

Summary of Monthly Normals
1991-2020

Generated on 04/26/2024

Current Location: Elev: 64 ft. Lat: 21.3356° N Lon: 157.7114° W
Station: **WAIMANALO EXP F 795.1, HI US USC00519523**

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	78.2	64.8	71.5	1.0	2.2	1.4	511.5	449.5	356.5	201.8	60.6	24.3	0.0	0.0	0.0	0.3	0.0	0.0	31.0	0.0	0.0	0.0
02	78.0	65.4	71.7	1.1	2.0	1.3	467.6	411.6	327.6	187.7	60.1	24.6	0.0	0.0	0.0	0.1	0.0	0.0	28.0	0.0	0.0	0.0
03	78.5	66.7	72.6	1.3	1.8	1.3	545.6	483.6	390.6	235.7	88.5	42.3	0.0	0.0	0.0	0.1	0.0	0.0	31.0	0.0	0.0	0.0
04	79.9	68.9	74.4	1.3	1.6	1.2	582.0	522.0	432.0	282.0	133.5	78.1	0.0	0.0	0.0	0.0	0.0	0.0	30.0	0.0	0.0	0.0
05	81.4	70.1	75.8	1.1	1.6	1.1	643.3	581.3	488.3	333.3	178.9	119.2	0.0	0.0	0.0	0.0	0.0	0.0	31.0	0.0	0.0	0.0
06	83.3	72.7	78.0	1.0	1.1	1.0	690.0	630.0	540.0	390.0	240.0	180.0	0.0	0.0	0.0	0.0	0.0	0.0	30.0	0.0	0.0	0.0
07	84.4	73.7	79.1	1.1	1.2	1.1	745.5	683.5	590.5	435.5	280.5	218.5	0.0	0.0	0.0	0.0	0.0	0.0	31.0	0.0	0.0	0.0
08	85.0	74.3	79.7	1.2	1.1	0.9	764.1	702.1	609.1	454.1	299.1	237.1	0.0	0.0	0.0	0.0	0.0	0.1	31.0	0.0	0.0	0.0
09	85.3	73.7	79.5	1.2	1.5	1.1	735.0	675.0	585.0	435.0	285.0	225.0	0.0	0.0	0.0	0.0	0.0	0.2	30.0	0.0	0.0	0.0
10	84.1	72.6	78.3	1.1	1.4	1.1	723.8	661.8	568.8	413.8	258.9	197.2	0.0	0.0	0.0	0.0	0.0	0.1	31.0	0.0	0.0	0.0
11	81.6	70.5	76.0	1.1	1.5	1.1	631.5	571.5	481.5	331.5	181.7	123.1	0.0	0.0	0.0	0.0	0.0	0.0	30.0	0.0	0.0	0.0
12	79.1	67.8	73.5	1.1	1.7	1.1	571.9	509.9	416.9	261.9	109.7	57.3	0.0	0.0	0.0	0.0	0.0	0.0	31.0	0.0	0.0	0.0
Summary	81.6	70.1	75.8	1.1	1.6	1.1	7612	6882	5787	3962	2176	1527	0	0	0	0	0.0	0.4	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	4.79	15.7	7.6	2.3	1.3	2.10	4.06	5.92
02	4.45	12.9	5.9	2.1	1.0	1.35	3.42	6.14
03	5.40	15.3	7.7	2.5	1.3	2.07	4.44	6.21
04	3.26	12.6	5.9	1.3	0.6	1.39	2.24	4.05
05	2.43	11.7	4.8	1.5	0.5	1.20	2.00	2.63
06	1.26	11.0	4.1	0.2	0.0	0.78	1.06	1.50
07	1.86	14.6	5.9	0.4	0.1	1.07	1.44	2.50
08	1.97	13.2	4.8	0.5	0.2	0.94	1.49	2.01
09	2.62	13.3	6.1	1.3	0.5	1.18	2.21	2.97
10	3.54	14.1	6.7	2.0	0.8	1.59	2.61	5.51
11	5.40	15.9	8.4	2.5	1.4	2.62	4.22	6.62
12	5.45	18.7	8.5	2.6	1.7	2.44	4.44	6.63
Summary	42.43	169.0	76.4	19.2	9.4	18.73	33.63	52.69

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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	976.5	887.6	1010.6	1032.0	1108.3	1140.0	1210.5	1229.1	1185.0	1188.8	1081.5	1036.9
45	821.5	747.6	855.6	882.0	953.3	990.0	1055.5	1074.1	1035.0	1033.8	931.5	881.9
50	666.5	607.6	700.6	732.0	798.3	840.0	900.5	919.1	885.0	878.8	781.5	726.9
55	511.5	467.6	545.6	582.0	643.3	690.0	745.5	764.1	735.0	723.8	631.5	571.9
60	356.5	327.6	390.6	432.0	488.3	540.0	590.5	609.1	585.0	568.8	481.5	416.9
Growing Degree Units for Corn (Monthly)												
50/86	666.5	607.6	700.5	732.0	798.5	839.5	898.3	914.1	878.9	876.2	780.9	727.1

Growing Degree Units (Accumulated Monthly)												
40	976	1864	2875	3907	5015	6155	7366	8595	9780	10968	12050	13087
45	822	1569	2425	3307	4260	5250	6306	7380	8415	9448	10380	11262
50	666	1274	1975	2707	3505	4345	5246	6165	7050	7928	8710	9437
55	512	979	1525	2107	2750	3440	4186	4950	5685	6408	7040	7612
60	356	684	1075	1507	1995	2535	3126	3735	4320	4888	5370	5787
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	666	1274	1975	2707	3505	4345	5243	6157	7036	7912	8693	9420

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