

Summary of Monthly Normals
1991-2020

Generated on 04/27/2024

Current Location: Elev: 1233 ft. Lat: 37.2886° N Lon: 96.9408° W

Station: WINFIELD 3NE, KS US USC00148964

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	44.2	20.2	32.2	4.4	3.1	3.5	1.0	0.5	0.1	0.0	0.0	0.0	707.7	769.2	861.8	1016.6	0.0	0.0	11.7	6.3	27.6	0.7
02	49.2	23.6	36.4	5.4	4.0	4.5	4.6	2.3	0.8	0.1	0.0	0.0	525.3	579.0	661.5	800.8	0.0	0.0	14.2	3.5	21.9	0.2
03	59.1	32.9	46.0	4.6	4.7	4.4	35.5	24.8	13.4	3.3	0.3	0.0	314.5	365.9	447.5	592.4	0.0	0.0	23.9	0.9	13.5	0.0
04	68.4	42.5	55.5	3.6	3.7	3.4	122.8	93.4	58.1	20.0	4.0	1.7	109.3	139.9	194.6	306.5	0.0	0.3	28.5	0.0	3.9	0.0
05	76.5	53.9	65.2	3.5	2.9	3.0	329.8	276.9	204.4	105.5	39.8	23.8	13.6	22.7	43.2	99.3	0.0	1.6	30.8	0.0	0.2	0.0
06	85.7	63.5	74.6	3.4	2.3	2.7	588.0	528.1	438.8	294.0	163.7	119.9	0.1	0.2	0.9	6.2	0.4	10.1	30.0	0.0	0.0	0.0
07	91.1	68.2	79.7	3.9	2.7	3.1	764.1	702.0	609.0	454.2	303.7	246.4	0.0	0.0	0.0	0.3	3.9	18.9	31.0	0.0	0.0	0.0
08	90.2	66.0	78.1	4.1	2.6	3.1	716.0	653.9	561.0	407.1	261.4	208.3	0.0	0.0	0.1	1.2	3.7	16.9	31.0	0.0	0.0	0.0
09	82.2	57.8	70.0	3.5	3.4	3.2	454.4	397.7	316.2	193.5	99.6	70.5	4.4	7.8	16.3	43.6	0.6	6.5	30.0	0.0	0.1	0.0
10	70.8	44.8	57.8	3.8	2.8	3.0	168.3	132.1	87.1	34.6	9.0	4.5	81.5	107.3	155.3	257.8	0.0	0.5	29.7	0.1	2.5	0.0
11	57.6	32.8	45.2	5.0	4.1	4.2	28.1	18.6	8.8	1.8	0.2	0.0	322.1	372.6	452.8	595.8	0.0	0.0	22.9	0.6	13.8	0.0
12	46.1	23.4	34.8	4.0	3.7	3.6	1.5	0.8	0.2	0.0	0.0	0.0	629.1	690.3	782.8	937.4	0.0	0.0	13.1	4.0	24.7	0.2
Summary	68.4	44.1	56.3	4.1	3.3	3.5	3214	2831	2298	1514	882	675	2708	3055	3617	4658	8.6	54.8	296.8	15.4	108.2	1.1

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	1.10	4.9	2.5	0.5	0.2	0.36	0.86	1.65	
02	1.54	5.0	2.9	0.9	0.3	0.79	1.37	2.03	
03	2.91	7.2	5.0	1.9	0.8	1.58	2.38	4.07	
04	4.05	8.3	5.7	2.7	1.3	2.22	4.14	5.00	
05	6.02	11.0	8.4	4.0	2.1	3.99	5.24	6.42	
06	5.69	9.4	7.4	3.7	1.9	2.94	4.80	8.21	
07	4.26	8.2	5.7	2.8	1.4	2.40	3.27	6.05	
08	4.53	7.7	5.6	3.1	1.5	2.72	4.36	5.98	
09	3.13	7.0	4.5	2.0	1.0	1.51	2.73	4.21	
10	3.67	7.4	4.9	2.2	1.0	1.58	3.47	4.60	
11	2.12	5.8	3.6	1.2	0.6	0.62	1.27	3.97	
12	1.67	5.3	3.1	1.1	0.4	0.59	1.51	2.43	
Summary	40.69	87.2	59.3	26.1	12.5	21.30	35.40	54.62	

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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	2.40	1.7	0.8	0.2	0.0	0.0	3.0	0.6	0.1	0.0	0.30	1.60	4.20
02	2.40	1.2	0.9	0.2	0.1	0.0	2.1	1.1	0.6	0.0	0.00	0.00	2.70
03	1.30	0.7	0.6	0.3	0.0	0.0	0.7	0.4	0.0	0.0	0.00	0.00	2.30
04	0.00	0.1	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	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
11	0.30	0.2	0.1	0.0	0.0	0.0	0.3	0.1	0.0	0.0	0.00	0.00	0.00
12	2.60	1.4	0.8	0.2	0.2	0.0	2.4	0.8	0.4	0.0	0.00	0.60	5.50
Summary	9.0	5.4	3.2	0.9	0.3	0.0	8.5	3.0	1.1	0.0	0.3	2.2	14.7

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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	38.2	82.2	249.9	471.3	781.2	1037.8	1229.0	1180.9	899.9	556.5	219.9	55.7
45	12.8	39.4	151.9	335.6	626.7	887.8	1074.0	1025.9	750.2	411.1	129.4	21.6
50	4.1	15.3	80.5	215.9	474.0	737.9	919.0	870.9	601.0	278.5	65.9	6.9
55	1.0	4.6	35.5	122.8	329.8	588.0	764.1	716.0	454.4	168.3	28.1	1.5
60	0.1	0.8	13.4	58.1	204.4	438.8	609.0	561.0	316.2	87.1	8.8	0.2
Growing Degree Units for Corn (Monthly)												
50/86	43.1	75.1	178.4	299.0	494.6	700.2	824.6	782.5	586.3	354.2	149.1	48.4

Growing Degree Units (Accumulated Monthly)												
40	38	120	370	842	1623	2661	3890	5070	5970	6527	6747	6802
45	13	52	204	540	1166	2054	3128	4154	4904	5315	5445	5466
50	4	19	100	316	790	1528	2447	3318	3919	4197	4263	4270
55	1	6	41	164	494	1082	1846	2562	3016	3185	3213	3214
60	0	1	14	72	277	716	1325	1886	2202	2289	2298	2298
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	43	118	297	596	1090	1790	2615	3398	3984	4338	4487	4536

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