

Summary of Monthly Normals
1991-2020

Generated on 04/27/2024

Current Location: Elev: 3814 ft. Lat: 38.0633° N Lon: 102.9297° W
Station: JOHN MARTIN DAM, CO US USC00054388

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	46.3	16.3	31.3	5.1	3.9	4.1	0.0	0.0	0.0	0.0	0.0	0.0	734.6	796.6	889.6	1044.6	0.0	0.0	13.4	4.7	30.6	2.4
02	50.3	19.9	35.1	6.3	3.5	4.6	0.5	0.1	0.0	0.0	0.0	0.0	557.5	613.1	697.1	837.1	0.0	0.0	15.3	3.7	26.9	1.1
03	60.8	28.9	44.8	4.2	3.1	3.3	21.6	13.7	6.7	1.3	0.1	0.0	336.3	390.4	476.4	626.0	0.0	0.0	24.7	1.0	22.4	0.0
04	69.0	37.7	53.3	3.9	2.3	2.8	85.5	60.1	31.4	7.2	0.9	0.3	134.9	169.5	230.9	356.7	0.0	0.6	27.5	0.1	8.5	0.0
05	78.7	48.1	63.4	4.0	1.9	2.7	288.7	238.9	170.7	83.6	31.1	18.8	28.3	40.4	65.2	133.2	0.3	5.8	30.5	0.0	0.8	0.0
06	90.4	58.8	74.6	3.7	2.4	2.9	588.5	529.3	441.1	299.5	174.2	131.4	0.7	1.5	3.3	11.6	4.9	17.7	30.0	0.0	0.0	0.0
07	94.7	64.0	79.4	2.9	2.0	2.3	754.7	692.7	599.7	445.9	295.7	238.2	0.0	0.0	0.0	1.1	9.3	24.2	31.0	0.0	0.0	0.0
08	92.2	62.2	77.2	3.4	1.9	2.5	688.4	626.7	534.1	381.5	235.5	182.1	0.4	0.6	1.1	3.4	5.6	20.9	31.0	0.0	0.0	0.0
09	84.8	52.7	68.8	3.8	2.9	3.1	422.3	366.7	287.4	169.6	80.8	55.0	9.9	14.4	25.0	57.2	1.2	12.2	29.8	0.0	0.2	0.0
10	71.8	38.0	54.9	3.9	3.0	3.1	114.1	84.1	49.1	14.6	2.7	1.2	117.1	149.1	207.1	327.6	0.0	2.0	29.1	0.4	8.9	0.0
11	58.1	26.6	42.4	5.6	3.1	4.0	9.9	5.4	2.0	0.3	0.0	0.0	389.5	445.0	531.5	679.8	0.0	0.0	22.1	1.0	24.1	0.4
12	46.5	17.5	32.0	4.4	3.0	3.4	0.2	0.1	0.0	0.0	0.0	0.0	712.8	774.8	867.8	1022.8	0.0	0.0	13.1	4.7	30.7	1.3
Summary	70.3	39.2	54.8	4.3	2.8	3.2	2974	2618	2122	1403	821	627	3022	3395	3995	5101	21.3	83.4	297.5	15.6	153.1	5.2

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	0.24	1.8	0.7	0.1	0.0	0.06	0.17	0.32	
02	0.28	2.1	0.9	0.1	0.0	0.04	0.22	0.36	
03	0.71	3.7	1.7	0.4	0.1	0.12	0.57	0.90	
04	1.23	4.5	2.6	0.6	0.1	0.48	0.94	1.70	
05	1.62	5.3	2.8	1.1	0.4	0.58	1.12	1.92	
06	1.92	5.6	3.5	1.0	0.5	0.66	1.88	2.38	
07	2.35	6.7	4.1	1.5	0.5	0.98	1.96	3.73	
08	2.05	5.7	3.3	1.4	0.6	0.97	1.98	2.72	
09	1.02	4.3	2.1	0.7	0.2	0.52	0.93	1.47	
10	0.98	3.6	2.0	0.6	0.1	0.20	0.75	1.32	
11	0.39	2.1	0.8	0.1	0.0	0.05	0.22	0.63	
12	0.36	2.1	0.8	0.1	0.1	0.05	0.12	0.27	
Summary	13.15	47.5	25.3	7.7	2.6	4.71	10.86	17.72	

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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	1.70	0.8	0.5	0.1	0.0	0.0	1.1	0.4	0.0	0.0	0.00	1.10	2.70
02	2.40	0.9	0.5	0.2	0.1	0.0	1.2	0.5	0.2	0.0	0.00	0.10	4.50
03	1.40	0.4	0.2	0.1	0.1	0.0	0.6	0.4	0.2	0.0	0.00	0.00	1.80
04	0.20	0.2	0.1	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.00	0.00	0.00
05	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
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
10	0.20	0.2	0.1	0.0	0.0	0.0	0.3	0.1	0.0	0.0	0.00	0.00	0.00
11	0.90	0.4	0.3	0.1	0.0	0.0	0.6	0.1	0.0	0.0	0.00	0.00	1.50
12	2.90	0.9	0.5	0.1	0.1	0.0	1.2	0.6	0.5	0.2	0.00	1.20	3.70
Summary	9.7	3.8	2.2	0.6	0.3	0.0	5.2	2.1	0.9	0.2	0.0	2.4	14.2

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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	24.4	53.8	217.0	412.7	725.7	1037.7	1219.6	1153.0	862.4	474.8	158.4	29.3
45	5.9	20.2	121.4	281.4	572.4	887.8	1064.7	998.1	713.6	335.3	81.6	8.0
50	0.9	5.5	57.4	169.8	425.5	738.0	909.7	843.1	566.1	211.9	33.4	1.6
55	0.0	0.5	21.6	85.5	288.7	588.5	754.7	688.4	422.3	114.1	9.9	0.2
60	0.0	0.0	6.7	31.4	170.7	441.1	599.7	534.1	287.4	49.1	2.0	0.0
Growing Degree Units for Corn (Monthly)												
50/86	54.5	81.2	197.7	291.3	452.7	643.8	763.8	730.2	537.9	343.4	159.3	55.2

Growing Degree Units (Accumulated Monthly)												
40	24	78	295	708	1434	2471	3691	4844	5706	6181	6339	6369
45	6	26	148	429	1001	1889	2954	3952	4666	5001	5082	5090
50	1	6	64	234	659	1397	2307	3150	3716	3928	3961	3963
55	0	0	22	108	396	985	1740	2428	2850	2964	2974	2974
60	0	0	7	38	209	650	1250	1784	2071	2120	2122	2122
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	54	136	333	625	1077	1721	2485	3215	3753	4096	4256	4311

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