

Summary of Monthly Normals
1991-2020

Current Location: Elev: 3599 ft. Lat: 37.0058° N Lon: 101.8867° W
Station: ELKHART, KS US USC00142432
Generated on 05/20/2024

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	47.7	21.3	34.5	4.4	2.8	3.3	0.6	0.3	0.1	0.0	0.0	0.0	636.1	697.7	790.5	945.4	0.0	0.0	15.5	4.8	27.9	0.4
02	51.5	23.2	37.3	5.6	3.7	4.4	3.7	2.1	0.7	0.2	0.0	0.0	497.8	552.2	634.7	774.2	0.0	0.0	16.2	3.2	23.8	0.5
03	60.4	31.0	45.7	4.7	3.4	3.8	29.0	18.5	8.6	1.6	0.1	0.1	317.3	368.8	452.0	599.9	0.0	0.0	24.4	1.1	16.6	0.1
04	68.8	39.2	54.0	3.7	2.9	3.1	102.1	74.9	43.0	12.2	2.0	0.9	132.1	164.9	222.9	342.2	0.0	0.5	27.4	0.2	5.4	0.0
05	79.0	49.5	64.2	3.8	2.1	2.8	310.6	259.7	189.8	95.6	35.5	21.5	23.8	34.9	58.0	118.9	0.4	5.7	30.5	0.0	0.1	0.0
06	89.4	60.0	74.7	3.9	2.4	3.0	591.2	531.8	443.4	300.4	173.7	130.2	0.4	0.9	2.6	9.6	3.2	16.3	30.0	0.0	0.0	0.0
07	93.4	64.9	79.2	2.7	1.9	2.1	748.5	686.5	593.6	439.8	289.1	231.3	0.0	0.0	0.1	1.3	5.6	23.1	31.0	0.0	0.0	0.0
08	90.8	63.2	77.0	3.6	1.9	2.7	681.9	620.0	527.4	374.6	229.1	175.8	0.0	0.1	0.5	2.7	3.4	19.4	31.0	0.0	0.0	0.0
09	83.5	54.8	69.1	3.6	2.8	3.0	432.5	376.5	296.1	175.0	80.7	53.3	8.1	12.1	21.7	50.6	0.6	8.9	29.8	0.0	0.1	0.0
10	71.3	41.9	56.6	4.1	2.4	2.9	146.3	111.8	70.3	24.7	5.0	2.0	96.7	124.2	175.6	285.0	0.0	1.4	28.9	0.3	3.1	0.0
11	58.3	31.2	44.8	5.4	3.5	4.2	23.8	15.0	6.5	0.8	0.0	0.0	331.3	382.5	464.0	608.3	0.0	0.0	22.3	1.2	16.2	0.0
12	48.0	22.6	35.3	3.6	2.6	2.7	1.0	0.4	0.1	0.0	0.0	0.0	611.5	672.9	765.5	920.4	0.0	0.0	14.8	4.1	27.6	0.4
Summary	70.2	41.9	56.0	4.1	2.7	3.2	3071	2698	2180	1425	815	615	2655	3011	3588	4658	13.2	75.3	301.8	14.9	120.8	1.4

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	0.43	2.5	1.3	0.2	0.0	0.07	0.30	0.64	
02	0.31	2.7	1.0	0.1	0.0	0.07	0.25	0.49	
03	1.00	3.8	2.2	0.6	0.2	0.20	0.94	1.46	
04	1.86	5.4	3.1	0.9	0.1	0.43	0.96	2.00	
05	2.22	6.3	4.1	1.3	0.5	0.68	1.35	3.24	
06	2.55	6.8	4.4	1.6	0.6	0.99	1.99	2.94	
07	2.94	7.5	4.9	1.7	0.6	1.37	2.61	3.93	
08	2.95	7.1	4.8	2.0	0.7	1.61	2.67	4.22	
09	1.24	4.4	2.7	0.7	0.2	0.43	0.77	1.99	
10	1.67	4.0	2.4	1.0	0.5	0.55	1.23	2.53	
11	0.49	2.7	1.4	0.2	0.0	0.05	0.21	0.70	
12	0.74	3.5	1.5	0.4	0.2	0.19	0.51	0.96	
Summary	18.40	56.7	33.8	10.7	3.6	6.64	13.79	25.10	

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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	4.20	2.0	1.4	0.5	0.2	0.0	4.1	2.3	1.2	0.2	1.50	3.90	5.00
02	2.10	1.5	0.9	0.2	0.1	0.0	2.4	1.0	0.2	0.0	0.00	1.00	3.50
03	3.50	1.4	1.0	0.5	0.2	0.0	1.6	0.7	0.3	0.0	0.00	1.20	5.00
04	0.40	0.2	0.2	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.00	0.00	0.00
05	0.80	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	0.70	0.3	0.2	0.1	0.1	0.0	0.2	0.0	0.0	0.0	0.00	0.00	0.00
11	1.20	0.8	0.6	0.1	0.0	0.0	0.9	0.4	0.2	0.0	0.00	0.00	1.50
12	4.70	2.2	1.5	0.5	0.2	0.1	4.2	1.9	1.1	0.2	0.60	3.20	6.90
Summary	17.6	8.4	5.8	2.0	0.8	0.1	13.5	6.4	3.0	0.4	2.1	9.3	21.9

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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	54.1	85.6	242.5	434.3	752.1	1040.8	1213.5	1146.9	874.5	525.2	213.3	61.8
45	18.5	38.4	143.3	303.0	598.6	890.9	1058.5	991.9	725.3	382.5	123.0	22.6
50	4.3	13.7	71.6	189.7	449.5	741.0	903.5	836.9	577.5	253.0	60.3	6.1
55	0.6	3.7	29.0	102.1	310.6	591.2	748.5	681.9	432.5	146.3	23.8	1.0
60	0.1	0.7	8.6	43.0	189.8	443.4	593.6	527.4	296.1	70.3	6.5	0.1
Growing Degree Units for Corn (Monthly)												
50/86	67.9	93.9	195.9	292.0	466.0	659.6	776.7	739.7	553.2	340.8	163.4	68.6

Growing Degree Units (Accumulated Monthly)												
40	54	140	382	816	1569	2609	3823	4970	5844	6369	6583	6645
45	18	57	200	503	1102	1993	3051	4043	4768	5151	5274	5297
50	4	18	90	279	729	1470	2373	3210	3788	4041	4101	4107
55	1	4	33	135	446	1037	1786	2468	2900	3046	3070	3071
60	0	1	9	52	242	686	1279	1807	2103	2173	2180	2180
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	68	162	358	650	1116	1775	2552	3292	3845	4186	4349	4418

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

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