

Summary of Monthly Normals
1991-2020

Generated on 04/29/2024

Current Location: Elev: 1112 ft. Lat: 37.8833° N Lon: 95.7278° W

Station: YATES CTR, KS US USC00149080

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	42.0	20.6	31.3	4.4	3.7	3.8	0.8	0.5	0.2	0.0	0.0	0.0	735.4	797.0	889.8	1044.5	0.0	0.0	10.3	7.8	27.3	0.9
02	47.4	24.2	35.8	5.9	4.8	5.1	4.1	2.4	1.0	0.1	0.0	0.0	541.6	596.0	678.6	817.7	0.0	0.0	12.5	4.3	22.1	0.5
03	57.3	33.1	45.2	4.6	4.5	4.3	32.3	21.7	11.0	2.6	0.2	0.1	336.1	387.5	469.9	616.4	0.0	0.0	21.9	1.1	14.0	0.0
04	66.9	43.2	55.0	3.6	3.4	3.3	112.7	84.1	49.7	14.6	2.2	0.7	111.2	142.6	198.2	313.1	0.0	0.0	28.0	0.1	3.6	0.0
05	75.2	54.5	64.8	3.4	2.9	3.0	318.4	265.6	193.0	95.8	32.4	17.8	13.1	22.2	42.7	100.4	0.0	0.4	30.8	0.0	0.0	0.0
06	84.6	63.9	74.2	2.6	1.9	2.1	577.5	517.6	428.2	282.6	149.1	103.8	0.1	0.2	0.8	5.2	0.1	6.2	30.0	0.0	0.0	0.0
07	89.3	68.3	78.8	3.3	2.1	2.5	737.7	675.7	582.7	427.8	276.1	218.2	0.0	0.0	0.0	0.1	1.5	14.6	31.0	0.0	0.0	0.0
08	88.8	66.3	77.6	3.9	2.5	3.0	698.9	637.0	544.1	389.9	242.7	189.5	0.0	0.0	0.2	1.0	1.7	14.8	31.0	0.0	0.0	0.0
09	81.2	57.9	69.5	3.4	3.1	2.9	440.5	383.3	301.7	180.8	87.9	61.0	4.0	6.9	15.2	44.4	0.3	4.7	30.0	0.0	0.0	0.0
10	69.6	46.0	57.8	3.6	2.5	2.8	166.8	130.4	86.1	34.7	9.1	4.5	80.0	105.6	154.3	257.9	0.0	0.2	29.4	0.1	2.4	0.0
11	56.8	33.9	45.4	4.8	4.1	4.2	28.3	18.6	8.6	1.5	0.2	0.0	317.8	368.1	448.1	591.0	0.0	0.0	21.8	0.5	13.4	0.0
12	45.1	24.6	34.9	3.9	3.9	3.7	2.5	1.3	0.4	0.0	0.0	0.0	627.0	687.8	779.9	934.5	0.0	0.0	12.1	5.2	25.0	0.2
Summary	67.0	44.7	55.9	3.9	3.3	3.4	3121	2738	2207	1430	800	596	2766	3114	3678	4726	3.6	40.9	288.8	19.1	107.8	1.6

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	1.07	4.2	2.5	0.8	0.2	0.31	0.97	1.75
02	1.63	4.9	3.5	1.0	0.3	0.72	1.47	2.16
03	2.67	6.7	4.8	1.8	0.6	1.44	2.40	3.66
04	4.12	8.5	6.0	2.7	1.4	2.73	3.58	4.65
05	5.89	10.0	8.1	4.4	1.7	4.02	5.12	6.84
06	5.47	8.2	6.3	3.4	1.8	2.55	4.79	7.43
07	5.04	7.6	5.7	2.6	1.4	2.46	4.02	6.76
08	3.75	7.3	5.2	2.3	1.2	1.72	2.86	5.79
09	4.37	6.7	5.1	2.9	1.4	1.70	3.31	6.57
10	3.73	6.9	5.1	2.3	1.3	1.75	3.52	4.95
11	2.26	5.4	3.8	1.4	0.6	0.84	1.52	3.50
12	1.81	4.8	3.4	1.4	0.4	0.88	1.64	2.90
Summary	41.81	81.2	59.5	27.0	12.3	21.12	35.20	56.96

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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	3.10	2.0	1.1	0.4	0.1	0.0	2.8	1.1	0.6	0.0	0.50	1.70	4.70
02	1.80	1.0	0.7	0.1	0.1	0.0	1.6	0.6	0.4	0.0	0.00	0.00	2.20
03	1.00	0.6	0.4	0.1	0.0	0.0	0.6	0.1	0.0	0.0	0.00	0.00	1.90
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	0.20	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	0.60	0.4	0.3	0.0	0.0	0.0	0.4	0.1	0.0	0.0	0.00	0.00	0.20
12	2.30	1.4	0.9	0.3	0.1	0.0	1.3	0.7	0.3	0.1	0.00	1.20	3.30
Summary	9.0	5.5	3.4	0.9	0.3	0.0	6.7	2.6	1.3	0.1	0.5	2.9	12.3

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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	37.0	77.1	233.4	459.8	770.4	1027.3	1202.6	1163.8	886.4	556.3	222.0	59.7
45	12.3	35.5	140.4	325.1	615.9	877.4	1047.7	1008.9	736.5	411.1	130.5	24.1
50	3.5	14.1	73.8	205.8	463.1	727.4	892.7	853.9	587.4	277.5	66.7	8.8
55	0.8	4.1	32.3	112.7	318.4	577.5	737.7	698.9	440.5	166.8	28.3	2.5
60	0.2	1.0	11.0	49.7	193.0	428.2	582.7	544.1	301.7	86.1	8.6	0.4
Growing Degree Units for Corn (Monthly)												
50/86	34.6	63.5	159.7	277.5	480.8	701.7	823.6	783.4	576.0	341.1	140.9	44.8

Growing Degree Units (Accumulated Monthly)												
40	37	114	348	807	1578	2605	3808	4971	5858	6414	6636	6696
45	12	48	188	513	1129	2007	3054	4063	4800	5211	5341	5365
50	4	18	91	297	760	1488	2380	3234	3822	4099	4166	4175
55	1	5	37	150	468	1046	1784	2482	2923	3090	3118	3121
60	0	1	12	62	255	683	1266	1810	2112	2198	2206	2207
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	35	98	258	535	1016	1718	2541	3325	3901	4242	4383	4428

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