

Summary of Monthly Normals
1991-2020

Generated on 05/22/2024

Current Location: Elev: 30 ft. Lat: 37.7983° N Lon: 122.2642° W
Station: OAKLAND MUSEUM, CA US USC00046336

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	59.8	45.1	52.5	2.9	2.3	2.2	18.9	6.7	1.2	0.0	0.0	0.0	97.9	147.7	235.3	389.0	0.0	0.0	30.5	0.0	0.0	0.0
02	62.4	47.1	54.7	3.1	2.1	2.2	42.0	21.2	6.4	0.4	0.0	0.0	49.0	84.2	153.4	287.4	0.0	0.0	27.9	0.0	0.0	0.0
03	64.7	48.7	56.7	3.2	1.8	2.4	83.7	49.3	18.3	2.5	0.2	0.0	31.0	58.6	120.6	259.8	0.0	0.0	31.0	0.0	0.0	0.0
04	66.8	50.3	58.5	2.5	1.3	1.8	118.3	75.6	33.7	7.4	1.0	0.4	11.8	29.1	77.2	200.9	0.0	0.2	30.0	0.0	0.0	0.0
05	68.6	52.9	60.8	2.8	1.6	2.1	180.0	124.1	61.2	16.5	4.1	2.2	1.8	7.9	38.0	148.2	0.0	0.5	31.0	0.0	0.0	0.0
06	71.8	55.0	63.4	2.1	1.3	1.5	252.0	192.7	110.8	33.3	8.9	5.1	0.0	0.8	8.9	81.4	0.0	0.7	30.0	0.0	0.0	0.0
07	71.6	56.6	64.1	2.0	1.4	1.6	282.1	220.2	130.5	31.7	5.5	2.5	0.0	0.1	3.4	59.6	0.0	0.3	31.0	0.0	0.0	0.0
08	72.8	57.6	65.2	1.8	1.7	1.7	316.2	254.2	162.6	48.3	9.4	4.9	0.0	0.0	1.4	42.1	0.0	0.7	31.0	0.0	0.0	0.0
09	74.6	57.2	65.9	3.1	1.9	2.4	327.0	267.0	178.4	65.6	17.6	9.9	0.0	0.0	1.4	38.6	0.0	1.6	30.0	0.0	0.0	0.0
10	72.7	54.6	63.7	2.4	1.6	1.9	268.5	208.1	126.4	40.2	8.9	4.3	0.3	2.0	13.3	82.1	0.0	0.7	31.0	0.0	0.0	0.0
11	65.8	49.4	57.6	2.5	1.9	2.0	99.1	61.0	25.0	3.6	0.1	0.1	21.1	43.0	97.0	225.6	0.0	0.0	30.0	0.0	0.0	0.0
12	59.7	45.1	52.4	2.2	2.3	1.9	17.6	7.0	1.4	0.1	0.0	0.0	98.2	149.5	237.0	390.6	0.0	0.0	30.7	0.0	0.1	0.0
Summary	67.6	51.6	59.6	2.6	1.8	2.0	2005	1487	856	250	56	29	311	523	987	2205	0.0	4.7	364.1	0.0	0.1	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	4.35	10.4	7.5	2.8	1.1	1.46	3.05	7.02	
02	4.35	10.0	7.1	3.3	1.0	1.81	4.09	6.88	
03	3.21	10.4	6.8	2.5	0.4	1.15	2.68	4.49	
04	1.37	5.9	3.5	0.9	0.1	0.58	1.17	1.78	
05	0.75	3.7	2.0	0.4	0.1	0.09	0.46	1.18	
06	0.20	1.1	0.6	0.1	0.1	0.00	0.02	0.21	
07	0.00	0.1	0.0	0.0	0.0	0.00	0.00	0.00	
08	0.05	0.3	0.1	0.0	0.0	0.00	0.00	0.00	
09	0.10	0.8	0.3	0.0	0.0	0.00	0.00	0.14	
10	1.13	3.0	2.0	0.7	0.3	0.10	0.62	1.82	
11	2.44	6.5	4.4	1.6	0.5	0.93	2.01	3.37	
12	4.66	10.5	7.5	3.2	1.3	1.98	3.32	7.44	
Summary	22.61	62.7	41.8	15.5	4.9	8.10	17.42	34.33	

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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	386.0	413.0	517.7	556.5	643.3	702.0	747.1	781.2	777.0	733.1	528.0	384.5
45	232.4	273.2	362.8	406.5	488.3	552.0	592.1	626.2	627.0	578.1	378.0	231.2
50	96.4	139.5	210.5	256.8	333.3	402.0	437.1	471.2	477.0	423.1	229.7	93.7
55	18.9	42.0	83.7	118.3	180.0	252.0	282.1	316.2	327.0	268.5	99.1	17.6
60	1.2	6.4	18.3	33.7	61.2	110.8	130.5	162.6	178.4	126.4	25.0	1.4
Growing Degree Units for Corn (Monthly)												
50/86	157.5	181.6	243.7	274.8	334.1	398.5	435.5	468.6	470.5	422.3	258.9	157.2

Growing Degree Units (Accumulated Monthly)												
40	386	799	1317	1873	2516	3218	3966	4747	5524	6257	6785	7169
45	232	506	868	1275	1763	2315	2907	3534	4160	4739	5117	5348
50	96	236	446	703	1036	1438	1876	2347	2824	3247	3477	3570
55	19	61	145	263	443	695	977	1293	1620	1889	1988	2005
60	1	8	26	60	121	232	362	525	703	830	854	856
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	158	339	583	858	1192	1590	2026	2494	2965	3387	3646	3803

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