

Summary of Monthly Normals
1991-2020

Generated on 05/23/2024

Current Location: Elev: 593 ft. Lat: 45.3172° N Lon: 85.2672° W

Station: CHARLEVOIX, MI US USC00201468

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	28.7	17.5	23.1	3.7	5.1	4.4	0.0	0.0	0.0	0.0	0.0	0.0	988.7	1050.7	1143.7	1298.8	0.0	0.0	0.2	20.0	29.1	1.6
02	29.2	15.9	22.6	4.9	6.2	5.5	0.0	0.0	0.0	0.0	0.0	0.0	908.5	964.5	1048.5	1188.5	0.0	0.0	0.7	17.2	26.7	1.9
03	37.1	21.7	29.4	4.6	5.1	4.7	1.7	1.1	0.5	0.0	0.0	0.0	795.3	856.7	949.0	1103.6	0.0	0.0	4.3	10.4	26.0	1.6
04	48.0	32.5	40.3	4.3	2.6	3.4	7.7	4.3	1.6	0.3	0.0	0.0	450.1	506.7	594.1	742.7	0.0	0.0	12.2	1.6	13.4	0.0
05	61.0	43.0	52.0	4.1	3.0	3.4	66.5	47.5	27.5	9.2	2.2	1.2	159.5	202.5	275.5	412.2	0.0	0.2	26.4	0.0	0.6	0.0
06	71.0	53.9	62.5	2.5	2.3	2.3	239.4	190.8	128.0	54.7	17.7	10.2	16.0	27.4	54.7	131.3	0.0	0.7	29.8	0.0	0.0	0.0
07	76.0	61.3	68.7	2.8	2.3	2.5	423.3	361.9	272.7	141.7	51.7	29.6	0.3	0.9	4.7	28.6	0.0	0.9	31.0	0.0	0.0	0.0
08	75.6	60.6	68.1	2.4	2.3	2.2	406.1	344.6	254.4	121.5	37.4	20.3	0.1	0.6	3.4	25.5	0.0	0.7	31.0	0.0	0.0	0.0
09	69.8	53.3	61.5	2.8	2.3	2.5	219.3	173.1	114.1	47.1	13.4	7.3	22.9	36.7	67.7	150.7	0.0	0.4	29.9	0.0	0.0	0.0
10	56.7	42.7	49.7	3.0	2.4	2.6	41.8	28.6	15.0	4.2	1.0	0.6	206.0	254.8	334.2	478.5	0.0	0.0	23.0	0.0	1.7	0.0
11	44.6	33.5	39.1	4.0	3.1	3.5	2.5	1.2	0.3	0.0	0.0	0.0	481.0	539.7	628.8	778.5	0.0	0.0	8.9	1.7	11.5	0.0
12	34.5	24.6	29.6	3.7	3.9	3.7	0.0	0.0	0.0	0.0	0.0	0.0	788.9	850.9	943.9	1098.9	0.0	0.0	1.0	11.6	25.8	0.2
Summary	52.7	38.4	45.5	3.6	3.4	3.4	1408	1153	814	379	123	69	4817	5292	6048	7438	0.0	2.9	198.4	62.5	134.8	5.3

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	2.27	18.7	8.1	0.7	0.0	1.63	2.04	3.04	
02	1.54	13.7	6.3	0.5	0.1	0.90	1.48	1.88	
03	1.86	10.4	5.3	1.0	0.2	0.92	1.67	2.72	
04	2.92	11.1	6.8	1.8	0.4	1.95	2.75	3.75	
05	3.05	12.8	7.4	2.3	0.5	2.14	2.95	3.68	
06	2.88	10.5	5.5	1.8	0.7	2.01	2.80	3.60	
07	2.72	9.7	5.3	1.7	0.5	2.12	2.53	3.62	
08	3.24	10.5	5.9	2.0	0.6	2.22	3.35	4.11	
09	3.60	12.4	7.2	2.7	0.6	2.96	3.57	4.37	
10	4.33	17.0	9.8	2.5	0.7	2.59	4.18	5.78	
11	2.83	15.9	8.6	1.4	0.2	1.46	2.53	3.71	
12	2.50	17.5	8.6	0.9	0.2	1.59	2.25	3.54	
Summary	33.74	160.2	84.8	19.3	4.7	22.49	32.10	43.80	

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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	29.90	15.7	11.0	4.2	1.6	0.1	28.8	26.4	21.6	12.0	20.60	27.10	35.10
02	19.30	11.4	7.7	2.8	0.8	0.0	27.6	23.8	21.1	13.1	15.30	18.00	25.30
03	12.00	6.3	4.0	1.6	0.7	0.2	22.7	19.4	15.9	10.3	6.80	11.70	15.70
04	5.00	2.3	1.7	0.8	0.3	0.1	4.3	2.2	1.3	0.8	0.10	2.00	7.00
05	0.10	0.2	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	0.20	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
11	6.40	4.9	3.0	0.9	0.2	0.0	4.7	2.4	1.2	0.4	1.00	3.50	9.50
12	27.30	13.0	9.4	3.9	1.6	0.2	20.6	15.3	11.7	5.5	12.50	22.90	40.70
Summary	100.2	54.2	36.9	14.2	5.2	0.6	108.7	89.5	72.8	42.1	56.3	85.2	133.3

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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	0.5	2.5	26.3	105.7	377.9	673.4	888.0	871.0	646.4	306.8	77.4	8.3
45	0.0	0.5	11.7	51.7	244.9	523.6	733.0	716.0	496.8	182.0	30.4	1.9
50	0.0	0.1	4.8	22.4	138.3	375.8	578.0	561.0	351.4	94.0	9.3	0.2
55	0.0	0.0	1.7	7.7	66.5	239.4	423.3	406.1	219.3	41.8	2.5	0.0
60	0.0	0.0	0.5	1.6	27.5	128.0	272.7	254.4	114.1	15.0	0.3	0.0
Growing Degree Units for Corn (Monthly)												
50/86	0.0	1.2	15.9	58.9	193.0	385.6	575.7	559.1	366.9	131.0	25.8	2.0
Growing Degree Units (Accumulated Monthly)												
40	0	3	29	135	513	1186	2074	2945	3592	3899	3976	3984
45	0	0	12	64	309	832	1565	2281	2778	2960	2991	2993
50	0	0	5	27	166	541	1119	1680	2032	2126	2135	2135
55	0	0	2	9	76	315	739	1145	1364	1406	1408	1408
60	0	0	0	2	30	158	430	685	799	814	814	814
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	0	1	17	76	269	655	1230	1789	2156	2287	2313	2315

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