U.S. Department of Commerce
National Oceanic & Atmospheric Administration
National Environmental Satellite, Data, and Information Service

Summary of Monthly Normals
1991-2020

Generated on 11/06/2026

National Centers for Environmental Information
151 Patton Avenue
Asheville, North Carolina 28801

Current Location: Elev: 1302 ft. Lat: 45.4558° N Lon: 98.4131° W

Station: **ABERDEEN, SD US USW00014929**

Temperature (°F)

	Mean						Cooling Degree Days Base (above)						Heating Degree Days Base (above)				Mean Number of Days					
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	23.7	1.9	12.8	5.5	6.6	5.8	0.0	0.0	0.0	0.0	0.0	0.0	1307.9	1369.9	1462.9	1618.0	0.0	0.0	0.3	22.7	31.0	14.4
02	28.6	6.3	17.5	8.0	8.8	8.2	0.0	0.0	0.0	0.0	0.0	0.0	1051.1	1107.1	1191.2	1331.3	0.0	0.0	1.5	17.7	27.5	10.3
03	41.7	19.4	30.5	7.4	5.4	6.2	1.8	1.2	0.5	0.1	0.0	0.0	759.9	821.2	913.5	1068.1	0.0	0.0	8.5	8.7	27.5	2.9
04	57.6	31.4	44.5	4.9	3.4	3.9	19.4	12.4	5.8	1.1	0.2	0.1	334.5	387.5	470.9	616.1	0.0	0.1	20.8	1.2	15.9	0.1
05	70.4	44.3	57.3	3.6	3.0	2.9	153.8	119.2	77.2	31.1	9.5	5.4	81.1	108.4	159.4	268.4	0.0	0.8	29.7	0.0	2.8	0.0
06	80.2	55.1	67.6	3.2	2.9	2.8	382.6	325.8	245.4	130.2	52.9	33.7	3.2	6.5	16.0	50.8	0.1	2.9	30.0	0.0	0.0	0.0
07	84.9	59.7	72.3	3.6	2.9	3.0	536.1	474.2	382.2	236.5	114.4	77.8	0.0	0.1	1.1	10.3	0.4	6.1	31.0	0.0	0.0	0.0
08	82.9	56.5	69.7	2.9	2.6	2.6	456.3	395.4	306.5	172.0	73.0	46.0	0.7	1.8	6.0	26.3	0.1	3.8	31.0	0.0	0.0	0.0
09	74.9	46.8	60.9	3.1	2.8	2.4	215.1	173.3	120.1	55.6	19.5	11.8	39.8	58.0	94.8	180.2	0.0	1.5	29.8	0.0	1.9	0.0
10	59.3	33.3	46.3	4.7	3.0	3.4	32.4	22.3	12.0	3.7	0.8	0.3	302.2	354.1	436.7	583.4	0.0	0.2	23.2	0.6	14.3	0.0
11	42.5	19.4	30.9	7.0	4.9	5.6	0.7	0.3	0.0	0.0	0.0	0.0	722.2	781.8	871.5	1021.5	0.0	0.0	8.4	7.8	27.2	1.9
12	28.7	7.9	18.3	6.9	6.1	6.3	0.0	0.0	0.0	0.0	0.0	0.0	1137.4	1199.4	1292.5	1447.6	0.0	0.0	1.1	19.2	30.8	8.8
Summary	56.3	31.8	44.0	5.1	4.4	4.4	1798	1524	1150	630	270	175	5740	6196	6917	8222	0.6	15.4	215.3	77.9	178.9	38.4

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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	0.55	7.1	1.8	0.1	0.0	0.28	0.59	0.69
02	0.62	7.0	2.1	0.1	0.0	0.39	0.66	0.86
03	0.89	7.7	2.3	0.4	0.0	0.44	0.78	1.27
04	1.91	8.1	4.2	1.4	0.3	1.02	1.91	2.45
05	3.28	10.4	6.1	1.8	0.6	1.74	2.81	4.33
06	3.76	11.5	7.2	2.6	0.9	2.49	3.78	4.90
07	3.09	10.1	6.1	2.0	0.8	1.78	2.89	4.04
08	2.24	8.1	4.2	1.3	0.5	1.21	2.23	2.93
09	1.99	7.7	4.1	1.4	0.3	0.95	1.59	2.66
10	2.14	7.6	3.7	1.4	0.6	0.90	1.56	3.31
11	0.74	6.1	2.3	0.3	0.0	0.15	0.42	1.32
12	0.61	6.9	1.8	0.1	0.0	0.31	0.43	0.89
Summary	21.82	98.3	45.9	12.9	4.0	11.66	19.65	29.65

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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	7.80	7.9	2.2	0.6	0.2	0.0	24.0	18.6	12.0	5.0	4.40	7.30	10.50
02	8.60	6.9	2.6	0.8	0.3	0.0	18.2	12.9	10.2	5.4	4.40	7.40	11.90
03	6.30	5.1	1.7	0.6	0.2	0.1	12.4	8.3	6.1	3.3	1.90	4.60	9.30
04	4.20	2.0	1.3	0.5	0.3	0.0	2.3	1.2	0.7	0.1	0.10	1.90	6.00
05	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
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	1.30	1.2	0.5	0.1	0.0	0.0	0.7	0.4	0.2	0.0	0.00	0.10	1.60
11	6.50	4.2	1.7	0.7	0.2	0.1	5.7	3.1	2.0	0.6	0.70	3.80	8.00
12	8.00	6.9	2.5	0.8	0.3	0.0	16.9	10.4	7.6	3.0	2.80	8.10	12.40
Summary	42.7	34.2	12.5	4.1	1.5	0.2	80.2	54.9	38.8	17.4	14.3	33.2	59.7

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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	0.2	3.9	43.8	201.5	539.0	829.4	1001.1	920.6	625.9	248.2	37.3	0.9
45	0.0	1.3	17.8	112.5	392.8	679.4	846.1	765.5	478.6	147.1	14.7	0.1
50	0.0	0.3	6.1	52.0	261.7	529.7	691.1	610.6	338.3	74.8	4.0	0.0
55	0.0	0.0	1.8	19.4	153.8	382.6	536.1	456.3	215.1	32.4	0.7	0.0
60	0.0	0.0	0.5	5.8	77.2	245.4	382.2	306.5	120.1	12.0	0.0	0.0
Growing Degree Units for Corn (Monthly)												
50/86	1.1	4.8	42.3	152.3	336.1	527.5	659.6	600.3	400.6	174.5	38.5	3.0

Growing Degree Units (Accumulated Monthly)

40	0	4	48	249	788	1618	2619	3540	4165	4414	4451	4452
45	0	1	19	132	524	1204	2050	2815	3294	3441	3456	3456
50	0	0	6	58	320	850	1541	2152	2490	2565	2569	2569
55	0	0	2	21	175	558	1094	1550	1765	1798	1798	1798
60	0	0	0	6	84	329	711	1018	1138	1150	1150	1150
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	1	6	48	200	537	1064	1724	2324	2725	2899	2938	2941

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

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