

Summary of Monthly Normals
1991-2020

Generated on 05/20/2024

Current Location: Elev: 864 ft. Lat: 34.1483° N Lon: 118.1447° W
Station: PASADENA, CA US USC00046719

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	68.1	45.5	56.8	4.1	2.2	2.8	103.3	70.9	35.6	6.6	0.5	0.1	47.5	77.1	134.9	260.9	0.0	0.0	31.0	0.0	0.0	0.0
02	69.3	46.1	57.7	4.6	2.3	3.2	110.5	78.9	44.3	11.6	1.2	0.2	34.8	59.3	108.7	216.0	0.0	0.4	28.0	0.0	0.0	0.0
03	72.6	48.4	60.5	4.3	2.1	3.0	187.7	140.3	83.1	24.9	5.0	2.4	17.2	31.8	67.6	164.4	0.0	0.9	31.0	0.0	0.0	0.0
04	76.2	50.6	63.4	3.1	2.1	2.5	257.2	203.7	133.2	51.8	14.0	7.6	5.3	11.8	31.2	99.8	0.1	2.7	30.0	0.0	0.0	0.0
05	78.3	53.9	66.1	3.8	2.0	2.7	345.0	284.7	199.9	86.9	27.2	16.1	0.8	2.5	10.8	52.7	0.1	3.4	31.0	0.0	0.0	0.0
06	83.7	57.8	70.7	3.2	1.9	2.5	472.5	412.6	323.2	179.6	68.1	40.4	0.0	0.2	0.7	7.2	0.6	6.3	30.0	0.0	0.0	0.0
07	89.1	62.0	75.6	2.8	2.2	2.2	637.0	575.0	482.0	327.0	175.3	122.2	0.0	0.0	0.0	0.0	1.5	15.4	31.0	0.0	0.0	0.0
08	91.3	63.2	77.2	2.0	2.2	1.9	689.7	627.7	534.7	379.7	225.6	167.5	0.0	0.0	0.0	0.0	3.1	19.4	31.0	0.0	0.0	0.0
09	89.9	61.6	75.8	2.5	2.5	2.4	622.4	562.5	472.5	324.2	184.9	136.4	0.0	0.0	0.1	1.7	3.1	15.9	30.0	0.0	0.0	0.0
10	83.0	56.3	69.7	4.1	2.7	3.1	454.2	392.4	301.3	167.2	73.6	48.8	0.1	0.3	2.1	23.1	1.1	8.1	31.0	0.0	0.0	0.0
11	74.7	49.6	62.1	3.4	2.3	2.8	223.7	172.9	108.4	41.8	12.3	6.6	9.2	18.4	43.9	127.3	0.0	1.5	30.0	0.0	0.0	0.0
12	67.2	44.7	56.0	2.9	1.4	1.9	78.7	48.9	20.6	2.9	0.1	0.0	49.1	81.3	146.1	283.4	0.0	0.0	31.0	0.0	0.0	0.0
Summary	78.6	53.3	66.0	3.4	2.2	2.6	4182	3571	2739	1604	788	548	164	283	546	1236	9.6	74.0	365.0	0.0	0.0	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	4.51	7.1	5.2	2.7	1.6	1.01	2.49	6.34
02	5.16	7.9	5.6	3.0	1.8	1.56	4.31	8.12
03	3.03	6.2	3.7	2.1	1.1	1.28	2.61	4.10
04	1.11	3.4	1.8	0.8	0.4	0.05	0.56	1.49
05	0.48	2.8	1.2	0.3	0.1	0.04	0.18	0.58
06	0.21	1.6	0.4	0.1	0.1	0.00	0.04	0.12
07	0.06	0.6	0.2	0.0	0.0	0.00	0.00	0.01
08	0.03	0.4	0.0	0.0	0.0	0.00	0.00	0.02
09	0.22	0.8	0.3	0.1	0.1	0.00	0.01	0.13
10	0.84	2.6	1.3	0.4	0.2	0.03	0.37	1.14
11	1.10	3.2	1.9	0.8	0.2	0.10	0.98	1.90
12	3.33	6.1	4.0	2.0	1.0	1.08	2.58	4.23
Summary	20.08	42.7	25.6	12.3	6.6	5.15	14.13	28.18

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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	520.8	495.6	635.5	702.0	809.1	922.5	1102.0	1154.7	1072.5	919.1	664.5	494.5
45	366.3	355.9	480.6	552.0	654.1	772.5	947.0	999.7	922.5	764.1	514.5	339.7
50	218.8	220.9	327.5	402.2	499.1	622.5	792.0	844.7	772.5	609.1	365.4	191.9
55	103.3	110.5	187.7	257.2	345.0	472.5	637.0	689.7	622.4	454.2	223.7	78.7
60	35.6	44.3	83.1	133.2	199.9	323.2	482.0	534.7	472.5	301.3	108.4	20.6
Growing Degree Units for Corn (Monthly)												
50/86	289.2	277.4	366.5	416.7	493.2	595.9	729.1	754.4	691.5	575.2	392.6	270.3

Growing Degree Units (Accumulated Monthly)												
40	521	1016	1652	2354	3163	4086	5188	6342	7415	8334	8998	9493
45	366	722	1203	1755	2409	3181	4128	5128	6051	6815	7329	7669
50	219	440	767	1169	1668	2291	3083	3928	4700	5309	5675	5867
55	103	214	402	659	1004	1476	2113	2803	3425	3879	4103	4182
60	36	80	163	296	496	819	1301	1836	2308	2610	2718	2739
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	289	567	933	1350	1843	2439	3168	3922	4614	5189	5582	5852

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