

Summary of Monthly Normals
1991-2020

Generated on 05/22/2024

Current Location: Elev: 1230 ft. Lat: 44.3089° N Lon: 85.2050° W

Station: LAKE CITY EXP FARM, MI US USC00204502

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	27.3	9.9	18.6	4.0	6.1	5.0	0.0	0.0	0.0	0.0	0.0	0.0	1128.2	1190.2	1283.2	1438.2	0.0	0.0	0.3	21.7	30.2	7.3
02	30.3	9.6	19.9	4.6	6.5	5.5	0.0	0.0	0.0	0.0	0.0	0.0	981.3	1037.3	1121.3	1261.3	0.0	0.0	0.7	16.7	27.4	7.0
03	40.5	17.3	28.9	5.0	5.6	5.1	2.7	1.8	0.9	0.2	0.0	0.0	811.7	872.9	965.0	1119.2	0.0	0.0	6.1	7.5	27.7	3.4
04	53.2	29.4	41.3	4.2	2.9	3.4	12.1	7.6	3.4	0.7	0.2	0.1	423.1	478.6	564.4	711.7	0.0	0.0	18.2	0.9	19.6	0.1
05	66.3	40.9	53.6	4.0	3.0	3.4	94.3	69.7	42.2	14.6	2.5	0.7	137.8	175.2	240.6	368.0	0.0	0.0	29.0	0.0	5.1	0.0
06	76.2	50.7	63.4	2.6	2.3	2.1	268.1	217.0	149.0	65.5	20.7	11.1	14.7	23.6	45.6	112.1	0.0	0.8	30.0	0.0	0.2	0.0
07	80.4	54.5	67.5	3.3	2.5	2.8	387.0	326.5	240.4	120.8	43.0	24.6	1.1	2.6	9.5	45.0	0.0	2.3	31.0	0.0	0.0	0.0
08	78.6	52.8	65.7	2.7	2.7	2.5	333.6	274.7	193.0	84.7	24.4	12.5	2.0	5.1	16.4	63.1	0.0	1.1	31.0	0.0	0.0	0.0
09	71.1	44.7	57.9	3.5	2.6	2.7	147.5	112.2	69.3	24.0	5.5	2.4	60.7	85.3	132.4	237.0	0.0	0.3	29.8	0.0	1.9	0.0
10	57.3	35.0	46.1	3.2	2.4	2.7	24.2	15.4	7.4	1.9	0.4	0.1	298.6	351.8	436.8	586.2	0.0	0.0	23.3	0.0	12.9	0.0
11	43.4	26.2	34.8	5.0	3.2	4.0	0.8	0.5	0.2	0.0	0.0	0.0	606.8	666.5	756.2	906.0	0.0	0.0	8.0	4.8	22.8	0.1
12	32.6	17.5	25.0	4.2	4.8	4.4	0.0	0.0	0.0	0.0	0.0	0.0	928.4	990.4	1083.4	1238.4	0.0	0.0	1.0	15.8	29.2	2.3
Summary	54.8	32.4	43.6	3.9	3.7	3.6	1270	1025	706	312	97	52	5394	5879	6655	8086	0.0	4.5	208.4	67.4	177.0	20.2

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	1.88	16.2	5.4	0.6	0.1	1.26	1.66	2.41
02	1.45	12.2	4.1	0.6	0.0	0.93	1.34	1.92
03	1.88	11.1	5.2	1.0	0.1	1.05	1.48	2.86
04	3.53	12.5	7.5	2.2	0.7	2.63	3.33	4.47
05	3.47	13.0	7.5	2.3	0.7	2.37	3.02	4.46
06	3.48	11.6	6.7	2.5	0.7	2.09	2.93	4.47
07	3.11	11.1	6.2	1.9	0.5	2.01	2.33	3.69
08	3.42	11.2	6.1	2.3	0.8	2.20	3.15	4.14
09	3.04	12.1	6.6	2.0	0.5	2.39	2.96	3.89
10	3.67	14.9	8.5	2.0	0.6	2.54	3.36	4.60
11	2.52	13.6	6.2	1.5	0.3	1.72	2.16	3.29
12	1.94	15.1	5.4	0.6	0.1	1.33	1.65	2.25
Summary	33.39	154.6	75.4	19.5	5.1	22.52	29.37	42.45

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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	18.70	14.8	7.1	1.8	0.4	0.0	28.5	24.8	20.0	7.8	14.20	17.40	22.50
02	13.90	11.5	4.8	1.5	0.3	0.0	27.2	25.7	23.1	11.4	10.20	14.60	18.60
03	9.40	7.8	3.5	1.1	0.2	0.1	21.0	17.5	15.0	7.2	7.40	8.80	11.80
04	5.20	3.8	2.0	0.4	0.2	0.0	3.8	1.6	0.5	0.0	2.50	4.10	7.30
05	0.30	0.2	0.1	0.1	0.0	0.0	0.1	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	1.40	1.0	0.6	0.1	0.0	0.0	0.5	0.1	0.0	0.0	0.00	0.20	1.60
11	9.00	6.5	3.4	0.7	0.2	0.0	7.3	3.2	1.4	0.2	3.10	5.70	12.20
12	16.10	13.2	6.6	1.7	0.6	0.0	21.0	15.7	10.6	3.0	8.80	14.90	23.60
Summary	74.0	58.8	28.1	7.4	1.9	0.1	109.4	88.6	70.6	29.6	46.2	65.7	97.6

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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	0.5	2.0	29.3	134.0	426.8	703.4	850.9	796.6	537.6	222.2	47.3	4.7
45	0.0	0.3	13.0	68.6	289.4	553.6	695.8	641.5	391.9	125.0	17.5	1.2
50	0.0	0.0	6.1	31.8	176.6	406.3	540.9	486.6	257.8	60.7	4.3	0.1
55	0.0	0.0	2.7	12.1	94.3	268.1	387.0	333.6	147.5	24.2	0.8	0.0
60	0.0	0.0	0.9	3.4	42.2	149.0	240.4	193.0	69.3	7.4	0.2	0.0
Growing Degree Units for Corn (Monthly)												
50/86	0.1	1.4	23.4	100.8	268.7	440.9	548.6	508.6	337.8	137.8	29.1	2.2

Growing Degree Units (Accumulated Monthly)												
40	0	2	32	166	593	1296	2147	2944	3481	3703	3751	3755
45	0	0	13	82	371	925	1621	2262	2654	2779	2797	2798
50	0	0	6	38	214	621	1162	1648	1906	1967	1971	1971
55	0	0	3	15	109	377	764	1098	1245	1270	1270	1270
60	0	0	1	4	46	196	436	629	698	706	706	706
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	0	2	25	126	394	835	1384	1892	2230	2368	2397	2399

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

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