

Summary of Monthly Normals
1991-2020

Generated on 04/27/2024

Current Location: Elev: 2070 ft. Lat: 41.2789° N Lon: 98.9697° W

Station: LOUP CITY, NE US USC00254985

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	37.4	12.4	24.9	5.2	4.2	4.5	0.0	0.0	0.0	0.0	0.0	0.0	933.0	995.0	1088.0	1243.0	0.0	0.0	5.2	12.5	30.8	5.7
02	41.3	15.5	28.4	7.1	5.8	6.3	0.3	0.2	0.0	0.0	0.0	0.0	745.0	800.8	884.7	1024.6	0.0	0.0	7.8	9.3	27.4	3.7
03	52.6	25.1	38.9	5.4	4.0	4.3	9.8	5.8	2.2	0.3	0.0	0.0	510.5	568.5	657.9	811.1	0.0	0.0	17.3	3.4	23.9	0.7
04	62.9	35.1	49.0	3.5	3.5	3.3	49.4	34.5	18.6	5.5	1.0	0.3	229.3	274.5	348.6	485.5	0.0	0.2	23.9	0.7	11.2	0.0
05	72.9	46.4	59.6	3.5	2.5	2.6	200.1	160.5	109.6	48.8	15.9	8.4	55.9	78.3	120.5	214.6	0.0	0.9	30.1	0.0	1.4	0.0
06	83.7	57.9	70.8	3.5	2.9	3.0	476.0	417.9	332.7	202.3	100.2	69.9	2.2	4.1	8.8	28.5	0.2	5.8	30.0	0.0	0.0	0.0
07	88.2	62.9	75.5	3.2	2.7	2.7	636.9	574.9	482.1	330.0	189.0	139.9	0.0	0.0	0.2	3.1	0.8	11.3	31.0	0.0	0.0	0.0
08	86.1	60.5	73.3	2.6	2.6	2.4	567.4	505.7	413.8	265.5	136.9	96.1	0.2	0.6	1.7	8.4	0.3	8.0	31.0	0.0	0.0	0.0
09	78.7	50.4	64.5	3.2	3.6	3.1	305.8	255.5	188.7	98.8	38.9	23.5	19.3	29.1	52.3	112.4	0.0	2.7	29.7	0.0	0.7	0.0
10	65.7	36.7	51.2	4.1	2.4	2.9	69.7	49.1	27.3	7.4	1.3	0.6	187.4	228.9	300.1	435.2	0.0	0.4	27.4	0.7	9.5	0.0
11	51.7	24.3	38.0	5.7	3.5	4.2	5.6	3.2	1.2	0.1	0.0	0.0	515.5	573.1	661.2	810.0	0.0	0.0	16.1	3.3	25.2	0.4
12	39.6	15.6	27.6	5.1	4.1	4.4	0.1	0.0	0.0	0.0	0.0	0.0	849.3	911.2	1004.2	1159.2	0.0	0.0	6.7	10.2	30.7	2.9
Summary	63.4	36.9	50.1	4.3	3.5	3.6	2321	2007	1576	959	483	339	4048	4464	5128	6336	1.3	29.3	256.2	40.1	160.8	13.4

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	0.56	3.9	1.5	0.3	0.0	0.12	0.35	0.82	
02	0.66	4.6	2.1	0.3	0.0	0.40	0.59	0.84	
03	1.53	6.6	3.6	1.0	0.3	0.49	1.20	2.44	
04	2.94	9.0	6.1	1.9	0.8	1.71	2.48	3.80	
05	4.36	11.0	8.1	3.2	1.1	2.72	4.42	5.50	
06	4.14	10.7	7.5	2.7	1.0	2.39	3.82	5.18	
07	3.23	8.9	6.0	2.2	1.0	1.45	2.82	4.31	
08	3.19	8.2	5.1	2.2	0.9	1.82	2.37	4.21	
09	2.18	5.9	3.6	1.2	0.5	0.95	1.73	2.67	
10	1.88	6.5	4.2	1.1	0.4	0.79	1.39	2.51	
11	1.13	4.4	2.6	0.7	0.3	0.18	0.78	1.52	
12	0.67	3.8	1.7	0.4	0.1	0.14	0.39	0.98	
Summary	26.47	83.5	52.1	17.2	6.4	13.16	22.34	34.78	

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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	7.70	3.7	2.6	1.0	0.5	0.0	13.8	6.9	3.3	0.3	3.00	5.00	12.10
02	6.50	3.5	2.7	0.6	0.3	0.0	9.8	5.8	3.0	0.8	2.60	6.00	9.40
03	4.50	1.9	1.5	0.6	0.3	0.0	4.3	2.3	1.6	0.4	0.30	3.00	7.20
04	1.20	0.8	0.6	0.1	0.0	0.0	1.0	0.2	0.2	0.0	0.00	0.00	1.20
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	1.30	0.6	0.5	0.2	0.1	0.0	0.6	0.3	0.1	0.0	0.00	0.00	0.10
11	3.30	1.4	1.1	0.4	0.2	0.0	2.0	0.8	0.3	0.0	0.00	1.30	4.50
12	6.20	2.6	2.1	0.6	0.3	0.0	9.1	4.3	2.3	0.0	2.50	4.50	8.90
Summary	30.7	14.5	11.1	3.5	1.7	0.0	40.6	20.6	10.8	1.5	8.4	19.8	43.4

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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	10.0	26.1	127.1	303.3	609.7	923.7	1101.8	1032.1	736.7	371.9	98.8	13.2
45	1.5	9.2	65.6	189.8	458.3	773.8	946.8	877.1	588.0	247.1	48.2	2.7
50	0.1	2.3	28.2	104.6	317.9	624.1	791.9	722.1	442.8	144.3	19.6	0.3
55	0.0	0.3	9.8	49.4	200.1	476.0	636.9	567.4	305.8	69.7	5.6	0.1
60	0.0	0.0	2.2	18.6	109.6	332.7	482.1	413.8	188.7	27.3	1.2	0.0
Growing Degree Units for Corn (Monthly)												
50/86	22.3	37.7	117.5	211.5	376.9	597.6	731.2	681.2	471.9	259.9	98.7	23.6

Growing Degree Units (Accumulated Monthly)												
40	10	36	163	466	1076	2000	3102	4134	4870	5242	5341	5354
45	2	11	76	266	724	1498	2445	3322	3910	4157	4205	4208
50	0	2	31	135	453	1077	1869	2591	3034	3178	3198	3198
55	0	0	10	60	260	736	1372	1940	2246	2315	2321	2321
60	0	0	2	21	130	463	945	1359	1548	1575	1576	1576
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	22	60	178	389	766	1364	2095	2776	3248	3508	3606	3630

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