

Summary of Monthly Normals
1991-2020

Generated on 04/29/2024

Current Location: Elev: 625 ft. Lat: 43.1711° N Lon: 86.2367° W
Station: MUSKEGON CO AP, MI US USW00014840

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	32.5	20.7	26.6	3.7	4.9	4.3	0.0	0.0	0.0	0.0	0.0	0.0	880.3	942.2	1035.3	1190.3	0.0	0.0	0.9	16.4	27.6	1.1
02	34.5	20.8	27.7	4.8	4.8	4.7	0.1	0.1	0.0	0.0	0.0	0.0	765.8	821.7	905.7	1045.8	0.0	0.0	1.5	12.8	25.0	1.0
03	44.3	27.1	35.7	4.6	4.5	4.4	6.8	4.8	2.8	0.9	0.2	0.0	605.0	665.1	756.1	909.2	0.0	0.0	8.1	4.8	22.8	0.2
04	56.6	36.9	46.8	3.7	2.4	3.0	27.6	18.6	9.5	2.2	0.2	0.0	275.1	326.2	407.0	549.7	0.0	0.0	21.2	0.2	9.8	0.0
05	68.4	47.5	57.9	3.6	3.3	3.3	157.6	121.6	79.3	33.1	9.9	5.0	66.1	92.2	142.8	251.7	0.0	0.2	30.1	0.0	1.4	0.0
06	77.7	57.2	67.4	2.6	2.2	2.2	376.3	319.4	238.3	123.6	48.0	28.9	2.9	6.0	14.9	50.2	0.0	0.8	30.0	0.0	0.0	0.0
07	81.6	62.2	71.9	3.0	3.0	2.9	523.9	461.9	369.6	222.5	103.0	68.1	0.0	0.1	0.8	8.7	0.0	1.8	31.0	0.0	0.0	0.0
08	80.2	61.3	70.8	2.4	2.9	2.5	488.2	426.3	334.5	191.3	80.5	49.7	0.0	0.2	1.3	13.1	0.0	0.4	31.0	0.0	0.0	0.0
09	73.4	53.5	63.5	2.7	2.4	2.3	269.0	219.6	153.5	69.9	23.0	12.7	15.5	26.2	50.0	116.4	0.0	0.2	30.0	0.0	0.2	0.0
10	60.6	43.2	51.9	2.5	2.4	2.3	62.3	44.4	24.6	6.8	1.8	0.9	158.4	202.5	275.6	412.8	0.0	0.0	26.8	0.0	3.8	0.0
11	47.8	34.1	41.0	4.5	2.9	3.6	6.4	3.6	1.3	0.1	0.0	0.0	427.9	485.1	572.7	721.6	0.0	0.0	11.3	2.0	14.7	0.0
12	37.4	26.3	31.9	4.0	3.7	3.8	0.2	0.1	0.0	0.0	0.0	0.0	717.7	779.6	872.6	1027.6	0.0	0.0	2.5	9.9	24.7	0.2
Summary	57.9	40.9	49.4	3.5	3.3	3.3	1918	1620	1213	650	267	165	3915	4347	5035	6297	0.0	3.4	224.4	46.1	130.0	2.5

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	2.42	16.3	7.1	0.9	0.1	1.40	2.59	3.11
02	2.11	12.9	5.3	0.9	0.4	1.31	1.83	2.68
03	2.40	10.9	5.5	1.4	0.4	1.27	1.96	3.35
04	3.47	12.5	7.4	2.1	0.7	2.39	3.34	4.64
05	3.38	11.3	6.8	2.2	0.8	2.03	2.96	4.50
06	3.05	10.0	5.6	2.1	0.7	2.25	3.03	4.16
07	2.75	9.1	5.3	1.9	0.6	1.75	2.69	3.36
08	3.10	9.1	5.7	2.1	0.7	2.02	2.71	3.84
09	3.26	9.4	5.8	2.3	0.7	2.40	3.12	3.84
10	3.80	12.6	7.8	2.4	0.7	2.15	3.66	4.91
11	2.92	13.5	7.1	1.7	0.5	1.92	2.65	3.54
12	2.42	14.9	6.7	1.0	0.3	1.60	2.29	2.91
Summary	35.08	142.5	76.1	21.0	6.6	22.49	32.83	44.84

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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	29.10	14.4	8.5	3.6	1.1	0.1	23.5	18.9	14.3	6.8	19.40	27.00	38.00
02	20.00	11.7	6.3	2.2	0.9	0.0	20.0	15.6	12.4	7.0	9.60	16.10	27.80
03	7.50	5.4	2.4	0.7	0.2	0.0	10.1	7.0	4.7	2.1	4.00	5.60	10.60
04	1.80	1.4	0.5	0.2	0.1	0.0	0.9	0.4	0.1	0.0	0.00	0.30	2.00
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	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
11	6.50	4.1	2.0	0.7	0.3	0.0	3.9	2.1	0.8	0.0	0.20	2.50	11.50
12	22.30	10.9	6.9	2.4	0.7	0.2	15.5	10.7	6.8	2.0	7.40	19.30	32.20
Summary	87.2	48.1	26.6	9.8	3.3	0.3	73.9	54.7	39.1	17.9	40.6	70.8	122.1

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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	5.7	9.4	67.2	234.5	556.8	823.4	988.8	953.2	703.4	373.3	115.0	19.2
45	1.3	2.6	32.9	133.1	406.4	673.4	833.8	798.2	553.8	238.2	53.4	5.4
50	0.2	0.6	15.1	65.7	269.8	523.6	678.8	643.2	406.6	133.2	21.4	1.3
55	0.0	0.1	6.8	27.6	157.6	376.3	523.9	488.2	269.0	62.3	6.4	0.2
60	0.0	0.0	2.8	9.5	79.3	238.3	369.6	334.5	153.5	24.6	1.3	0.0
Growing Degree Units for Corn (Monthly)												
50/86	2.0	4.1	37.7	129.9	321.5	527.7	670.1	639.9	431.1	189.5	46.0	5.3
Growing Degree Units (Accumulated Monthly)												
40	6	15	82	317	874	1697	2686	3639	4342	4716	4831	4850
45	1	4	37	170	576	1250	2084	2882	3436	3674	3727	3732
50	0	1	16	82	351	875	1554	2197	2604	2737	2758	2760
55	0	0	7	34	192	568	1092	1580	1850	1912	1918	1918
60	0	0	3	12	92	330	700	1034	1188	1212	1213	1213
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	2	6	44	174	495	1023	1693	2333	2764	2954	3000	3005

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