

Summary of Monthly Normals
1991-2020

Generated on 05/23/2024

Current Location: Elev: 1448 ft. Lat: 37.1086° N Lon: 92.5789° W
Station: MANSFIELD, MO US USC00235227

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	41.6	21.4	31.5	3.8	4.3	3.9	1.6	0.9	0.3	0.0	0.0	0.0	729.9	791.1	883.6	1038.3	0.0	0.0	9.2	7.7	26.5	1.5
02	46.5	25.3	35.9	4.5	4.3	4.2	3.9	2.3	0.7	0.0	0.0	0.0	538.7	593.0	675.5	814.8	0.0	0.0	11.2	4.4	21.9	0.2
03	56.3	34.0	45.1	4.9	4.5	4.5	28.9	19.2	9.9	1.6	0.0	0.0	334.3	386.6	470.3	617.0	0.0	0.0	21.8	1.5	13.7	0.1
04	66.0	43.7	54.9	3.5	3.2	3.3	110.3	82.6	49.3	14.5	1.6	0.5	114.8	147.1	203.8	319.0	0.0	0.0	28.1	0.0	3.7	0.0
05	74.5	54.3	64.4	2.9	2.9	2.7	305.5	253.1	182.0	86.3	25.3	12.4	14.1	23.8	45.6	104.9	0.0	0.2	30.9	0.0	0.1	0.0
06	82.6	63.2	72.9	2.7	1.9	2.2	537.1	477.4	388.4	245.4	120.3	79.0	0.3	0.6	1.6	8.5	0.1	2.6	30.0	0.0	0.0	0.0
07	87.7	67.2	77.5	3.0	2.4	2.5	695.9	633.8	540.9	386.5	236.3	180.5	0.0	0.0	0.0	0.6	0.5	11.1	31.0	0.0	0.0	0.0
08	87.4	65.6	76.5	3.7	3.0	3.2	666.3	604.3	511.4	358.0	214.6	163.4	0.0	0.0	0.1	1.6	0.5	11.0	31.0	0.0	0.0	0.0
09	79.8	57.0	68.4	3.3	3.0	2.9	406.5	349.9	268.7	151.7	66.2	42.7	4.5	8.0	16.8	49.7	0.1	2.8	30.0	0.0	0.0	0.0
10	68.6	45.6	57.1	3.1	2.4	2.5	151.3	116.6	73.8	26.3	6.0	2.8	86.2	113.6	163.7	271.3	0.0	0.1	29.6	0.0	2.5	0.0
11	55.5	34.5	45.0	5.2	4.1	4.5	24.1	15.5	7.4	1.6	0.1	0.0	324.0	375.4	457.3	601.5	0.0	0.0	21.4	0.6	12.3	0.0
12	44.9	26.2	35.6	4.2	3.7	3.8	3.1	1.6	0.5	0.0	0.0	0.0	605.9	666.4	758.3	912.9	0.0	0.0	10.8	4.9	24.0	0.2
Summary	66.0	44.8	55.4	3.7	3.3	3.3	2934	2557	2033	1272	670	481	2753	3106	3677	4740	1.2	27.8	285.0	19.1	104.7	2.0

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	2.73	6.7	4.4	2.0	0.8	1.96	2.60	3.39
02	2.76	7.2	4.8	1.9	0.7	1.21	2.46	3.65
03	4.25	9.5	7.2	3.2	1.0	2.75	3.83	5.10
04	5.39	9.7	6.4	3.5	2.1	3.65	4.72	6.64
05	5.52	11.7	8.0	4.0	1.7	4.18	4.83	7.25
06	4.16	9.4	7.0	2.8	1.4	2.59	3.60	5.28
07	4.40	8.9	6.4	2.9	1.2	2.69	3.94	5.29
08	3.35	7.4	5.5	2.2	0.9	1.85	2.85	4.40
09	4.07	7.0	4.9	2.5	1.3	2.23	3.69	5.51
10	3.62	8.6	5.8	2.2	0.7	2.01	2.90	4.37
11	3.97	8.3	5.8	2.9	1.3	1.46	4.02	5.05
12	2.87	7.4	4.8	2.1	0.7	1.70	2.62	3.72
Summary	47.09	101.8	71.0	32.2	13.8	28.28	42.06	59.65

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

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National Centers for Environmental Information
151 Patton Avenue
Asheville, North Carolina 28801

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	2.20	1.6	1.1	0.3	0.2	0.0	4.8	2.6	1.1	0.0	0.50	0.80	2.10
02	2.10	1.4	1.1	0.4	0.1	0.0	2.3	1.7	0.6	0.0	0.00	0.50	2.20
03	1.90	0.6	0.6	0.3	0.2	0.0	0.9	0.4	0.2	0.0	0.00	0.00	1.80
04	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
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	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
12	1.50	0.8	0.6	0.4	0.2	0.0	2.6	1.5	1.3	0.1	0.00	0.00	0.50
Summary	7.7	4.4	3.4	1.4	0.7	0.0	10.6	6.2	3.2	0.1	0.5	1.3	6.6

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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	42.5	75.9	227.0	452.7	756.5	986.8	1160.8	1131.3	851.9	532.9	208.5	65.4
45	17.2	36.4	133.4	319.2	601.8	836.9	1005.9	976.3	702.1	387.2	118.2	28.9
50	5.7	14.0	68.5	202.6	449.1	686.8	850.8	821.3	552.7	256.5	58.5	11.2
55	1.6	3.9	28.9	110.3	305.5	537.1	695.9	666.3	406.5	151.3	24.1	3.1
60	0.3	0.7	9.9	49.3	182.0	388.4	540.9	511.4	268.7	73.8	7.4	0.5
Growing Degree Units for Corn (Monthly)												
50/86	30.9	54.5	143.1	267.2	469.6	674.5	801.2	768.5	553.8	321.8	123.7	40.6

Growing Degree Units (Accumulated Monthly)												
40	42	118	345	798	1555	2541	3702	4834	5685	6218	6427	6492
45	17	54	187	506	1108	1945	2951	3927	4629	5016	5135	5164
50	6	20	88	291	740	1427	2278	3099	3652	3908	3966	3978
55	2	6	34	145	450	987	1683	2350	2756	2907	2931	2934
60	0	1	11	60	242	631	1172	1683	1952	2025	2033	2033
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	31	85	228	496	965	1640	2441	3210	3763	4085	4209	4249

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