

Summary of Monthly Normals
1991-2020

Generated on 05/23/2024

Current Location: Elev: 1408 ft. Lat: 42.2619° N Lon: 96.8636° W
Station: WAKEFIELD, NE US USC00258915

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	31.7	9.5	20.6	5.8	4.7	5.0	0.0	0.0	0.0	0.0	0.0	0.0	1066.2	1128.2	1221.2	1376.3	0.0	0.0	3.1	15.7	30.7	7.4
02	36.9	13.7	25.3	7.1	6.4	6.6	0.2	0.1	0.0	0.0	0.0	0.0	831.7	887.5	971.4	1111.5	0.0	0.0	5.2	11.9	26.4	4.9
03	49.8	23.7	36.7	6.4	4.5	5.0	9.1	5.9	3.0	0.8	0.0	0.0	574.9	633.7	723.9	876.6	0.0	0.0	15.4	3.8	23.9	1.0
04	62.8	34.2	48.5	4.1	3.6	3.6	47.9	34.0	19.5	6.3	1.3	0.6	242.9	289.1	364.6	501.3	0.0	0.3	25.0	0.3	11.0	0.0
05	73.3	46.1	59.7	3.6	2.9	3.0	201.7	161.7	110.5	49.8	16.5	9.5	56.0	78.1	119.9	214.1	0.0	1.9	30.6	0.0	1.5	0.0
06	83.0	57.1	70.0	3.3	2.7	2.9	452.8	394.7	310.1	181.3	81.1	53.6	1.5	3.4	8.7	29.9	0.3	6.2	30.0	0.0	0.0	0.0
07	86.3	60.6	73.4	3.9	3.1	3.3	571.8	509.8	417.6	268.8	138.2	97.3	0.0	0.0	0.7	7.0	0.5	10.1	31.0	0.0	0.0	0.0
08	84.1	58.5	71.3	2.6	2.4	2.2	505.5	443.9	353.1	210.6	95.5	62.6	0.3	0.7	2.9	15.4	0.1	5.7	31.0	0.0	0.0	0.0
09	78.3	49.6	63.9	3.4	3.3	3.0	289.2	239.7	172.7	85.8	32.0	18.5	20.8	31.3	54.4	117.4	0.0	2.2	29.9	0.0	0.9	0.0
10	65.1	37.2	51.1	4.0	2.4	2.9	72.9	53.1	31.2	10.6	2.7	1.4	192.3	234.5	305.7	440.0	0.0	0.4	27.7	0.1	9.0	0.0
11	48.2	23.5	35.9	6.4	4.1	5.0	4.7	2.7	1.0	0.1	0.0	0.0	579.2	637.2	725.4	874.6	0.0	0.0	14.0	4.3	23.3	0.5
12	35.1	13.6	24.3	5.6	4.7	4.9	0.0	0.0	0.0	0.0	0.0	0.0	949.9	1011.9	1104.9	1260.0	0.0	0.0	3.8	12.5	30.2	4.1
Summary	61.2	35.6	48.4	4.7	3.7	3.9	2156	1846	1419	814	367	244	4516	4936	5604	6824	0.9	26.8	246.7	48.6	156.9	17.9

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	0.74	5.5	2.3	0.2	0.0	0.38	0.67	1.03	
02	0.95	5.4	2.8	0.4	0.1	0.57	0.91	1.26	
03	1.67	6.7	3.9	1.1	0.3	0.69	1.37	2.51	
04	3.33	9.8	6.5	2.3	0.8	2.50	2.97	4.01	
05	4.12	11.8	8.0	2.8	0.9	2.80	3.82	5.56	
06	5.03	10.5	7.4	3.3	1.2	2.77	4.18	6.57	
07	3.13	9.4	6.0	2.0	0.8	1.79	2.78	4.25	
08	3.72	9.3	5.6	2.1	1.1	1.80	3.27	4.89	
09	3.01	7.6	4.6	2.0	0.9	1.64	2.86	3.72	
10	2.50	7.2	4.3	1.5	0.7	1.23	1.75	3.18	
11	1.40	5.3	3.0	1.0	0.2	0.50	1.09	2.05	
12	1.09	5.7	2.9	0.6	0.1	0.31	0.92	1.60	
Summary	30.69	94.2	57.3	19.3	7.1	16.98	26.59	40.63	

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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	6.90	4.9	2.1	0.9	0.3	0.0	18.7	13.5	8.0	2.0	2.70	6.90	10.60
02	8.10	4.7	2.5	0.8	0.3	0.1	14.1	10.8	8.5	3.1	5.10	6.50	10.70
03	5.60	2.8	1.4	0.6	0.2	0.1	6.6	4.4	2.4	1.3	2.00	4.30	7.50
04	2.80	1.5	0.9	0.4	0.1	0.0	1.1	0.4	0.2	0.0	0.00	0.90	2.80
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	0.60	0.6	0.2	0.1	0.0	0.0	0.3	0.1	0.0	0.0	0.00	0.00	0.40
11	3.60	2.0	1.2	0.4	0.1	0.0	3.4	1.7	0.7	0.0	0.90	2.50	4.80
12	7.90	4.7	2.4	0.9	0.4	0.0	13.5	8.7	4.8	0.9	4.00	5.90	11.50
Summary	35.5	21.2	10.7	4.1	1.4	0.2	57.7	39.6	24.6	7.3	14.7	27.0	48.3

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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	3.4	16.3	103.0	293.5	611.4	901.2	1036.7	970.1	718.4	369.4	80.3	5.5
45	0.3	5.0	52.8	184.4	460.7	751.1	881.7	815.0	569.2	245.6	38.4	0.9
50	0.0	1.4	23.9	101.2	320.9	601.4	726.8	660.1	424.0	144.4	15.7	0.1
55	0.0	0.2	9.1	47.9	201.7	452.8	571.8	505.5	289.2	72.9	4.7	0.0
60	0.0	0.0	3.0	19.5	110.5	310.1	417.6	353.1	172.7	31.2	1.0	0.0
Growing Degree Units for Corn (Monthly)												
50/86	8.5	18.9	94.0	213.2	385.0	584.1	686.9	639.9	464.9	253.0	71.3	9.6

Growing Degree Units (Accumulated Monthly)												
40	3	20	123	416	1028	1929	2966	3936	4654	5023	5104	5109
45	0	5	58	242	703	1454	2336	3151	3720	3966	4004	4005
50	0	1	25	126	447	1049	1776	2436	2860	3004	3020	3020
55	0	0	9	57	259	712	1284	1789	2078	2151	2156	2156
60	0	0	3	22	133	443	861	1214	1387	1418	1419	1419
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	8	27	121	335	720	1304	1991	2630	3095	3348	3420	3429

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