

Summary of Monthly Normals
1991-2020

Generated on 05/22/2024

Current Location: Elev: 5180 ft. Lat: 40.9319° N Lon: 103.8678° W

Station: NEW RAYMER 21 N, CO US USC00055934

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	40.7	13.9	27.3	4.3	3.2	3.5	0.0	0.0	0.0	0.0	0.0	0.0	858.7	920.7	1013.7	1168.7	0.0	0.0	6.8	8.6	30.6	4.0
02	42.3	15.0	28.7	5.9	4.6	5.1	0.0	0.0	0.0	0.0	0.0	0.0	737.6	793.5	877.6	1017.6	0.0	0.0	8.1	7.5	27.4	2.7
03	51.9	22.6	37.2	4.5	3.0	3.5	1.7	0.7	0.1	0.0	0.0	0.0	552.1	613.1	705.5	860.3	0.0	0.0	17.8	3.6	28.3	0.8
04	59.0	29.2	44.1	3.5	2.4	2.7	11.8	6.3	2.1	0.3	0.0	0.0	338.8	393.3	479.1	627.2	0.0	0.0	22.3	1.5	20.7	0.0
05	68.5	39.1	53.8	4.3	2.2	2.9	93.6	66.9	36.5	9.9	1.9	0.8	130.9	166.2	228.7	357.1	0.0	0.3	28.3	0.1	6.9	0.0
06	80.3	49.1	64.7	4.4	2.5	3.2	305.4	253.2	180.6	84.2	26.3	14.7	14.5	22.3	39.7	93.2	0.2	4.6	29.8	0.0	0.2	0.0
07	87.5	55.4	71.5	3.3	1.8	2.3	510.3	448.9	357.8	213.4	94.5	59.4	0.5	1.1	3.1	13.7	0.4	12.5	31.0	0.0	0.0	0.0
08	85.5	53.1	69.3	2.9	2.0	2.2	445.4	385.0	296.4	160.6	58.1	32.4	2.2	3.8	8.3	27.4	0.1	8.5	31.0	0.0	0.0	0.0
09	76.6	44.3	60.5	3.4	2.1	2.5	209.4	166.5	110.0	42.4	10.0	4.5	46.1	63.1	96.5	179.0	0.0	2.2	29.0	0.0	2.4	0.0
10	62.4	31.8	47.1	4.3	2.9	3.3	30.8	18.8	8.0	1.0	0.0	0.0	275.7	325.7	407.9	555.8	0.0	0.0	24.8	0.9	16.5	0.0
11	49.8	21.5	35.6	5.5	3.0	3.9	1.5	0.7	0.2	0.0	0.0	0.0	582.0	641.1	730.7	880.5	0.0	0.0	15.0	4.4	27.8	1.1
12	40.7	14.2	27.4	3.9	3.4	3.5	0.0	0.0	0.0	0.0	0.0	0.0	853.8	915.8	1008.8	1163.8	0.0	0.0	7.3	8.8	30.6	3.7
Summary	62.1	32.4	47.3	4.2	2.8	3.2	1610	1347	992	512	191	112	4393	4860	5600	6944	0.7	28.1	251.2	35.4	191.4	12.3

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	0.27	3.9	0.8	0.0	0.0	0.12	0.25	0.38	
02	0.42	5.2	1.4	0.0	0.0	0.20	0.34	0.57	
03	0.93	6.1	2.6	0.5	0.0	0.53	0.65	1.25	
04	1.87	9.2	4.3	1.0	0.3	0.87	1.61	2.42	
05	2.82	11.8	6.4	1.6	0.5	1.77	2.47	3.51	
06	2.35	10.0	5.9	1.2	0.3	1.45	2.17	3.07	
07	2.40	9.9	5.2	1.2	0.5	1.34	2.53	3.11	
08	2.14	9.0	4.8	1.2	0.3	1.28	2.08	2.81	
09	1.51	7.5	3.4	0.9	0.2	0.69	1.31	1.99	
10	1.26	6.5	2.9	0.8	0.2	0.56	0.97	1.68	
11	0.57	4.6	1.9	0.1	0.0	0.34	0.46	0.77	
12	0.44	3.9	1.6	0.0	0.0	0.26	0.28	0.45	
Summary	16.98	87.6	41.2	8.5	2.3	9.41	15.12	22.01	

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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	4.60	4.0	1.6	0.3	0.1	0.0	10.8	5.2	3.6	0.3	2.20	3.20	6.50
02	6.40	5.0	2.5	0.4	0.1	0.0	9.5	4.1	1.8	0.2	3.30	5.20	8.60
03	6.30	4.1	2.1	0.6	0.3	0.0	5.1	2.1	0.7	0.0	3.60	5.40	8.40
04	5.60	3.5	1.8	0.6	0.1	0.0	3.0	1.2	0.4	0.0	2.50	4.50	6.40
05	1.70	0.7	0.4	0.2	0.1	0.0	0.5	0.3	0.1	0.0	0.00	0.00	1.50
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	0.60	0.3	0.2	0.1	0.0	0.0	0.2	0.1	0.0	0.0	0.00	0.00	0.00
10	4.20	1.9	1.2	0.5	0.3	0.0	1.9	1.2	0.7	0.2	0.00	2.50	5.40
11	6.20	3.7	2.0	0.7	0.3	0.0	6.2	2.5	1.0	0.0	3.20	5.30	7.90
12	6.60	4.2	2.3	0.6	0.3	0.0	10.3	4.9	2.7	0.6	3.40	5.40	6.50
Summary	42.2	27.4	14.1	4.0	1.6	0.0	47.5	21.6	11.0	1.3	18.2	31.5	51.2

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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	10.4	18.9	87.7	189.0	435.4	740.9	974.5	908.1	615.6	269.8	74.8	13.4
45	2.2	4.9	34.9	99.4	298.5	591.7	819.5	753.1	470.0	161.9	30.2	2.8
50	0.4	0.8	9.7	40.7	182.5	444.9	664.7	598.6	332.0	80.6	8.8	0.3
55	0.0	0.0	1.7	11.8	93.6	305.4	510.3	445.4	209.4	30.8	1.5	0.0
60	0.0	0.0	0.1	2.1	36.5	180.6	357.8	296.4	110.0	8.0	0.2	0.0
Growing Degree Units for Corn (Monthly)												
50/86	22.5	32.9	103.8	169.6	293.8	461.5	606.4	569.5	400.6	217.2	88.1	25.6

Growing Degree Units (Accumulated Monthly)												
40	10	29	117	306	741	1482	2457	3365	3980	4250	4325	4338
45	2	7	42	141	440	1032	1851	2604	3074	3236	3266	3269
50	0	1	11	52	234	679	1344	1942	2274	2355	2364	2364
55	0	0	2	14	107	412	923	1368	1578	1608	1610	1610
60	0	0	0	2	39	219	577	874	984	992	992	992
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	22	55	159	329	623	1084	1690	2260	2661	2878	2966	2991

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