11.3
Summary	50.4	20.1	35.3	3.5	3.1	2.9	181	97	28	1	0	0	7352	7998	9025	10822	0.0	0.7	199.7	67.1	257.8	40.1

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	0.58	7.9	1.8	0.1	0.0	0.26	0.44	0.61	
02	0.64	8.1	2.3	0.0	0.0	0.43	0.57	0.79	
03	0.72	7.3	2.3	0.1	0.0	0.40	0.62	0.90	
04	1.14	9.4	3.5	0.3	0.0	0.74	1.12	1.37	
05	1.53	10.3	5.0	0.7	0.0	0.97	1.25	1.79	
06	1.21	7.7	3.4	0.5	0.1	0.35	0.91	1.73	
07	1.34	9.9	3.9	0.6	0.1	0.70	1.16	1.92	
08	1.27	10.6	4.1	0.6	0.0	0.86	1.10	1.48	
09	1.34	8.3	3.9	0.5	0.1	0.64	0.97	1.66	
10	0.98	7.3	3.1	0.2	0.0	0.57	1.02	1.35	
11	0.75	7.8	2.5	0.1	0.0	0.48	0.69	0.90	
12	0.62	8.3	1.9	0.1	0.0	0.33	0.62	0.91	
Summary	12.12	102.9	37.7	3.8	0.3	6.73	10.47	15.41	

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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	9.30	8.3	2.6	0.8	0.3	0.0	27.2	21.1	17.7	2.2	4.90	6.80	11.10
02	9.00	8.5	3.3	0.6	0.1	0.0	24.5	20.9	16.4	5.1	6.50	8.60	11.40
03	7.70	6.2	2.5	0.5	0.1	0.0	15.9	11.0	7.7	2.3	4.70	6.70	9.90
04	10.10	6.7	3.1	1.0	0.3	0.0	4.6	1.9	1.0	0.1	4.50	9.30	12.80
05	3.80	2.6	1.1	0.3	0.1	0.0	1.1	0.4	0.1	0.1	0.80	2.00	5.90
06	0.50	0.3	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	1.00	0.7	0.4	0.1	0.0	0.0	0.2	0.0	0.0	0.0	0.00	0.00	1.40
10	6.00	3.6	1.7	0.7	0.2	0.0	3.4	1.2	0.6	0.0	2.20	4.30	8.80
11	9.50	7.3	3.2	0.8	0.2	0.0	13.5	5.1	1.4	0.0	6.80	9.00	10.70
12	10.20	8.8	3.3	0.9	0.3	0.0	24.0	14.7	8.4	0.3	6.70	10.60	14.90
Summary	67.1	53.0	21.4	5.7	1.6	0.0	114.5	76.3	53.3	10.1	37.1	57.3	86.9

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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	0.0	0.1	2.4	22.7	140.6	351.6	534.6	471.1	250.2	54.3	3.6	0.0
45	0.0	0.0	0.1	3.7	53.9	211.2	379.9	317.3	126.3	12.9	0.4	0.0
50	0.0	0.0	0.0	0.2	11.5	92.8	227.3	171.1	41.7	1.3	0.0	0.0
55	0.0	0.0	0.0	0.0	1.9	22.4	93.1	56.9	6.3	0.1	0.0	0.0
60	0.0	0.0	0.0	0.0	0.0	1.8	18.0	8.3	0.2	0.0	0.0	0.0
Growing Degree Units for Corn (Monthly)												
50/86	0.0	0.1	8.6	46.3	147.3	283.4	403.7	373.2	250.2	98.0	13.1	0.2

Growing Degree Units (Accumulated Monthly)												
40	0	0	2	25	166	517	1052	1523	1773	1828	1831	1831
45	0	0	0	4	58	269	649	966	1092	1105	1106	1106
50	0	0	0	0	12	104	332	503	545	546	546	546
55	0	0	0	0	2	24	117	174	181	181	181	181
60	0	0	0	0	0	2	20	28	28	28	28	28
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	0	0	9	55	202	486	889	1263	1513	1611	1624	1624

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

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