

Summary of Monthly Normals
1991-2020

Generated on 04/29/2024

Current Location: Elev: 580 ft. Lat: 42.6083° N Lon: 82.8183° W
Station: MT CLEMENS ANG BASE, MI US USW00014804

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	31.6	17.9	24.8	4.4	5.5	4.9	0.0	0.0	0.0	0.0	0.0	0.0	937.6	999.5	1092.5	1247.6	0.0	0.0	2.1	16.5	27.3	2.1
02	34.2	18.5	26.3	5.2	5.4	5.2	0.0	0.0	0.0	0.0	0.0	0.0	802.2	858.1	942.1	1082.1	0.0	0.0	2.6	12.4	25.4	1.6
03	43.5	25.9	34.7	4.5	4.2	4.2	4.1	2.6	1.3	0.1	0.0	0.0	633.4	693.9	785.6	939.4	0.0	0.0	9.1	4.5	23.4	0.2
04	56.3	35.9	46.1	3.2	2.4	2.6	24.6	16.3	8.1	2.1	0.3	0.1	291.6	343.3	425.1	569.1	0.0	0.0	22.4	0.3	9.6	0.0
05	68.1	46.7	57.4	3.7	3.2	3.3	141.1	107.3	67.6	26.7	6.6	2.7	66.7	94.9	148.2	262.3	0.0	0.2	30.4	0.0	0.7	0.0
06	78.1	57.0	67.6	2.3	2.0	2.0	379.4	322.6	242.3	129.7	53.5	33.9	3.0	6.3	15.9	53.3	0.0	2.9	30.0	0.0	0.0	0.0
07	82.2	61.9	72.0	3.1	2.6	2.7	528.5	466.4	373.7	226.0	106.8	72.0	0.0	0.0	0.3	7.5	0.1	4.8	31.0	0.0	0.0	0.0
08	79.9	60.7	70.3	2.5	2.5	2.4	474.2	412.3	320.6	178.4	72.7	45.0	0.0	0.1	1.4	14.2	0.0	2.2	31.0	0.0	0.0	0.0
09	73.0	53.1	63.0	2.9	2.6	2.6	258.5	209.2	144.6	63.8	20.4	11.2	17.1	27.8	53.2	122.4	0.0	0.9	30.0	0.0	0.1	0.0
10	60.5	42.5	51.5	2.6	2.6	2.5	59.7	41.7	22.0	6.4	1.5	0.6	168.2	212.2	285.4	424.9	0.0	0.0	28.0	0.0	2.5	0.0
11	47.5	32.4	39.9	4.7	2.8	3.7	3.8	1.6	0.3	0.0	0.0	0.0	455.2	513.0	601.7	751.5	0.0	0.0	12.6	1.1	15.4	0.0
12	36.5	24.1	30.3	4.4	4.3	4.2	0.1	0.0	0.0	0.0	0.0	0.0	765.7	827.6	920.6	1075.6	0.0	0.0	2.6	9.9	25.0	0.3
Summary	57.6	39.7	48.7	3.6	3.3	3.4	1874	1580	1180	633	262	165	4141	4577	5272	6550	0.1	11.0	231.8	44.7	129.4	4.2

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	2.22	13.8	5.7	1.1	0.2	1.35	2.16	2.96	
02	1.75	10.2	4.4	0.9	0.1	1.05	1.74	2.33	
03	2.45	11.8	5.7	1.3	0.4	1.47	2.32	3.02	
04	3.36	13.0	7.7	2.5	0.4	2.20	3.37	4.39	
05	3.59	12.2	7.6	2.6	0.7	2.30	3.58	4.82	
06	3.31	10.1	6.4	2.3	0.7	2.69	3.25	3.92	
07	3.82	9.9	6.7	2.3	0.7	2.56	3.51	4.80	
08	3.68	9.5	6.0	2.6	0.7	2.50	3.33	4.38	
09	3.17	9.5	6.3	2.2	0.8	1.74	3.13	4.43	
10	2.82	10.9	6.3	1.6	0.6	2.14	2.52	3.44	
11	2.60	11.4	5.7	1.6	0.4	1.76	2.47	3.36	
12	2.19	12.0	5.5	1.2	0.1	1.60	2.25	2.76	
Summary	34.96	134.3	74.0	22.2	5.8	23.36	33.63	44.61	

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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	10.60	9.8	3.3	0.9	0.3	0.0	17.9	11.6	6.3	1.5	6.80	9.90	10.80
02	8.50	7.2	2.5	1.0	0.3	0.0	12.0	8.2	5.4	1.8	2.40	7.20	14.60
03	5.20	4.8	1.5	0.4	0.1	0.0	5.2	3.0	1.6	0.0	1.10	4.10	7.50
04	0.70	1.1	0.1	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.00	0.00	1.40
05	0.00	0.1	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	1.30	1.7	0.5	0.1	0.0	0.0	0.9	0.4	0.1	0.0	0.00	0.10	1.60
12	5.90	5.4	1.7	0.6	0.4	0.0	6.9	5.0	3.7	0.7	1.60	3.10	8.40
Summary	32.2	30.1	9.6	3.0	1.1	0.0	43.1	28.2	17.1	4.0	11.9	24.4	44.3

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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	7.5	9.7	58.3	218.8	539.9	826.3	993.4	939.1	691.4	361.6	104.1	15.8
45	1.8	2.4	27.1	121.5	389.0	676.4	838.5	784.2	541.9	229.1	47.6	4.1
50	0.4	0.4	11.7	59.6	251.2	526.8	683.5	629.2	395.5	127.1	17.2	0.5
55	0.0	0.0	4.1	24.6	141.1	379.4	528.5	474.2	258.5	59.7	3.8	0.1
60	0.0	0.0	1.3	8.1	67.6	242.3	373.7	320.6	144.6	22.0	0.3	0.0
Growing Degree Units for Corn (Monthly)												
50/86	2.7	6.6	36.8	127.0	311.4	528.7	668.0	623.0	416.9	185.6	45.0	5.4

Growing Degree Units (Accumulated Monthly)												
40	8	17	76	294	834	1660	2654	3593	4284	4646	4750	4766
45	2	4	31	153	542	1218	2057	2841	3383	3612	3659	3664
50	0	1	12	72	323	850	1534	2163	2558	2685	2703	2703
55	0	0	4	29	170	549	1078	1552	1810	1870	1874	1874
60	0	0	1	9	77	319	693	1014	1158	1180	1180	1180
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	3	9	46	173	484	1013	1681	2304	2721	2907	2952	2957

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