

Summary of Monthly Normals
1991-2020

Current Location: Elev: 2470 ft. Lat: 47.8967° N Lon: 102.9208° W
Station: KEENE 3S, ND US USC00324571

Generated on 04/28/2024

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	22.4	3.8	13.1	6.4	6.5	6.4	0.0	0.0	0.0	0.0	0.0	0.0	1298.7	1360.7	1453.7	1608.8	0.0	0.0	0.4	20.8	30.7	13.1
02	27.3	7.6	17.5	8.2	8.6	8.3	0.0	0.0	0.0	0.0	0.0	0.0	1051.2	1107.2	1191.2	1331.3	0.0	0.0	1.5	16.4	27.4	9.1
03	40.3	18.6	29.4	7.7	5.8	6.6	1.2	0.5	0.1	0.0	0.0	0.0	793.3	854.6	947.2	1102.1	0.0	0.0	9.5	8.5	27.3	3.5
04	56.0	29.6	42.8	4.5	3.4	3.8	15.1	9.6	4.3	0.8	0.0	0.0	381.1	435.7	520.4	666.8	0.0	0.0	21.0	1.5	18.0	0.2
05	67.4	40.7	54.0	3.5	2.4	2.7	95.6	68.9	38.8	11.7	2.3	1.0	125.1	160.4	223.4	351.2	0.0	0.3	29.3	0.0	6.1	0.0
06	75.8	50.4	63.1	3.7	2.3	2.8	256.4	206.0	139.0	56.3	16.4	9.0	13.5	23.1	46.1	113.3	0.0	1.6	29.9	0.0	0.3	0.0
07	83.0	55.4	69.2	4.3	2.6	3.3	441.0	380.6	292.2	161.0	68.5	43.6	0.9	2.5	7.1	30.9	0.5	7.3	31.0	0.0	0.0	0.0
08	83.4	54.2	68.8	3.4	2.3	2.6	430.7	371.6	286.4	161.2	69.4	44.9	3.2	6.0	13.7	43.5	0.5	8.1	31.0	0.0	0.0	0.0
09	73.1	45.0	59.1	3.6	2.7	2.9	184.6	146.8	99.3	42.5	12.9	6.9	63.2	85.4	127.9	221.0	0.1	2.1	29.4	0.0	2.1	0.0
10	56.2	32.3	44.3	4.8	3.2	3.7	27.5	18.7	9.4	2.0	0.3	0.1	360.8	413.9	497.7	645.2	0.0	0.1	21.8	1.4	15.5	0.2
11	38.5	19.6	29.0	7.0	5.1	5.9	1.1	0.5	0.1	0.0	0.0	0.0	779.6	838.9	928.6	1078.5	0.0	0.0	7.0	9.7	26.4	2.3
12	25.9	8.2	17.1	7.0	6.9	6.8	0.0	0.0	0.0	0.0	0.0	0.0	1176.2	1238.2	1331.2	1486.3	0.0	0.0	1.0	19.0	30.7	8.9
Summary	54.1	30.5	42.3	5.3	4.3	4.6	1453	1203	870	436	170	106	6047	6527	7288	8679	1.1	19.5	212.8	77.3	184.5	37.3

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	4.2	2.1	0.0	0.0	0.28	0.41	0.61	
02	0.45	3.7	1.5	0.1	0.0	0.18	0.30	0.51	
03	0.71	3.9	2.3	0.2	0.0	0.37	0.60	1.00	
04	1.12	5.9	3.4	0.5	0.1	0.46	0.96	1.73	
05	2.64	9.0	6.3	1.4	0.3	1.29	2.15	2.94	
06	3.32	11.0	7.3	2.2	0.6	2.33	3.16	4.21	
07	2.95	8.8	5.7	1.8	0.6	1.92	2.54	3.44	
08	1.67	6.3	4.1	1.0	0.2	0.97	1.33	2.37	
09	1.85	6.3	4.0	1.1	0.4	0.72	1.58	2.31	
10	1.35	5.5	3.5	0.7	0.2	0.67	1.06	1.61	
11	0.72	4.4	2.3	0.2	0.1	0.27	0.46	1.05	
12	0.60	5.0	2.3	0.1	0.0	0.31	0.56	0.75	
Summary	17.90	74.0	44.8	9.3	2.5	9.77	15.11	22.53	

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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

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	7.60	3.4	2.8	1.0	0.3	0.0					3.30	6.30	11.70
02	6.10	2.9	2.3	0.8	0.3	0.0					2.80	4.20	6.60
03	6.10	1.9	1.7	0.7	0.2	0.0					1.50	3.40	9.00
04	2.70	0.7	0.7	0.5	0.1	0.0					0.00	0.00	2.70
05	0.70	0.1	0.1	0.1	0.1	0.0					0.00	0.00	0.00
06	0.00	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					0.00	0.00	0.00
08	0.00	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					0.00	0.00	0.00
10	2.00	0.9	0.8	0.3	0.1	0.0					0.00	1.00	4.50
11	3.10	1.9	1.7	0.6	0.1	0.0					0.70	2.00	4.70
12	6.50	3.8	3.3	1.1	0.5	0.0					4.50	6.90	7.60
Summary	34.8	15.6	13.4	5.1	1.7	0.0	0.0	0.0	0.0	0.0	12.8	23.8	46.8

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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	0.7	3.7	40.4	173.4	443.6	692.9	905.0	892.5	573.4	215.7	35.1	1.5
45	0.1	1.0	16.1	93.6	304.7	543.3	750.1	737.6	430.0	125.4	13.9	0.1
50	0.0	0.2	5.2	42.7	186.7	396.1	595.1	583.3	298.2	63.7	4.6	0.0
55	0.0	0.0	1.2	15.1	95.6	256.4	441.0	430.7	184.6	27.5	1.1	0.0
60	0.0	0.0	0.1	4.3	38.8	139.0	292.2	286.4	99.3	9.4	0.1	0.0
Growing Degree Units for Corn (Monthly)												
50/86	0.4	3.1	36.0	134.0	282.6	426.5	578.8	570.4	363.2	147.6	25.3	1.2

Growing Degree Units (Accumulated Monthly)												
40	1	4	45	218	662	1355	2260	3152	3726	3941	3976	3978
45	0	1	17	111	416	959	1709	2446	2876	3002	3016	3016
50	0	0	5	48	235	631	1226	1809	2108	2171	2176	2176
55	0	0	1	16	112	368	809	1240	1425	1452	1453	1453
60	0	0	0	4	43	182	474	761	860	869	870	870
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	0	4	40	174	456	883	1461	2032	2395	2543	2568	2569

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