

Summary of Monthly Normals
1991-2020
Generated on 05/20/2024

Current Location: Elev: 818 ft. Lat: 39.7736° N Lon: 94.9233° W
Station: **ST JOSEPH ROSECRANS AP, MO US USW00013993**

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	37.4	17.1	27.3	5.4	4.8	4.8	0.0	0.0	0.0	0.0	0.0	0.0	860.0	922.1	1015.0	1170.1	0.0	0.0	6.4	10.3	28.9	3.0
02	42.8	21.2	32.0	6.7	5.3	5.8	2.0	1.0	0.2	0.0	0.0	0.0	645.9	700.9	784.1	924.0	0.0	0.0	8.8	6.9	24.0	1.7
03	55.1	31.5	43.3	5.4	4.7	4.7	29.4	20.9	11.4	3.4	0.5	0.1	392.2	445.7	529.2	676.2	0.0	0.0	20.1	1.2	16.9	0.2
04	65.9	41.8	53.8	3.7	3.5	3.4	100.7	76.2	47.7	17.8	4.1	2.1	135.2	170.7	232.2	352.3	0.0	0.3	27.4	0.1	5.6	0.0
05	75.8	53.7	64.8	3.8	3.0	3.2	318.5	267.0	197.7	105.0	43.0	26.5	16.3	26.8	50.5	112.8	0.0	2.1	30.9	0.0	0.2	0.0
06	84.7	63.8	74.2	2.8	2.4	2.4	577.5	517.6	428.4	284.4	156.2	113.1	0.1	0.2	1.0	7.0	0.1	8.3	30.0	0.0	0.0	0.0
07	88.1	67.3	77.7	2.9	2.6	2.4	703.6	641.6	548.6	394.4	246.7	191.4	0.0	0.0	0.0	0.8	0.9	13.6	31.0	0.0	0.0	0.0
08	86.2	64.5	75.3	3.0	3.4	2.9	630.8	568.8	476.1	323.5	184.9	137.7	0.0	0.0	0.3	2.8	0.7	10.2	31.0	0.0	0.0	0.0
09	79.7	54.4	67.0	3.1	4.1	3.4	368.8	314.1	238.1	132.7	59.3	39.1	7.4	12.7	26.7	71.2	0.0	4.4	30.0	0.0	0.1	0.0
10	67.8	42.8	55.3	3.5	2.6	2.7	126.8	97.6	62.7	25.4	9.2	5.7	117.6	150.3	208.5	326.1	0.0	0.4	29.0	0.0	5.4	0.0
11	53.4	30.6	42.0	5.4	4.1	4.4	15.4	10.0	4.5	1.0	0.1	0.0	405.4	460.0	544.5	691.0	0.0	0.0	19.5	1.3	17.5	0.0
12	41.1	21.1	31.1	4.8	4.8	4.6	0.7	0.4	0.1	0.0	0.0	0.0	741.4	803.2	895.8	1050.8	0.0	0.0	8.4	7.9	27.4	1.6
Summary	64.8	42.5	53.6	4.2	3.8	3.7	2874	2515	2015	1288	704	516	3322	3693	4288	5385	1.7	39.3	272.5	27.7	126.0	6.5

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	0.71	4.7	2.2	0.3	0.0	0.39	0.64	0.93	
02	0.95	5.6	2.6	0.5	0.0	0.40	0.77	1.32	
03	2.06	7.7	4.6	1.0	0.4	1.01	1.85	3.33	
04	3.71	10.6	6.5	2.6	0.8	2.68	3.81	4.55	
05	4.87	12.3	7.3	2.9	1.3	3.06	4.32	6.79	
06	4.75	11.8	7.7	3.6	1.3	3.22	4.46	5.94	
07	4.73	9.3	5.0	2.6	1.4	1.73	4.32	5.77	
08	3.84	9.4	5.1	2.5	1.2	2.08	3.45	5.53	
09	3.18	8.4	4.6	1.8	0.8	1.81	2.69	3.75	
10	2.84	8.3	5.1	1.9	1.0	1.23	2.57	4.02	
11	1.87	5.6	2.8	0.9	0.5	1.01	1.46	2.51	
12	1.25	5.6	2.5	0.7	0.3	0.40	0.97	2.11	
Summary	34.76	99.3	56.0	21.3	9.0	19.02	31.31	46.55	

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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	16.9	45.1	191.3	427.3	767.3	1027.3	1168.5	1095.6	811.4	480.3	157.1	32.4
45	4.4	20.2	110.9	297.0	612.7	877.3	1013.6	940.7	661.7	341.6	83.7	11.4
50	0.7	7.3	59.6	184.6	461.0	727.3	858.6	785.7	512.9	220.7	38.8	3.4
55	0.0	2.0	29.4	100.7	318.5	577.5	703.6	630.8	368.8	126.8	15.4	0.7
60	0.0	0.2	11.4	47.7	197.7	428.4	548.6	476.1	238.1	62.7	4.5	0.1
Growing Degree Units for Corn (Monthly)												
50/86	18.4	39.3	136.5	264.1	481.5	696.9	802.5	744.4	527.1	304.6	107.7	26.3

Growing Degree Units (Accumulated Monthly)												
40	17	62	253	681	1448	2475	3644	4739	5551	6031	6188	6220
45	4	25	136	432	1045	1922	2936	3877	4538	4880	4964	4975
50	1	8	68	252	713	1440	2299	3085	3598	3818	3857	3861
55	0	2	31	132	451	1028	1732	2362	2731	2858	2874	2874
60	0	0	12	59	257	685	1234	1710	1948	2011	2015	2015
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	18	58	194	458	940	1637	2439	3184	3711	4015	4123	4149

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