

Summary of Monthly Normals
1991-2020

Generated on 05/23/2024

Current Location: Elev: 823 ft. Lat: 46.1797° N Lon: 85.0311° W

Station: TROUT LAKE 1SW, MI US USC00208293

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	24.8	8.9	16.9	4.6	6.4	5.4	0.0	0.0	0.0	0.0	0.0	0.0	1182.5	1244.5	1337.4	1492.5	0.0	0.0	0.0	23.7	30.6	9.9
02	27.8	9.0	18.4	4.6	6.6	5.5	0.0	0.0	0.0	0.0	0.0	0.0	1024.8	1080.8	1164.7	1304.8	0.0	0.0	0.4	18.6	27.8	9.4
03	38.0	16.4	27.2	4.6	5.0	4.6	1.1	0.7	0.2	0.0	0.0	0.0	863.0	924.5	1017.0	1171.8	0.0	0.0	4.1	8.2	28.7	4.9
04	50.4	28.6	39.5	4.4	2.7	3.3	4.0	1.9	0.3	0.0	0.0	0.0	469.0	526.9	615.2	765.0	0.0	0.0	16.5	0.7	21.3	0.0
05	64.6	40.0	52.3	3.9	3.2	3.4	70.0	49.0	26.3	6.8	0.7	0.2	153.7	194.8	265.0	400.6	0.0	0.0	29.0	0.0	7.3	0.0
06	73.3	49.8	61.5	2.7	2.2	2.2	214.7	166.0	103.6	36.3	6.9	2.5	18.3	29.6	57.3	140.0	0.0	0.0	30.0	0.0	0.5	0.0
07	76.5	54.4	65.4	3.1	3.0	2.9	326.3	267.4	186.2	80.5	21.8	10.5	2.4	5.5	17.3	66.6	0.0	0.6	31.0	0.0	0.0	0.0
08	75.2	54.3	64.8	2.5	2.8	2.3	306.3	248.6	169.0	67.3	15.6	7.1	4.1	8.4	21.9	75.1	0.0	0.2	31.0	0.0	0.0	0.0
09	67.4	47.7	57.6	2.6	3.2	2.7	136.2	102.5	61.7	19.7	3.0	0.9	59.8	86.0	135.3	243.3	0.0	0.0	29.5	0.0	1.5	0.0
10	53.8	37.2	45.5	3.5	2.6	2.9	18.3	11.6	5.3	1.2	0.2	0.1	312.8	368.0	454.7	605.6	0.0	0.0	20.9	0.1	11.8	0.0
11	40.5	27.4	34.0	4.1	3.1	3.5	0.2	0.1	0.0	0.0	0.0	0.0	631.7	691.6	781.5	931.5	0.0	0.0	5.7	5.2	22.5	0.1
12	30.3	17.1	23.7	4.0	5.5	4.7	0.0	0.0	0.0	0.0	0.0	0.0	970.2	1032.2	1125.2	1280.2	0.0	0.0	0.2	17.4	29.7	3.7
Summary	51.9	32.6	42.2	3.7	3.9	3.6	1077	848	553	212	48	21	5692	6193	6992	8477	0.0	0.8	198.3	73.9	181.7	28.0

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	1.91	14.7	6.1	0.3	0.1	1.29	1.79	2.10
02	1.26	9.7	4.4	0.5	0.1	0.60	1.09	1.61
03	1.99	8.1	4.8	1.2	0.2	1.05	2.02	2.72
04	2.68	9.5	6.2	2.2	0.6	1.79	2.55	3.48
05	2.72	10.8	6.6	1.6	0.2	2.08	2.77	3.29
06	2.84	10.9	7.0	1.9	0.3	1.80	2.50	3.59
07	3.45	11.9	7.4	2.4	0.7	2.16	3.09	4.51
08	3.07	10.5	6.3	1.9	0.7	2.26	2.89	3.97
09	4.02	12.7	7.9	2.8	1.0	2.55	3.92	5.09
10	4.28	15.0	9.2	2.5	0.5	2.72	3.94	5.66
11	3.01	12.7	7.3	1.7	0.4	2.23	3.14	3.60
12	2.29	14.4	6.5	0.9	0.1	1.68	2.03	2.54
Summary	33.52	140.9	79.7	19.9	4.9	22.21	31.73	42.16

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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	29.90	13.9	9.4	2.7	1.0	0.2	29.9	27.9	25.9	15.5	22.90	29.40	35.00
02	17.70	8.8	6.0	1.5	0.6	0.0	28.4	28.0	27.4	20.8	9.90	16.80	22.80
03	12.30	4.5	3.3	1.2	0.5	0.0	23.7	21.8	20.9	16.3	7.40	15.30	17.00
04	3.90	2.0	1.7	0.4	0.2	0.1	5.9	4.8	3.7	1.5	0.00	1.70	5.00
05	0.10	0.1	0.1	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	0.50	0.5	0.2	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.00	0.00	0.90
11	8.80	4.2	3.1	1.0	0.3	0.0	4.7	2.5	1.6	0.0	5.10	6.00	15.00
12	25.30	9.7	7.4	2.2	1.1	0.1	22.9	17.5	13.9	5.3	14.30	21.60	25.10
Summary	98.5	43.7	31.2	9.0	3.7	0.4	115.6	102.5	93.4	59.4	59.6	90.8	120.8

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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	0.1	0.7	18.9	94.4	386.2	646.3	788.8	767.0	527.2	205.8	31.9	2.0
45	0.0	0.1	7.4	42.1	252.3	496.8	634.0	612.1	381.3	110.4	8.8	0.4
50	0.0	0.0	2.9	15.6	144.7	350.6	479.3	457.5	247.5	50.8	1.6	0.0
55	0.0	0.0	1.1	4.0	70.0	214.7	326.3	306.3	136.2	18.3	0.2	0.0
60	0.0	0.0	0.2	0.3	26.3	103.6	186.2	169.0	61.7	5.3	0.0	0.0
Growing Degree Units for Corn (Monthly)												
50/86	0.0	0.4	12.2	68.5	240.0	392.0	496.4	477.1	302.5	97.7	10.1	0.4
Growing Degree Units (Accumulated Monthly)												
40	0	1	20	114	500	1147	1935	2702	3230	3435	3467	3469
45	0	0	8	50	302	799	1433	2045	2426	2537	2545	2546
50	0	0	3	18	163	514	993	1451	1698	1749	1750	1750
55	0	0	1	5	75	290	616	922	1059	1077	1077	1077
60	0	0	0	0	27	130	317	486	547	553	553	553
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	0	0	13	81	321	713	1210	1687	1989	2087	2097	2097

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