

Summary of Monthly Normals
1991-2020

Generated on 04/27/2024

Current Location: Elev: 1038 ft. Lat: 47.8794° N Lon: 96.2844° W

Station: RED LAKE FALLS, MN US USC00216787

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	15.0	-2.9	6.0	5.8	7.6	6.6	0.0	0.0	0.0	0.0	0.0	0.0	1517.1	1579.2	1672.2	1827.2	0.0	0.0	0.0	27.5	30.9	17.8
02	19.8	0.2	10.0	7.0	8.0	7.5	0.0	0.0	0.0	0.0	0.0	0.0	1259.8	1315.9	1399.9	1539.9	0.0	0.0	0.0	22.9	27.8	15.2
03	33.7	15.0	24.4	5.7	6.3	5.9	0.4	0.1	0.0	0.0	0.0	0.0	950.5	1012.3	1105.2	1260.2	0.0	0.0	3.9	12.9	28.1	5.5
04	51.2	30.1	40.6	5.7	3.5	4.5	9.8	5.6	2.4	0.5	0.0	0.0	440.4	496.1	582.9	731.0	0.0	0.0	16.8	2.1	17.8	0.0
05	65.6	43.1	54.3	3.8	2.9	3.2	109.4	82.5	51.2	18.5	4.8	2.5	129.7	164.7	226.4	348.7	0.0	0.2	28.5	0.0	3.7	0.0
06	74.6	54.6	64.6	3.0	2.7	2.8	297.4	244.6	171.5	77.3	24.5	13.5	9.5	16.7	33.6	89.4	0.0	0.7	30.0	0.0	0.0	0.0
07	78.9	58.4	68.7	3.4	2.7	3.0	423.7	362.9	274.6	144.6	52.2	30.5	0.6	1.8	6.6	31.5	0.0	1.4	31.0	0.0	0.0	0.0
08	78.2	55.8	67.0	2.8	2.5	2.5	374.5	315.8	231.8	113.5	39.4	22.6	2.6	5.9	14.9	51.6	0.0	1.8	31.0	0.0	0.0	0.0
09	68.9	46.9	57.9	3.2	2.8	2.8	154.7	120.4	76.5	29.4	8.1	4.2	67.9	93.5	139.6	242.5	0.0	0.5	29.5	0.0	1.6	0.0
10	53.2	33.8	43.5	4.6	3.2	3.6	20.9	14.4	7.9	2.4	0.5	0.2	377.5	432.9	519.4	668.9	0.0	0.0	19.2	1.0	14.1	0.0
11	35.0	19.3	27.2	6.8	5.7	6.1	0.1	0.0	0.0	0.0	0.0	0.0	835.6	895.5	985.5	1135.5	0.0	0.0	4.5	12.6	26.9	2.2
12	21.3	5.6	13.5	6.2	6.8	6.4	0.0	0.0	0.0	0.0	0.0	0.0	1287.9	1350.0	1443.0	1598.0	0.0	0.0	0.1	24.3	30.9	11.3
Summary	49.6	30.0	39.8	4.8	4.6	4.6	1391	1146	816	386	130	74	6879	7364	8129	9524	0.0	4.6	194.5	103.3	181.8	52.0

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	0.60	7.6	1.9	0.0	0.0	0.29	0.58	0.87
02	0.57	6.2	1.7	0.1	0.0	0.31	0.43	0.79
03	0.89	6.7	2.4	0.4	0.0	0.44	0.69	1.23
04	1.32	7.5	3.4	0.6	0.2	0.91	1.12	1.82
05	2.85	10.7	5.9	1.9	0.5	1.70	2.41	3.60
06	4.49	12.5	7.9	3.0	1.3	3.70	4.33	5.68
07	3.58	11.2	6.7	2.3	0.8	2.25	3.36	4.93
08	3.50	9.2	5.6	1.9	1.0	1.89	3.61	4.59
09	2.81	9.7	5.4	1.6	0.6	1.75	2.54	3.11
10	2.09	8.7	4.4	1.3	0.4	1.32	1.88	2.98
11	0.85	6.6	2.8	0.3	0.0	0.35	0.64	1.30
12	0.78	8.4	2.6	0.1	0.0	0.45	0.74	0.99
Summary	24.33	105.0	50.7	13.5	4.8	15.36	22.33	31.89

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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	10.10	7.8	3.3	0.9	0.4	0.0	30.6	28.0	25.6	17.1	5.00	8.00	14.30
02	8.60	6.3	2.8	1.1	0.4	0.0	27.2	26.5	24.1	19.5	4.50	8.20	11.40
03	7.80	4.8	2.3	0.8	0.4	0.1	20.9	19.0	17.8	14.1	3.10	6.60	10.60
04	3.80	2.2	1.1	0.4	0.2	0.0	4.7	3.6	2.5	0.8	0.40	2.30	6.50
05	0.10	0.2	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	1.50	1.1	0.5	0.1	0.0	0.0	0.8	0.3	0.1	0.0	0.00	0.50	2.30
11	5.60	4.5	2.6	0.7	0.1	0.0	11.5	6.3	1.9	0.2	2.30	5.30	7.60
12	12.40	9.1	4.2	1.3	0.3	0.0	26.7	20.3	14.6	6.4	6.60	10.70	17.90
Summary	49.9	36.0	16.9	5.3	1.8	0.1	122.5	104.0	86.6	58.1	21.9	41.6	70.6

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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	0.3	16.9	135.4	452.9	737.8	888.0	836.8	538.3	185.2	19.1	0.1
45	0.0	0.1	6.2	68.6	316.9	587.9	733.0	681.8	393.7	102.3	5.8	0.0
50	0.0	0.0	2.1	29.0	199.5	439.4	578.1	527.0	262.2	49.2	1.2	0.0
55	0.0	0.0	0.4	9.8	109.4	297.4	423.7	374.5	154.7	20.9	0.1	0.0
60	0.0	0.0	0.0	2.4	51.2	171.5	274.6	231.8	76.5	7.9	0.0	0.0
Growing Degree Units for Corn (Monthly)												
50/86	0.0	0.2	11.7	90.3	267.0	452.2	576.7	531.9	315.4	106.6	12.0	0.0

Growing Degree Units (Accumulated Monthly)												
40	0	0	17	153	606	1343	2231	3068	3606	3792	3811	3811
45	0	0	6	75	392	980	1713	2394	2788	2890	2896	2896
50	0	0	2	31	231	670	1248	1775	2037	2086	2088	2088
55	0	0	0	10	120	417	841	1215	1370	1391	1391	1391
60	0	0	0	2	54	225	500	732	808	816	816	816
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	0	0	12	102	369	821	1398	1930	2245	2352	2364	2364

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

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