

Summary of Monthly Normals
1991-2020

Generated on 04/29/2024

Current Location: Elev: 744 ft. Lat: 38.0492° N Lon: 93.7039° W

Station: OSCEOLA, MO US USC00236402

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	42.4	21.0	31.7	4.1	4.1	3.9	1.6	1.0	0.5	0.1	0.0	0.0	723.8	785.2	877.6	1032.2	0.0	0.0	9.6	7.1	25.2	1.1
02	47.3	24.6	35.9	5.5	4.3	4.8	5.2	2.8	1.0	0.2	0.0	0.0	538.5	592.2	674.4	813.5	0.0	0.0	12.2	3.9	20.2	0.2
03	58.3	34.5	46.4	4.9	4.6	4.6	44.7	32.0	18.8	6.0	1.1	0.4	311.3	360.6	440.4	582.7	0.0	0.0	23.0	0.9	12.1	0.0
04	67.5	44.4	56.0	3.3	3.4	3.2	130.8	99.8	62.9	24.3	5.6	2.5	102.3	131.3	184.3	295.8	0.0	0.1	28.6	0.0	2.9	0.0
05	76.9	54.6	65.8	3.2	3.1	3.0	345.1	290.9	216.4	115.2	46.1	27.8	11.9	19.6	38.1	91.9	0.0	1.7	30.9	0.0	0.2	0.0
06	85.5	64.0	74.8	2.6	2.6	2.4	592.5	532.5	443.0	297.4	165.0	119.7	0.1	0.1	0.6	5.0	0.0	8.7	30.0	0.0	0.0	0.0
07	90.3	68.1	79.2	3.0	2.6	2.5	750.1	688.1	595.1	440.2	288.9	231.1	0.0	0.0	0.0	0.1	1.9	17.4	31.0	0.0	0.0	0.0
08	89.3	66.2	77.8	3.7	2.6	2.9	705.1	643.1	550.1	396.2	249.4	196.3	0.0	0.0	0.0	1.1	2.3	15.0	31.0	0.0	0.0	0.0
09	80.9	57.5	69.2	3.2	3.5	3.2	430.3	373.6	292.2	172.7	82.7	57.1	4.3	7.7	16.2	46.8	0.2	5.0	30.0	0.0	0.0	0.0
10	69.8	45.7	57.8	3.3	2.5	2.6	166.3	130.2	85.0	34.2	8.9	4.6	81.1	106.9	154.7	258.9	0.0	0.3	29.7	0.0	2.2	0.0
11	56.5	34.2	45.4	5.2	4.0	4.4	32.0	22.0	11.8	3.0	0.4	0.1	321.5	371.4	451.2	592.5	0.0	0.0	21.7	0.6	11.8	0.0
12	45.7	25.0	35.4	4.4	3.9	4.0	3.9	2.1	0.7	0.1	0.0	0.0	612.9	673.1	764.7	919.0	0.0	0.0	12.2	4.5	22.3	0.2
Summary	67.5	45.0	56.3	3.9	3.4	3.5	3208	2818	2278	1490	848	640	2708	3048	3602	4640	4.4	48.2	289.9	17.0	96.9	1.5

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	1.87	4.9	3.4	1.1	0.6	0.94	1.64	2.72	
02	2.09	5.1	3.6	1.1	0.5	0.67	2.01	2.87	
03	2.80	7.1	5.3	1.9	0.5	1.51	2.46	3.73	
04	4.62	8.0	6.4	3.2	1.8	2.95	3.77	5.56	
05	5.52	9.3	7.3	3.6	1.9	4.15	5.53	6.85	
06	5.12	8.1	6.4	3.6	1.8	3.00	3.96	7.11	
07	4.57	7.6	6.0	3.0	1.2	2.31	3.38	6.28	
08	3.82	6.1	4.4	2.3	1.5	2.48	3.86	5.49	
09	4.02	7.0	5.0	2.9	1.5	2.06	3.84	5.17	
10	3.49	7.4	5.2	2.2	1.0	1.82	3.07	4.45	
11	3.12	5.9	4.1	2.3	1.0	1.27	2.07	3.96	
12	2.20	4.9	3.5	1.5	0.6	0.97	1.35	3.38	
Summary	43.24	81.4	60.6	28.7	13.9	24.13	36.94	57.57	

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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	4.40	2.1	1.5	0.4	0.1	0.0	4.6	2.1	0.7	0.0	1.90	4.00	7.00
02	1.50	0.6	0.5	0.2	0.0	0.0	0.7	0.0	0.0	0.0	0.00	0.00	2.10
03	0.90	0.5	0.4	0.1	0.0	0.0	0.4	0.1	0.0	0.0	0.00	0.00	0.90
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	0.20	0.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
12	3.10	0.9	0.8	0.5	0.2	0.1	1.8	1.4	1.3	0.1	0.00	0.70	3.70
Summary	10.1	4.5	3.5	1.2	0.3	0.1	7.5	3.6	2.0	0.1	1.9	4.7	13.7

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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	41.4	78.0	258.2	485.0	798.3	1042.3	1215.0	1169.9	875.9	554.1	223.5	67.7
45	16.9	39.5	161.2	348.5	643.6	892.3	1060.1	1015.1	726.0	408.3	133.7	30.9
50	5.5	16.7	90.7	227.3	490.8	742.4	905.1	860.1	576.9	275.7	71.0	12.0
55	1.6	5.2	44.7	130.8	345.1	592.5	750.1	705.1	430.3	166.3	32.0	3.9
60	0.5	1.0	18.8	62.9	216.4	443.0	595.1	550.1	292.2	85.0	11.8	0.7
Growing Degree Units for Corn (Monthly)												
50/86	34.1	61.7	171.9	295.8	508.4	708.5	823.1	785.1	571.2	344.1	138.3	48.5

Growing Degree Units (Accumulated Monthly)												
40	41	119	378	863	1661	2703	3918	5088	5964	6518	6742	6809
45	17	56	218	566	1210	2102	3162	4177	4903	5312	5445	5476
50	6	22	113	340	831	1573	2478	3339	3916	4191	4262	4274
55	2	7	52	182	527	1120	1870	2575	3005	3172	3204	3208
60	0	2	20	83	300	743	1338	1888	2180	2265	2277	2278
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	34	96	268	564	1072	1780	2604	3389	3960	4304	4442	4491

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