

Summary of Monthly Normals
1991-2020

Generated on 04/27/2024

Current Location: Elev: 6962 ft. Lat: 20.7603° N Lon: 156.2469° W
Station: HALEAKALA RS 338, HI US USC00511004

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	61.0	43.9	52.5	2.2	2.0	1.9	18.6	7.6	1.6	0.0	0.0	0.0	97.7	148.7	235.6	389.1	0.0	0.0	30.4	0.0	0.0	0.0
02	59.7	42.7	51.2	2.1	1.7	1.7	8.7	3.1	0.6	0.0	0.0	0.0	115.1	165.5	247.0	386.4	0.0	0.0	27.5	0.0	0.1	0.0
03	59.7	43.1	51.4	1.9	1.7	1.6	10.1	3.6	0.5	0.0	0.0	0.0	121.6	177.2	267.1	421.6	0.0	0.0	30.3	0.0	0.0	0.0
04	60.7	43.8	52.2	1.6	1.6	1.5	13.3	5.1	0.9	0.0	0.0	0.0	95.8	147.6	233.4	382.5	0.0	0.0	30.0	0.0	0.0	0.0
05	63.2	45.9	54.6	1.8	1.5	1.6	39.9	19.6	5.3	0.5	0.0	0.0	53.8	95.6	174.3	324.5	0.0	0.0	31.0	0.0	0.0	0.0
06	65.6	47.7	56.6	2.0	1.4	1.5	69.8	38.5	12.0	0.2	0.0	0.0	20.3	49.0	112.5	250.8	0.0	0.0	30.0	0.0	0.0	0.0
07	65.5	48.9	57.2	1.5	1.6	1.4	84.5	46.9	13.5	0.4	0.0	0.0	16.3	40.7	100.3	242.1	0.0	0.0	31.0	0.0	0.0	0.0
08	66.1	49.4	57.7	1.0	1.5	1.0	93.8	50.0	12.7	0.4	0.0	0.0	8.6	26.8	82.5	225.2	0.0	0.0	31.0	0.0	0.0	0.0
09	64.7	47.9	56.3	1.5	1.7	1.4	56.9	26.3	6.0	0.1	0.0	0.0	17.9	47.3	117.0	261.0	0.0	0.0	30.0	0.0	0.0	0.0
10	64.0	47.8	55.9	1.5	1.3	1.2	51.1	21.6	3.9	0.0	0.0	0.0	23.3	55.7	131.0	282.1	0.0	0.0	31.0	0.0	0.0	0.0
11	63.1	47.0	55.0	1.7	1.7	1.5	39.6	16.6	3.8	0.2	0.0	0.0	38.1	75.1	152.3	298.7	0.0	0.0	30.0	0.0	0.0	0.0
12	61.1	45.1	53.1	2.0	1.7	1.4	21.7	8.3	1.2	0.0	0.0	0.0	80.6	129.2	215.1	368.9	0.0	0.0	30.7	0.0	0.0	0.0
Summary	62.9	46.1	54.5	1.7	1.6	1.5	508	247	62	2	0	0	689	1158	2068	3833	0.0	0.0	362.9	0.0	0.1	0.0

Empty or blank cells indicate data is missing or insufficient occurrences to compute value

U.S. Department of Commerce
National Oceanic & Atmospheric Administration
National Environmental Satellite, Data, and Information Service

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National Centers for Environmental Information
151 Patton Avenue
Asheville, North Carolina 28801

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	5.14	9.3	5.9	3.1	1.8	2.72	4.95	7.44
02	4.08	8.8	5.4	2.4	1.0	2.09	3.63	5.32
03	5.70	12.9	7.6	3.8	1.7	2.71	4.17	7.51
04	2.75	12.1	6.0	2.1	0.7	1.69	2.18	2.90
05	2.44	9.3	4.4	0.9	0.4	1.00	1.53	3.85
06	1.62	8.6	3.3	0.7	0.3	0.48	0.92	1.71
07	2.70	10.7	5.0	1.0	0.4	1.31	2.32	3.28
08	2.17	10.7	4.4	0.9	0.5	0.89	1.47	2.60
09	2.53	12.1	5.2	1.3	0.6	1.04	1.82	3.28
10	3.25	11.5	5.5	1.2	0.5	1.22	2.22	4.10
11	4.59	12.3	6.9	2.7	1.4	2.06	3.65	7.16
12	5.28	11.8	6.6	3.1	1.7	2.68	3.84	5.47
Summary	42.25	130.1	66.2	23.2	11.0	19.89	32.70	54.62

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National Centers for Environmental Information
151 Patton Avenue
Asheville, North Carolina 28801

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	385.9	313.7	353.4	367.5	451.1	499.5	533.2	550.2	489.0	492.9	451.5	406.1
45	233.1	175.5	200.4	217.9	296.1	349.5	378.2	395.2	339.0	337.9	301.5	251.8
50	95.8	60.1	70.2	82.5	145.9	199.8	223.4	240.3	189.1	183.6	154.4	107.7
55	18.6	8.7	10.1	13.3	39.9	69.8	84.5	93.8	56.9	51.1	39.6	21.7
60	1.6	0.6	0.5	0.9	5.3	12.0	13.5	12.7	6.0	3.9	3.8	1.2
Growing Degree Units for Corn (Monthly)												
50/86	173.8	137.5	152.2	162.1	210.9	244.8	258.1	268.8	230.4	224.4	202.6	175.5
Growing Degree Units (Accumulated Monthly)												
40	386	700	1053	1420	1872	2371	2904	3454	3944	4436	4888	5294
45	233	409	609	827	1123	1472	1851	2246	2585	2923	3224	3476
50	96	156	226	309	454	654	878	1118	1307	1491	1645	1753
55	19	27	37	51	91	160	245	339	396	447	486	508
60	2	2	3	4	9	21	34	47	53	57	61	62
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	174	311	464	626	836	1081	1339	1608	1839	2063	2266	2441

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