

Summary of Monthly Normals
1991-2020

Generated on 06/04/2024

Current Location: Elev: 20 ft. Lat: 37.9192° N Lon: 122.3772° W
Station: RICHMOND, CA US USC00047414

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	58.2	44.1	51.1	2.5	2.5	2.1	9.6	2.3	0.3	0.0	0.0	0.0	128.9	183.7	274.6	429.3	0.0	0.0	30.2	0.0	0.1	0.0
02	61.3	45.9	53.6	3.3	2.3	2.4	32.3	16.5	4.5	0.0	0.0	0.0	71.5	111.7	183.7	319.2	0.0	0.0	27.8	0.0	0.0	0.0
03	64.1	47.4	55.8	3.2	2.1	2.5	66.8	37.6	12.9	1.9	0.1	0.0	43.5	76.4	144.6	288.7	0.0	0.0	31.0	0.0	0.0	0.0
04	67.2	49.3	58.2	2.4	1.7	1.9	111.8	71.0	32.0	8.2	1.3	0.4	14.3	33.5	84.5	210.7	0.0	0.2	30.0	0.0	0.0	0.0
05	69.0	52.0	60.5	3.0	1.6	2.1	173.5	118.6	58.8	16.5	3.8	1.8	3.0	10.1	43.3	155.9	0.0	0.4	31.0	0.0	0.0	0.0
06	71.9	54.1	63.0	2.3	1.2	1.6	240.0	181.1	101.7	28.7	8.0	5.2	0.0	1.1	11.8	88.7	0.1	0.7	30.0	0.0	0.0	0.0
07	70.8	55.2	63.0	1.9	1.4	1.5	248.0	186.4	100.5	23.0	2.9	1.0	0.0	0.4	7.5	85.0	0.0	0.2	31.0	0.0	0.0	0.0
08	72.2	55.9	64.0	2.0	1.7	1.6	280.5	218.7	129.4	35.4	8.5	4.8	0.0	0.1	3.8	64.9	0.1	0.7	31.0	0.0	0.0	0.0
09	74.7	56.2	65.4	3.3	1.8	2.4	313.5	253.6	166.9	61.6	17.5	10.3	0.0	0.1	3.5	48.1	0.2	2.0	30.0	0.0	0.0	0.0
10	72.8	53.7	63.3	2.5	1.5	1.8	256.5	196.8	119.0	38.6	9.4	4.9	0.8	3.1	18.3	92.9	0.0	1.0	31.0	0.0	0.0	0.0
11	64.8	48.7	56.7	2.5	2.2	2.1	82.8	49.9	20.5	3.2	0.4	0.2	30.3	57.4	118.0	250.7	0.0	0.0	30.0	0.0	0.0	0.0
12	58.2	44.4	51.3	1.9	2.3	1.7	10.4	3.5	0.6	0.0	0.0	0.0	125.1	180.2	270.2	424.7	0.0	0.0	30.3	0.0	0.2	0.0
Summary	67.1	50.6	58.8	2.6	1.9	2.0	1826	1336	747	217	52	29	417	658	1164	2459	0.4	5.2	363.3	0.0	0.3	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	4.83	10.0	7.5	3.3	1.6	1.76	3.67	7.76	
02	4.76	9.2	7.5	3.5	1.0	1.39	4.24	7.06	
03	3.17	9.3	6.9	2.8	1.0	0.89	2.51	4.55	
04	1.57	5.5	3.9	1.2	0.2	0.56	1.30	2.18	
05	0.72	3.3	1.9	0.5	0.0	0.01	0.35	1.14	
06	0.27	1.2	0.6	0.2	0.1	0.00	0.01	0.20	
07	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00	
08	0.07	0.1	0.1	0.0	0.0	0.00	0.00	0.00	
09	0.03	0.4	0.1	0.0	0.0	0.00	0.00	0.03	
10	1.42	2.7	1.6	0.8	0.4	0.41	0.70	1.96	
11	2.67	6.3	4.3	1.6	0.6	1.28	1.98	3.17	
12	4.90	9.8	7.8	3.8	1.5	1.93	3.64	7.89	
Summary	24.41	57.8	42.2	17.7	6.4	8.23	18.40	35.94	

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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	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	345.8	380.8	488.3	547.5	635.5	690.0	713.0	745.5	763.5	720.7	502.5	350.7
45	195.1	241.3	333.4	397.5	480.5	540.0	558.0	590.5	613.5	565.7	352.6	199.1
50	69.8	113.8	184.0	248.0	325.5	390.0	403.0	435.5	463.5	410.7	205.9	72.4
55	9.6	32.3	66.8	111.8	173.5	240.0	248.0	280.5	313.5	256.5	82.8	10.4
60	0.3	4.5	12.9	32.0	58.8	101.7	100.5	129.4	166.9	119.0	20.5	0.6
Growing Degree Units for Corn (Monthly)												
50/86	132.2	164.2	228.3	274.4	330.7	386.6	402.2	432.2	455.9	410.7	240.7	132.7
Growing Degree Units (Accumulated Monthly)												
40	346	727	1215	1762	2398	3088	3801	4546	5310	6031	6533	6884
45	195	436	770	1167	1648	2188	2746	3336	3950	4516	4868	5067
50	70	184	368	616	941	1331	1734	2170	2633	3044	3250	3322
55	10	42	109	220	394	634	882	1162	1476	1732	1815	1826
60	0	5	18	50	108	210	311	440	607	726	746	747
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	132	296	525	799	1130	1516	1919	2351	2807	3217	3458	3591

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