

Summary of Monthly Normals
1991-2020

Generated on 06/04/2024

Current Location: Elev: 3200 ft. Lat: 40.8508° N Lon: 101.5428° W

Station: MADRID, NE US USC00255090

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	39.6	13.5	26.6	4.7	3.2	3.7	0.0	0.0	0.0	0.0	0.0	0.0	881.9	943.9	1036.9	1191.9	0.0	0.0	7.9	8.7	30.7	3.7
02	42.5	15.9	29.2	7.0	5.1	5.7	0.3	0.2	0.0	0.0	0.0	0.0	722.5	778.4	862.1	1002.3	0.0	0.0	9.5	7.5	27.2	2.7
03	53.7	24.5	39.1	5.2	3.3	4.0	5.1	2.7	0.8	0.0	0.0	0.0	498.1	557.7	648.9	803.0	0.0	0.0	19.7	2.7	25.3	0.6
04	61.6	33.1	47.3	3.9	3.3	3.3	30.0	19.4	9.7	1.7	0.2	0.1	259.3	308.8	389.1	531.2	0.0	0.1	24.0	0.7	13.3	0.0
05	71.7	45.3	58.5	4.4	2.4	3.2	182.6	145.4	97.0	39.3	10.9	5.7	74.0	98.9	143.5	240.8	0.0	1.9	29.5	0.0	1.9	0.0
06	83.6	56.1	69.9	3.8	2.4	3.0	449.6	392.4	308.6	181.9	84.4	56.8	4.3	7.0	13.3	36.5	0.9	9.0	29.9	0.0	0.0	0.0
07	89.3	61.4	75.3	3.1	1.7	2.2	630.6	568.7	475.9	323.8	181.7	132.4	0.0	0.1	0.4	3.1	2.8	17.0	31.0	0.0	0.0	0.0
08	87.3	58.8	73.0	3.3	2.0	2.4	559.5	497.9	406.5	260.1	130.1	88.8	0.1	0.5	2.1	10.6	1.1	12.8	31.0	0.0	0.0	0.0
09	79.5	48.6	64.0	3.4	2.8	2.9	294.7	245.4	178.0	88.1	30.4	16.8	23.4	34.1	56.7	116.7	0.2	6.1	29.6	0.0	0.5	0.0
10	65.3	34.7	50.0	4.3	2.7	3.2	54.6	36.5	17.4	3.3	0.2	0.1	209.4	253.4	327.3	468.3	0.0	0.5	27.2	0.6	11.2	0.0
11	51.2	22.9	37.1	5.4	3.0	3.9	1.6	0.7	0.1	0.0	0.0	0.0	540.1	599.1	688.6	838.5	0.0	0.0	16.8	2.9	26.9	0.6
12	40.6	14.9	27.7	3.8	3.6	3.4	0.1	0.0	0.0	0.0	0.0	0.0	844.5	906.5	999.4	1154.6	0.0	0.0	8.9	7.6	30.9	2.2
Summary	63.8	35.8	49.8	4.4	3.0	3.4	2209	1909	1494	898	438	301	4058	4488	5168	6398	5.0	47.4	265.0	30.7	167.9	9.8

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	0.36	4.1	1.2	0.2	0.0	0.15	0.23	0.57
02	0.70	5.2	2.2	0.2	0.0	0.31	0.64	0.92
03	1.02	6.1	3.0	0.5	0.2	0.40	0.92	1.50
04	2.04	8.1	4.7	1.4	0.5	0.96	1.86	2.94
05	3.54	10.5	6.4	2.0	0.9	2.08	3.15	5.08
06	3.28	8.9	6.1	2.1	0.8	1.64	3.52	4.90
07	3.64	8.7	5.9	2.5	1.2	2.34	3.13	4.65
08	2.53	7.6	4.6	1.6	0.9	1.49	1.93	3.35
09	1.64	6.1	3.6	0.9	0.3	0.90	1.59	2.25
10	1.77	6.3	3.4	0.9	0.3	0.69	1.81	2.45
11	0.53	3.8	1.8	0.2	0.0	0.23	0.31	0.62
12	0.40	3.7	1.4	0.2	0.0	0.22	0.28	0.55
Summary	21.45	79.1	44.3	12.7	5.1	11.41	19.37	29.78

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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	9.2	26.8	117.9	262.9	575.3	895.3	1095.6	1024.4	721.9	340.3	82.7	10.2
45	2.0	8.6	54.6	157.5	428.3	745.5	940.6	869.4	574.3	218.5	36.0	2.4
50	0.3	2.2	19.5	78.0	294.4	596.6	785.6	714.4	430.0	121.6	11.2	0.3
55	0.0	0.3	5.1	30.0	182.6	449.6	630.6	559.5	294.7	54.6	1.6	0.1
60	0.0	0.0	0.8	9.7	97.0	308.6	475.9	406.5	178.0	17.4	0.1	0.0
Growing Degree Units for Corn (Monthly)												
50/86	21.9	39.8	124.4	199.3	353.3	565.1	707.8	658.6	455.3	252.2	94.3	23.8

Growing Degree Units (Accumulated Monthly)												
40	9	36	154	417	992	1887	2983	4007	4729	5070	5152	5162
45	2	11	65	223	651	1396	2337	3206	3781	3999	4035	4038
50	0	2	22	100	394	991	1777	2491	2921	3043	3054	3054
55	0	0	5	35	218	668	1298	1858	2152	2207	2209	2209
60	0	0	1	10	108	416	892	1298	1476	1494	1494	1494
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	22	62	186	385	739	1304	2012	2670	3126	3378	3472	3496

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

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