

Summary of Monthly Normals
1991-2020

Generated on 04/28/2024

Current Location: Elev: 1250 ft. Lat: 45.1786° N Lon: 89.6617° W

Station: MERRILL, WI US USC00475364

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	22.0	3.4	12.7	4.7	6.7	5.5	0.0	0.0	0.0	0.0	0.0	0.0	1311.0	1373.1	1466.1	1621.0	0.0	0.0	0.0	25.3	30.9	13.4
02	26.6	5.1	15.8	5.7	6.9	6.2	0.0	0.0	0.0	0.0	0.0	0.0	1096.0	1152.1	1236.1	1376.0	0.0	0.0	0.4	19.5	27.6	11.0
03	38.7	17.0	27.9	5.4	5.8	5.5	2.6	1.8	0.9	0.0	0.0	0.0	844.3	905.5	997.6	1151.7	0.0	0.0	5.3	8.5	27.8	3.8
04	52.9	29.6	41.3	4.8	3.3	3.9	10.8	6.4	2.7	0.5	0.0	0.0	423.3	478.9	565.2	713.0	0.0	0.0	17.8	1.2	19.4	0.0
05	66.6	42.6	54.6	4.1	3.1	3.4	107.4	80.8	50.4	18.8	4.6	2.2	119.9	155.3	217.9	341.3	0.0	0.2	29.0	0.0	3.9	0.0
06	76.1	53.2	64.6	2.8	2.2	2.3	300.0	247.6	175.8	81.0	25.9	14.7	10.6	18.2	36.4	91.7	0.0	1.0	30.0	0.0	0.1	0.0
07	80.2	57.1	68.6	3.5	2.8	3.0	423.8	363.0	274.4	144.9	54.7	32.3	0.7	2.0	6.2	31.8	0.0	2.4	31.0	0.0	0.0	0.0
08	77.9	54.7	66.3	2.7	2.7	2.5	352.4	293.3	209.3	96.2	30.4	16.6	2.2	5.0	14.1	56.1	0.0	0.9	31.0	0.0	0.0	0.0
09	69.7	46.3	58.0	3.5	3.1	3.0	155.4	120.1	76.9	29.5	7.9	3.7	65.6	90.2	137.0	239.6	0.0	0.1	29.4	0.0	1.6	0.0
10	55.4	34.5	44.9	3.6	2.6	2.9	21.5	14.1	6.9	2.1	0.7	0.4	333.1	387.7	473.5	623.6	0.0	0.0	21.2	0.0	14.6	0.0
11	39.7	23.1	31.4	5.9	4.3	5.0	0.8	0.4	0.0	0.0	0.0	0.0	708.8	768.4	858.0	1008.0	0.0	0.0	6.0	7.9	25.5	0.7
12	27.4	11.4	19.4	4.6	5.9	5.1	0.0	0.0	0.0	0.0	0.0	0.0	1103.5	1165.5	1258.5	1413.5	0.0	0.0	0.5	20.7	30.2	6.6
Summary	52.8	31.5	42.1	4.3	4.1	4.0	1375	1128	797	373	124	70	6019	6502	7267	8667	0.0	4.6	201.6	83.1	181.6	35.5

Empty or blank cells indicate data is missing or insufficient occurrences to compute value

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

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	1.19	10.6	3.6	0.3	0.1	0.71	1.00	1.48	
02	1.06	7.9	3.1	0.5	0.0	0.63	1.02	1.31	
03	1.75	9.0	4.6	1.1	0.2	0.78	1.80	2.31	
04	2.93	11.7	7.1	1.9	0.5	1.99	2.79	3.93	
05	3.72	13.6	7.8	2.5	0.9	2.52	3.52	4.77	
06	4.63	13.8	8.4	3.2	1.1	3.01	4.25	5.80	
07	3.82	12.0	7.6	2.8	0.6	2.14	3.13	4.95	
08	4.05	11.7	7.2	2.8	1.0	2.53	3.81	4.63	
09	3.86	12.6	6.8	2.5	0.9	2.40	3.68	5.30	
10	3.16	12.5	6.6	2.0	0.7	2.20	2.69	4.30	
11	2.06	9.8	4.5	1.4	0.3	1.33	2.03	2.51	
12	1.53	11.0	4.3	0.6	0.1	1.05	1.42	1.86	
Summary	33.76	136.2	71.6	21.6	6.4	21.29	31.14	43.15	

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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	12.40	9.7	4.0	1.1	0.4	0.0	29.1	25.0	22.3	12.7	5.10	12.40	15.80
02	11.60	7.0	2.8	1.2	0.5	0.0	28.1	26.9	24.5	13.3	6.70	9.30	12.40
03	7.20	5.1	2.3	0.8	0.3	0.0	21.7	18.5	15.1	7.9	3.60	5.70	11.10
04	5.50	2.6	1.6	0.8	0.3	0.0	4.1	2.4	1.5	0.1	0.50	4.60	8.00
05	0.10	0.1	0.0	0.0	0.0	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	0.0	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	0.90	0.8	0.3	0.1	0.0	0.0	0.5	0.2	0.0	0.0	0.00	0.00	0.90
11	5.00	4.4	1.9	0.5	0.3	0.0	6.6	3.4	1.6	0.3	0.90	4.10	8.50
12	11.60	8.9	4.0	1.3	0.4	0.0	23.6	18.8	14.0	3.4	5.50	9.50	15.50
Summary	54.3	38.6	16.9	5.8	2.2	0.0	113.7	95.2	79.0	37.7	22.3	45.6	72.2

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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	0.0	0.9	26.7	136.4	457.1	739.3	888.0	815.1	540.6	202.2	31.0	1.6
45	0.0	0.1	12.1	68.9	316.2	589.4	733.0	660.2	395.8	112.3	11.4	0.3
50	0.0	0.0	5.7	29.9	197.6	441.0	578.0	505.2	264.1	53.7	3.2	0.0
55	0.0	0.0	2.6	10.8	107.4	300.0	423.8	352.4	155.4	21.5	0.8	0.0
60	0.0	0.0	0.9	2.7	50.4	175.8	274.4	209.3	76.9	6.9	0.0	0.0
Growing Degree Units for Corn (Monthly)												
50/86	0.0	1.0	21.2	101.4	279.9	460.8	574.9	517.6	328.2	122.0	20.0	1.0

Growing Degree Units (Accumulated Monthly)												
40	0	1	28	164	621	1360	2248	3064	3604	3806	3837	3839
45	0	0	12	81	397	987	1720	2380	2776	2888	2899	2900
50	0	0	6	36	233	674	1252	1757	2022	2075	2078	2078
55	0	0	3	13	121	421	845	1197	1352	1374	1375	1375
60	0	0	1	4	54	230	504	714	790	797	797	797
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	0	1	22	124	404	864	1439	1957	2285	2407	2427	2428

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