

Summary of Monthly Normals
1991-2020

Generated on 06/03/2024

Current Location: Elev: 11179 ft. Lat: 19.5353° N Lon: 155.5761° W
Station: MAUNA LOA 5 NNE, HI US USW00021514

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	51.1	35.4	43.2	2.9	2.3	2.4	0.1	0.0	0.0	0.0	0.0	0.0	364.4	426.3	519.3	674.3	0.0	0.0	20.6	0.0	6.3	0.0
02	50.1	34.3	42.2	3.2	1.5	2.2	0.0	0.0	0.0	0.0	0.0	0.0	358.4	414.4	498.4	638.4	0.0	0.0	14.7	0.1	9.1	0.0
03	50.5	34.8	42.7	2.0	1.2	1.5	0.0	0.0	0.0	0.0	0.0	0.0	382.8	444.8	537.8	692.8	0.0	0.0	18.2	0.0	7.0	0.0
04	53.1	36.5	44.8	1.6	1.3	1.2	0.1	0.0	0.0	0.0	0.0	0.0	306.1	366.0	456.0	606.0	0.0	0.0	23.6	0.0	3.6	0.0
05	55.5	39.3	47.4	1.4	1.6	1.4	0.6	0.1	0.0	0.0	0.0	0.0	236.2	297.7	390.6	545.6	0.0	0.0	27.9	0.0	0.9	0.0
06	57.6	41.1	49.3	1.4	1.2	1.2	0.7	0.0	0.0	0.0	0.0	0.0	170.2	229.6	319.5	469.5	0.0	0.0	29.5	0.0	0.2	0.0
07	57.5	40.7	49.1	1.0	1.2	1.0	1.0	0.1	0.0	0.0	0.0	0.0	183.8	245.0	337.9	492.9	0.0	0.0	30.3	0.0	0.2	0.0
08	57.3	40.7	49.0	0.9	0.8	0.7	0.7	0.0	0.0	0.0	0.0	0.0	186.7	248.0	341.0	496.0	0.0	0.0	30.1	0.0	0.1	0.0
09	56.5	40.6	48.6	0.9	1.0	0.8	0.3	0.1	0.0	0.0	0.0	0.0	193.8	253.6	343.5	493.5	0.0	0.0	29.1	0.0	0.0	0.0
10	55.8	39.6	47.7	1.2	0.7	0.8	0.1	0.0	0.0	0.0	0.0	0.0	226.4	288.3	381.3	536.3	0.0	0.0	29.4	0.0	0.1	0.0
11	52.4	37.2	44.8	1.6	1.3	1.4	0.0	0.0	0.0	0.0	0.0	0.0	306.0	366.0	456.0	606.0	0.0	0.0	22.3	0.0	2.3	0.0
12	51.1	35.8	43.4	2.4	2.0	1.9	0.0	0.0	0.0	0.0	0.0	0.0	358.0	420.0	513.0	668.0	0.0	0.0	19.7	0.0	4.4	0.0
Summary	54.0	38.0	46.0	1.7	1.3	1.4	4	0	0	0	0	0	3273	4000	5094	6919	0.0	0.0	295.4	0.1	34.2	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	1.10	3.9	1.7	0.5	0.3	0.02	0.42	1.57
02	1.04	5.7	3.0	0.5	0.2	0.35	0.68	1.33
03	1.94	6.8	4.1	1.5	0.2	0.08	0.99	2.82
04	0.87	4.1	2.3	0.4	0.1	0.37	0.59	1.01
05	0.60	4.1	1.7	0.3	0.1	0.25	0.46	0.87
06	0.43	2.1	0.8	0.0	0.0	0.07	0.24	0.61
07	1.27	3.7	1.9	0.8	0.3	0.43	0.90	1.95
08	2.38	6.0	3.9	1.9	1.1	1.13	1.38	2.94
09	0.67	4.8	2.5	0.2	0.0	0.50	0.56	0.79
10	1.47	4.9	2.4	0.4	0.1	0.50	1.18	2.11
11	1.21	4.6	1.9	0.3	0.0	0.20	0.60	1.14
12	1.32	5.6	2.9	1.1	0.4	0.14	0.39	1.40
Summary	14.30	56.3	29.1	7.9	2.8	4.04	8.39	18.54

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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	119.1	86.4	98.4	149.2	230.6	280.5	282.2	279.0	256.5	238.8	148.0	120.3
45	29.9	20.8	22.2	43.1	93.6	135.3	131.9	127.4	110.2	92.8	39.4	27.5
50	2.6	2.4	1.5	3.8	18.0	30.5	28.3	23.9	15.4	9.7	1.1	1.4
55	0.1	0.0	0.0	0.1	0.6	0.7	1.0	0.7	0.3	0.1	0.0	0.0
60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Growing Degree Units for Corn (Monthly)												
50/86	42.0	30.9	36.5	57.4	89.4	114.6	116.5	113.7	98.2	91.8	47.6	40.6

Growing Degree Units (Accumulated Monthly)												
40	119	206	304	453	684	964	1246	1525	1782	2021	2169	2289
45	30	51	73	116	210	345	477	604	714	807	847	874
50	3	5	6	10	28	59	87	111	126	136	137	139
55	0	0	0	0	1	2	2	3	4	4	4	4
60	0	0	0	0	0	0	0	0	0	0	0	0
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	42	73	109	167	256	371	487	601	699	791	839	879

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