

Summary of Monthly Normals
1991-2020

Generated on 05/22/2024

Current Location: Elev: 7618 ft. Lat: 40.0375° N Lon: 106.2039° W
Station: WILLIAMS FORK DAM, CO US USC00059096

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	25.9	0.1	13.0	4.6	5.2	4.8	0.0	0.0	0.0	0.0	0.0	0.0	1301.9	1363.9	1456.9	1611.9	0.0	0.0	0.2	21.5	31.0	17.2
02	31.1	3.7	17.4	4.4	5.3	4.6	0.0	0.0	0.0	0.0	0.0	0.0	1052.7	1108.7	1192.7	1332.7	0.0	0.0	0.5	13.9	27.9	12.6
03	42.3	14.6	28.5	4.0	3.8	3.7	0.0	0.0	0.0	0.0	0.0	0.0	823.1	885.1	978.1	1133.1	0.0	0.0	7.5	4.3	30.8	3.6
04	52.1	23.7	37.9	3.8	2.3	2.8	0.1	0.0	0.0	0.0	0.0	0.0	513.1	573.0	663.0	813.0	0.0	0.0	19.1	0.7	28.4	0.2
05	62.1	31.7	46.9	3.6	1.3	2.1	7.0	3.0	0.6	0.0	0.0	0.0	258.1	316.1	406.7	561.1	0.0	0.0	27.4	0.0	18.6	0.0
06	73.1	38.4	55.8	3.6	1.5	2.3	77.9	46.7	17.3	1.1	0.0	0.0	55.4	84.2	144.9	278.6	0.0	0.0	29.8	0.0	4.4	0.0
07	79.2	44.5	61.9	2.9	1.8	2.1	216.4	159.0	83.2	12.0	0.1	0.0	4.1	8.8	25.9	109.7	0.0	0.3	31.0	0.0	0.3	0.0
08	77.1	43.0	60.1	2.4	1.6	1.6	166.2	114.3	51.2	5.2	0.0	0.0	9.7	19.8	49.7	158.7	0.0	0.1	31.0	0.0	0.5	0.0
09	70.1	34.9	52.5	2.9	1.9	2.1	35.5	17.8	4.6	0.1	0.0	0.0	110.5	152.8	229.6	375.1	0.0	0.0	29.4	0.0	12.2	0.0
10	56.9	25.1	41.0	3.3	2.6	2.4	0.5	0.1	0.0	0.0	0.0	0.0	434.5	496.1	589.0	744.0	0.0	0.0	23.9	0.8	27.2	0.3
11	41.0	14.7	27.9	4.9	3.5	3.9	0.0	0.0	0.0	0.0	0.0	0.0	814.5	874.5	964.5	1114.5	0.0	0.0	8.1	6.3	29.7	3.0
12	28.2	3.5	15.8	3.5	3.8	3.4	0.0	0.0	0.0	0.0	0.0	0.0	1213.6	1275.6	1368.6	1523.6	0.0	0.0	0.8	19.5	31.0	14.0
Summary	53.3	23.2	38.2	3.7	2.9	3.0	504	341	157	18	0	0	6591	7159	8070	9756	0.0	0.4	208.7	67.0	242.0	50.9

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	1.00	10.1	3.9	0.1	0.0	0.71	0.90	1.32	
02	0.95	9.9	3.5	0.1	0.0	0.63	0.90	1.20	
03	0.98	8.0	3.6	0.2	0.0	0.57	0.92	1.24	
04	1.46	9.8	4.5	0.5	0.0	0.98	1.41	1.98	
05	1.53	9.7	4.5	0.7	0.0	1.05	1.39	2.03	
06	0.99	6.8	3.2	0.4	0.0	0.31	0.72	1.42	
07	1.44	9.4	4.8	0.6	0.0	0.69	1.23	2.13	
08	1.44	10.3	5.1	0.3	0.0	1.08	1.32	1.95	
09	1.40	8.3	4.2	0.6	0.1	0.87	1.19	2.02	
10	1.26	7.5	3.7	0.6	0.1	1.01	1.33	1.59	
11	0.92	8.4	3.6	0.1	0.0	0.70	0.93	1.13	
12	0.88	9.1	3.1	0.2	0.0	0.54	0.70	1.21	
Summary	14.25	107.3	47.7	4.4	0.2	9.14	12.94	19.22	

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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	14.20	7.6	7.0	1.4	0.6	0.0	30.9	29.2	27.8	15.4	9.50	13.20	16.20
02	13.60	7.7	6.8	1.5	0.5	0.1	28.5	28.2	27.5	20.5	8.00	12.00	18.40
03	10.40	5.5	4.9	1.1	0.4	0.0	27.3	24.0	20.7	13.2	5.40	9.50	14.40
04	11.90	4.8	4.6	1.6	0.7	0.1	9.8	4.7	3.1	1.0	4.70	10.20	18.90
05	2.70	1.3	1.2	0.3	0.2	0.0	1.2	0.3	0.2	0.0	0.00	1.00	4.10
06	0.10	0.1	0.1	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	0.30	0.2	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.00	0.00	0.00
10	4.80	2.3	2.1	0.7	0.3	0.0	3.3	1.1	0.5	0.0	1.00	3.00	8.20
11	9.90	5.8	5.2	1.2	0.3	0.0	14.8	7.1	2.3	0.1	5.50	8.90	13.90
12	13.30	7.2	5.9	1.4	0.4	0.1	27.8	21.9	15.5	2.8	7.70	11.50	20.10
Summary	81.2	42.5	37.9	9.2	3.4	0.3	143.7	116.5	97.6	53.0	41.8	69.3	114.2

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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	0.1	0.6	8.4	59.3	234.8	472.9	677.1	621.4	379.1	114.6	8.7	0.1
45	0.0	0.1	0.8	15.7	118.8	326.0	522.2	466.7	238.8	40.4	1.4	0.0
50	0.0	0.0	0.0	2.0	40.1	188.9	367.9	313.2	116.7	7.7	0.1	0.0
55	0.0	0.0	0.0	0.1	7.0	77.9	216.4	166.2	35.5	0.5	0.0	0.0
60	0.0	0.0	0.0	0.0	0.6	17.3	83.2	51.2	4.6	0.0	0.0	0.0
Growing Degree Units for Corn (Monthly)												
50/86	0.1	0.4	18.2	81.2	199.0	346.8	454.4	421.8	303.4	140.5	20.6	0.8

Growing Degree Units (Accumulated Monthly)												
40	0	1	9	68	303	776	1453	2075	2454	2568	2577	2577
45	0	0	1	17	135	461	984	1450	1689	1730	1731	1731
50	0	0	0	2	42	231	599	912	1029	1036	1037	1037
55	0	0	0	0	7	85	301	468	503	504	504	504
60	0	0	0	0	1	18	101	152	157	157	157	157
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	0	0	19	100	299	646	1100	1522	1825	1966	1986	1987

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