

Summary of Monthly Normals
1991-2020

Generated on 04/27/2024

Current Location: Elev: 4278 ft. Lat: 41.4086° N Lon: 102.9661° W
Station: DALTON, NE US USC00252145

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	39.4	19.6	29.5	4.4	3.4	3.7	0.1	0.0	0.0	0.0	0.0	0.0	790.6	852.6	945.5	1100.5	0.0	0.0	6.6	8.1	28.9	2.6
02	41.3	20.1	30.7	6.3	5.4	5.6	0.5	0.2	0.0	0.0	0.0	0.0	680.6	736.3	820.1	960.1	0.0	0.0	8.7	6.3	25.8	1.9
03	51.3	28.5	39.9	4.7	3.2	3.7	7.3	3.9	1.1	0.0	0.0	0.0	475.6	534.1	624.3	778.3	0.0	0.0	18.1	3.1	23.7	0.4
04	59.3	35.6	47.5	3.7	2.5	2.8	29.8	18.3	7.5	1.2	0.1	0.0	256.1	304.7	383.9	527.6	0.0	0.0	22.9	0.9	13.7	0.0
05	68.6	46.1	57.3	4.1	2.0	2.8	150.1	114.7	71.0	23.5	4.6	1.8	77.2	103.8	153.1	260.7	0.0	0.6	29.5	0.1	2.3	0.0
06	80.5	55.4	67.9	4.2	2.8	3.2	394.1	338.0	257.4	139.0	54.3	32.8	5.8	9.7	19.1	50.7	0.1	4.5	29.9	0.0	0.0	0.0
07	87.0	61.6	74.3	3.1	2.1	2.4	598.1	536.2	444.0	293.1	156.0	110.5	0.0	0.2	0.9	5.0	0.7	13.5	31.0	0.0	0.0	0.0
08	84.9	59.6	72.3	2.9	2.0	2.3	535.2	473.8	383.0	237.8	111.3	72.1	0.6	1.3	3.4	13.2	0.0	9.4	31.0	0.0	0.0	0.0
09	75.8	50.5	63.1	3.2	2.6	2.7	270.4	221.8	156.5	72.3	22.0	11.2	26.0	37.5	62.2	127.9	0.0	2.3	29.3	0.0	0.6	0.0
10	61.3	37.9	49.6	4.4	3.4	3.6	47.1	30.9	14.0	2.5	0.1	0.0	214.3	260.1	336.3	479.8	0.0	0.0	26.3	0.6	9.3	0.0
11	48.9	27.5	38.2	5.2	3.0	3.9	2.9	1.3	0.3	0.0	0.0	0.0	506.9	565.2	654.3	804.0	0.0	0.0	15.2	3.3	23.0	0.3
12	39.6	20.4	30.0	3.9	3.9	3.7	0.1	0.0	0.0	0.0	0.0	0.0	774.8	836.7	929.7	1084.7	0.0	0.0	6.8	8.0	28.9	2.1
Summary	61.5	38.6	50.0	4.2	3.0	3.4	2036	1739	1335	769	348	228	3808	4242	4933	6192	0.8	30.3	255.3	30.4	156.2	7.3

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	0.46	3.8	1.7	0.1	0.0	0.31	0.38	0.52	
02	0.64	4.9	2.2	0.1	0.0	0.40	0.59	0.89	
03	1.14	5.6	3.4	0.5	0.1	0.57	0.91	1.68	
04	2.27	8.0	5.1	1.6	0.5	1.40	2.34	3.05	
05	3.47	9.7	6.8	2.0	0.6	1.97	3.03	4.35	
06	2.97	9.9	6.4	1.7	0.4	1.58	2.39	4.24	
07	2.91	7.9	5.6	1.9	0.6	1.58	2.49	4.11	
08	1.97	7.5	4.5	1.4	0.3	1.06	1.87	2.68	
09	1.85	6.0	4.0	1.2	0.4	0.73	1.28	2.22	
10	1.59	5.9	3.9	1.1	0.2	0.88	1.25	1.85	
11	0.69	3.5	2.2	0.3	0.0	0.31	0.68	0.93	
12	0.57	3.6	1.9	0.2	0.0	0.23	0.40	0.67	
Summary	20.53	76.3	47.7	12.1	3.1	11.02	17.61	27.19	

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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	7.30	2.3	2.1	0.8	0.3	0.1	8.3	4.9	3.4	0.9	5.00	6.50	10.70
02	8.80	3.1	2.8	1.0	0.6	0.1	8.0	4.8	2.4	0.5	5.00	9.20	12.30
03	6.10	2.3	2.1	0.8	0.3	0.1	4.1	1.7	0.8	0.3	0.20	5.30	9.00
04	6.40	1.3	1.2	0.8	0.5	0.1	1.6	0.9	0.4	0.2	1.40	4.00	9.00
05	1.60	0.4	0.3	0.2	0.2	0.0	0.4	0.3	0.2	0.0	0.00	0.00	0.20
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	0.20	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.00	0.00	0.00
10	3.10	0.9	0.7	0.4	0.3	0.0	0.7	0.6	0.4	0.1	0.00	0.10	5.00
11	5.60	1.9	1.8	0.8	0.4	0.1	3.0	1.2	0.5	0.2	2.00	5.00	8.00
12	9.00	2.4	2.2	1.0	0.5	0.2	8.4	4.8	3.8	2.1	2.50	4.50	9.00
Summary	48.1	14.7	13.3	5.8	3.1	0.7	34.6	19.2	11.9	4.3	16.1	34.6	63.2

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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	20.5	29.8	135.0	261.8	540.4	838.3	1062.9	999.5	694.8	326.4	103.6	25.7
45	4.8	10.0	66.4	155.4	393.0	688.5	907.9	844.5	547.5	205.6	48.0	7.4
50	0.9	2.7	25.6	77.6	259.0	539.7	753.0	689.7	403.9	111.1	15.0	1.1
55	0.1	0.5	7.3	29.8	150.1	394.1	598.1	535.2	270.4	47.1	2.9	0.1
60	0.0	0.0	1.1	7.5	71.0	257.4	444.0	383.0	156.5	14.0	0.3	0.0
Growing Degree Units for Corn (Monthly)												
50/86	18.0	26.8	99.9	170.8	310.6	527.8	698.7	656.3	426.2	199.1	76.5	19.8

Growing Degree Units (Accumulated Monthly)												
40	20	50	185	447	988	1826	2889	3888	4583	4909	5013	5039
45	5	15	81	237	630	1318	2226	3070	3618	3824	3872	3879
50	1	4	29	107	366	906	1658	2348	2752	2863	2878	2879
55	0	1	8	38	188	582	1180	1715	1986	2033	2036	2036
60	0	0	1	9	80	337	781	1164	1320	1334	1335	1335
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	18	45	145	316	626	1154	1853	2509	2935	3134	3211	3230

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

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