

Summary of Monthly Normals
1991-2020

Generated on 06/03/2024

Current Location: Elev: 954 ft. Lat: 37.9233° N Lon: 95.4242° W
Station: IOLA 1 W, KS US USC00143984

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	41.4	20.3	30.9	4.3	3.5	3.6	1.0	0.6	0.3	0.0	0.0	0.0	749.5	811.1	903.7	1058.4	0.0	0.0	9.4	7.6	27.2	1.0
02	46.8	24.7	35.7	6.0	4.2	4.9	3.9	2.3	1.0	0.1	0.0	0.0	542.9	597.3	679.9	819.0	0.0	0.0	12.4	4.4	22.2	0.5
03	56.9	34.2	45.5	4.4	4.5	4.2	34.0	23.2	12.4	3.1	0.2	0.1	327.0	378.1	460.3	606.0	0.0	0.0	22.1	1.0	13.7	0.0
04	66.5	44.7	55.6	3.6	3.3	3.3	121.3	91.9	56.5	18.5	3.4	1.3	103.3	133.9	188.6	300.5	0.0	0.1	28.0	0.0	3.1	0.0
05	74.9	55.5	65.2	3.3	3.0	2.9	328.2	274.1	200.9	103.0	38.2	22.2	12.0	19.9	39.7	96.8	0.0	0.5	30.8	0.0	0.1	0.0
06	84.1	65.1	74.6	3.0	2.4	2.5	588.0	528.2	438.9	293.6	161.3	116.1	0.1	0.3	1.1	5.8	0.1	6.7	30.0	0.0	0.0	0.0
07	88.5	69.2	78.9	3.1	2.3	2.5	739.3	677.3	584.2	429.3	278.2	220.6	0.0	0.0	0.0	0.1	1.0	14.6	31.0	0.0	0.0	0.0
08	87.8	66.8	77.3	3.7	2.8	3.0	691.2	629.2	536.3	382.3	236.6	184.4	0.0	0.0	0.2	1.2	1.0	14.0	31.0	0.0	0.0	0.0
09	80.3	58.3	69.3	3.2	3.5	3.1	433.2	376.3	294.7	174.9	84.9	58.8	4.3	7.3	15.8	46.0	0.2	3.9	30.0	0.0	0.1	0.0
10	69.3	46.3	57.8	3.5	2.6	2.7	166.5	129.7	84.1	32.8	8.7	4.5	79.8	104.9	152.4	256.0	0.0	0.2	29.4	0.1	2.3	0.0
11	56.0	34.5	45.3	5.1	3.8	4.2	27.4	18.0	8.6	1.9	0.2	0.1	319.9	370.5	451.1	594.4	0.0	0.0	21.8	0.6	12.9	0.0
12	44.3	24.4	34.4	4.2	3.9	3.9	2.2	1.3	0.4	0.0	0.0	0.0	642.2	703.3	795.3	949.9	0.0	0.0	11.5	5.0	24.8	0.3
Summary	66.4	45.3	55.9	4.0	3.3	3.4	3136	2752	2218	1440	812	608	2781	3127	3688	4734	2.3	40.0	287.4	18.7	106.4	1.8

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	1.27	5.1	3.2	0.6	0.3	0.76	1.04	1.91
02	1.56	5.4	3.5	0.8	0.3	0.64	1.35	2.25
03	2.63	7.7	5.2	1.9	0.6	1.41	2.15	3.57
04	4.42	9.1	6.4	2.7	1.4	2.73	3.89	5.33
05	5.81	10.6	8.1	4.4	1.7	3.57	5.37	6.88
06	5.36	8.9	6.6	3.5	1.8	2.80	5.41	7.26
07	4.72	8.1	6.1	3.0	1.8	2.81	3.95	5.96
08	4.04	7.1	5.5	2.3	1.2	1.66	2.69	6.32
09	4.35	7.2	4.9	2.6	1.4	1.66	4.19	6.08
10	3.64	7.6	5.4	2.2	1.2	2.00	3.40	4.50
11	2.43	6.3	3.9	1.6	0.6	0.90	1.70	2.79
12	1.81	5.4	3.4	1.5	0.3	0.76	1.62	2.61
Summary	42.04	88.5	62.2	27.1	12.6	21.70	36.76	55.46

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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	2.70	1.9	1.3	0.4	0.1	0.0	4.4	1.8	0.4	0.0	0.90	2.00	4.80
02	1.10	1.0	0.8	0.2	0.1	0.0	1.6	0.4	0.1	0.0	0.00	0.00	1.50
03	1.00	0.5	0.5	0.1	0.0	0.0	0.7	0.2	0.0	0.0	0.00	0.00	1.80
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	0.2	0.2	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.00	0.00	0.00
12	2.40	1.1	0.9	0.4	0.1	0.0	2.8	2.2	0.8	0.2	0.00	0.00	5.00
Summary	7.4	4.7	3.7	1.1	0.3	0.0	9.8	4.6	1.3	0.2	0.9	2.0	13.1

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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	31.7	73.4	238.5	475.3	781.2	1037.8	1204.2	1156.1	878.9	556.0	219.9	54.3
45	10.3	34.0	143.7	338.9	626.6	887.9	1049.3	1001.2	729.1	410.6	128.4	21.5
50	3.2	13.3	75.5	216.7	473.8	737.9	894.3	846.2	579.9	277.6	65.0	7.6
55	1.0	3.9	34.0	121.3	328.2	588.0	739.3	691.2	433.2	166.5	27.4	2.2
60	0.3	1.0	12.4	56.5	200.9	438.9	584.2	536.3	294.7	84.1	8.6	0.4
Growing Degree Units for Corn (Monthly)												
50/86	29.7	59.7	155.3	280.8	487.6	714.5	834.8	786.9	575.8	339.8	132.3	39.2
Growing Degree Units (Accumulated Monthly)												
40	32	105	344	819	1600	2638	3842	4998	5877	6433	6653	6707
45	10	44	188	527	1154	2041	3091	4092	4821	5232	5360	5382
50	3	16	92	309	782	1520	2415	3261	3841	4118	4183	4191
55	1	5	39	160	488	1076	1816	2507	2940	3107	3134	3136
60	0	1	14	70	271	710	1294	1830	2125	2209	2218	2218
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	30	89	245	526	1013	1728	2562	3349	3925	4265	4397	4436

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