

Summary of Monthly Normals
1991-2020

Generated on 04/29/2024

Current Location: Elev: 403 ft. Lat: 41.3089° N Lon: 123.5317° W

Station: **ORLEANS, CA US USC00046508**

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	49.6	37.3	43.4	1.9	3.5	2.2	0.1	0.0	0.0	0.0	0.0	0.0	358.1	420.0	513.0	668.0	0.0	0.0	16.9	0.0	7.8	0.0
02	54.9	39.1	47.0	3.8	3.2	3.0	3.1	1.0	0.1	0.0	0.0	0.0	227.1	281.0	364.1	504.0	0.0	0.0	24.0	0.0	4.5	0.0
03	61.8	41.0	51.4	3.7	2.3	2.7	23.2	10.5	2.3	0.1	0.0	0.0	134.8	184.1	268.9	421.7	0.0	0.0	29.5	0.0	1.6	0.0
04	68.3	43.3	55.8	3.8	1.9	2.4	86.2	56.5	25.3	3.7	0.2	0.1	62.1	92.5	151.2	279.6	0.0	0.2	29.6	0.0	0.5	0.0
05	76.7	47.9	62.3	4.5	1.9	2.8	236.6	185.2	118.5	42.7	9.4	3.9	10.4	21.0	47.3	126.5	0.0	3.5	31.0	0.0	0.0	0.0
06	83.1	52.1	67.6	3.6	1.9	2.5	378.8	320.3	235.7	116.5	43.7	26.6	0.8	2.3	7.6	38.5	1.1	8.5	30.0	0.0	0.0	0.0
07	92.0	56.8	74.4	3.1	1.8	2.3	601.3	539.3	446.4	293.3	154.8	109.2	0.0	0.0	0.1	2.0	6.6	20.6	31.0	0.0	0.0	0.0
08	91.0	55.7	73.4	2.9	1.5	1.9	568.8	506.8	413.9	260.8	122.2	78.8	0.0	0.0	0.1	1.9	3.7	19.7	31.0	0.0	0.0	0.0
09	85.8	51.5	68.7	3.1	1.8	2.0	409.6	350.1	262.5	130.8	42.1	21.7	0.1	0.6	3.1	21.4	1.3	12.0	30.0	0.0	0.0	0.0
10	70.9	46.4	58.6	3.4	2.8	2.2	141.3	99.9	53.1	12.0	0.9	0.2	28.1	48.8	95.0	208.9	0.0	0.6	30.9	0.0	0.2	0.0
11	55.6	41.9	48.8	2.2	2.8	2.0	10.5	4.7	1.0	0.0	0.0	0.0	197.9	252.1	338.4	487.5	0.0	0.0	25.9	0.0	2.9	0.0
12	47.9	37.1	42.5	1.8	3.1	2.2	0.4	0.0	0.0	0.0	0.0	0.0	387.9	449.4	542.3	697.3	0.0	0.0	13.1	0.0	7.8	0.0
Summary	69.8	45.8	57.8	3.2	2.4	2.4	2460	2074	1559	860	373	240	1407	1752	2331	3457	12.7	65.1	322.9	0.0	25.3	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	9.39	15.7	11.7	6.1	3.2	3.87	9.06	13.99
02	6.93	13.8	10.0	4.8	2.2	3.41	5.86	8.90
03	6.38	15.0	11.1	5.0	2.1	3.92	5.53	7.99
04	3.97	11.5	8.5	2.6	0.7	2.34	3.00	5.31
05	2.25	7.7	4.7	1.1	0.3	1.13	1.90	2.90
06	0.89	3.4	2.2	0.7	0.1	0.13	0.63	1.45
07	0.19	1.0	0.4	0.1	0.0	0.00	0.02	0.12
08	0.15	1.2	0.6	0.0	0.0	0.00	0.06	0.26
09	0.76	2.1	1.2	0.4	0.2	0.09	0.40	0.88
10	3.52	6.6	4.6	2.3	0.9	1.33	2.57	5.33
11	6.81	13.9	9.7	4.3	1.6	3.49	6.01	8.29
12	10.49	17.1	13.6	7.9	4.1	5.91	9.13	13.17
Summary	51.73	109.0	78.3	35.3	15.4	25.62	44.17	68.59

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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	0.10	0.4	0.4	0.1	0.0	0.0	0.3	0.0	0.0	0.0	0.00	0.00	0.00
02	1.50	0.6	0.6	0.2	0.1	0.0	0.5	0.1	0.0	0.0	0.00	0.00	0.00
03	0.20	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.10
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	1.00	0.8	0.4	0.1	0.0	0.0	0.3	0.0	0.0	0.0	0.00	0.00	0.80
Summary	2.8	2.2	1.5	0.4	0.1	0.0	1.1	0.1	0.0	0.0	0.0	0.0	0.9

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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	126.6	200.1	354.4	474.1	691.3	828.0	1066.3	1033.8	859.4	578.2	265.3	105.8
45	35.2	85.6	208.2	326.2	536.3	678.1	911.2	878.8	709.4	423.4	135.0	31.6
50	3.6	22.2	90.5	189.5	382.0	528.1	756.2	723.8	559.4	271.9	46.6	5.6
55	0.1	3.1	23.2	86.2	236.6	378.8	601.3	568.8	409.6	141.3	10.5	0.4
60	0.0	0.1	2.3	25.3	118.5	235.7	446.4	413.9	262.5	53.1	1.0	0.0
Growing Degree Units for Corn (Monthly)												
50/86	27.4	80.0	187.7	276.9	415.6	505.3	648.4	634.3	530.1	333.7	96.1	17.9

Growing Degree Units (Accumulated Monthly)												
40	127	327	681	1155	1846	2674	3741	4775	5634	6212	6478	6583
45	35	121	329	655	1192	1870	2781	3660	4369	4792	4927	4959
50	4	26	116	306	688	1216	1972	2696	3255	3527	3574	3579
55	0	3	26	113	349	728	1329	1898	2308	2449	2460	2460
60	0	0	2	28	146	382	828	1242	1505	1558	1559	1559
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	27	107	295	572	988	1493	2141	2776	3306	3639	3736	3753

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

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