

Summary of Monthly Normals
1991-2020

Generated on 04/30/2024

Current Location: Elev: 1194 ft. Lat: 47.8344° N Lon: 120.0006° W

Station: CHELAN, WA US USC00451350

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	34.3	21.6	28.0	3.6	4.2	3.7	0.0	0.0	0.0	0.0	0.0	0.0	838.5	900.5	993.4	1148.5	0.0	0.0	0.6	12.2	27.6	0.3	
02	41.7	24.3	33.0	4.4	3.6	3.9	0.0	0.0	0.0	0.0	0.0	0.0	616.0	672.0	756.0	896.0	0.0	0.0	3.2	3.8	22.2	0.0	
03	51.9	30.3	41.1	3.1	2.4	2.6	0.3	0.1	0.0	0.0	0.0	0.0	431.2	493.0	585.9	740.9	0.0	0.0	19.2	0.5	13.4	0.0	
04	62.1	37.5	49.8	2.8	1.9	2.2	17.2	9.4	3.3	0.4	0.0	0.0	173.2	225.3	309.3	456.4	0.0	0.0	28.9	0.0	1.8	0.0	
05	71.9	46.2	59.0	3.2	2.3	2.7	158.7	118.0	69.9	22.4	4.2	2.0	33.1	54.5	99.4	206.9	0.0	0.4	31.0	0.0	0.1	0.0	
06	77.9	53.0	65.4	3.8	2.3	2.9	315.2	258.2	179.0	80.7	29.4	18.2	1.7	4.7	15.5	67.2	0.1	2.7	30.0	0.0	0.0	0.0	
07	86.6	59.1	72.8	3.4	2.5	2.8	553.3	491.3	398.8	252.7	130.1	91.7	0.0	0.0	0.5	9.4	1.0	10.0	31.0	0.0	0.0	0.0	
08	87.0	58.1	72.5	2.6	1.7	2.0	544.0	482.1	389.9	242.6	119.1	80.7	0.0	0.1	0.9	8.6	0.7	10.9	31.0	0.0	0.0	0.0	
09	77.2	49.2	63.2	2.6	1.8	1.9	253.1	201.3	133.4	53.0	13.2	6.0	7.1	15.3	37.5	107.0	0.0	1.4	29.9	0.0	0.0	0.0	
10	62.2	38.8	50.5	2.1	2.4	2.0	29.8	17.9	6.9	0.6	0.0	0.0	169.3	219.4	301.4	450.1	0.0	0.0	28.7	0.1	1.9	0.0	
11	45.7	29.5	37.6	2.7	3.2	2.8	0.1	0.0	0.0	0.0	0.0	0.0	522.1	582.0	672.0	822.0	0.0	0.0	8.8	1.7	15.0	0.0	
12	34.9	22.6	28.7	3.6	3.9	3.6	0.0	0.0	0.0	0.0	0.0	0.0	813.7	875.7	968.6	1123.7	0.0	0.0	0.9	12.8	27.0	0.0	
Summary	61.1	39.2	50.1	3.2	2.7	2.8	1872	1578	1181	652	296	199	3606	4042	4740	6037	1.8	25.4	243.2	31.1	109.0	0.3	

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	1.52	9.3	5.3	0.7	0.1	0.82	1.45	2.04
02	1.22	7.2	3.7	0.4	0.0	0.70	0.94	1.86
03	1.09	7.1	3.5	0.4	0.0	0.50	0.79	1.36
04	0.75	5.1	2.5	0.2	0.0	0.37	0.63	1.06
05	1.05	6.2	2.9	0.6	0.1	0.36	0.85	1.23
06	0.87	4.6	2.0	0.4	0.1	0.23	0.70	1.11
07	0.42	2.7	1.1	0.1	0.1	0.07	0.25	0.48
08	0.32	2.0	1.0	0.1	0.0	0.02	0.11	0.48
09	0.34	2.4	1.0	0.2	0.0	0.05	0.14	0.39
10	1.04	6.3	2.9	0.6	0.1	0.55	0.95	1.36
11	1.51	8.5	4.4	0.7	0.0	0.86	1.41	2.01
12	1.83	9.5	6.5	0.7	0.2	1.06	1.45	2.40
Summary	11.96	70.9	36.8	5.1	0.7	5.59	9.67	15.78

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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

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	7.70	5.0	3.0	0.8	0.1	0.0					3.50	6.50	12.00
02	2.00	1.9	0.8	0.2	0.1	0.0					0.00	1.40	3.50
03	0.70	0.8	0.4	0.0	0.0	0.0					0.00	0.00	0.70
04	0.00	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					0.00	0.00	0.00
06	0.00	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					0.00	0.00	0.00
08	0.00	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					0.00	0.00	0.00
10	0.00	0.0	0.0	0.0	0.0	0.0					0.00	0.00	0.00
11	1.40	1.5	0.9	0.3	0.1	0.0					0.00	0.40	2.20
12	8.70	5.4	3.1	0.9	0.2	0.0					2.50	7.10	9.90
Summary	20.5	14.6	8.2	2.2	0.5	0.0	0.0	0.0	0.0	0.0	6.0	15.4	28.3

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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	1.4	7.3	89.7	295.0	590.5	763.5	1018.3	1009.0	696.0	332.0	48.4	2.8
45	0.1	0.3	23.5	159.2	435.7	613.5	863.2	853.9	546.2	193.0	10.9	0.3
50	0.0	0.0	3.0	63.3	286.9	463.6	708.2	698.9	396.8	88.1	1.1	0.1
55	0.0	0.0	0.3	17.2	158.7	315.2	553.3	544.0	253.1	29.8	0.1	0.0
60	0.0	0.0	0.0	3.3	69.9	179.0	398.8	389.9	133.4	6.9	0.0	0.0
Growing Degree Units for Corn (Monthly)												
50/86	1.1	6.0	63.5	184.9	349.8	465.2	655.5	645.1	428.9	195.5	22.2	1.4

Growing Degree Units (Accumulated Monthly)												
40	1	9	98	393	984	1747	2766	3775	4471	4803	4851	4854
45	0	0	24	183	619	1232	2096	2949	3496	3689	3700	3700
50	0	0	3	66	353	817	1525	2224	2621	2709	2710	2710
55	0	0	0	18	176	491	1045	1589	1842	1872	1872	1872
60	0	0	0	3	73	252	651	1041	1174	1181	1181	1181
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	1	7	71	256	605	1070	1726	2371	2800	2996	3018	3019

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