

Summary of Monthly Normals
1991-2020

Current Location: Elev: 3308 ft. Lat: 44.4106° N Lon: 103.4769° W
Station: FT MEADE, SD US USC00393069
Generated on 05/23/2024

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	37.7	15.1	26.4	5.2	4.6	4.8	0.1	0.1	0.0	0.0	0.0	0.0	886.7	948.6	1041.6	1196.6	0.0	0.0	7.0	10.2	28.3	5.3
02	39.2	16.5	27.8	7.8	7.0	7.4	0.4	0.2	0.0	0.0	0.0	0.0	760.4	816.1	899.9	1040.1	0.0	0.0	7.2	8.2	25.4	4.2
03	48.7	24.6	36.6	6.5	4.9	5.6	5.3	2.9	1.0	0.2	0.1	0.0	574.2	633.8	724.9	879.1	0.0	0.0	15.4	4.8	23.6	1.5
04	57.8	33.5	45.6	4.1	3.0	3.4	25.5	16.4	7.7	1.6	0.3	0.1	305.9	356.9	438.2	582.1	0.0	0.0	22.5	1.4	13.9	0.0
05	67.0	43.7	55.3	4.0	2.4	3.0	116.8	87.5	53.0	17.5	3.5	1.5	106.0	138.6	197.2	316.6	0.0	0.3	28.9	0.0	2.9	0.0
06	78.2	53.2	65.7	4.3	2.2	3.1	329.9	275.6	199.7	97.6	35.9	21.9	8.9	14.7	28.8	76.6	0.2	2.8	29.9	0.0	0.0	0.0
07	86.4	59.9	73.2	4.5	2.6	3.4	562.5	500.6	409.0	262.1	135.4	96.1	0.1	0.2	1.6	9.6	1.3	11.1	31.0	0.0	0.0	0.0
08	85.6	57.9	71.8	3.2	2.2	2.6	520.7	459.5	369.5	228.1	110.8	75.6	1.6	2.4	5.4	18.9	0.5	10.1	31.0	0.0	0.0	0.0
09	77.0	48.6	62.8	3.4	2.5	2.8	266.9	220.5	157.9	78.7	30.9	19.7	33.1	46.7	74.1	144.8	0.1	3.7	29.4	0.0	0.7	0.0
10	60.7	36.4	48.5	5.0	3.2	3.9	49.9	34.7	18.2	5.2	1.0	0.5	249.8	296.6	373.0	515.0	0.0	0.2	25.3	0.9	9.7	0.1
11	47.8	25.0	36.4	5.9	3.6	4.6	3.9	1.9	0.5	0.0	0.0	0.0	561.8	619.9	708.4	858.0	0.0	0.0	14.5	4.4	23.0	0.7
12	39.1	17.2	28.2	5.4	5.3	5.2	0.1	0.1	0.0	0.0	0.0	0.0	832.3	894.2	987.1	1142.2	0.0	0.0	7.1	8.4	28.9	3.4
Summary	60.4	36.0	48.2	4.9	3.6	4.1	1882	1600	1217	691	318	215	4321	4769	5480	6780	2.1	28.2	249.2	38.3	156.4	15.2

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	0.49	6.0	1.8	0.0	0.0	0.25	0.35	0.58	
02	0.72	6.6	2.3	0.2	0.0	0.48	0.76	0.88	
03	1.25	7.0	3.2	0.7	0.1	0.70	1.25	1.81	
04	2.45	9.4	5.6	1.7	0.3	1.87	2.24	2.76	
05	4.44	12.2	7.3	2.9	1.2	1.94	4.27	6.30	
06	3.30	11.8	7.3	1.9	0.6	1.93	3.40	3.88	
07	2.27	9.3	4.9	1.4	0.3	1.21	1.87	2.97	
08	1.72	7.1	4.1	1.1	0.3	0.93	1.52	2.38	
09	1.40	6.2	3.3	0.8	0.2	0.71	1.07	1.76	
10	1.90	7.7	3.6	1.0	0.4	0.73	1.19	1.81	
11	0.84	5.8	2.1	0.3	0.1	0.41	0.74	0.98	
12	0.50	5.3	1.8	0.0	0.0	0.21	0.41	0.71	
Summary	21.28	94.4	47.3	12.0	3.5	11.37	19.07	26.82	

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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	5.30	3.3	1.9	0.3	0.1	0.0	11.4	5.3	2.5	0.3	3.70	5.10	6.90
02	8.30	3.6	2.7	0.6	0.3	0.0	11.5	7.0	3.0	0.3	5.30	7.20	8.60
03	8.40	2.1	1.8	0.8	0.6	0.0	7.0	3.9	2.2	0.5	5.00	7.00	12.00
04	7.90	1.5	1.4	0.8	0.6	0.2	3.2	1.9	1.4	0.5	0.00	4.50	11.50
05	1.40	0.3	0.3	0.2	0.1	0.0	0.2	0.2	0.1	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	2.80	0.9	0.6	0.2	0.1	0.1	1.5	0.6	0.4	0.2	0.00	0.00	2.90
11	5.30	1.7	1.4	0.5	0.3	0.1	3.8	1.9	1.0	0.4	1.00	4.10	8.50
12	8.20	2.9	1.9	0.6	0.1	0.0	11.9	5.2	2.2	0.3	5.70	7.90	11.10
Summary	47.6	16.3	12.0	4.0	2.2	0.4	50.5	26.0	12.8	2.5	20.7	35.8	61.5

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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	20.5	28.9	102.5	226.3	480.4	770.9	1027.2	984.0	684.7	308.5	87.5	22.7
45	5.7	10.6	48.8	129.6	337.0	621.2	872.2	829.0	538.1	195.0	40.2	6.4
50	1.3	2.8	18.4	64.0	213.2	472.8	717.3	674.5	396.6	107.7	14.8	1.1
55	0.1	0.4	5.3	25.5	116.8	329.9	562.5	520.7	266.9	49.9	3.9	0.1
60	0.0	0.0	1.0	7.7	53.0	199.7	409.0	369.5	157.9	18.2	0.5	0.0
Growing Degree Units for Corn (Monthly)												
50/86	19.4	27.3	83.9	153.9	284.5	476.8	667.8	636.5	432.3	197.8	69.9	21.8

Growing Degree Units (Accumulated Monthly)												
40	20	49	152	378	859	1630	2657	3641	4325	4634	4721	4744
45	6	16	65	195	532	1153	2025	2854	3392	3587	3627	3634
50	1	4	22	86	300	772	1490	2164	2561	2669	2683	2684
55	0	0	6	31	148	478	1040	1561	1828	1878	1882	1882
60	0	0	1	9	62	261	670	1040	1198	1216	1217	1217
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	19	47	131	284	569	1046	1714	2350	2782	2980	3050	3072

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