

Summary of Monthly Normals
1991-2020

Generated on 05/03/2024

Current Location: Elev: 1411 ft. Lat: 46.5311° N Lon: 87.5483° W

Station: MARQUETTE, MI US USW00094850

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	21.5	7.2	14.3	4.6	5.8	5.1	0.0	0.0	0.0	0.0	0.0	0.0	1260.0	1322.0	1415.0	1570.0	0.0	0.0	0.0	26.7	30.9	9.5
02	24.9	6.8	15.8	5.4	6.3	5.7	0.0	0.0	0.0	0.0	0.0	0.0	1096.1	1152.1	1236.1	1376.0	0.0	0.0	0.5	21.8	27.7	9.6
03	34.9	15.1	25.0	5.0	5.4	5.0	1.5	1.2	0.6	0.1	0.0	0.0	931.6	993.2	1085.6	1240.1	0.0	0.0	3.6	13.2	28.9	4.3
04	46.5	27.1	36.8	4.7	3.5	3.9	6.2	3.7	1.6	0.4	0.1	0.0	552.2	609.6	697.5	846.3	0.0	0.0	11.6	3.8	23.3	0.3
05	61.7	39.6	50.6	4.1	3.1	3.5	73.1	55.2	33.9	12.3	2.6	1.1	208.1	252.2	323.9	457.3	0.0	0.1	25.3	0.0	7.3	0.0
06	71.8	49.7	60.7	2.9	2.1	2.3	205.4	162.8	109.1	46.7	14.3	7.8	33.0	50.3	86.7	174.3	0.0	0.8	29.7	0.0	0.3	0.0
07	76.0	54.5	65.3	3.4	2.5	2.8	322.3	265.7	188.9	89.7	31.1	17.6	4.7	10.1	26.2	82.1	0.0	1.1	31.0	0.0	0.0	0.0
08	74.2	53.1	63.6	2.6	2.6	2.4	276.0	222.1	150.5	62.8	17.6	9.5	7.9	16.1	37.4	104.8	0.0	0.6	31.0	0.0	0.0	0.0
09	66.3	46.3	56.3	3.4	2.9	3.0	126.6	97.0	61.6	23.5	6.1	3.3	87.7	118.1	172.7	284.6	0.0	0.2	28.7	0.0	1.6	0.0
10	51.7	35.2	43.5	3.7	2.9	3.2	18.8	12.5	6.4	1.4	0.2	0.1	376.8	432.5	519.5	669.4	0.0	0.0	16.8	0.5	13.5	0.0
11	37.4	24.2	30.8	5.5	4.5	4.9	1.1	0.6	0.1	0.0	0.0	0.0	727.1	786.5	876.1	1026.0	0.0	0.0	4.3	10.2	25.1	0.4
12	26.6	13.9	20.2	4.1	4.9	4.4	0.0	0.0	0.0	0.0	0.0	0.0	1077.2	1139.2	1232.2	1387.1	0.0	0.0	0.3	22.4	30.3	4.7
Summary	49.5	31.1	40.2	4.1	3.9	3.9	1031	821	553	237	72	39	6362	6882	7709	9218	0.0	2.8	182.8	98.6	188.9	28.8

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	2.33	17.9	6.8	0.9	0.2	1.61	2.08	2.71	
02	2.24	14.0	6.6	1.0	0.2	1.37	1.92	2.88	
03	2.67	13.8	6.4	1.3	0.5	1.46	2.52	3.53	
04	3.35	12.4	6.9	2.2	0.7	2.23	3.36	4.42	
05	3.37	12.8	7.2	1.9	0.6	2.19	2.88	4.28	
06	3.27	12.6	7.3	2.2	0.6	2.44	3.35	3.91	
07	3.10	12.1	7.1	1.9	0.5	1.97	2.95	4.16	
08	2.85	10.5	6.2	1.6	0.6	2.00	2.70	3.99	
09	3.96	13.1	7.8	2.4	0.8	2.96	3.65	4.53	
10	4.04	15.9	8.4	2.5	0.8	2.66	3.52	5.17	
11	2.90	15.2	7.0	1.6	0.4	2.12	2.67	3.43	
12	2.60	16.6	7.0	1.0	0.3	1.68	2.43	3.15	
Summary	36.68	166.9	84.7	20.5	6.2	24.69	34.03	46.16	

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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	42.10	20.6	12.0	4.9	2.0	0.3	31.0	30.4	30.2	26.8	33.90	41.30	47.00
02	36.80	16.4	8.9	4.2	2.3	0.5	28.4	28.3	28.2	27.5	23.70	35.20	41.60
03	29.40	12.8	6.7	3.0	1.7	0.5	30.0	29.3	28.4	25.0	20.20	27.90	39.00
04	17.60	7.2	3.5	1.8	1.1	0.3	15.8	14.1	13.0	9.9	5.70	12.20	27.60
05	1.40	1.2	0.5	0.1	0.1	0.0	0.8	0.4	0.3	0.1	0.00	0.10	1.20
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	0.10	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
10	5.30	4.1	1.6	0.4	0.2	0.0	2.5	1.1	0.6	0.1	1.30	3.20	8.60
11	24.20	12.9	6.3	2.2	1.1	0.4	15.8	10.1	6.5	2.5	11.00	22.10	37.60
12	39.90	18.0	9.7	4.3	2.2	0.7	28.7	25.7	22.3	15.4	27.10	37.40	48.50
Summary	196.8	93.3	49.2	20.9	10.7	2.7	153.0	139.4	129.5	107.3	122.9	179.4	251.1

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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	1.1	17.1	77.4	347.4	622.3	782.5	733.0	490.3	170.7	27.9	0.5
45	0.0	0.2	7.5	38.6	227.4	473.9	627.6	578.0	349.1	93.4	10.7	0.0
50	0.0	0.0	3.3	16.9	135.8	331.6	473.0	423.7	224.7	45.6	3.9	0.0
55	0.0	0.0	1.5	6.2	73.1	205.4	322.3	276.0	126.6	18.8	1.1	0.0
60	0.0	0.0	0.6	1.6	33.9	109.1	188.9	150.5	61.6	6.4	0.1	0.0
Growing Degree Units for Corn (Monthly)												
50/86	0.0	0.7	11.6	56.1	210.2	370.9	484.2	444.8	276.8	86.5	12.5	0.3

Growing Degree Units (Accumulated Monthly)												
40	0	1	18	96	443	1065	1848	2581	3071	3242	3270	3270
45	0	0	8	46	274	748	1375	1953	2302	2396	2406	2406
50	0	0	3	20	156	488	961	1384	1609	1655	1658	1658
55	0	0	2	8	81	286	608	884	1011	1030	1031	1031
60	0	0	1	2	36	145	334	485	546	553	553	553
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	0	1	12	68	279	650	1134	1578	1855	1942	1954	1955

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