

Summary of Monthly Normals
1991-2020

Generated on 04/28/2024

Current Location: Elev: 1073 ft. Lat: 48.8947° N Lon: 95.3303° W

Station: **WARROAD, MN US USC00218679**

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	13.2	-8.0	2.6	5.7	7.6	6.6	0.0	0.0	0.0	0.0	0.0	0.0	1624.0	1686.0	1779.1	1934.1	0.0	0.0	0.0	28.4	31.0	20.2
02	18.9	-4.8	7.0	6.3	7.5	6.8	0.0	0.0	0.0	0.0	0.0	0.0	1342.3	1398.3	1482.4	1622.4	0.0	0.0	0.0	22.9	27.7	16.8
03	32.5	9.6	21.0	5.3	6.4	5.7	0.5	0.3	0.0	0.0	0.0	0.0	1053.0	1114.8	1207.5	1362.5	0.0	0.0	2.4	14.4	29.1	8.4
04	47.6	24.7	36.1	5.2	4.2	4.5	3.9	2.3	0.8	0.0	0.0	0.0	569.5	627.8	716.3	865.6	0.0	0.0	13.2	2.6	21.9	0.4
05	62.2	39.5	50.9	3.7	3.5	3.4	64.6	46.0	25.1	6.8	1.1	0.5	193.4	236.8	308.9	445.5	0.0	0.0	27.1	0.1	5.0	0.0
06	72.0	50.7	61.4	2.9	2.4	2.5	214.2	168.0	108.6	41.0	11.2	6.4	23.9	37.7	68.2	150.6	0.0	0.6	30.0	0.0	0.0	0.0
07	76.9	54.6	65.8	3.0	2.0	2.4	334.9	276.2	195.2	85.0	24.8	13.4	1.8	5.1	17.1	61.9	0.0	0.8	31.0	0.0	0.0	0.0
08	75.4	52.1	63.8	2.8	1.8	2.2	278.8	223.8	149.0	59.1	16.7	8.6	7.8	14.7	32.9	98.0	0.0	0.7	31.0	0.0	0.0	0.0
09	66.3	43.1	54.7	3.1	3.7	3.2	97.9	71.3	40.6	11.8	2.4	1.1	107.1	140.4	199.7	320.9	0.0	0.0	28.9	0.0	2.4	0.0
10	50.8	30.9	40.9	4.3	3.4	3.7	9.4	5.6	2.3	0.2	0.0	0.0	448.1	506.3	596.0	748.8	0.0	0.0	16.7	1.1	15.4	0.0
11	33.5	16.7	25.1	6.6	5.9	6.2	0.0	0.0	0.0	0.0	0.0	0.0	897.0	957.0	1047.0	1197.0	0.0	0.0	3.1	13.7	27.8	3.0
12	19.2	1.4	10.3	6.4	7.4	6.8	0.0	0.0	0.0	0.0	0.0	0.0	1385.5	1447.5	1540.5	1695.5	0.0	0.0	0.0	25.7	30.8	13.6
Summary	47.4	25.9	36.6	4.6	4.6	4.5	1004	793	522	204	56	30	7653	8172	8996	10503	0.0	2.1	183.4	108.9	191.1	62.4

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	0.77	6.7	2.2	0.1	0.0	0.54	0.76	0.96	
02	0.56	4.0	1.8	0.4	0.2	0.21	0.55	0.81	
03	0.81	5.1	2.4	0.4	0.0	0.48	0.62	1.00	
04	1.59	6.3	3.7	1.0	0.2	0.92	1.58	2.08	
05	3.49	12.3	7.2	2.0	0.7	2.21	3.02	4.25	
06	4.77	12.8	8.2	2.8	0.9	3.19	4.11	5.42	
07	3.69	11.6	7.1	2.7	0.9	2.84	3.89	4.44	
08	4.30	10.1	6.2	2.3	0.9	3.08	4.12	5.36	
09	3.00	11.0	6.1	1.4	0.6	1.61	2.53	3.93	
10	2.52	9.4	4.9	1.6	0.4	1.27	2.27	3.18	
11	1.26	6.5	3.3	0.5	0.0	0.36	0.73	1.70	
12	0.93	7.5	3.0	0.2	0.0	0.64	0.84	1.10	
Summary	27.69	103.3	56.1	15.4	4.8	17.35	25.02	34.23	

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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	0.0	0.1	7.6	73.7	353.9	640.3	798.0	735.9	444.2	129.9	8.9	0.0
45	0.0	0.0	3.1	33.9	228.8	490.9	643.1	581.1	306.3	64.1	1.8	0.0
50	0.0	0.0	1.3	13.2	129.7	345.8	488.1	426.9	187.6	28.3	0.2	0.0
55	0.0	0.0	0.5	3.9	64.6	214.2	334.9	278.8	97.9	9.4	0.0	0.0
60	0.0	0.0	0.0	0.8	25.1	108.6	195.2	149.0	40.6	2.3	0.0	0.0
Growing Degree Units for Corn (Monthly)												
50/86	0.0	0.1	7.6	58.6	209.5	376.5	496.7	449.5	258.8	78.8	6.9	0.0

Growing Degree Units (Accumulated Monthly)												
40	0	0	8	81	435	1076	1874	2610	3054	3184	3192	3192
45	0	0	3	37	266	757	1400	1981	2287	2351	2353	2353
50	0	0	1	14	144	490	978	1405	1593	1621	1621	1621
55	0	0	0	4	69	283	618	897	995	1004	1004	1004
60	0	0	0	1	26	134	330	479	519	522	522	522
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	0	0	8	66	276	652	1149	1598	1857	1936	1943	1943

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

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