

Summary of Monthly Normals
1991-2020

Current Location: Elev: 6140 ft. Lat: 40.2844° N Lon: 108.6050° W
Station: **MASSADONA 3E, CO US USC00055422**
Generated on 05/21/2024

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	33.0	11.8	22.4	5.5	4.8	4.9	0.0	0.0	0.0	0.0	0.0	0.0	1010.5	1072.5	1165.5	1320.5	0.0	0.0	0.6	13.2	30.6	4.8
02	38.9	15.3	27.1	4.0	4.5	4.0	0.0	0.0	0.0	0.0	0.0	0.0	780.7	836.7	920.9	1060.9	0.0	0.0	2.9	6.3	27.5	2.1
03	50.8	25.8	38.3	3.6	2.6	2.8	0.6	0.1	0.0	0.0	0.0	0.0	518.6	580.1	672.9	827.9	0.0	0.0	16.0	1.1	26.1	0.2
04	59.2	32.0	45.6	3.4	2.1	2.6	9.6	4.1	0.9	0.0	0.0	0.0	291.4	345.9	432.8	581.9	0.0	0.0	23.4	0.3	18.1	0.0
05	68.7	41.3	55.0	3.7	1.4	2.4	99.1	69.5	35.3	8.8	1.6	0.6	99.1	131.5	190.3	318.7	0.0	0.3	29.7	0.1	4.1	0.0
06	81.6	49.7	65.7	4.1	2.7	3.4	328.3	274.6	199.6	95.6	29.1	14.6	8.9	15.2	30.2	76.1	0.0	3.4	29.9	0.0	0.2	0.0
07	88.3	56.9	72.6	3.5	2.0	2.6	545.1	483.3	391.4	242.5	113.4	74.5	0.0	0.2	1.1	7.2	1.0	13.7	31.0	0.0	0.0	0.0
08	86.0	54.8	70.4	2.3	2.1	1.8	477.7	416.2	325.3	180.0	64.5	36.3	0.5	1.0	3.1	12.7	0.1	6.3	31.0	0.0	0.0	0.0
09	76.5	46.3	61.4	3.0	2.1	2.2	219.4	172.2	110.1	37.4	6.8	2.8	27.6	40.4	68.2	145.5	0.0	0.5	29.7	0.0	1.2	0.0
10	62.1	34.9	48.5	3.6	1.7	2.4	26.0	14.5	4.2	0.1	0.0	0.0	227.4	278.0	360.7	511.6	0.0	0.0	26.5	0.4	12.9	0.1
11	46.7	24.0	35.4	5.4	3.3	4.0	0.8	0.4	0.1	0.0	0.0	0.0	590.4	650.0	739.7	889.6	0.0	0.0	11.6	3.6	27.8	0.9
12	33.7	12.0	22.8	3.7	2.7	3.0	0.0	0.0	0.0	0.0	0.0	0.0	996.0	1058.0	1151.3	1306.3	0.0	0.0	1.5	14.4	30.7	3.2
Summary	60.5	33.7	47.1	3.8	2.7	3.0	1707	1435	1067	564	215	129	4551	5010	5737	7059	1.1	24.2	233.8	39.4	179.2	11.3

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	1.09	7.5	3.8	0.3	0.1	0.75	1.06	1.34	
02	1.03	7.4	3.4	0.3	0.0	0.68	1.08	1.45	
03	1.25	6.6	3.3	0.4	0.1	0.73	1.18	1.62	
04	1.32	8.5	4.7	0.2	0.0	0.82	1.18	1.67	
05	1.59	8.0	4.8	0.6	0.0	1.07	1.49	2.20	
06	0.85	5.7	2.7	0.4	0.1	0.31	0.45	1.14	
07	0.97	4.9	2.3	0.5	0.1	0.47	0.80	1.24	
08	0.96	7.0	3.3	0.5	0.0	0.44	0.79	1.17	
09	1.56	6.7	3.8	1.2	0.2	0.93	1.46	2.07	
10	1.63	6.6	4.2	1.0	0.1	0.88	1.67	2.22	
11	1.04	5.7	3.4	0.4	0.0	0.77	1.00	1.29	
12	1.08	5.6	3.0	0.4	0.1	0.45	0.88	1.31	
Summary	14.37	80.2	42.7	6.2	0.8	8.30	13.04	18.72	

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U.S. Department of Commerce
National Oceanic & Atmospheric Administration
National Environmental Satellite, Data, and Information Service

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National Centers for Environmental Information
151 Patton Avenue
Asheville, North Carolina 28801

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	13.30	6.6	4.4	1.3	0.6	0.1					8.50	13.80	16.50
02	8.10	5.5	3.6	0.8	0.4	0.0					3.30	6.70	12.00
03	4.60	3.1	2.3	0.8	0.3	0.0					0.60	2.50	7.30
04	2.90	2.2	1.2	0.2	0.1	0.0					0.90	1.00	3.10
05	1.00	0.4	0.4	0.2	0.1	0.0					0.00	0.00	0.70
06	0.00	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					0.00	0.00	0.00
08	0.00	0.0	0.0	0.0	0.0	0.0					0.00	0.00	0.00
09	0.00	0.0	0.0	0.0	0.0	0.0					0.00	0.00	0.00
10	4.30	1.5	1.3	0.5	0.2	0.0					0.00	2.00	4.80
11	6.90	3.9	2.9	1.1	0.4	0.0					2.80	5.60	11.30
12	10.10	4.8	3.6	1.2	0.5	0.1					3.90	7.90	11.00
Summary	51.2	28.0	19.7	6.1	2.6	0.2	0.0	0.0	0.0	0.0	20.0	39.5	66.7

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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	1.2	4.3	80.9	199.8	468.8	769.4	1010.2	942.2	642.4	291.6	59.1	1.5
45	0.2	0.7	28.3	101.7	325.4	619.5	855.2	787.2	494.4	170.4	19.5	0.1
50	0.0	0.0	6.0	39.6	199.7	471.1	700.4	632.4	351.4	79.4	4.3	0.0
55	0.0	0.0	0.6	9.6	99.1	328.3	545.1	477.7	219.4	26.0	0.8	0.0
60	0.0	0.0	0.0	0.9	35.3	199.6	391.4	325.3	110.1	4.2	0.1	0.0
Growing Degree Units for Corn (Monthly)												
50/86	0.7	5.1	70.7	151.1	295.4	486.4	641.3	601.1	410.1	201.9	48.9	1.6

Growing Degree Units (Accumulated Monthly)												
40	1	6	86	286	755	1524	2535	3477	4119	4411	4470	4471
45	0	1	29	131	456	1076	1931	2718	3213	3383	3402	3403
50	0	0	6	46	245	716	1417	2049	2401	2480	2484	2484
55	0	0	1	10	109	438	983	1460	1680	1706	1707	1707
60	0	0	0	1	36	236	627	952	1063	1067	1067	1067
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	1	6	76	228	523	1009	1651	2252	2662	2864	2913	2914

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