

Summary of Monthly Normals
1991-2020

Current Location: Elev: 4850 ft. Lat: 39.8053° N Lon: 120.4719° W
Station: **PORTOLA, CA US USC00047085**
Generated on 06/03/2024

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	43.0	19.3	31.1	5.0	4.1	3.9	0.0	0.0	0.0	0.0	0.0	0.0	739.4	801.4	894.4	1049.4	0.0	0.0	8.0	3.8	29.8	1.0
02	46.0	21.4	33.7	5.5	3.4	3.8	0.0	0.0	0.0	0.0	0.0	0.0	596.3	652.3	736.4	876.4	0.0	0.0	10.1	1.4	26.6	0.3
03	51.6	25.3	38.4	4.9	2.2	3.3	0.0	0.0	0.0	0.0	0.0	0.0	513.1	575.1	668.1	823.1	0.0	0.0	17.6	0.4	27.6	0.0
04	57.7	29.1	43.4	4.0	1.8	2.5	1.8	0.6	0.1	0.0	0.0	0.0	349.8	408.5	498.1	648.0	0.0	0.0	22.6	0.1	22.1	0.0
05	67.0	35.1	51.0	4.9	1.9	3.1	41.8	25.4	10.3	1.3	0.0	0.0	164.3	209.9	287.7	433.8	0.0	0.1	29.1	0.0	11.2	0.0
06	77.2	40.1	58.7	3.7	1.7	2.3	147.7	107.2	59.5	17.1	3.5	1.5	38.2	57.7	100.0	207.6	0.0	2.1	29.8	0.0	2.6	0.0
07	86.4	44.6	65.5	3.1	2.1	2.4	326.9	266.9	182.4	72.9	17.9	8.0	1.6	3.7	12.1	57.5	0.2	10.6	31.0	0.0	0.0	0.0
08	85.2	42.6	63.9	2.4	2.0	1.8	278.1	219.3	139.4	46.5	9.2	3.5	2.3	5.5	18.5	80.6	0.0	7.2	31.0	0.0	0.5	0.0
09	78.8	37.1	58.0	2.9	1.9	2.0	129.6	90.0	43.9	6.1	0.5	0.1	41.2	61.6	105.4	217.6	0.0	1.6	29.9	0.0	5.6	0.0
10	66.4	29.7	48.1	3.8	2.4	2.5	16.5	8.5	2.2	0.0	0.0	0.0	231.9	285.9	372.6	525.4	0.0	0.1	28.6	0.0	22.2	0.0
11	52.5	24.1	38.3	4.7	2.4	3.2	0.0	0.0	0.0	0.0	0.0	0.0	501.0	561.0	651.0	801.0	0.0	0.0	18.1	0.7	27.1	0.1
12	42.1	19.4	30.7	2.9	3.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	751.6	813.6	906.7	1061.7	0.0	0.0	6.3	3.4	29.1	0.8
Summary	62.8	30.7	46.7	4.0	2.5	2.8	942	718	438	144	31	13	3931	4436	5251	6782	0.2	21.7	262.1	9.8	204.4	2.2

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	4.16	8.7	6.4	2.9	1.3	0.77	2.94	5.81
02	3.93	8.5	6.4	3.0	0.9	1.19	3.48	6.29
03	3.57	8.1	5.9	2.3	0.9	1.56	2.80	4.39
04	1.55	6.0	4.0	1.0	0.3	0.74	1.13	2.12
05	1.15	5.7	3.5	0.5	0.0	0.41	0.85	1.62
06	0.52	2.6	1.5	0.1	0.0	0.07	0.28	0.90
07	0.34	1.0	0.6	0.1	0.1	0.00	0.08	0.42
08	0.30	1.2	0.7	0.1	0.0	0.00	0.01	0.46
09	0.44	1.8	1.4	0.2	0.0	0.00	0.15	0.53
10	1.07	3.5	2.4	0.6	0.2	0.23	0.59	1.47
11	2.03	6.2	4.5	1.3	0.4	1.28	1.91	2.55
12	4.28	8.4	6.5	3.2	1.4	2.23	3.09	5.99
Summary	23.34	61.7	43.8	15.3	5.5	8.48	17.31	32.55

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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	11.70	1.9	1.7	1.0	0.8	0.2	8.9	6.8	5.4	4.2	0.00	0.30	13.80
02	7.60	1.7	1.4	0.8	0.6	0.3	6.0	5.1	4.0	2.6	0.00	0.00	9.30
03	6.40	1.5	1.3	0.6	0.4	0.2	5.2	3.5	2.9	1.6	0.00	0.00	3.50
04	1.80	0.7	0.6	0.2	0.1	0.0	0.7	0.3	0.2	0.0	0.00	0.00	1.50
05	0.20	0.2	0.1	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	0.10	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
10	0.40	0.2	0.1	0.1	0.0	0.0	0.2	0.1	0.0	0.0	0.00	0.00	0.00
11	2.40	1.0	0.8	0.4	0.1	0.0	1.2	0.8	0.5	0.5	0.00	0.00	1.00
12	7.20	2.2	1.8	0.9	0.5	0.3	6.4	3.6	2.6	0.9	0.00	0.70	8.80
Summary	37.8	9.5	7.9	4.0	2.5	1.0	28.6	20.2	15.6	9.8	0.0	1.0	37.9

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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	4.6	15.6	60.5	143.5	346.4	559.6	790.3	740.9	538.9	263.0	61.4	5.8
45	0.4	1.9	13.8	58.5	211.8	411.6	635.3	585.9	391.5	139.5	17.0	0.6
50	0.0	0.1	1.2	15.0	108.1	270.4	480.5	431.1	251.5	55.7	2.0	0.0
55	0.0	0.0	0.0	1.8	41.8	147.7	326.9	278.1	129.6	16.5	0.0	0.0
60	0.0	0.0	0.0	0.1	10.3	59.5	182.4	139.4	43.9	2.2	0.0	0.0
Growing Degree Units for Corn (Monthly)												
50/86	15.2	31.0	78.6	137.8	265.8	400.6	530.8	521.4	425.0	259.6	82.0	10.9
Growing Degree Units (Accumulated Monthly)												
40	5	20	81	224	571	1130	1920	2661	3200	3463	3525	3530
45	0	2	16	75	286	698	1333	1919	2311	2450	2467	2468
50	0	0	1	16	124	395	875	1306	1558	1614	1616	1616
55	0	0	0	2	44	191	518	796	926	942	942	942
60	0	0	0	0	10	70	252	392	436	438	438	438
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	15	46	125	263	528	929	1460	1981	2406	2666	2748	2759

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