

Summary of Monthly Normals
1991-2020

Generated on 05/20/2024

Current Location: Elev: 2400 ft. Lat: 39.2042° N Lon: 121.0681° W
Station: GRASS VALLEY #2, CA US USC00043573

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	53.6	33.1	43.4	4.1	2.8	2.4	0.2	0.0	0.0	0.0	0.0	0.0	361.3	423.2	516.2	671.2	0.0	0.0	20.3	0.1	15.6	0.0
02	54.9	34.2	44.5	4.9	2.4	3.1	1.1	0.2	0.0	0.0	0.0	0.0	293.7	348.8	432.6	572.6	0.0	0.0	19.2	0.0	11.0	0.0
03	57.9	37.0	47.5	4.7	2.2	3.3	10.1	4.0	0.9	0.0	0.0	0.0	244.2	300.0	389.9	544.1	0.0	0.0	24.3	0.0	7.1	0.0
04	62.7	40.0	51.3	3.6	1.9	2.6	41.7	25.2	9.6	0.7	0.0	0.0	151.1	194.7	269.1	410.2	0.0	0.0	26.7	0.0	3.0	0.0
05	70.8	46.8	58.8	4.7	2.4	3.4	165.8	125.9	77.3	26.2	5.8	2.8	48.0	70.1	114.5	218.3	0.0	0.5	30.6	0.0	0.1	0.0
06	80.2	52.6	66.4	3.7	2.4	3.0	347.9	292.7	215.2	108.0	38.9	23.1	5.9	10.7	23.2	65.9	0.1	4.6	30.0	0.0	0.0	0.0
07	88.0	58.2	73.1	2.7	2.4	2.5	561.0	499.2	406.7	256.2	122.5	80.6	0.0	0.1	0.7	5.3	0.2	13.5	31.0	0.0	0.0	0.0
08	87.4	56.8	72.1	2.2	2.0	1.9	530.2	468.3	375.7	224.9	96.6	60.1	0.1	0.2	0.7	4.8	0.4	11.8	31.0	0.0	0.0	0.0
09	82.3	52.1	67.2	2.6	1.9	2.1	369.7	313.0	231.9	114.7	35.4	17.0	3.8	7.0	15.9	48.8	0.2	5.3	30.0	0.0	0.0	0.0
10	72.1	44.2	58.2	3.9	2.5	2.9	145.2	105.9	60.7	18.6	3.3	1.2	47.5	70.3	118.0	230.9	0.0	0.7	30.7	0.0	0.5	0.0
11	59.8	37.1	48.4	3.9	2.6	2.8	17.8	8.7	1.9	0.0	0.0	0.0	214.2	265.1	348.3	496.5	0.0	0.0	26.0	0.0	6.9	0.0
12	52.6	32.6	42.6	3.1	2.4	1.8	0.1	0.0	0.0	0.0	0.0	0.0	384.4	446.3	539.3	694.3	0.0	0.0	19.9	0.1	17.2	0.0
Summary	68.5	43.7	56.1	3.7	2.3	2.6	2191	1843	1380	749	302	185	1754	2136	2768	3963	0.9	36.4	319.7	0.2	61.4	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	9.30	12.8	10.0	5.6	3.4	3.22	7.70	13.09	
02	8.98	11.7	9.2	5.6	3.3	4.13	7.09	14.14	
03	8.16	12.2	9.7	5.6	3.1	3.88	6.32	9.99	
04	4.43	8.5	6.3	3.3	1.6	2.34	3.26	6.13	
05	2.48	5.9	4.0	1.7	0.6	0.50	1.69	3.44	
06	0.74	2.7	1.3	0.5	0.3	0.03	0.29	1.71	
07	0.00	0.2	0.0	0.0	0.0	0.00	0.00	0.00	
08	0.11	0.8	0.1	0.1	0.0	0.00	0.00	0.04	
09	0.44	1.6	1.0	0.3	0.1	0.00	0.06	0.46	
10	2.56	4.4	3.0	1.3	0.9	0.69	1.93	3.96	
11	5.52	8.4	6.6	3.8	2.0	2.40	5.19	7.99	
12	10.48	12.3	9.7	6.1	3.9	4.74	10.33	14.68	
Summary	53.20	81.5	60.9	33.9	19.2	21.93	43.86	75.63	

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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	0.70	0.3	0.2	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.00	0.00	0.10
02	3.00	1.0	0.9	0.3	0.2	0.0	0.8	0.1	0.1	0.0	0.00	1.00	6.00
03	3.00	1.0	0.9	0.4	0.1	0.0	0.6	0.2	0.0	0.0	0.00	0.00	1.70
04	0.50	0.3	0.2	0.0	0.0	0.0	0.1	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	0.20	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
12	1.20	0.3	0.3	0.1	0.1	0.0	0.4	0.2	0.1	0.0	0.00	0.00	1.20
Summary	8.6	3.0	2.6	0.9	0.4	0.0	2.0	0.5	0.2	0.0	0.0	1.0	9.0

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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	133.1	148.8	243.5	343.2	583.0	792.0	1026.0	995.1	816.0	562.8	261.7	115.3
45	44.6	62.3	126.4	211.2	430.1	642.1	870.9	840.1	665.9	410.5	141.1	33.9
50	6.7	16.0	48.1	107.9	287.2	493.1	715.9	685.1	516.5	266.8	59.0	3.3
55	0.2	1.1	10.1	41.7	165.8	347.9	561.0	530.2	369.7	145.2	17.8	0.1
60	0.0	0.0	0.9	9.6	77.3	215.2	406.7	375.7	231.9	60.7	1.9	0.0
Growing Degree Units for Corn (Monthly)												
50/86	85.3	91.0	138.9	196.5	337.0	490.0	662.2	638.4	511.2	345.4	156.6	70.1

Growing Degree Units (Accumulated Monthly)												
40	133	282	525	869	1452	2244	3270	4265	5081	5644	5905	6020
45	45	107	233	444	875	1517	2388	3228	3894	4304	4445	4479
50	7	23	71	179	466	959	1675	2360	2876	3143	3202	3206
55	0	1	11	53	219	567	1128	1658	2028	2173	2191	2191
60	0	0	1	10	88	303	710	1085	1317	1378	1380	1380
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	85	176	315	512	849	1339	2001	2639	3150	3496	3652	3723

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

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