

Summary of Monthly Normals
1981-2010

Generated on 04/28/2024

Current Location: Elev: 1187 ft. Lat: 43.6447° N Lon: 94.4656° W

Station: FAIRMONT, MN US USC00212698

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	24.4	6.3	15.3	6.4	6.8	6.5	0	0	0	0	0	0	1229	1291	1384	1539	0.0	0.0	0.4	21.5	30.8	10.6
02	29.0	10.8	19.9	6.4	7.0	6.5	-7777	-7777	-7777	0	0	0	983	1039	1123	1263	0.0	0.0	1.1	15.6	27.1	6.7
03	41.0	22.3	31.6	5.0	4.0	4.3	1	1	-7777	-7777	0	0	725	786	879	1034	0.0	0.0	7.5	6.9	26.2	1.6
04	57.2	36.0	46.6	4.4	3.2	3.6	37	27	15	4	-7777	-7777	290	339	417	556	0.0	-7777	21.2	0.6	9.9	0.0
05	69.9	49.4	59.6	4.2	3.0	3.4	195	153	101	41	12	6	51	71	112	207	0.0	0.4	30.5	0.0	0.3	0.0
06	79.4	59.4	69.4	2.7	2.6	2.5	434	376	291	166	71	46	2	4	9	34	-7777	2.2	30.0	0.0	0.0	0.0
07	83.1	63.7	73.4	3.2	2.2	2.6	570	508	416	265	133	91	-7777	-7777	-7777	5	0.1	4.4	31.0	0.0	0.0	0.0
08	80.8	61.5	71.2	3.1	2.8	2.8	501	439	348	205	92	60	-7777	1	2	15	0.0	2.4	31.0	0.0	0.0	0.0
09	73.4	51.2	62.3	3.2	2.6	2.8	249	203	142	66	21	12	30	44	73	147	0.0	0.5	29.6	0.0	0.5	0.0
10	59.8	38.5	49.2	3.7	2.8	3.1	52	37	20	6	1	1	233	280	357	498	0.0	0.2	24.8	0.2	7.3	0.0
11	42.2	24.8	33.5	6.4	5.4	5.8	3	1	1	-7777	0	0	648	706	796	945	0.0	0.0	8.3	6.5	22.8	0.6
12	27.3	11.0	19.2	6.8	7.1	6.8	0	0	0	0	0	0	1111	1173	1266	1421	0.0	0.0	0.5	19.1	30.3	6.9
Summary	55.6	36.2	45.9	4.6	4.1	4.2	2042	1745	1334	753	330	216	5302	5734	6418	7664	0.1	10.1	215.9	70.4	155.2	26.4

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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	0.92	6.7	2.5	0.3	0.1	0.43	0.74	1.37	
02	0.80	5.6	2.2	0.3	-7777	0.45	0.75	1.22	
03	1.97	7.5	4.2	1.5	0.3	1.02	1.81	2.86	
04	3.39	10.2	6.5	2.5	0.8	1.95	3.25	4.76	
05	3.85	11.2	7.3	2.8	0.8	2.03	3.93	5.13	
06	4.52	11.8	7.7	3.0	1.4	2.49	4.14	5.60	
07	4.33	9.6	6.5	2.8	1.4	2.31	4.13	5.81	
08	4.04	9.3	6.3	2.4	1.2	2.49	3.62	5.31	
09	3.47	9.0	5.6	1.8	0.8	1.93	3.04	3.67	
10	2.34	8.0	4.3	1.6	0.6	0.91	2.00	3.21	
11	1.80	6.6	4.0	1.1	0.3	0.93	1.53	2.33	
12	1.28	7.1	3.3	0.6	0.2	0.46	1.18	1.73	
Summary	32.71	102.6	60.4	20.7	7.9	17.40	30.12	43.00	

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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	6.3	4.8	3.6	1.0	0.4	0.1	24.0	18.5	15.5	7.2	3.0	6.3	8.5
02	6.8	3.8	2.7	1.0	0.4	0.0	19.3	14.3	10.9	5.3	4.1	6.3	8.0
03	9.6	2.7	2.3	1.0	0.6	0.1	11.4	8.0	5.2	2.2	4.0	8.0	18.3
04	3.4	1.3	1.2	0.5	0.1	0.0	1.4	0.5	0.1	0.0	0.0	2.0	5.5
05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
08	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
09	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.3	0.2	0.2	-7777	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
11	5.3	3.0	2.3	0.6	0.2	-7777	6.7	3.6	1.4	0.1	1.2	2.5	6.6
12	13.5	5.3	4.3	1.3	0.5	0.1	19.9	13.0	8.6	4.8	4.0	13.3	17.0
Summary	45.2	21.1	16.6	5.4	2.2	0.3	82.8	57.9	41.7	19.6	16.3	38.4	63.9

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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	1	4	41	242	609	882	1035	965	669	310	60	2
45	-7777	1	17	147	458	732	880	811	522	195	29	1
50	0	-7777	6	78	317	582	725	656	379	107	11	-7777
55	0	-7777	1	37	195	434	570	501	249	52	3	0
60	0	-7777	-7777	15	101	291	416	348	142	20	1	0
Growing Degree Units for Corn (Monthly)												
50/86	1	3	29	144	351	574	704	645	407	179	36	1

Growing Degree Units (Accumulated Monthly)												
40	1	5	46	288	897	1779	2814	3779	4448	4758	4818	4820
45	0	1	18	165	623	1355	2235	3046	3568	3763	3792	3793
50	0	0	6	84	401	983	1708	2364	2743	2850	2861	2861
55	0	0	1	38	233	667	1237	1738	1987	2039	2042	2042
60	0	0	0	15	116	407	823	1171	1313	1333	1334	1334
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	1	4	33	177	528	1102	1806	2451	2858	3037	3073	3074

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