

Summary of Monthly Normals
1991-2020

Current Location: Elev: 2602 ft. Lat: 40.2289° N Lon: 100.6100° W
Station: MC COOK, NE US USC00255310
Generated on 05/23/2024

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	13.8	27.7	5.1	3.6	4.1	0.0	0.0	0.0	0.0	0.0	0.0	846.3	908.3	1001.3	1156.3	0.0	0.0	9.3	9.1	30.8	2.5
02	44.9	16.2	30.6	7.0	4.6	5.5	0.6	0.2	0.0	0.0	0.0	0.0	685.0	740.7	824.5	964.5	0.0	0.0	11.1	6.7	26.8	1.8
03	56.2	24.5	40.3	5.4	3.6	4.2	9.9	5.7	2.4	0.3	0.0	0.0	464.2	521.9	611.6	764.5	0.0	0.1	20.3	2.0	23.3	0.5
04	64.9	34.1	49.5	3.7	3.2	3.1	48.8	33.2	17.6	4.4	0.8	0.3	213.8	258.2	332.6	469.4	0.0	0.2	25.6	0.4	10.5	0.0
05	74.4	45.0	59.7	3.8	2.3	2.8	200.2	159.6	107.6	45.9	14.4	8.1	54.6	75.9	116.9	210.2	0.2	2.3	30.1	0.0	1.2	0.0
06	85.9	56.2	71.0	3.6	2.3	2.8	483.9	425.6	340.1	209.3	104.5	72.6	2.5	4.3	8.7	28.0	1.2	10.1	30.0	0.0	0.0	0.0
07	90.8	61.7	76.3	3.4	2.4	2.7	658.6	596.6	503.9	351.8	209.0	158.3	0.0	0.0	0.2	3.2	3.7	17.6	31.0	0.0	0.0	0.0
08	88.3	59.6	74.0	3.4	2.2	2.6	587.5	525.8	433.8	285.5	152.8	109.2	0.2	0.4	1.4	8.2	1.6	13.3	31.0	0.0	0.0	0.0
09	80.9	50.0	65.4	3.7	3.1	3.1	330.1	278.3	207.4	111.6	46.5	29.6	16.8	24.9	44.0	98.2	0.4	6.5	29.7	0.0	0.2	0.0
10	67.5	35.9	51.7	4.6	2.7	3.4	73.9	51.9	28.2	7.6	1.5	0.8	176.2	216.1	285.4	419.8	0.0	0.7	28.0	0.4	8.7	0.0
11	54.0	23.6	38.8	5.3	3.1	3.8	4.9	2.2	0.6	0.0	0.0	0.0	490.9	548.2	636.6	786.0	0.0	0.0	18.6	2.3	24.3	0.2
12	42.7	15.5	29.1	4.2	3.5	3.7	0.0	0.0	0.0	0.0	0.0	0.0	802.5	864.7	957.7	1112.7	0.0	0.0	10.1	7.3	30.4	1.9
Summary	66.0	36.3	51.2	4.4	3.1	3.5	2398	2079	1642	1016	530	379	3753	4164	4821	6021	7.1	50.8	274.8	28.2	156.2	6.9

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	0.42	2.6	1.3	0.1	0.0	0.13	0.30	0.45	
02	0.70	3.6	2.1	0.2	0.1	0.33	0.63	0.95	
03	1.20	5.1	3.3	0.7	0.1	0.57	0.93	1.79	
04	2.36	7.0	4.9	1.3	0.5	1.15	2.22	2.92	
05	3.01	9.4	6.2	2.1	0.6	1.70	2.69	4.56	
06	3.36	8.1	5.8	2.2	0.9	1.77	2.84	4.55	
07	3.33	8.7	6.6	2.3	0.9	1.82	2.98	4.00	
08	3.39	7.2	5.3	2.6	1.0	1.91	3.37	4.68	
09	1.68	5.0	3.4	1.3	0.3	0.47	1.18	2.21	
10	1.66	4.9	3.2	0.9	0.3	0.66	1.40	2.26	
11	0.90	3.7	2.0	0.7	0.1	0.32	0.60	1.13	
12	0.71	3.3	1.6	0.5	0.1	0.18	0.25	0.96	
Summary	22.72	68.6	45.7	14.9	4.9	11.01	19.39	30.46	

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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	4.70	2.1	1.4	0.5	0.2	0.1	7.4	4.2	2.6	0.8	1.40	2.90	6.50
02	7.70	2.8	2.2	1.0	0.3	0.0	8.0	5.2	2.9	0.5	4.00	5.70	12.50
03	4.20	1.9	1.5	0.5	0.2	0.0	3.2	1.3	0.6	0.1	0.50	3.40	7.70
04	3.10	1.0	0.9	0.5	0.2	0.0	1.0	0.6	0.2	0.0	0.00	1.00	5.50
05	0.10	0.1	0.1	0.1	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	1.00	0.5	0.4	0.2	0.1	0.0	0.5	0.3	0.2	0.0	0.00	0.00	0.00
11	3.30	1.4	1.1	0.4	0.2	0.0	2.2	1.2	0.5	0.1	0.20	2.00	5.50
12	5.80	2.2	1.7	0.8	0.3	0.1	6.2	3.4	1.8	0.2	1.40	3.50	8.90
Summary	29.9	12.0	9.3	4.0	1.5	0.2	28.5	16.2	8.8	1.7	7.5	18.5	46.6

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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	15.5	33.3	144.3	314.4	611.8	931.3	1123.6	1052.3	763.5	384.7	107.1	15.8
45	3.4	11.6	73.5	199.1	461.6	781.3	968.4	897.2	615.2	257.2	51.3	3.2
50	0.4	3.0	30.3	109.5	321.7	631.8	813.4	742.2	469.4	151.7	19.6	0.5
55	0.0	0.6	9.9	48.8	200.2	483.9	658.6	587.5	330.1	73.9	4.9	0.0
60	0.0	0.0	2.4	17.6	107.6	340.1	503.9	433.8	207.4	28.2	0.6	0.0
Growing Degree Units for Corn (Monthly)												
50/86	36.5	55.6	151.5	238.4	386.0	586.2	718.4	675.7	482.3	283.6	120.2	35.5

Growing Degree Units (Accumulated Monthly)												
40	16	49	193	508	1119	2051	3174	4226	4990	5375	5482	5498
45	3	15	88	288	749	1530	2499	3396	4011	4268	4320	4323
50	0	3	34	143	465	1097	1910	2652	3122	3273	3293	3294
55	0	1	10	59	260	743	1402	1990	2320	2394	2398	2398
60	0	0	2	20	128	468	972	1405	1613	1641	1642	1642
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	36	92	244	482	868	1454	2173	2848	3331	3614	3734	3770

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

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