

Summary of Monthly Normals
1991-2020

Current Location: Elev: 2150 ft. Lat: 46.8925° N Lon: 101.4897° W
Station: **NEW SALEM 5NW, ND US USC00326365**

Generated on 06/04/2024

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	21.2	1.8	11.5	6.4	6.2	6.2	0.0	0.0	0.0	0.0	0.0	0.0	1348.2	1410.3	1503.3	1658.3	0.0	0.0	0.5	22.1	31.0	13.6
02	26.2	5.8	16.0	8.2	8.5	8.3	0.0	0.0	0.0	0.0	0.0	0.0	1091.8	1147.8	1231.8	1371.9	0.0	0.0	1.3	17.6	27.7	10.4
03	38.6	17.6	28.1	7.5	5.5	6.3	0.7	0.4	0.0	0.0	0.0	0.0	834.7	896.3	989.0	1143.9	0.0	0.0	8.0	10.8	29.0	3.3
04	53.6	29.0	41.3	4.9	3.4	4.0	12.5	7.9	3.7	0.6	0.1	0.0	423.5	479.0	564.7	711.7	0.0	0.1	18.8	2.3	19.3	0.3
05	66.1	40.6	53.4	3.7	2.4	2.8	91.2	65.8	36.9	10.2	1.8	0.7	142.5	179.0	243.2	371.4	0.0	0.3	28.4	0.0	6.0	0.0
06	75.4	50.6	63.0	3.5	2.3	2.6	256.2	206.8	140.6	57.3	15.3	7.8	16.3	26.8	50.7	117.4	0.1	1.1	29.9	0.0	0.2	0.0
07	82.6	55.9	69.3	4.6	2.5	3.3	442.4	382.2	294.2	164.0	70.0	45.0	0.9	2.6	7.7	32.4	0.9	6.1	31.0	0.0	0.0	0.0
08	82.2	54.1	68.1	3.6	2.5	2.8	411.4	352.8	268.3	146.7	59.9	37.6	4.0	7.3	15.9	49.2	0.7	6.5	31.0	0.0	0.0	0.0
09	72.4	44.8	58.6	3.2	2.4	2.5	174.6	137.8	91.5	37.7	11.3	6.1	66.8	90.0	133.6	229.8	0.1	1.6	29.2	0.0	1.9	0.0
10	55.9	31.3	43.6	5.0	3.5	3.9	23.2	15.5	7.7	1.5	0.3	0.1	376.6	430.9	516.0	664.9	0.0	0.1	20.8	1.6	17.4	0.1
11	39.1	18.1	28.6	7.6	4.6	5.8	0.6	0.2	0.0	0.0	0.0	0.0	792.5	852.1	942.0	1092.0	0.0	0.0	7.3	10.1	28.5	2.1
12	26.0	7.0	16.5	7.3	6.2	6.7	0.0	0.0	0.0	0.0	0.0	0.0	1193.2	1255.3	1348.3	1503.4	0.0	0.0	1.3	19.8	31.0	8.8
Summary	53.3	29.7	41.5	5.5	4.2	4.6	1413	1169	843	418	159	97	6291	6777	7546	8946	1.8	15.8	207.5	84.3	192.0	38.6

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	0.38	5.9	1.2	0.0	0.0	0.20	0.31	0.56	
02	0.43	6.4	1.3	0.1	0.0	0.24	0.31	0.49	
03	0.71	7.0	2.1	0.2	0.0	0.48	0.66	0.77	
04	1.50	7.7	4.1	0.8	0.1	0.76	1.36	1.83	
05	2.66	10.8	6.1	1.5	0.5	1.31	2.32	3.76	
06	3.45	11.7	6.8	2.1	0.8	2.27	3.06	4.66	
07	2.83	10.0	5.7	1.9	0.7	1.49	2.56	3.77	
08	2.16	8.2	4.4	1.2	0.4	1.15	1.77	2.58	
09	1.73	7.5	3.9	0.9	0.3	1.03	1.40	2.04	
10	1.38	7.6	3.4	0.7	0.2	0.69	0.96	1.56	
11	0.58	5.8	1.5	0.3	0.0	0.10	0.37	0.93	
12	0.52	6.9	1.6	0.1	0.0	0.22	0.45	0.61	
Summary	18.33	95.5	42.1	9.8	3.0	9.94	15.53	23.56	

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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	6.80	7.9	2.1	0.5	0.2	0.0	28.0	22.4	15.2	7.0	3.50	5.10	9.00
02	6.50	8.1	2.3	0.4	0.0	0.0	20.9	17.8	13.3	6.1	4.40	5.40	8.50
03	7.60	6.0	2.6	0.6	0.2	0.0	15.3	10.8	8.2	4.4	3.20	7.30	9.90
04	5.00	2.7	1.5	0.5	0.3	0.1	4.2	2.6	2.0	0.8	0.50	3.30	8.00
05	0.80	0.5	0.2	0.1	0.0	0.0	0.2	0.1	0.0	0.0	0.00	0.00	0.60
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	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
10	3.20	2.1	0.9	0.4	0.2	0.0	1.7	0.7	0.4	0.1	0.00	1.00	4.60
11	5.70	5.3	1.9	0.6	0.3	0.0	9.4	5.8	2.6	0.8	0.60	3.60	8.90
12	8.90	8.4	2.6	0.8	0.2	0.1	20.2	12.8	8.1	2.8	4.00	8.20	10.50
Summary	44.5	41.1	14.1	3.9	1.4	0.2	99.9	73.0	49.8	22.0	16.2	33.9	60.0

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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	0.4	2.8	32.9	149.6	424.4	690.1	906.6	872.5	560.3	198.2	28.9	0.8
45	0.0	0.8	12.1	78.3	290.0	540.8	751.6	717.5	417.5	112.8	10.5	0.1
50	0.0	0.2	3.4	33.9	176.5	393.7	596.6	563.0	285.4	54.9	3.2	0.0
55	0.0	0.0	0.7	12.5	91.2	256.2	442.4	411.4	174.6	23.2	0.6	0.0
60	0.0	0.0	0.0	3.7	36.9	140.6	294.2	268.3	91.5	7.7	0.0	0.0
Growing Degree Units for Corn (Monthly)												
50/86	0.7	3.2	32.1	114.8	264.3	422.7	577.8	553.0	349.9	142.6	29.9	2.3

Growing Degree Units (Accumulated Monthly)												
40	0	3	36	186	610	1300	2207	3079	3640	3838	3867	3867
45	0	1	13	91	381	922	1674	2391	2809	2921	2932	2932
50	0	0	4	38	214	608	1204	1767	2053	2108	2111	2111
55	0	0	1	13	104	361	803	1214	1389	1412	1413	1413
60	0	0	0	4	41	181	475	744	835	843	843	843
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	1	4	36	151	415	838	1416	1969	2318	2461	2491	2493

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

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