

Summary of Monthly Normals
1991-2020

Generated on 06/04/2024

Current Location: Elev: 2504 ft. Lat: 37.2850° N Lon: 100.3450° W
Station: MEADE, KS US USC00145171

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	46.0	18.6	32.3	4.7	3.0	3.3	0.1	0.0	0.0	0.0	0.0	0.0	703.7	765.6	858.6	1013.7	0.0	0.0	13.2	4.8	29.8	0.6
02	48.9	21.9	35.4	6.1	4.0	4.5	1.6	0.8	0.1	0.0	0.0	0.0	550.3	605.5	688.8	828.8	0.0	0.0	13.5	2.8	25.5	0.3
03	59.4	29.8	44.6	5.4	3.4	3.9	19.8	12.5	5.7	1.1	0.0	0.0	342.2	397.0	483.2	633.5	0.0	0.1	23.6	0.9	18.0	0.1
04	67.7	38.3	53.0	3.6	2.9	2.7	76.3	53.4	29.3	8.2	1.5	0.5	136.2	173.3	239.2	368.2	0.0	1.0	27.9	0.0	5.3	0.0
05	78.9	49.8	64.4	4.7	2.6	3.3	310.3	258.5	187.7	95.6	37.9	24.1	20.5	30.7	52.9	115.8	0.5	5.7	30.8	0.0	0.2	0.0
06	88.5	60.3	74.4	4.2	2.4	3.1	582.3	522.6	433.6	288.8	160.0	116.9	0.4	0.7	1.7	6.9	2.8	16.4	30.0	0.0	0.0	0.0
07	94.4	65.3	79.9	3.3	2.2	2.5	770.1	708.2	615.2	461.2	310.5	252.2	0.0	0.0	0.0	0.9	8.8	24.6	31.0	0.0	0.0	0.0
08	91.9	64.3	78.1	3.7	2.4	2.8	716.0	654.0	561.1	406.8	257.9	202.1	0.0	0.0	0.1	0.8	5.1	22.2	31.0	0.0	0.0	0.0
09	84.4	55.1	69.7	4.1	3.3	3.3	450.0	393.5	312.2	188.7	90.5	60.9	7.6	11.1	19.8	46.2	1.2	11.4	29.9	0.0	0.1	0.0
10	71.5	41.1	56.3	3.6	2.9	2.6	134.6	102.5	63.4	22.6	5.1	2.6	94.3	124.2	178.1	292.4	0.1	1.8	29.7	0.1	4.3	0.0
11	57.7	28.8	43.3	5.7	3.4	4.1	12.7	7.1	2.7	0.6	0.1	0.0	365.1	419.6	505.2	653.1	0.0	0.0	23.6	1.0	18.8	0.0
12	47.6	20.2	33.9	3.9	3.0	2.8	0.1	0.0	0.0	0.0	0.0	0.0	654.1	715.9	808.9	964.0	0.0	0.0	14.2	3.2	29.0	0.7
Summary	69.7	41.1	55.4	4.4	3.0	3.2	3074	2713	2211	1474	864	659	2874	3244	3836	4924	18.5	83.2	298.4	12.8	131.0	1.7

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	0.85	3.1	1.9	0.5	0.2	0.22	0.67	1.31	
02	0.70	3.5	1.6	0.4	0.2	0.09	0.47	0.94	
03	1.67	4.4	2.7	1.4	0.3	0.39	1.22	2.74	
04	1.94	5.7	3.6	1.2	0.3	0.83	1.37	2.34	
05	2.78	7.0	4.8	2.3	0.6	1.06	2.52	3.33	
06	3.67	7.9	5.8	2.9	1.2	2.03	3.77	5.18	
07	3.37	7.5	5.3	2.7	1.0	1.95	2.97	4.69	
08	2.71	7.1	5.0	1.7	0.8	2.23	2.86	3.17	
09	1.56	4.9	3.3	1.2	0.3	0.95	1.26	2.16	
10	2.22	4.7	3.3	1.4	0.6	0.60	1.93	3.03	
11	0.61	3.2	1.7	0.3	0.1	0.15	0.37	0.78	
12	0.96	3.3	1.9	0.5	0.3	0.15	0.65	1.27	
Summary	23.04	62.3	40.9	16.5	5.9	10.65	20.06	30.94	

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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	4.60	2.0	1.6	0.6	0.2	0.0	3.4	1.5	0.5	0.1	0.80	2.90	7.00
02	2.00	1.4	0.9	0.3	0.1	0.0	2.2	1.4	0.7	0.1	0.00	0.00	1.00
03	3.50	1.1	1.0	0.3	0.1	0.0	1.4	0.6	0.4	0.1	0.00	0.80	5.30
04	0.40	0.2	0.2	0.0	0.0	0.0	0.2	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	0.20	0.2	0.1	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.00	0.00	0.00
11	1.50	0.7	0.4	0.1	0.1	0.0	0.8	0.4	0.3	0.2	0.00	0.00	0.90
12	4.70	1.8	1.3	0.5	0.3	0.1	3.1	2.2	1.3	0.4	0.00	1.30	6.00
Summary	16.9	7.4	5.5	1.8	0.8	0.1	11.3	6.1	3.2	0.9	0.8	5.0	20.2

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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	27.4	59.9	213.1	401.4	755.2	1031.9	1235.1	1181.0	892.4	513.6	173.3	35.0
45	7.7	25.6	120.3	270.0	601.3	881.9	1080.1	1026.0	743.0	369.2	91.7	9.7
50	1.3	8.1	54.6	157.4	451.2	732.0	925.1	871.0	594.8	238.4	40.7	2.4
55	0.1	1.6	19.8	76.3	310.3	582.3	770.1	716.0	450.0	134.6	12.7	0.1
60	0.0	0.1	5.7	29.3	187.7	433.6	615.2	561.1	312.2	63.4	2.7	0.0
Growing Degree Units for Corn (Monthly)												
50/86	51.8	71.0	179.3	274.7	475.5	663.7	786.0	764.9	572.9	344.1	150.8	56.5

Growing Degree Units (Accumulated Monthly)												
40	27	87	300	702	1457	2489	3724	4905	5797	6311	6484	6519
45	8	33	154	424	1025	1907	2987	4013	4756	5125	5217	5226
50	1	9	64	221	673	1405	2330	3201	3796	4034	4075	4077
55	0	2	22	98	408	990	1760	2476	2926	3061	3074	3074
60	0	0	6	35	223	656	1272	1833	2145	2208	2211	2211
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	52	123	302	577	1052	1716	2502	3267	3840	4184	4335	4391

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

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