

Summary of Monthly Normals
1991-2020

Current Location: Elev: 641 ft. Lat: 39.0172° N Lon: 92.7558° W
Station: NEW FRANKLIN 1W, MO US USC00236012
Generated on 04/27/2024

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	37.8	18.3	28.1	4.4	4.4	4.2	0.6	0.3	0.1	0.0	0.0	0.0	835.9	897.5	990.3	1145.2	0.0	0.0	6.0	10.7	27.7	2.5
02	43.0	22.6	32.8	5.7	5.3	5.4	2.5	1.5	0.5	0.1	0.0	0.0	624.1	679.0	762.0	901.6	0.0	0.0	9.0	6.2	23.0	0.9
03	54.4	32.4	43.4	5.0	4.4	4.5	28.4	19.7	10.6	2.6	0.1	0.0	388.1	441.4	525.2	672.2	0.0	0.0	19.6	1.6	15.7	0.1
04	65.2	42.9	54.0	3.6	3.3	3.4	105.6	80.2	49.6	17.1	3.3	1.1	134.1	168.8	228.1	345.6	0.0	0.0	27.3	0.0	3.5	0.0
05	74.6	54.0	64.3	3.3	3.4	3.2	306.4	255.0	185.6	94.3	33.8	19.6	18.2	28.7	52.3	116.0	0.0	0.7	30.8	0.0	0.0	0.0
06	83.2	63.4	73.3	2.3	2.3	2.1	549.1	489.5	400.9	258.5	134.6	93.3	0.2	0.7	2.1	9.7	0.1	5.1	30.0	0.0	0.0	0.0
07	87.2	67.1	77.2	3.0	2.5	2.5	686.6	624.5	531.5	377.4	230.2	176.4	0.0	0.0	0.0	0.9	0.8	11.5	31.0	0.0	0.0	0.0
08	86.3	64.8	75.5	3.3	2.9	2.8	636.9	574.9	482.0	329.5	189.4	141.2	0.0	0.0	0.1	2.6	0.7	10.1	31.0	0.0	0.0	0.0
09	79.0	55.9	67.5	3.1	3.4	3.0	382.0	327.0	249.3	140.0	63.0	41.9	8.6	13.6	25.9	66.5	0.0	3.0	30.0	0.0	0.0	0.0
10	67.5	43.7	55.6	3.2	2.3	2.4	127.7	97.8	61.8	23.1	6.0	3.2	109.1	141.2	198.2	314.4	0.0	0.2	29.1	0.0	3.2	0.0
11	54.0	33.1	43.6	5.6	3.9	4.5	22.6	15.3	7.6	1.3	0.1	0.0	366.1	418.8	501.1	644.8	0.0	0.0	18.6	1.2	14.4	0.1
12	42.4	23.4	32.9	4.4	4.4	4.2	1.9	1.1	0.4	0.0	0.0	0.0	686.9	748.0	840.4	995.0	0.0	0.0	8.7	6.6	25.5	0.7
Summary	64.5	43.5	54.0	3.9	3.5	3.5	2850	2487	1980	1244	660	477	3171	3538	4126	5214	1.6	30.6	271.1	26.3	113.0	4.3

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	1.98	7.3	4.0	1.1	0.5	0.93	1.64	2.51
02	2.10	7.2	4.0	1.4	0.5	1.18	2.06	2.58
03	2.93	9.1	5.8	2.0	0.5	1.89	2.93	3.77
04	4.41	11.1	7.4	2.9	1.1	2.76	4.00	6.22
05	4.87	12.4	8.3	3.2	1.3	3.11	4.65	6.29
06	4.64	10.3	6.9	3.0	1.5	3.00	4.02	6.76
07	4.39	9.0	6.1	2.9	1.3	1.69	3.96	6.21
08	4.03	8.6	5.4	2.4	1.3	2.59	3.40	5.59
09	4.10	8.0	5.6	2.4	1.1	2.29	3.17	4.90
10	3.45	9.0	5.7	2.4	1.1	1.59	3.23	4.33
11	2.70	7.6	4.7	1.9	0.7	1.47	2.04	3.12
12	1.88	7.3	4.1	1.2	0.4	1.01	1.74	2.79
Summary	41.48	106.9	68.0	26.8	11.3	23.51	36.84	55.07

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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	2.90	1.5	1.0	0.4	0.2	0.1	4.6	1.1	0.3	0.0	0.30	2.30	4.20
02	3.70	2.0	1.4	0.4	0.3	0.1	3.8	1.3	0.5	0.0	0.20	1.80	5.10
03	0.70	0.5	0.4	0.2	0.1	0.0	0.7	0.2	0.0	0.0	0.00	0.00	0.80
04	0.10	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.00	0.00	0.00
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	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
11	0.50	0.4	0.3	0.0	0.0	0.0	0.6	0.1	0.0	0.0	0.00	0.00	0.00
12	2.40	1.3	0.9	0.2	0.0	0.0	2.4	1.0	0.3	0.1	0.00	0.90	2.50
Summary	10.3	5.8	4.1	1.2	0.6	0.2	12.2	3.7	1.1	0.1	0.5	5.0	12.6

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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	22.1	52.9	194.6	432.1	753.3	998.8	1151.5	1101.8	823.4	489.0	187.6	46.0
45	7.7	24.4	114.1	301.8	599.0	848.9	996.5	946.9	673.7	347.1	105.8	18.5
50	2.3	8.8	60.7	190.6	447.5	698.9	841.5	791.9	525.3	224.6	52.7	6.5
55	0.6	2.5	28.4	105.6	306.4	549.1	686.6	636.9	382.0	127.7	22.6	1.9
60	0.1	0.5	10.6	49.6	185.6	400.9	531.5	482.0	249.3	61.8	7.6	0.4
Growing Degree Units for Corn (Monthly)												
50/86	19.6	40.8	128.3	256.0	467.9	680.2	793.7	748.5	532.0	299.0	114.9	31.9

Growing Degree Units (Accumulated Monthly)												
40	22	75	270	702	1455	2454	3605	4707	5530	6020	6207	6253
45	8	32	146	448	1047	1896	2892	3839	4513	4860	4966	4984
50	2	11	72	262	710	1409	2250	3042	3568	3792	3845	3851
55	1	3	32	137	444	993	1679	2316	2698	2826	2848	2850
60	0	1	11	61	246	647	1179	1661	1910	1972	1979	1980
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	20	60	189	445	913	1593	2386	3135	3667	3966	4081	4113

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