

Summary of Monthly Normals
1991-2020

Generated on 05/01/2024

Current Location: Elev: 2046 ft. Lat: 41.0319° N Lon: 98.9214° W

Station: RAVENNA, NE US USC00257040

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	37.0	11.9	24.4	5.5	4.3	4.6	0.0	0.0	0.0	0.0	0.0	0.0	947.0	1008.9	1101.9	1257.0	0.0	0.0	6.4	11.3	30.6	5.2
02	40.6	14.6	27.6	7.3	5.1	6.0	0.2	0.0	0.0	0.0	0.0	0.0	767.2	823.0	907.0	1047.1	0.0	0.0	8.5	9.0	26.6	3.4
03	52.7	23.9	38.3	5.7	4.3	4.5	8.1	4.6	1.7	0.3	0.0	0.0	525.9	584.4	674.5	828.1	0.0	0.0	18.2	2.6	23.8	0.7
04	62.8	34.0	48.4	4.0	3.5	3.5	44.2	30.6	16.6	4.9	1.0	0.5	242.2	288.5	364.6	502.8	0.0	0.2	25.3	0.4	11.2	0.0
05	72.6	46.6	59.6	3.5	2.8	3.0	201.1	161.3	109.7	48.3	14.6	7.8	58.5	80.7	122.1	215.7	0.0	1.3	30.4	0.0	2.1	0.0
06	82.8	57.7	70.3	3.1	2.4	2.5	458.8	400.3	315.3	187.8	89.5	61.2	1.4	3.0	8.0	30.4	0.1	6.7	30.0	0.0	0.0	0.0
07	87.0	62.9	74.9	3.3	2.7	2.6	618.4	556.3	463.4	312.2	173.2	125.1	0.0	0.0	0.1	3.8	0.7	11.2	31.0	0.0	0.0	0.0
08	84.9	60.1	72.5	2.6	2.7	2.4	542.6	481.1	389.5	243.2	118.8	80.5	0.2	0.7	2.2	10.7	0.1	8.2	31.0	0.0	0.0	0.0
09	78.3	50.2	64.3	3.3	3.5	3.1	297.5	248.1	181.5	93.5	36.6	22.1	20.2	30.7	54.1	116.1	0.0	2.9	29.8	0.0	0.7	0.0
10	65.7	36.1	50.9	4.1	2.7	3.1	67.7	48.3	27.4	8.2	1.7	0.8	194.8	237.4	309.5	445.3	0.0	0.4	27.6	0.5	10.5	0.0
11	51.3	23.4	37.4	6.1	3.9	4.5	5.1	3.0	0.9	0.1	0.0	0.0	534.6	592.4	680.3	829.5	0.0	0.0	17.0	2.9	24.5	0.6
12	39.2	14.3	26.8	5.1	3.7	4.1	0.0	0.0	0.0	0.0	0.0	0.0	875.5	937.5	1030.5	1185.6	0.0	0.0	7.6	9.9	30.5	2.9
Summary	62.9	36.3	49.6	4.5	3.5	3.7	2244	1934	1506	899	435	298	4168	4587	5255	6472	0.9	30.9	262.8	36.6	160.5	12.8

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	0.52	3.1	1.8	0.2	0.0	0.22	0.37	0.78	
02	0.64	3.8	2.2	0.1	0.0	0.34	0.62	0.80	
03	1.39	4.9	3.3	0.8	0.2	0.50	0.97	2.33	
04	2.70	7.3	5.1	1.8	0.8	1.49	2.20	3.68	
05	3.94	10.1	7.9	2.6	1.0	2.21	3.56	5.05	
06	4.41	9.1	7.1	3.4	1.3	2.21	3.79	6.21	
07	3.77	7.3	5.6	2.1	0.9	1.41	3.16	5.82	
08	3.34	6.9	5.4	2.0	1.1	1.31	3.07	4.77	
09	2.06	5.4	3.9	1.0	0.6	0.81	1.54	3.20	
10	2.10	5.3	4.0	1.4	0.6	0.75	1.89	2.73	
11	0.96	3.7	1.9	0.7	0.3	0.25	0.61	1.39	
12	0.67	3.1	1.7	0.4	0.1	0.08	0.36	1.06	
Summary	26.50	70.0	49.9	16.5	6.9	11.58	22.14	37.82	

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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	4.40	2.2	1.9	0.8	0.3	0.0	9.5	4.7	1.2	0.1	1.70	4.00	6.00
02	7.00	2.5	2.2	0.9	0.4	0.0	8.1	5.9	4.2	0.7	3.00	7.50	11.00
03	3.10	1.2	1.0	0.4	0.2	0.0	1.9	1.2	0.9	0.4	0.00	2.00	4.10
04	1.70	0.9	0.7	0.2	0.1	0.0	0.7	0.2	0.1	0.0	0.00	0.00	2.40
05	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
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	0.80	0.4	0.3	0.1	0.1	0.0	0.2	0.1	0.0	0.0	0.00	0.00	0.00
11	3.30	1.4	1.1	0.4	0.2	0.0	1.6	0.9	0.5	0.1	0.00	1.00	4.80
12	4.00	2.2	1.8	0.7	0.2	0.0	7.1	4.7	1.3	0.1	1.00	3.00	5.70
Summary	24.4	10.9	9.1	3.5	1.5	0.0	29.2	17.7	8.2	1.4	5.7	17.5	34.0

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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	8.3	22.7	117.8	289.7	608.3	907.2	1083.2	1007.3	727.4	363.8	91.9	10.0
45	1.6	6.9	59.1	178.7	458.0	757.2	928.2	852.3	578.8	240.7	44.1	2.1
50	0.2	1.9	24.3	95.4	318.9	607.5	773.3	697.4	433.9	140.3	17.4	0.2
55	0.0	0.2	8.1	44.2	201.1	458.8	618.4	542.6	297.5	67.7	5.1	0.0
60	0.0	0.0	1.7	16.6	109.7	315.3	463.4	389.5	181.5	27.4	0.9	0.0
Growing Degree Units for Corn (Monthly)												
50/86	19.7	34.8	117.6	213.4	379.9	588.7	724.7	669.9	471.2	261.8	95.3	21.6

Growing Degree Units (Accumulated Monthly)												
40	8	31	149	438	1047	1954	3037	4044	4772	5136	5228	5238
45	2	8	68	246	704	1462	2390	3242	3821	4062	4106	4108
50	0	2	26	122	441	1048	1822	2519	2953	3093	3111	3111
55	0	0	8	52	254	712	1331	1873	2171	2239	2244	2244
60	0	0	2	18	128	443	907	1296	1478	1505	1506	1506
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	20	54	172	386	765	1354	2079	2749	3220	3482	3577	3599

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