

Summary of Monthly Normals
1991-2020

Generated on 04/29/2024

Current Location: Elev: 1445 ft. Lat: 40.8997° N Lon: 97.0908° W

Station: SEWARD, NE US USC00257715

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	32.9	12.0	22.5	5.6	4.5	4.8	0.0	0.0	0.0	0.0	0.0	0.0	1008.8	1070.8	1163.8	1318.8	0.0	0.0	4.7	13.0	30.1	5.1
02	37.6	16.1	26.8	7.2	5.6	6.2	0.6	0.2	0.0	0.0	0.0	0.0	788.6	844.3	928.1	1068.0	0.0	0.0	7.6	9.6	25.4	3.1
03	50.0	26.6	38.3	6.1	4.6	5.0	11.7	7.5	3.5	0.8	0.0	0.0	529.5	587.2	676.3	828.6	0.0	0.0	17.3	2.7	21.5	0.6
04	61.5	37.6	49.6	3.7	3.6	3.4	54.4	38.5	21.6	6.4	1.0	0.4	217.9	262.0	335.0	469.8	0.0	0.4	25.9	0.2	8.1	0.0
05	71.9	50.2	61.0	3.6	2.9	3.1	230.4	187.4	130.9	60.2	20.5	11.8	42.8	61.9	98.4	182.7	0.0	1.8	30.6	0.0	0.5	0.0
06	81.9	60.9	71.4	2.7	2.1	2.2	492.5	433.5	346.8	211.8	102.3	69.4	0.7	1.7	5.0	20.1	0.0	7.1	30.0	0.0	0.0	0.0
07	85.7	65.2	75.4	3.1	2.8	2.8	633.9	571.9	479.0	327.8	188.0	139.0	0.0	0.0	0.2	3.9	0.8	11.9	31.0	0.0	0.0	0.0
08	83.8	62.4	73.1	3.2	2.6	2.7	561.0	499.2	407.1	259.5	133.4	94.6	0.1	0.2	1.1	8.5	0.4	9.4	31.0	0.0	0.0	0.0
09	77.5	53.0	65.3	3.1	3.2	2.9	322.1	270.7	200.2	104.6	44.6	28.8	14.8	23.3	42.8	97.3	0.1	3.9	30.0	0.0	0.1	0.0
10	64.8	39.3	52.0	4.0	2.5	2.9	83.8	60.6	35.4	12.2	3.2	1.8	175.3	214.1	281.8	413.7	0.0	0.6	28.7	0.1	6.4	0.0
11	49.6	26.4	38.0	6.3	4.2	5.0	6.1	3.2	1.3	0.2	0.0	0.0	516.1	573.2	661.2	810.1	0.0	0.0	17.1	2.8	20.7	0.1
12	36.2	16.2	26.2	5.0	4.3	4.4	0.1	0.0	0.0	0.0	0.0	0.0	892.6	954.6	1047.6	1202.5	0.0	0.0	5.8	10.8	29.4	2.5
Summary	61.1	38.8	50.0	4.5	3.6	3.8	2397	2073	1626	984	493	346	4187	4593	5241	6424	1.3	35.1	259.7	39.2	142.2	11.4

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	0.65	4.6	2.3	0.2	0.0	0.33	0.67	0.93
02	0.67	4.5	2.3	0.3	0.1	0.41	0.59	0.84
03	1.49	6.4	3.7	0.7	0.1	0.77	1.20	1.97
04	2.46	9.2	5.5	1.8	0.4	1.69	2.39	3.24
05	4.87	10.8	7.9	3.5	1.5	3.62	4.48	6.22
06	4.70	9.0	6.4	2.9	1.6	3.20	4.30	6.42
07	3.56	7.8	5.9	2.3	0.9	2.54	3.31	4.27
08	3.46	7.8	5.7	2.0	1.0	1.69	3.06	4.88
09	2.46	6.8	4.6	1.8	0.6	1.50	2.23	2.98
10	2.20	6.5	4.3	1.4	0.4	1.03	2.02	3.20
11	1.23	4.1	2.4	0.9	0.2	0.43	1.05	1.82
12	0.92	3.9	2.0	0.5	0.0	0.26	0.63	1.48
Summary	28.67	81.4	53.0	18.3	6.8	17.47	25.93	38.25

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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	5.40	3.2	2.0	0.6	0.2	0.0	13.2	8.2	4.1	0.5	2.30	3.70	9.00
02	6.00	3.1	1.9	0.7	0.4	0.0	10.6	6.1	3.0	0.3	2.00	6.00	8.50
03	3.00	1.6	0.9	0.4	0.1	0.0	3.3	1.4	0.7	0.1	0.00	0.70	5.20
04	0.90	0.5	0.4	0.0	0.0	0.0	0.4	0.2	0.1	0.0	0.00	0.00	0.50
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	0.70	0.1	0.1	0.0	0.0	0.0	0.3	0.2	0.1	0.0	0.00	0.00	0.00
11	1.50	1.4	0.6	0.1	0.0	0.0	1.8	0.5	0.2	0.0	0.00	1.00	1.80
12	4.00	2.8	1.5	0.5	0.2	0.0	8.0	4.4	1.9	0.0	1.80	3.00	5.40
Summary	21.5	12.7	7.4	2.3	0.9	0.0	37.6	21.0	10.1	0.9	6.1	14.4	30.4

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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	5.3	23.6	122.3	317.9	653.0	941.7	1098.8	1025.9	757.4	393.1	99.7	10.6
45	0.8	8.6	65.6	204.2	501.2	791.7	943.7	870.9	607.9	266.2	49.2	2.5
50	0.0	2.6	30.6	114.5	357.4	641.8	788.8	715.9	461.1	161.4	20.0	0.6
55	0.0	0.6	11.7	54.4	230.4	492.5	633.9	561.0	322.1	83.8	6.1	0.1
60	0.0	0.0	3.5	21.6	130.9	346.8	479.0	407.1	200.2	35.4	1.3	0.0
Growing Degree Units for Corn (Monthly)												
50/86	9.6	24.7	96.3	199.2	393.6	625.4	750.6	687.5	481.2	254.0	79.5	12.8

Growing Degree Units (Accumulated Monthly)												
40	5	29	151	469	1122	2064	3163	4188	4946	5339	5439	5449
45	1	9	75	279	780	1572	2516	3387	3995	4261	4310	4312
50	0	3	33	148	505	1147	1936	2652	3113	3274	3294	3295
55	0	1	12	67	297	790	1424	1984	2307	2390	2396	2397
60	0	0	4	25	156	503	982	1389	1589	1625	1626	1626
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	10	34	131	330	723	1349	2099	2787	3268	3522	3602	3614

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