

Summary of Monthly Normals
1991-2020

Generated on 06/04/2024

Current Location: Elev: 1551 ft. Lat: 41.9856° N Lon: 97.4353° W
Station: **NORFOLK KARL STEFAN AP, NE US USW00014941**

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	32.7	11.8	22.3	5.7	4.7	5.0	0.0	0.0	0.0	0.0	0.0	0.0	1015.1	1077.1	1170.1	1325.1	0.0	0.0	3.8	14.7	30.3	6.1
02	37.0	15.6	26.3	7.1	5.7	6.2	0.4	0.2	0.1	0.0	0.0	0.0	803.8	859.6	943.5	1083.4	0.0	0.0	6.0	10.7	26.2	3.5
03	49.6	26.0	37.8	6.4	4.3	5.0	10.7	6.7	3.0	0.7	0.1	0.0	543.9	602.0	691.3	844.0	0.0	0.0	15.2	3.9	22.0	0.7
04	61.4	36.5	48.9	3.9	3.2	3.3	49.6	35.1	20.2	6.7	1.5	0.6	231.1	276.6	351.7	488.2	0.0	0.5	24.8	0.4	9.4	0.0
05	72.2	48.0	60.1	3.6	2.7	2.9	208.2	167.8	115.3	53.6	18.5	10.8	50.2	71.8	112.2	205.6	0.0	1.5	30.5	0.0	0.8	0.0
06	82.2	58.6	70.4	3.0	2.5	2.6	463.1	404.9	319.8	190.8	89.9	60.7	1.3	3.0	8.0	29.0	0.1	5.5	30.0	0.0	0.0	0.0
07	86.4	63.2	74.8	3.8	2.9	3.1	613.6	551.6	458.8	307.8	170.9	124.7	0.0	0.0	0.2	4.2	0.8	10.3	31.0	0.0	0.0	0.0
08	84.0	60.8	72.4	2.8	2.4	2.3	539.4	477.6	386.1	240.4	118.8	81.7	0.1	0.4	1.8	11.1	0.2	6.5	31.0	0.0	0.0	0.0
09	77.4	51.3	64.4	3.5	3.5	3.2	300.7	251.4	184.3	96.3	41.0	26.5	20.3	31.0	54.0	115.9	0.0	3.1	29.8	0.0	0.5	0.0
10	63.6	38.1	50.8	4.2	2.7	3.2	70.8	51.4	29.9	10.3	2.9	1.6	199.4	242.1	313.6	449.0	0.0	0.5	26.8	0.3	8.1	0.0
11	48.3	25.2	36.8	6.2	3.9	4.9	6.3	3.7	1.2	0.1	0.0	0.0	553.7	611.1	698.6	847.5	0.0	0.0	14.2	4.1	22.7	0.4
12	35.7	15.6	25.7	5.5	4.4	4.8	0.0	0.0	0.0	0.0	0.0	0.0	909.6	971.6	1064.6	1219.6	0.0	0.0	4.4	12.1	29.9	3.1
Summary	60.9	37.6	49.2	4.6	3.6	3.9	2263	1950	1519	907	444	307	4329	4746	5410	6623	1.1	27.9	247.5	46.2	149.9	13.8

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	0.61	6.1	1.9	0.1	0.0	0.27	0.57	0.85
02	0.80	6.2	2.4	0.4	0.0	0.37	0.70	1.13
03	1.44	7.6	3.3	0.8	0.2	0.69	1.14	2.42
04	2.73	9.6	5.6	1.8	0.5	1.91	2.73	3.70
05	4.00	11.8	7.4	2.5	1.0	2.42	4.32	5.14
06	4.37	10.8	7.1	2.7	1.2	2.58	3.68	5.43
07	2.98	9.2	5.5	2.0	0.7	1.35	2.64	4.07
08	3.50	9.3	5.4	2.0	1.0	1.65	3.23	5.41
09	2.37	7.8	4.8	1.5	0.6	1.52	2.34	3.14
10	2.15	7.4	4.1	1.3	0.6	0.96	1.95	3.05
11	1.22	5.7	2.5	0.8	0.1	0.37	0.97	2.01
12	0.84	6.0	2.1	0.4	0.0	0.24	0.50	1.12
Summary	27.01	97.5	52.1	16.3	5.9	14.33	24.77	37.47

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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	5.1	2.1	0.8	0.3	0.0	15.0	8.3	4.5	1.0	2.30	6.70	9.40
02	6.10	4.9	2.2	0.5	0.2	0.0	11.9	7.2	4.3	0.5	2.50	5.10	8.40
03	4.50	3.1	1.3	0.5	0.2	0.0	4.6	2.2	1.0	0.2	1.00	2.90	7.40
04	2.30	1.5	0.8	0.3	0.1	0.0	1.1	0.4	0.2	0.0	0.00	0.40	3.50
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	0.80	0.6	0.2	0.1	0.0	0.0	0.4	0.1	0.0	0.0	0.00	0.00	0.00
11	3.20	2.3	1.1	0.3	0.1	0.0	3.0	1.6	0.7	0.1	0.80	2.40	4.00
12	6.10	4.4	2.0	0.5	0.2	0.0	11.5	4.9	2.4	0.6	2.70	4.60	7.80
Summary	29.9	21.9	9.7	3.0	1.1	0.0	47.5	24.7	13.1	2.4	9.3	22.1	40.5

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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	6.5	19.3	115.3	300.4	623.4	911.8	1078.6	1004.2	730.4	361.1	88.9	9.6
45	1.1	6.0	60.7	188.1	471.3	761.8	923.6	849.2	581.6	238.3	42.9	2.0
50	0.0	1.6	27.9	104.4	329.8	612.0	768.6	694.3	436.4	140.1	17.8	0.2
55	0.0	0.4	10.7	49.6	208.2	463.1	613.6	539.4	300.7	70.8	6.3	0.0
60	0.0	0.1	3.0	20.2	115.3	319.8	458.8	386.1	184.3	29.9	1.2	0.0
Growing Degree Units for Corn (Monthly)												
50/86	10.4	21.4	93.2	195.9	379.6	596.8	725.6	668.7	464.4	234.5	72.2	12.0

Growing Degree Units (Accumulated Monthly)												
40	6	26	141	442	1065	1977	3055	4060	4790	5151	5240	5250
45	1	7	68	256	727	1489	2413	3262	3843	4082	4125	4127
50	0	2	30	134	464	1076	1844	2539	2975	3115	3133	3133
55	0	0	11	61	269	732	1346	1885	2186	2256	2263	2263
60	0	0	3	23	139	458	917	1303	1488	1518	1519	1519
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	10	32	125	321	700	1297	2023	2692	3156	3391	3463	3475

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