

Summary of Monthly Normals
1991-2020

Generated on 04/18/2024

Current Location: Elev: 393 ft. Lat: 37.6928° N Lon: 121.8144° W
Station: LIVERMORE, CA US USC00044997

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	56.8	39.0	47.9	2.8	3.0	2.2	4.0	1.1	0.2	0.0	0.0	0.0	224.1	283.2	375.3	530.1	0.0	0.0	28.2	0.0	4.8	0.0
02	61.0	41.0	51.0	2.9	2.3	2.0	14.5	5.6	0.9	0.0	0.0	0.0	126.6	173.6	252.9	392.0	0.0	0.0	27.6	0.0	2.0	0.0
03	65.8	43.3	54.6	3.6	1.8	2.5	55.7	30.6	9.0	0.5	0.0	0.0	69.7	106.5	178.0	324.5	0.0	0.0	31.0	0.0	0.3	0.0
04	70.6	45.7	58.1	3.0	1.6	2.1	119.5	81.3	41.3	9.7	1.3	0.3	25.0	46.8	96.8	215.1	0.0	0.6	30.0	0.0	0.0	0.0
05	76.6	50.0	63.3	4.4	1.9	3.0	260.2	204.3	131.8	52.8	16.9	10.0	2.9	9.0	29.5	105.5	0.2	3.6	31.0	0.0	0.0	0.0
06	83.9	53.8	68.8	3.2	1.4	2.1	415.6	355.9	268.0	140.3	61.1	41.9	0.1	0.4	2.5	24.9	2.1	9.1	30.0	0.0	0.0	0.0
07	89.0	56.6	72.8	2.7	1.6	1.9	551.8	489.8	396.8	243.6	113.8	76.9	0.0	0.0	0.0	1.8	3.8	15.6	31.0	0.0	0.0	0.0
08	88.6	56.6	72.6	2.5	1.5	1.7	545.6	483.6	390.6	237.1	103.9	66.8	0.0	0.0	0.0	1.5	3.0	14.4	31.0	0.0	0.0	0.0
09	85.9	54.7	70.3	2.3	1.8	1.6	459.0	399.1	309.9	169.8	66.6	41.1	0.0	0.1	1.0	10.8	1.8	11.2	30.0	0.0	0.0	0.0
10	77.2	49.7	63.5	3.2	1.9	2.3	265.7	208.9	133.7	48.1	12.8	6.3	3.7	8.9	26.8	96.2	0.2	2.6	31.0	0.0	0.0	0.0
11	64.9	42.8	53.8	2.9	2.3	2.3	49.4	28.5	9.7	0.7	0.0	0.0	83.9	122.9	194.1	335.2	0.0	0.0	29.8	0.0	0.7	0.0
12	56.9	38.8	47.9	2.0	3.1	2.0	6.3	2.1	0.2	0.0	0.0	0.0	227.9	285.7	376.8	531.6	0.0	0.0	28.5	0.0	5.2	0.0
Summary	73.1	47.7	60.4	3.0	2.0	2.1	2747	2291	1692	903	376	243	764	1037	1534	2569	11.1	57.1	359.1	0.0	13.0	0.0

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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	2.78	10.1	6.2	1.7	0.5	0.97	2.21	4.45	
02	2.72	9.9	6.9	1.8	0.2	0.85	2.63	3.99	
03	2.20	9.3	5.5	1.2	0.2	1.11	2.03	2.96	
04	1.10	5.6	2.9	0.6	0.0	0.36	0.99	1.78	
05	0.51	3.6	1.6	0.2	0.0	0.09	0.35	0.73	
06	0.12	1.1	0.4	0.1	0.0	0.00	0.03	0.12	
07	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00	
08	0.04	0.4	0.1	0.0	0.0	0.00	0.00	0.00	
09	0.09	0.7	0.3	0.0	0.0	0.00	0.00	0.20	
10	0.77	2.5	1.5	0.5	0.1	0.15	0.31	1.05	
11	1.54	6.7	3.8	0.7	0.3	0.75	1.38	2.16	
12	2.73	9.5	6.1	1.7	0.5	1.23	2.15	4.13	
Summary	14.60	59.4	35.3	8.5	1.8	5.51	12.08	21.57	

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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	249.1	308.2	451.0	544.5	722.3	865.5	1016.8	1010.6	909.0	726.9	415.7	248.0
45	116.5	174.4	297.2	394.5	567.3	715.5	861.8	855.6	759.0	571.9	268.8	117.1
50	33.3	69.6	156.7	246.7	412.4	565.5	706.8	700.6	609.0	417.2	138.1	35.4
55	4.0	14.5	55.7	119.5	260.2	415.6	551.8	545.6	459.0	265.7	49.4	6.3
60	0.2	0.9	9.0	41.3	131.8	268.0	396.8	390.6	309.9	133.7	9.7	0.2
Growing Degree Units for Corn (Monthly)												
50/86	112.7	156.5	248.3	314.0	424.4	525.1	630.5	630.6	562.5	440.9	228.8	114.9

Growing Degree Units (Accumulated Monthly)												
40	249	557	1008	1553	2275	3141	4157	5168	6077	6804	7220	7468
45	116	291	588	983	1550	2265	3127	3983	4742	5314	5582	5700
50	33	103	260	506	919	1484	2191	2892	3501	3918	4056	4091
55	4	18	74	194	454	870	1421	1967	2426	2692	2741	2747
60	0	1	10	51	183	451	848	1239	1548	1682	1692	1692
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	113	269	518	832	1256	1781	2412	3042	3605	4046	4274	4389

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