

Summary of Monthly Normals
1991-2020

Generated on 06/03/2024

Current Location: Elev: 120 ft. Lat: 37.9983° N Lon: 122.5372° W

Station: **SAN RAFAEL CIVIC CTR, CA US USC00047880**

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	56.9	42.6	49.8	2.8	2.5	2.1	7.2	2.3	0.3	0.0	0.0	0.0	170.0	227.1	318.0	472.7	0.0	0.0	26.7	0.0	1.0	0.0
02	61.1	44.0	52.5	3.1	2.3	2.1	26.1	12.4	2.7	0.1	0.0	0.0	94.7	137.0	211.3	348.7	0.0	0.0	27.3	0.0	0.4	0.0
03	64.8	45.5	55.2	3.8	1.9	2.6	61.8	34.7	11.5	1.0	0.1	0.0	57.2	92.1	161.9	306.4	0.0	0.0	30.9	0.0	0.0	0.0
04	67.8	47.5	57.7	2.8	1.7	2.1	107.0	70.8	34.1	7.9	1.0	0.2	27.5	51.3	104.6	228.4	0.0	0.1	30.0	0.0	0.0	0.0
05	72.0	50.6	61.3	3.9	1.8	2.7	202.0	149.5	87.9	30.8	8.6	4.7	6.7	16.2	47.5	145.5	0.0	1.3	31.0	0.0	0.0	0.0
06	77.9	53.5	65.7	2.4	1.2	1.5	321.3	262.1	177.9	75.1	27.8	17.5	0.4	1.2	6.9	54.1	0.4	3.7	30.0	0.0	0.0	0.0
07	80.9	54.9	67.9	2.4	1.3	1.6	399.9	337.9	245.5	108.8	33.7	20.1	0.0	0.0	0.6	18.9	0.5	4.4	31.0	0.0	0.0	0.0
08	81.3	55.5	68.4	2.0	1.7	1.5	415.4	353.4	260.9	119.1	34.2	18.4	0.0	0.0	0.5	13.8	0.3	4.4	31.0	0.0	0.0	0.0
09	80.7	54.4	67.6	2.3	1.9	1.9	376.5	316.6	228.2	101.4	32.9	19.2	0.0	0.1	1.8	25.0	0.2	4.7	30.0	0.0	0.0	0.0
10	74.9	51.4	63.2	3.1	1.6	2.0	254.1	195.7	120.4	40.2	9.2	4.6	1.5	5.1	22.8	97.6	0.1	1.2	31.0	0.0	0.0	0.0
11	64.6	46.0	55.3	2.5	1.9	2.0	63.9	37.4	14.3	1.8	0.1	0.0	54.9	88.4	155.3	292.8	0.0	0.0	29.9	0.0	0.2	0.0
12	57.1	42.1	49.6	2.3	3.0	2.2	9.6	4.1	0.7	0.0	0.0	0.0	176.9	233.3	323.0	477.3	0.0	0.0	28.3	0.0	1.4	0.0
Summary	70.0	49.0	59.5	2.8	1.9	2.0	2245	1777	1184	486	148	85	590	852	1354	2481	1.5	19.8	357.1	0.0	3.0	0.0

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	7.13	12.5	9.0	4.7	2.6	2.25	5.80	11.06	
02	6.94	11.1	7.8	4.7	2.7	2.17	7.01	10.49	
03	4.42	10.2	7.2	3.3	1.4	1.12	2.75	6.76	
04	1.99	6.3	3.5	1.3	0.5	0.86	1.56	2.58	
05	0.94	3.1	1.9	0.6	0.2	0.01	0.41	1.46	
06	0.15	1.3	0.6	0.0	0.0	0.00	0.01	0.19	
07	0.00	0.1	0.0	0.0	0.0	0.00	0.00	0.00	
08	0.05	0.1	0.1	0.1	0.0	0.00	0.00	0.00	
09	0.07	0.7	0.2	0.0	0.0	0.00	0.00	0.10	
10	1.46	3.9	2.1	1.0	0.4	0.18	0.74	2.06	
11	3.49	7.4	4.8	2.3	1.0	1.26	3.05	3.99	
12	7.81	11.8	8.3	4.2	2.5	3.61	5.12	12.91	
Summary	34.45	68.5	45.5	22.2	11.3	11.46	26.45	51.60	

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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	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
02	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
03	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
04	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
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	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
11	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
12	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
Summary	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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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	303.2	351.4	469.6	529.5	660.3	770.9	864.9	880.4	826.5	717.6	459.0	299.3
45	158.5	214.0	315.3	379.5	505.3	620.9	709.9	725.4	676.5	562.6	310.1	157.2
50	52.1	95.5	170.3	231.4	350.6	470.9	554.9	570.4	526.5	407.6	170.0	51.4
55	7.2	26.1	61.8	107.0	202.0	321.3	399.9	415.4	376.5	254.1	63.9	9.6
60	0.3	2.7	11.5	34.1	87.9	177.9	245.5	260.9	228.2	120.4	14.3	0.7
Growing Degree Units for Corn (Monthly)												
50/86	115.7	160.0	234.4	276.3	362.6	456.8	534.2	550.3	507.1	417.0	229.2	119.6

Growing Degree Units (Accumulated Monthly)												
40	303	655	1124	1654	2314	3085	3950	4830	5657	6374	6833	7133
45	158	372	688	1067	1573	2194	2903	3629	4305	4868	5178	5335
50	52	148	318	549	900	1371	1926	2496	3023	3430	3600	3652
55	7	33	95	202	404	725	1125	1541	1917	2171	2235	2245
60	0	3	14	49	136	314	560	821	1049	1169	1184	1184
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	116	276	510	786	1149	1606	2140	2690	3197	3614	3844	3963

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