

Summary of Monthly Normals
1991-2020

Generated on 04/17/2024

Current Location: Elev: 421 ft. Lat: 20.9286° N Lon: 156.6736° W
Station: PUUKOLII 457.1, HI US USC00518407

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	76.5	64.1	70.3	0.9	0.8	0.8	474.3	412.3	319.3	164.8	33.5	9.9	0.0	0.0	0.0	0.4	0.0	0.0	31.0	0.0	0.0	0.0
02	76.8	63.8	70.3	1.1	1.0	0.9	428.4	372.4	288.4	148.8	29.4	6.8	0.0	0.0	0.0	0.4	0.0	0.0	28.0	0.0	0.0	0.0
03	77.6	64.7	71.2	1.3	1.0	0.9	500.7	438.7	345.7	191.0	50.4	15.5	0.0	0.0	0.0	0.3	0.0	0.0	31.0	0.0	0.0	0.0
04	79.3	65.7	72.5	1.3	0.8	0.9	525.0	465.0	375.0	225.0	78.5	29.6	0.0	0.0	0.0	0.0	0.0	0.0	30.0	0.0	0.0	0.0
05	80.9	67.1	74.0	1.1	0.7	0.8	589.0	527.0	434.0	279.1	125.1	67.3	0.0	0.0	0.0	0.0	0.0	0.0	31.0	0.0	0.0	0.0
06	83.4	69.4	76.4	0.9	1.3	0.8	642.0	582.0	492.0	342.0	192.0	132.0	0.0	0.0	0.0	0.0	0.0	0.0	30.0	0.0	0.0	0.0
07	84.1	70.1	77.1	1.1	0.9	1.0	685.1	623.1	530.1	375.1	220.1	158.1	0.0	0.0	0.0	0.0	0.0	0.4	31.0	0.0	0.0	0.0
08	84.8	70.6	77.7	0.9	1.0	0.9	703.7	641.7	548.7	393.7	238.7	176.7	0.0	0.0	0.0	0.0	0.0	1.1	31.0	0.0	0.0	0.0
09	84.8	70.3	77.5	1.2	1.3	1.1	676.5	616.5	526.5	376.5	226.5	166.5	0.0	0.0	0.0	0.0	0.0	1.2	30.0	0.0	0.0	0.0
10	83.4	69.5	76.4	1.1	0.8	0.8	664.9	602.9	509.9	354.9	200.0	138.5	0.0	0.0	0.0	0.0	0.0	0.3	31.0	0.0	0.0	0.0
11	80.4	68.2	74.3	1.2	1.0	1.0	579.0	519.0	429.0	279.0	130.0	74.3	0.0	0.0	0.0	0.0	0.0	0.1	30.0	0.0	0.0	0.0
12	77.6	66.0	71.8	1.2	1.0	0.9	520.8	458.8	365.8	210.9	64.2	22.6	0.0	0.0	0.0	0.1	0.0	0.0	31.0	0.0	0.0	0.0
Summary	80.8	67.5	74.1	1.1	1.0	0.9	6989	6259	5164	3341	1588	998	0	0	0	1	0.0	3.1	365.0	0.0	0.0	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	3.41	7.2	4.6	1.3	0.6	1.25	2.40	4.00
02	2.12	7.7	4.4	1.1	0.3	0.95	1.69	2.78
03	3.69	9.0	5.2	1.7	0.9	1.28	2.91	4.35
04	1.74	7.4	3.6	0.8	0.2	0.80	1.39	1.94
05	1.22	6.0	2.3	0.5	0.1	0.33	0.89	1.87
06	0.64	4.8	1.5	0.2	0.0	0.16	0.37	1.04
07	0.79	5.8	2.1	0.4	0.0	0.33	0.65	0.98
08	0.90	5.2	1.8	0.4	0.2	0.27	0.52	1.11
09	1.18	4.6	1.9	0.5	0.3	0.42	0.76	1.34
10	1.88	6.1	2.6	0.9	0.4	0.45	0.88	2.21
11	2.57	8.4	4.1	1.4	0.7	0.92	1.99	3.64
12	3.19	10.6	5.3	1.7	0.8	1.76	2.37	3.39
Summary	23.33	82.8	39.4	10.9	4.5	8.92	16.82	28.65

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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	939.3	848.4	965.7	975.0	1054.0	1092.0	1150.1	1168.7	1126.5	1129.9	1029.0	985.8
45	784.3	708.4	810.7	825.0	899.0	942.0	995.1	1013.7	976.5	974.9	879.0	830.8
50	629.3	568.4	655.7	675.0	744.0	792.0	840.1	858.7	826.5	819.9	729.0	675.8
55	474.3	428.4	500.7	525.0	589.0	642.0	685.1	703.7	676.5	664.9	579.0	520.8
60	319.3	288.4	345.7	375.0	434.0	492.0	530.1	548.7	526.5	509.9	429.0	365.8
Growing Degree Units for Corn (Monthly)												
50/86	628.6	568.4	655.7	675.1	743.8	791.1	838.1	854.0	822.0	818.0	728.5	675.7

Growing Degree Units (Accumulated Monthly)												
40	939	1788	2753	3728	4782	5874	7024	8193	9320	10450	11479	12464
45	784	1493	2303	3128	4027	4969	5964	6978	7955	8930	9809	10639
50	629	1198	1853	2528	3272	4064	4904	5763	6590	7410	8139	8814
55	474	903	1403	1928	2517	3159	3844	4548	5225	5890	6469	6989
60	319	608	953	1328	1762	2254	2784	3333	3860	4370	4799	5164
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	629	1197	1853	2528	3272	4063	4901	5755	6577	7395	8123	8799

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

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