

Summary of Monthly Normals
1991-2020

Generated on 06/03/2024

Current Location: Elev: 2590 ft. Lat: 42.8783° N Lon: 100.5500° W

Station: VALENTINE MILLER FLD, NE US USW00024032

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	37.8	11.2	24.5	5.1	4.3	4.5	0.0	0.0	0.0	0.0	0.0	0.0	945.4	1007.4	1100.4	1255.4	0.0	0.0	5.9	12.1	30.7	6.9
02	40.9	14.2	27.6	7.2	5.9	6.4	0.3	0.0	0.0	0.0	0.0	0.0	768.6	824.3	908.4	1048.4	0.0	0.0	7.6	8.7	27.0	4.0
03	51.6	23.5	37.6	6.6	4.1	5.1	7.4	4.2	1.9	0.3	0.0	0.0	548.5	607.3	698.0	851.4	0.0	0.0	16.5	4.1	25.3	1.3
04	61.2	33.1	47.2	3.9	3.1	3.3	35.9	24.7	12.8	2.7	0.4	0.2	271.4	320.2	398.2	538.1	0.0	0.1	23.0	0.9	14.1	0.0
05	72.0	44.2	58.1	3.7	2.5	2.7	170.6	134.1	87.8	35.8	11.2	6.4	74.5	100.0	146.7	249.7	0.0	1.5	29.6	0.0	3.4	0.0
06	83.0	54.9	69.0	3.7	3.0	3.1	422.2	365.2	283.8	165.0	77.4	53.6	3.8	6.8	15.4	46.6	0.7	6.3	29.9	0.0	0.0	0.0
07	90.4	61.0	75.7	4.2	3.0	3.4	641.5	579.4	486.9	336.3	200.2	153.3	0.0	0.0	0.4	4.7	3.5	14.6	31.0	0.0	0.0	0.0
08	88.4	58.7	73.6	3.0	2.4	2.4	575.7	514.5	423.8	279.2	151.6	109.5	0.8	1.6	3.9	14.3	2.2	12.4	31.0	0.0	0.0	0.0
09	79.8	48.6	64.2	3.5	3.5	3.0	300.2	251.9	186.9	101.4	45.8	30.6	24.4	36.1	61.0	125.6	0.6	5.8	29.8	0.0	1.1	0.0
10	64.5	34.2	49.3	4.8	3.0	3.6	57.7	40.7	22.4	6.5	0.9	0.2	232.8	277.7	352.5	491.6	0.0	0.6	26.0	0.6	13.0	0.1
11	50.6	21.8	36.2	6.1	3.7	4.7	5.1	3.1	1.4	0.2	0.0	0.0	569.1	627.0	715.3	864.2	0.0	0.0	15.1	4.4	26.5	1.1
12	39.4	13.1	26.3	5.2	4.1	4.5	0.1	0.1	0.1	0.0	0.0	0.0	891.1	953.0	1046.0	1201.0	0.0	0.0	6.4	10.4	30.7	4.5
Summary	63.3	34.9	49.1	4.8	3.6	3.9	2217	1918	1508	927	487	354	4330	4761	5446	6691	7.0	41.3	251.8	41.2	171.8	17.9

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	0.32	4.9	0.9	0.1	0.0	0.19	0.25	0.45	
02	0.61	5.7	1.7	0.3	0.0	0.24	0.52	0.88	
03	1.01	6.9	2.6	0.6	0.1	0.58	1.05	1.39	
04	2.48	9.6	4.9	1.7	0.3	1.52	2.46	3.13	
05	3.52	11.8	7.0	2.2	0.8	2.59	3.37	4.71	
06	3.96	11.2	6.4	2.6	1.0	3.07	3.92	4.69	
07	2.82	9.3	5.1	1.7	0.8	1.67	3.10	3.78	
08	2.04	8.1	4.5	1.3	0.4	1.08	1.95	2.59	
09	1.72	6.8	3.7	1.1	0.3	0.67	1.54	2.37	
10	1.42	7.2	3.3	0.8	0.1	0.57	1.23	1.86	
11	0.57	4.8	1.9	0.1	0.0	0.27	0.46	0.72	
12	0.43	4.8	1.3	0.1	0.0	0.14	0.32	0.81	
Summary	20.90	91.1	43.3	12.6	3.8	12.59	20.17	27.38	

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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	4.40	3.8	1.6	0.3	0.1	0.0	12.2	5.0	1.3	0.1	2.40	4.80	5.90
02	6.50	4.7	2.5	0.6	0.2	0.0	9.7	3.6	1.6	0.4	3.50	6.30	8.80
03	6.00	4.0	2.0	0.7	0.3	0.0	6.0	2.7	1.5	0.3	1.50	5.10	8.70
04	5.60	2.4	1.6	0.7	0.4	0.0	2.6	1.5	0.8	0.1	0.50	2.80	8.30
05	0.10	0.1	0.1	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	2.00	1.1	0.7	0.2	0.0	0.0	1.0	0.3	0.0	0.0	0.00	0.00	3.00
11	4.60	2.9	1.5	0.6	0.2	0.0	4.4	2.0	0.6	0.1	1.00	3.40	6.40
12	5.00	3.9	1.7	0.5	0.2	0.0	11.6	4.6	1.8	0.1	2.00	4.80	7.60
Summary	34.2	22.9	11.7	3.6	1.4	0.0	47.5	19.7	7.6	1.1	10.9	27.2	48.7

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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	10.6	24.6	112.7	261.6	562.2	868.3	1106.3	1039.8	726.2	327.9	86.2	13.5
45	1.9	8.7	54.9	158.7	414.1	718.4	951.3	884.8	577.9	210.7	41.1	3.4
50	0.1	2.3	22.4	82.1	280.0	569.2	796.5	730.0	434.1	119.9	16.1	0.7
55	0.0	0.3	7.4	35.9	170.6	422.2	641.5	575.7	300.2	57.7	5.1	0.1
60	0.0	0.0	1.9	12.8	87.8	283.8	486.9	423.8	186.9	22.4	1.4	0.1
Growing Degree Units for Corn (Monthly)												
50/86	21.1	35.1	113.5	194.0	354.6	549.9	706.8	663.9	460.8	242.5	96.5	24.4

Growing Degree Units (Accumulated Monthly)												
40	11	35	148	410	972	1840	2946	3986	4712	5040	5126	5140
45	2	11	66	224	638	1357	2308	3193	3771	3981	4022	4026
50	0	2	25	107	387	956	1753	2483	2917	3037	3053	3053
55	0	0	8	44	214	636	1278	1854	2154	2212	2217	2217
60	0	0	2	15	102	386	873	1297	1484	1506	1508	1508
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	21	56	170	364	718	1268	1975	2639	3100	3342	3439	3463

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