

Summary of Monthly Normals
1991-2020

Current Location: Elev: 680 ft. Lat: 46.4122° N Lon: 86.6625° W
Station: **MUNISING, MI US USC00205690**

Generated on 05/11/2024

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	23.4	11.4	17.4	4.2	5.3	4.7	0.0	0.0	0.0	0.0	0.0	0.0	1165.5	1227.5	1320.5	1475.5	0.0	0.0	0.0	24.5	30.7	5.1
02	25.3	11.5	18.4	5.0	5.7	5.3	0.0	0.0	0.0	0.0	0.0	0.0	1024.7	1080.7	1164.7	1304.8	0.0	0.0	0.2	20.4	27.6	4.4
03	33.4	19.0	26.2	4.4	4.6	4.4	0.7	0.4	0.2	0.0	0.0	0.0	893.5	955.2	1048.0	1202.8	0.0	0.0	2.1	12.9	28.4	1.3
04	44.6	28.5	36.6	4.2	2.7	3.3	3.0	1.5	0.4	0.0	0.0	0.0	556.5	614.9	703.8	853.5	0.0	0.0	9.2	2.8	19.9	0.0
05	58.6	39.1	48.9	4.4	2.5	3.3	49.4	35.0	19.6	5.8	0.9	0.3	240.2	287.7	365.3	506.4	0.0	0.1	23.5	0.0	4.8	0.0
06	67.6	49.0	58.3	2.6	2.1	2.2	156.9	121.6	77.8	29.8	7.2	3.6	57.9	82.6	128.8	230.8	0.0	0.4	29.3	0.0	0.1	0.0
07	72.7	55.4	64.1	3.6	2.8	3.2	289.2	234.9	162.0	70.7	19.7	9.8	8.7	16.4	36.5	100.2	0.0	0.5	31.0	0.0	0.0	0.0
08	72.0	54.8	63.4	2.8	2.6	2.3	265.7	209.7	134.6	47.9	10.4	4.5	5.4	11.4	29.2	97.6	0.0	0.3	31.0	0.0	0.0	0.0
09	64.6	48.7	56.7	2.7	2.7	2.6	118.2	86.6	49.5	14.6	2.5	1.1	68.7	97.2	150.1	265.1	0.0	0.0	29.3	0.0	0.1	0.0
10	51.6	37.7	44.6	3.2	2.7	2.9	13.4	7.8	3.1	0.5	0.0	0.0	334.2	390.6	478.9	631.3	0.0	0.0	18.3	0.0	6.9	0.0
11	39.1	27.5	33.3	4.7	4.2	4.4	0.2	0.0	0.0	0.0	0.0	0.0	651.2	711.0	801.0	951.0	0.0	0.0	4.7	6.3	21.2	0.0
12	29.0	17.9	23.5	3.6	4.8	4.1	0.0	0.0	0.0	0.0	0.0	0.0	978.0	1040.0	1133.0	1288.0	0.0	0.0	0.2	18.0	29.6	2.2
Summary	48.5	33.4	40.9	3.8	3.6	3.6	897	697	447	169	41	19	5984	6515	7360	8907	0.0	1.3	178.8	84.9	169.3	13.0

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	3.54	22.0	12.4	0.9	0.1	2.64	3.78	4.39
02	2.38	16.8	8.4	0.7	0.0	1.68	2.39	2.82
03	2.01	12.4	6.4	0.9	0.1	1.28	1.99	2.54
04	2.94	11.4	7.5	1.8	0.3	1.71	2.95	3.87
05	3.08	12.5	7.9	2.3	0.6	2.12	2.81	3.83
06	3.23	11.7	7.4	2.5	0.8	2.06	3.08	4.03
07	3.44	11.9	7.7	2.4	0.7	1.89	3.31	5.02
08	3.15	10.3	5.9	1.9	0.7	2.37	3.32	4.15
09	4.24	14.2	8.5	2.9	1.0	3.26	4.19	5.17
10	4.93	17.6	11.3	3.1	1.1	3.23	4.72	6.64
11	3.47	16.5	9.7	2.2	0.3	2.49	3.48	4.62
12	3.44	18.7	12.3	1.3	0.2	2.51	3.14	4.64
Summary	39.85	176.0	105.4	22.9	5.9	27.24	39.16	51.72

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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	46.00	21.4	15.5	7.4	2.9	0.3	30.8	30.6	30.3	27.3	33.40	47.50	53.40
02	32.40	16.0	11.2	4.8	1.9	0.2	28.5	28.5	28.5	28.5	19.40	30.70	42.20
03	17.90	9.0	6.1	2.3	0.7	0.0	30.8	30.6	30.2	28.8	12.20	15.10	23.70
04	9.60	3.5	2.4	1.1	0.7	0.2	18.2	17.5	17.0	15.2	2.60	5.00	11.30
05	0.00	0.2	0.0	0.0	0.0	0.0	0.4	0.2	0.2	0.1	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	1.10	1.3	0.6	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.00	0.00	1.30
11	14.90	8.1	4.4	2.0	0.8	0.1	12.0	9.3	6.4	2.3	6.00	8.00	22.30
12	39.10	16.2	12.3	5.4	1.9	0.2	26.4	23.8	21.6	12.9	24.40	35.70	54.10
Summary	161.0	75.7	52.5	23.0	8.9	1.0	147.8	140.5	134.2	115.1	98.0	142.0	208.3

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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	0.0	0.3	8.8	58.5	294.1	549.2	745.5	725.3	500.0	182.4	29.3	1.0
45	0.0	0.0	3.8	26.0	182.5	401.8	590.5	570.3	354.3	93.2	8.8	0.1
50	0.0	0.0	1.6	9.8	101.2	267.0	436.5	415.6	222.6	40.3	2.0	0.0
55	0.0	0.0	0.7	3.0	49.4	156.9	289.2	265.7	118.2	13.4	0.2	0.0
60	0.0	0.0	0.2	0.4	19.6	77.8	162.0	134.6	49.5	3.1	0.0	0.0
Growing Degree Units for Corn (Monthly)												
50/86	0.0	0.1	5.1	37.5	163.5	300.0	443.3	423.3	255.9	73.5	9.1	0.2

Growing Degree Units (Accumulated Monthly)												
40	0	0	9	68	362	911	1656	2382	2882	3064	3093	3094
45	0	0	4	30	212	614	1205	1775	2129	2222	2231	2231
50	0	0	2	11	113	380	816	1232	1454	1495	1497	1497
55	0	0	1	4	53	210	499	765	883	896	897	897
60	0	0	0	1	20	98	260	395	444	447	447	447
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	0	0	5	43	206	506	950	1373	1629	1702	1711	1712

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