

Summary of Monthly Normals
1991-2020

Generated on 06/03/2024

Current Location: Elev: 38 ft. Lat: 19.7192° N Lon: 155.0531° W

Station: HILO INTL AP, HI US USW00021504

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	78.7	64.1	71.4	1.7	0.9	1.0	508.4	446.4	353.4	198.4	53.3	17.0	0.0	0.0	0.0	0.0	0.0	0.1	31.0	0.0	0.0	0.0
02	78.4	64.1	71.2	2.0	0.9	1.2	455.0	399.0	315.0	175.1	47.2	16.5	0.0	0.0	0.0	0.1	0.0	0.0	28.0	0.0	0.0	0.0
03	78.5	65.2	71.9	1.8	1.0	1.2	522.3	460.3	367.3	212.4	64.6	24.5	0.0	0.0	0.0	0.0	0.0	0.1	31.0	0.0	0.0	0.0
04	79.0	66.1	72.5	1.6	0.9	1.1	526.5	466.5	376.5	226.5	80.1	33.1	0.0	0.0	0.0	0.0	0.0	0.0	30.0	0.0	0.0	0.0
05	80.7	67.3	74.0	1.5	0.9	1.0	589.0	527.0	434.0	279.0	124.4	66.7	0.0	0.0	0.0	0.0	0.0	0.0	31.0	0.0	0.0	0.0
06	81.8	68.7	75.2	1.2	0.9	0.9	607.5	547.5	457.5	307.5	157.5	97.7	0.0	0.0	0.0	0.0	0.0	0.0	30.0	0.0	0.0	0.0
07	82.8	69.9	76.3	1.4	1.2	1.2	661.8	599.8	506.8	351.8	196.8	134.9	0.0	0.0	0.0	0.0	0.0	0.2	31.0	0.0	0.0	0.0
08	82.9	70.4	76.6	1.0	1.2	1.0	671.2	609.2	516.2	361.2	206.2	144.2	0.0	0.0	0.0	0.0	0.0	0.1	31.0	0.0	0.0	0.0
09	83.3	69.8	76.5	1.5	1.4	1.3	646.5	586.5	496.5	346.5	196.5	136.5	0.0	0.0	0.0	0.0	0.0	0.7	30.0	0.0	0.0	0.0
10	82.4	69.0	75.7	1.2	1.0	1.0	641.7	579.7	486.7	331.7	176.7	115.1	0.0	0.0	0.0	0.0	0.0	0.3	31.0	0.0	0.0	0.0
11	80.3	67.6	74.0	1.3	1.0	1.0	568.5	508.5	418.5	268.5	119.0	64.2	0.0	0.0	0.0	0.0	0.0	0.1	30.0	0.0	0.0	0.0
12	78.8	65.7	72.2	1.2	0.8	0.8	534.8	472.8	379.8	224.8	73.1	27.3	0.0	0.0	0.0	0.0	0.0	0.0	31.0	0.0	0.0	0.0
Summary	80.6	67.3	74.0	1.4	1.0	1.1	6933	6203	5108	3283	1495	878	0	0	0	0	0.0	1.6	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	7.86	15.7	9.6	4.4	2.1	2.20	5.09	12.94	
02	10.22	16.6	10.9	4.9	2.6	3.50	8.38	14.06	
03	12.68	21.8	14.9	6.4	3.2	4.73	10.54	18.03	
04	9.40	24.5	17.2	5.9	1.9	6.74	8.37	12.26	
05	6.99	22.9	14.2	3.8	1.3	3.39	6.87	8.47	
06	7.30	25.4	16.7	4.3	1.2	4.81	6.37	9.31	
07	9.24	26.6	18.8	5.2	2.0	6.26	7.94	11.36	
08	11.30	27.2	18.2	6.0	2.2	6.80	8.82	13.07	
09	8.70	23.3	15.3	4.8	1.6	4.92	7.96	9.36	
10	10.24	23.4	16.7	6.3	2.5	5.69	9.11	14.07	
11	14.39	23.3	17.3	8.1	4.1	8.61	10.92	18.67	
12	12.07	22.3	16.2	6.8	3.3	7.37	11.10	14.89	
Summary	120.39	273.0	186.0	66.9	28.0	65.02	101.47	156.49	

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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	973.4	875.0	987.3	976.5	1054.0	1057.5	1126.8	1136.2	1096.5	1106.7	1018.5	999.8
45	818.4	735.0	832.3	826.5	899.0	907.5	971.8	981.2	946.5	951.7	868.5	844.8
50	663.4	595.0	677.3	676.5	744.0	757.5	816.8	826.2	796.5	796.7	718.5	689.8
55	508.4	455.0	522.3	526.5	589.0	607.5	661.8	671.2	646.5	641.7	568.5	534.8
60	353.4	315.0	367.3	376.5	434.0	457.5	506.8	516.2	496.5	486.7	418.5	379.8
Growing Degree Units for Corn (Monthly)												
50/86	663.2	594.8	677.2	676.5	743.8	757.3	815.9	825.0	793.6	795.3	718.1	689.7

Growing Degree Units (Accumulated Monthly)												
40	973	1848	2836	3812	4866	5924	7050	8187	9283	10390	11408	12408
45	818	1553	2386	3212	4111	5019	5990	6972	7918	8870	9738	10583
50	663	1258	1936	2612	3356	4114	4930	5757	6553	7350	8068	8758
55	508	963	1486	2012	2601	3209	3870	4542	5188	5830	6398	6933
60	353	668	1036	1412	1846	2304	2810	3327	3823	4310	4728	5108
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	663	1258	1935	2612	3356	4113	4929	5754	6547	7343	8061	8750

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