

Summary of Monthly Normals
1991-2020

Generated on 06/03/2024

Current Location: Elev: 613 ft. Lat: 42.4078° N Lon: 82.8892° W

Station: GROSSE POINTE FARMS, MI US USC00203477

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	31.5	16.6	24.0	4.4	5.4	4.8	0.0	0.0	0.0	0.0	0.0	0.0	959.3	1021.3	1114.2	1269.2	0.0	0.0	2.4	16.5	28.0	1.6
02	33.9	17.7	25.8	4.8	5.0	4.8	0.0	0.0	0.0	0.0	0.0	0.0	817.6	873.6	957.5	1097.5	0.0	0.0	2.6	11.9	25.1	1.1
03	42.9	25.0	33.9	4.9	4.3	4.4	3.4	2.0	0.8	0.0	0.0	0.0	655.9	716.5	808.3	962.5	0.0	0.0	8.6	4.8	22.7	0.1
04	55.5	35.8	45.7	3.5	2.6	2.9	22.3	14.6	7.3	2.4	0.5	0.2	302.8	355.1	437.8	582.9	0.0	0.0	21.2	0.3	7.5	0.0
05	67.0	47.5	57.3	3.1	3.2	3.0	142.0	109.3	70.7	30.3	9.4	5.0	72.3	101.6	156.0	270.6	0.0	0.1	30.2	0.0	0.4	0.0
06	77.2	57.8	67.5	2.5	2.0	2.1	377.7	320.8	240.3	126.4	50.6	32.0	2.8	5.9	15.5	51.6	0.0	2.4	30.0	0.0	0.0	0.0
07	82.0	62.4	72.2	3.3	2.5	2.8	533.1	471.1	378.5	231.0	109.8	74.0	0.0	0.0	0.3	7.8	0.1	5.2	31.0	0.0	0.0	0.0
08	79.8	61.2	70.5	2.3	2.3	2.2	480.5	418.6	326.8	184.2	76.1	47.0	0.1	0.2	1.4	13.8	0.1	2.3	31.0	0.0	0.0	0.0
09	72.7	53.9	63.3	2.6	2.1	2.2	264.2	214.4	148.4	65.4	18.8	9.9	15.3	25.5	49.5	116.5	0.0	0.7	30.0	0.0	0.0	0.0
10	60.4	42.5	51.4	2.7	2.5	2.4	58.5	40.1	20.6	5.4	0.9	0.3	168.6	212.1	285.6	425.5	0.0	0.0	27.7	0.0	2.0	0.0
11	47.3	31.9	39.6	4.6	3.4	3.8	3.6	1.7	0.4	0.0	0.0	0.0	465.6	523.7	612.3	761.9	0.0	0.0	12.9	1.3	13.7	0.0
12	37.0	23.8	30.4	4.6	4.4	4.4	0.4	0.1	0.0	0.0	0.0	0.0	762.9	824.7	917.6	1072.6	0.0	0.0	3.0	9.6	24.6	0.3
Summary	57.3	39.7	48.5	3.6	3.3	3.3	1886	1593	1194	645	266	168	4223	4660	5356	6632	0.2	10.7	230.6	44.4	124.0	3.1

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	2.09	10.7	6.7	1.1	0.3	1.57	1.88	2.81
02	2.15	8.3	5.3	1.1	0.4	1.43	1.98	2.91
03	2.55	8.4	5.3	1.5	0.4	1.62	2.26	3.49
04	3.41	11.3	7.4	2.1	0.5	2.50	3.57	4.27
05	3.86	11.9	8.2	2.7	0.8	2.50	3.96	5.06
06	3.64	10.7	7.5	2.4	0.9	2.77	3.46	4.24
07	3.38	10.0	7.1	2.0	0.8	2.56	3.23	4.06
08	3.47	9.4	6.3	2.3	0.9	2.55	3.55	4.75
09	3.31	8.9	6.7	2.2	0.8	1.76	3.31	4.54
10	2.80	10.1	6.2	1.8	0.4	2.07	2.49	3.08
11	2.79	9.5	6.3	1.8	0.4	1.97	2.71	3.37
12	2.36	10.5	6.0	1.5	0.2	1.76	2.39	2.92
Summary	35.81	119.7	79.0	22.5	6.8	25.06	34.79	45.50

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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	9.40	5.2	3.9	1.3	0.5	0.0	17.9	12.9	7.4	1.8	5.90	7.00	9.90
02	7.40	4.3	3.0	1.0	0.3	0.0	16.4	10.2	5.8	1.7	2.70	5.70	11.90
03	3.50	1.9	1.5	0.4	0.1	0.0	6.6	3.7	1.7	0.1	0.40	1.90	4.50
04	0.30	0.3	0.2	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.00	0.00	0.00
05	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
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	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
11	0.40	0.6	0.3	0.0	0.0	0.0	0.9	0.4	0.2	0.0	0.00	0.00	0.00
12	6.90	3.2	2.4	0.9	0.3	0.0	7.6	5.1	3.6	0.4	1.30	4.90	9.60
Summary	27.9	15.5	11.3	3.6	1.2	0.0	49.6	32.4	18.7	4.0	10.3	19.5	35.9

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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	5.1	8.5	51.8	211.9	535.4	824.8	998.1	945.4	698.9	362.2	100.6	17.9
45	0.7	2.2	23.7	117.6	385.3	674.9	843.1	790.4	549.2	231.3	44.6	5.6
50	0.1	0.3	9.6	55.5	249.7	525.2	688.1	635.4	401.9	128.3	15.2	1.7
55	0.0	0.0	3.4	22.3	142.0	377.7	533.1	480.5	264.2	58.5	3.6	0.4
60	0.0	0.0	0.8	7.3	70.7	240.3	378.5	326.8	148.4	20.6	0.4	0.0
Growing Degree Units for Corn (Monthly)												
50/86	3.1	5.9	35.6	120.0	299.0	524.1	670.0	628.0	422.4	184.8	44.8	6.9
Growing Degree Units (Accumulated Monthly)												
40	5	14	65	277	813	1638	2636	3581	4280	4642	4743	4761
45	1	3	27	144	530	1204	2048	2838	3387	3618	3663	3669
50	0	0	10	66	315	840	1528	2164	2566	2694	2709	2711
55	0	0	3	26	168	545	1078	1559	1823	1882	1885	1886
60	0	0	1	8	79	319	698	1024	1173	1193	1194	1194
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	3	9	45	165	464	988	1658	2286	2708	2893	2938	2945

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