

U.S. Department of Commerce  
National Oceanic & Atmospheric Administration  
National Environmental Satellite, Data, and Information  
Service

## Summary of Monthly Normals 1981-2010

National Climatic Data Center  
Federal Building

151 Patton Avenue

Asheville, North Carolina 28801  
www.ncdc.noaa.gov

Station: **MANSFIELD HOLLOW LAK, CT US**

GHCND:USC00064488

Elev: 249 ft. Lat: 41.757° N Lon: 72.186° W

Temperature (°F)																						
Mean							Cooling Degree Days						Heating Degree Days				Mean Number of Days					
							Base (above)						Base (below)									
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
1	35.7	13.4	24.5	4.3	5.8	5.0	-7777	-7777	0	0	0	0	944	1006	1099	1254	0.0	0.0	3.0	10.7	29.8	4.6
2	38.9	16.2	27.5	4.0	3.9	3.8	0	0	0	0	0	0	769	825	909	1048	0.0	0.0	3.6	6.7	26.4	2.0
3	46.7	23.9	35.3	3.1	2.9	2.8	1	1	-7777	-7777	0	0	612	673	766	921	0.0	0.0	10.9	1.8	25.6	0.1
4	58.5	34.5	46.5	2.8	2.3	2.3	20	13	7	2	-7777	-7777	275	328	412	557	0.0	0.1	24.3	0.1	12.2	0.0
5	69.2	43.8	56.5	3.1	2.0	2.3	116	83	47	13	2	1	70	99	155	276	0.0	0.3	30.6	0.0	2.4	0.0
6	77.6	53.5	65.5	2.4	2.3	1.9	321	265	189	88	28	15	4	9	23	72	0.0	1.4	30.0	0.0	-7777	0.0
7	82.3	59.3	70.8	2.4	1.9	1.9	490	428	336	190	79	49	-7777	-7777	1	11	-7777	2.9	31.0	0.0	0.0	0.0
8	81.4	57.4	69.4	2.3	2.1	1.8	447	385	295	157	59	35	-7777	1	3	20	0.0	1.9	31.0	0.0	0.0	0.0
9	74.0	48.3	61.2	2.4	1.9	1.9	212	168	109	43	12	6	28	43	75	159	0.0	0.4	30.0	0.0	0.8	0.0
10	63.1	35.9	49.5	2.5	2.8	2.4	34	21	10	2	-7777	-7777	205	254	336	483	0.0	0.0	29.4	0.0	12.1	0.0
11	52.2	29.7	41.0	3.0	2.6	2.5	5	3	1	-7777	0	0	427	484	573	722	0.0	0.0	17.0	0.5	19.5	0.0
12	40.5	19.9	30.2	4.5	4.4	4.3	-7777	-7777	0	0	0	0	769	831	924	1079	0.0	0.0	5.6	6.3	27.8	1.2
Summary	60.0	36.3	48.2	3.1	2.9	2.7	1646	1367	994	495	180	106	4103	4553	5276	6602	0.0	7.0	246.4	26.1	156.6	7.9

@ Denotes mean number of days greater than 0 but less than 0.05; or insufficient data for calculation.

-4444: year-round risk of frost-freeze

-6666: parameter undefined; insufficient occurrences to compute value

-7777: a non-zero value that would round to zero

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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	.25	.50	.75
1	4.04	10.4	7.5	3.0	1.0	2.76	3.51	5.20
2	3.57	8.9	6.7	2.1	0.7	2.61	3.18	4.54
3	4.77	10.4	7.6	3.3	1.2	3.43	4.01	6.35
4	4.76	11.2	7.4	3.1	1.3	2.64	4.55	5.88
5	4.14	11.4	7.7	2.7	1.0	3.24	3.71	5.31
6	4.34	10.6	6.7	2.7	1.1	2.30	3.84	5.96
7	4.06	9.3	6.4	2.6	1.1	2.97	3.99	5.21
8	4.14	8.7	6.0	2.9	1.2	2.75	3.75	5.61
9	4.10	9.4	6.7	2.8	1.0	2.08	3.56	6.06
10	4.69	8.8	6.2	3.0	1.5	2.37	3.86	6.86
11	4.84	10.0	7.3	3.7	1.5	3.28	4.67	6.08
12	4.63	10.6	7.6	3.2	1.1	2.57	4.79	6.16
Summary	52.08	119.7	83.8	35.1	13.7	33.00	47.42	69.22

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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	0.1	1.0	3.0	5.0	10.0	1	3	5	10	.25	.50	.75
1	9.9	4.1	3.8	1.1	0.5	-7777	14.5	9.8	6.8	1.7	5.0	8.3	15.9
2	6.0	2.8	2.5	0.8	0.4	0.1	12.3	8.8	5.1	1.1	2.5	4.3	7.9
3	6.0	2.3	2.0	0.8	0.3	-7777	4.7	2.4	1.1	0.1	1.0	4.0	10.0
4	1.7	0.4	0.4	0.1	0.1	0.1	0.6	0.4	0.4	0.2	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.1	-7777	-7777	0.0	0.0	0.0	-7777	0.0	0.0	0.0	0.0	0.0	0.0
11	1.2	0.5	0.5	0.2	0.1	0.0	0.8	0.4	0.1	0.0	0.0	0.0	2.0
12	5.3	2.2	2.1	0.7	0.4	0.0	7.4	4.0	2.8	0.4	2.3	4.0	7.0
Summary	30.2	12.3	11.3	3.7	1.8	0.2	40.3	25.8	16.3	3.5	10.8	20.6	42.8

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Growing Degree Units (Monthly)												
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	8	9	46	216	512	766	955	911	634	303	110	21
45	2	2	17	115	360	616	800	756	485	179	50	8
50	1	-7777	5	52	224	467	645	601	341	89	18	2
55	-7777	0	1	20	116	321	490	447	212	34	5	-7777
60	0	0	-7777	7	47	189	336	295	109	10	1	0
Growing Degree Units for Corn (Monthly)												
50/86	8	10	40	143	310	485	633	600	402	210	76	16

Growing Degree Units (Accumulated Monthly)												
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	8	17	63	279	791	1557	2512	3423	4057	4360	4470	4491
45	2	4	21	136	496	1112	1912	2668	3153	3332	3382	3390
50	1	-7777	6	58	282	749	1394	1995	2336	2425	2443	2445
55	-7777	0	1	21	137	458	948	1395	1607	1641	1646	-7777
60	0	0	-7777	7	54	243	579	874	983	993	994	994
Growing Degree Units for Corn (Monthly)												
50/86	8	18	58	201	511	996	1629	2229	2631	2841	2917	2933

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

**M** indicates the value is missing

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