

Summary of Monthly Normals
1991-2020

Generated on 04/25/2024

Current Location: Elev: 443 ft. Lat: 21.1544° N Lon: 157.0961° W

Station: MOLOKAI AP, HI US USW00022534

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	78.8	64.3	71.6	1.5	1.7	1.3	513.1	451.1	358.1	203.2	63.0	26.9	0.0	0.0	0.0	0.1	0.0	0.0	31.0	0.0	0.0	0.0
02	78.8	64.6	71.7	1.4	1.3	1.0	467.6	411.6	327.6	187.7	58.7	23.7	0.0	0.0	0.0	0.1	0.0	0.0	28.0	0.0	0.0	0.0
03	79.2	65.8	72.5	1.4	1.3	1.0	542.5	480.5	387.5	232.7	84.5	38.7	0.0	0.0	0.0	0.2	0.0	0.0	31.0	0.0	0.0	0.0
04	81.0	67.1	74.0	1.2	1.4	0.9	571.5	511.5	421.5	271.5	123.1	68.5	0.0	0.0	0.0	0.0	0.0	0.0	30.0	0.0	0.0	0.0
05	82.8	68.6	75.7	1.1	1.1	0.8	641.7	579.7	486.7	331.7	177.0	116.5	0.0	0.0	0.0	0.0	0.0	0.1	31.0	0.0	0.0	0.0
06	84.7	71.5	78.1	1.1	0.9	0.8	693.0	633.0	543.0	393.0	243.0	183.0	0.0	0.0	0.0	0.0	0.0	0.2	30.0	0.0	0.0	0.0
07	85.5	72.7	79.1	0.9	1.3	1.0	747.1	685.1	592.1	437.1	282.1	220.1	0.0	0.0	0.0	0.0	0.0	1.1	31.0	0.0	0.0	0.0
08	86.5	73.4	80.0	1.0	1.2	0.9	773.4	711.4	618.4	463.4	308.4	246.4	0.0	0.0	0.0	0.0	0.0	1.3	31.0	0.0	0.0	0.0
09	86.7	72.8	79.7	1.2	1.3	1.1	742.5	682.5	592.5	442.5	292.5	232.5	0.0	0.0	0.0	0.0	0.0	1.5	30.0	0.0	0.0	0.0
10	85.5	71.4	78.5	1.3	1.1	1.0	726.9	664.9	571.9	416.9	261.9	200.0	0.0	0.0	0.0	0.0	0.0	0.9	31.0	0.0	0.0	0.0
11	82.8	69.6	76.2	1.5	1.4	1.2	636.0	576.0	486.0	336.0	186.2	127.5	0.0	0.0	0.0	0.0	0.0	0.1	30.0	0.0	0.0	0.0
12	80.2	66.9	73.5	1.6	1.7	1.3	575.1	513.1	420.1	265.1	114.3	63.3	0.0	0.0	0.0	0.0	0.0	0.0	31.0	0.0	0.0	0.0
Summary	82.7	69.1	75.9	1.3	1.3	1.0	7630	6900	5805	3981	2195	1547	0	0	0	0	0.0	5.2	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	3.56	10.8	5.0	1.9	0.9	1.11	2.53	4.83
02	2.31	9.7	4.6	1.0	0.6	1.00	1.67	2.78
03	3.02	11.0	5.2	1.8	0.8	1.12	2.26	4.08
04	1.54	9.1	3.4	0.8	0.3	0.59	1.18	1.72
05	1.15	6.3	2.1	0.5	0.2	0.26	0.69	1.33
06	0.61	5.8	1.1	0.2	0.1	0.21	0.29	0.52
07	0.62	8.2	1.7	0.1	0.0	0.29	0.49	0.90
08	0.84	6.8	1.7	0.4	0.2	0.21	0.35	0.92
09	0.99	7.9	1.9	0.5	0.3	0.24	0.48	1.48
10	1.54	8.0	2.7	0.7	0.3	0.28	0.87	1.82
11	2.67	10.9	4.3	1.5	0.6	0.67	1.99	3.83
12	2.87	11.0	5.1	1.6	0.5	1.32	2.16	4.01
Summary	21.72	105.5	38.8	11.0	4.8	7.30	14.96	28.22

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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	978.1	887.6	1007.5	1021.5	1106.7	1143.0	1212.1	1238.4	1192.5	1191.9	1086.0	1040.1
45	823.1	747.6	852.5	871.5	951.7	993.0	1057.1	1083.4	1042.5	1036.9	936.0	885.1
50	668.1	607.6	697.5	721.5	796.7	843.0	902.1	928.4	892.5	881.9	786.0	730.1
55	513.1	467.6	542.5	571.5	641.7	693.0	747.1	773.4	742.5	726.9	636.0	575.1
60	358.1	327.6	387.5	421.5	486.7	543.0	592.1	618.4	592.5	571.9	486.0	420.1
Growing Degree Units for Corn (Monthly)												
50/86	667.7	607.5	697.5	721.4	795.4	837.9	891.9	911.9	874.4	870.4	783.1	728.9

Growing Degree Units (Accumulated Monthly)												
40	978	1866	2873	3895	5001	6144	7356	8595	9787	10979	12065	13105
45	823	1571	2423	3295	4246	5239	6296	7380	8422	9459	10395	11280
50	668	1276	1973	2695	3491	4334	5236	6165	7057	7939	8725	9455
55	513	981	1523	2095	2736	3429	4176	4950	5692	6419	7055	7630
60	358	686	1073	1495	1981	2524	3116	3735	4327	4899	5385	5805
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	668	1275	1973	2694	3490	4327	5219	6131	7006	7876	8659	9388

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