

Summary of Monthly Normals
1991-2020

Generated on 05/16/2024

Current Location: Elev: 1305 ft. Lat: 45.7231° N Lon: 98.3031° W

Station: COLUMBIA 8 N, SD US USC00391873

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	21.5	0.4	10.9	5.6	6.5	5.9	0.0	0.0	0.0	0.0	0.0	0.0	1365.3	1427.3	1520.4	1675.4	0.0	0.0	0.2	24.4	31.0	15.3
02	26.4	4.5	15.4	7.7	8.5	8.0	0.0	0.0	0.0	0.0	0.0	0.0	1107.2	1163.2	1247.3	1387.3	0.0	0.0	1.1	18.7	27.8	10.7
03	39.3	17.7	28.5	6.5	5.6	5.9	0.8	0.4	0.2	0.0	0.0	0.0	822.3	884.0	976.7	1131.5	0.0	0.0	7.0	9.6	28.6	3.6
04	55.2	31.1	43.1	5.1	3.7	4.1	14.9	8.6	3.5	0.5	0.1	0.1	370.4	424.2	509.0	656.0	0.0	0.0	19.9	1.5	15.9	0.0
05	68.2	44.8	56.5	3.5	2.9	2.9	140.0	106.0	65.6	23.4	5.2	2.2	93.5	121.6	174.2	286.9	0.0	0.3	29.0	0.0	2.4	0.0
06	77.8	55.7	66.7	2.9	2.5	2.5	357.4	301.7	223.9	113.3	41.2	24.6	5.0	9.4	21.5	60.9	0.0	1.0	30.0	0.0	0.0	0.0
07	83.1	59.9	71.5	3.5	2.8	2.9	511.6	450.1	358.7	216.1	99.6	65.7	0.2	0.6	2.3	14.7	0.3	4.3	31.0	0.0	0.0	0.0
08	81.4	56.9	69.2	2.8	2.3	2.4	439.7	379.4	291.2	158.9	63.1	38.4	1.2	2.9	7.6	30.3	0.1	2.9	31.0	0.0	0.0	0.0
09	72.9	46.9	59.9	3.1	2.9	2.6	196.4	155.8	103.9	43.4	12.6	6.9	49.5	69.0	107.0	196.5	0.0	0.8	29.8	0.0	1.4	0.0
10	57.5	33.0	45.3	4.8	3.4	3.8	26.7	17.5	8.8	2.0	0.2	0.0	328.9	381.7	466.0	614.2	0.0	0.0	22.0	0.9	13.9	0.0
11	40.7	19.3	30.0	6.9	5.0	5.8	0.2	0.1	0.0	0.0	0.0	0.0	750.2	810.0	900.0	1050.0	0.0	0.0	7.3	8.9	27.5	1.6
12	26.9	7.3	17.1	6.4	5.9	6.0	0.0	0.0	0.0	0.0	0.0	0.0	1174.7	1236.7	1329.8	1484.8	0.0	0.0	0.9	20.9	31.0	9.7
Summary	54.2	31.5	42.8	4.9	4.3	4.4	1688	1420	1056	558	222	138	6068	6531	7262	8588	0.4	9.3	209.2	84.9	179.5	40.9

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	0.47	5.9	1.5	0.1	0.0	0.20	0.51	0.68	
02	0.44	4.9	1.5	0.0	0.0	0.24	0.44	0.66	
03	0.87	5.5	2.3	0.4	0.0	0.35	0.78	1.45	
04	1.77	6.6	4.0	1.2	0.3	0.93	1.58	2.44	
05	3.41	10.0	6.3	1.9	0.6	1.58	2.80	4.44	
06	3.59	10.9	6.7	2.3	1.0	2.44	3.23	4.55	
07	3.62	9.6	5.7	2.2	1.2	2.01	3.51	5.17	
08	2.62	7.5	4.3	1.9	0.8	1.85	2.54	3.14	
09	2.38	7.1	4.1	1.3	0.3	0.83	1.69	3.77	
10	2.11	6.6	3.4	1.1	0.5	0.75	1.30	3.15	
11	0.68	4.6	1.9	0.2	0.1	0.13	0.43	1.10	
12	0.50	5.4	1.7	0.1	0.0	0.23	0.40	0.69	
Summary	22.46	84.6	43.4	12.7	4.8	11.54	19.21	31.24	

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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	7.70	7.3	2.6	0.8	0.3	0.0	28.2	24.2	17.9	9.3	4.00	6.70	9.50
02	6.80	5.4	2.3	0.8	0.3	0.0	21.6	17.1	14.2	8.8	2.80	6.00	11.10
03	6.10	4.2	2.0	0.7	0.2	0.1	16.2	13.1	10.5	7.1	2.80	4.60	8.10
04	3.60	1.9	1.0	0.5	0.3	0.1	3.5	2.2	1.5	0.2	0.00	2.00	5.50
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	0.70	0.7	0.2	0.1	0.0	0.0	0.5	0.1	0.0	0.0	0.00	0.00	0.60
11	5.70	3.3	1.6	0.7	0.3	0.0	7.2	5.0	2.9	1.3	0.00	3.00	7.60
12	7.20	6.6	2.5	0.6	0.2	0.0	20.9	15.3	11.1	4.6	2.40	5.20	11.50
Summary	37.8	29.4	12.2	4.2	1.6	0.2	98.1	77.0	58.1	31.3	12.0	27.5	53.9

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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	0.3	2.1	29.7	176.4	514.8	802.4	976.4	903.5	597.8	227.0	32.2	0.5
45	0.0	0.6	11.0	95.4	372.1	652.3	821.3	748.5	451.7	130.6	10.7	0.0
50	0.0	0.1	3.1	42.5	245.1	503.1	666.4	593.6	314.5	65.1	2.1	0.0
55	0.0	0.0	0.8	14.9	140.0	357.4	511.6	439.7	196.4	26.7	0.2	0.0
60	0.0	0.0	0.2	3.5	65.6	223.9	358.7	291.2	103.9	8.8	0.0	0.0
Growing Degree Units for Corn (Monthly)												
50/86	0.6	2.7	29.4	125.9	307.7	507.7	646.3	589.3	373.5	153.3	30.3	1.7

Growing Degree Units (Accumulated Monthly)												
40	0	2	32	208	723	1526	2502	3406	4003	4230	4263	4263
45	0	1	12	107	479	1131	1953	2701	3153	3283	3294	3294
50	0	0	3	46	291	794	1460	2054	2368	2434	2436	2436
55	0	0	1	16	156	513	1025	1464	1661	1688	1688	1688
60	0	0	0	4	69	293	652	943	1047	1056	1056	1056
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	1	3	33	159	466	974	1620	2210	2583	2736	2767	2768

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