

Summary of Monthly Normals
1991-2020

Generated on 06/04/2024

Current Location: Elev: 970 ft. Lat: 40.2058° N Lon: 92.5747° W

Station: KIRKSVILLE, MO US USC00234544

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	33.6	15.1	24.3	4.6	4.9	4.5	0.0	0.0	0.0	0.0	0.0	0.0	950.0	1011.9	1104.9	1260.0	0.0	0.0	4.1	14.0	28.7	4.3
02	38.4	19.0	28.7	6.1	6.0	5.9	1.4	0.7	0.3	0.1	0.0	0.0	737.7	793.0	876.6	1016.4	0.0	0.0	6.2	9.8	24.2	2.2
03	50.5	29.2	39.8	5.1	4.6	4.7	17.9	12.1	6.0	1.2	0.0	0.0	487.6	543.8	630.8	780.9	0.0	0.0	15.7	2.7	19.3	0.3
04	62.4	39.5	50.9	3.4	3.1	3.2	67.1	48.0	27.0	8.0	1.0	0.2	188.6	229.5	298.5	429.5	0.0	0.0	26.8	0.1	6.4	0.0
05	72.1	51.2	61.7	3.3	3.0	3.0	239.5	193.9	134.1	61.3	19.4	10.8	33.4	49.7	83.0	165.2	0.0	0.3	30.9	0.0	0.2	0.0
06	81.4	61.3	71.4	2.4	2.0	2.1	490.8	431.5	344.3	208.2	97.1	63.7	0.4	1.1	3.9	17.8	0.1	3.2	30.0	0.0	0.0	0.0
07	85.7	65.5	75.6	3.3	2.6	2.8	638.5	576.5	483.5	330.3	187.2	138.0	0.0	0.0	0.0	1.8	0.6	8.9	31.0	0.0	0.0	0.0
08	84.3	63.3	73.8	2.9	2.6	2.5	582.7	520.7	428.2	278.2	147.1	104.7	0.0	0.1	0.6	5.5	0.2	7.1	31.0	0.0	0.0	0.0
09	77.0	54.3	65.6	3.6	3.2	3.2	332.5	280.1	208.0	111.4	47.3	30.9	13.0	20.7	38.6	92.0	0.0	2.3	30.0	0.0	0.1	0.0
10	64.6	42.9	53.7	3.1	2.4	2.6	102.6	77.2	47.5	17.1	4.8	2.9	141.3	178.0	241.3	365.9	0.0	0.1	28.2	0.0	4.2	0.0
11	50.7	30.7	40.7	5.7	4.6	5.0	14.1	8.6	3.4	0.4	0.0	0.0	443.1	497.5	582.4	729.4	0.0	0.0	16.7	2.1	16.6	0.0
12	38.6	21.1	29.8	4.8	4.7	4.6	0.9	0.5	0.1	0.0	0.0	0.0	780.5	842.0	934.6	1089.6	0.0	0.0	6.1	9.9	26.5	1.3
Summary	61.6	41.1	51.3	4.0	3.6	3.7	2488	2150	1682	1016	504	351	3776	4167	4795	5954	0.9	21.9	256.7	38.6	126.2	8.1

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	1.39	5.5	3.0	0.6	0.1	0.77	1.25	2.05	
02	2.01	6.6	3.7	1.3	0.4	1.07	1.70	3.06	
03	2.67	8.4	5.5	1.8	0.5	1.67	2.69	3.46	
04	4.09	11.1	7.5	2.8	0.9	3.27	4.33	4.79	
05	5.79	11.9	8.9	3.8	1.7	3.53	5.66	6.39	
06	5.94	10.8	7.8	3.9	2.0	3.84	5.08	7.70	
07	4.85	8.7	6.2	3.1	1.4	2.21	3.09	6.07	
08	4.16	9.0	6.8	2.5	1.1	2.54	3.93	5.11	
09	4.18	8.1	5.7	2.7	1.2	2.65	3.34	4.78	
10	3.29	8.9	5.6	2.1	0.9	1.60	2.51	4.85	
11	2.32	7.6	4.7	1.8	0.6	1.24	1.95	2.76	
12	1.78	7.0	3.4	1.0	0.3	0.97	1.62	2.33	
Summary	42.47	103.6	68.8	27.4	11.1	25.36	37.15	53.35	

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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	6.00	2.8	1.9	0.8	0.3	0.0					2.00	5.00	8.00
02	4.60	2.7	1.9	0.6	0.2	0.0					0.00	1.80	5.70
03	2.20	1.2	0.9	0.3	0.0	0.0					0.00	2.00	3.50
04	0.80	0.3	0.2	0.1	0.0	0.0					0.00	0.00	0.00
05	0.00	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					0.00	0.00	0.00
07	0.00	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					0.00	0.00	0.00
09	0.00	0.0	0.0	0.0	0.0	0.0					0.00	0.00	0.00
10	0.10	0.1	0.0	0.0	0.0	0.0					0.00	0.00	0.00
11	1.30	0.7	0.5	0.1	0.0	0.0					0.00	0.00	1.00
12	4.00	2.4	1.8	0.6	0.1	0.0					0.70	3.20	6.00
Summary	19.0	10.2	7.2	2.5	0.6	0.0	0.0	0.0	0.0	0.0	2.7	12.0	24.2

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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	11.3	33.6	138.8	349.3	671.3	940.3	1103.4	1047.6	769.4	436.0	143.5	28.8
45	3.1	14.3	78.5	229.8	517.6	790.2	948.4	892.5	620.0	301.9	76.5	10.3
50	0.5	5.5	40.1	133.8	370.6	640.4	793.5	737.6	472.8	188.2	35.7	3.2
55	0.0	1.4	17.9	67.1	239.5	490.8	638.5	582.7	332.5	102.6	14.1	0.9
60	0.0	0.3	6.0	27.0	134.1	344.3	483.5	428.2	208.0	47.5	3.4	0.1
Growing Degree Units for Corn (Monthly)												
50/86	9.7	23.8	92.5	209.5	405.1	630.7	757.4	710.2	488.1	257.5	84.6	17.7

Growing Degree Units (Accumulated Monthly)												
40	11	45	184	533	1204	2145	3248	4296	5065	5501	5644	5673
45	3	17	96	326	843	1634	2582	3474	4094	4396	4473	4483
50	0	6	46	180	550	1191	1984	2722	3195	3383	3419	3422
55	0	1	19	86	326	817	1455	2038	2370	2473	2487	2488
60	0	0	6	33	167	512	995	1423	1631	1679	1682	1682
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	10	34	126	336	741	1371	2129	2839	3327	3585	3669	3687

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