

Summary of Monthly Normals
1991-2020

Generated on 04/25/2024

Current Location: Elev: 490 ft. Lat: 38.3483° N Lon: 88.8533° W
Station: MT VERNON 3 NE, IL US USC00115943

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	38.5	21.7	30.1	4.2	4.6	4.3	1.2	0.5	0.2	0.0	0.0	0.0	772.8	834.2	926.9	1081.6	0.0	0.0	6.0	9.9	25.9	1.5
02	43.6	25.0	34.3	4.8	4.9	4.7	2.7	1.6	0.7	0.1	0.0	0.0	582.2	637.1	720.2	859.6	0.0	0.0	8.8	5.2	21.8	0.5
03	53.6	33.8	43.7	4.8	4.5	4.5	29.2	20.6	10.7	2.4	0.2	0.0	379.5	432.9	516.0	662.7	0.0	0.0	18.6	1.1	15.2	0.0
04	64.9	44.1	54.5	3.4	3.2	3.1	108.6	81.3	48.9	15.6	2.5	0.8	123.7	156.3	213.9	330.6	0.0	0.0	27.5	0.0	3.8	0.0
05	73.8	55.0	64.4	3.1	3.3	3.0	306.2	254.4	184.4	92.1	30.8	16.1	14.9	25.0	48.0	110.7	0.0	0.0	30.9	0.0	0.0	0.0
06	82.4	63.7	73.1	2.3	2.3	2.0	541.6	482.0	393.6	251.4	128.6	89.3	0.2	0.6	2.2	10.0	0.1	3.9	30.0	0.0	0.0	0.0
07	85.7	67.3	76.5	3.0	2.4	2.5	666.4	604.4	511.4	357.0	210.0	157.0	0.0	0.0	0.0	0.6	0.3	7.7	31.0	0.0	0.0	0.0
08	84.8	64.8	74.8	2.9	2.7	2.6	613.7	551.7	459.0	306.4	166.9	119.2	0.0	0.0	0.3	2.8	0.1	6.7	31.0	0.0	0.0	0.0
09	78.6	56.7	67.7	3.0	2.9	2.7	385.8	330.4	251.7	139.3	60.4	38.6	6.4	11.0	22.3	59.9	0.0	2.3	30.0	0.0	0.0	0.0
10	67.5	44.7	56.1	2.8	2.2	2.0	135.7	103.9	65.8	25.0	7.0	3.6	101.7	131.9	186.7	300.9	0.0	0.2	29.8	0.0	4.1	0.0
11	53.7	34.2	44.0	5.2	3.6	4.2	22.4	14.9	7.0	1.5	0.0	0.0	353.8	406.3	488.5	632.9	0.0	0.0	19.1	0.9	13.7	0.0
12	42.9	26.1	34.5	4.5	4.3	4.3	2.3	1.1	0.4	0.0	0.0	0.0	637.7	698.5	790.8	945.4	0.0	0.0	8.6	5.9	23.6	0.6
Summary	64.2	44.8	54.5	3.7	3.4	3.3	2816	2447	1934	1191	606	425	2973	3334	3916	4998	0.5	20.8	271.3	23.0	108.1	2.6

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	2.60	8.9	5.2	1.5	0.6	1.15	2.21	3.68	
02	2.62	8.3	5.1	1.9	0.5	1.60	2.40	3.58	
03	4.00	10.9	7.0	2.5	1.1	2.65	3.85	4.65	
04	4.96	11.1	8.0	3.5	1.4	3.11	4.61	6.17	
05	5.06	13.1	8.6	3.4	1.4	3.62	4.45	5.65	
06	4.84	10.1	7.0	3.2	1.4	3.41	4.38	5.60	
07	3.78	8.7	5.8	2.6	1.4	2.73	3.61	4.80	
08	3.33	8.4	4.9	2.2	1.0	1.82	3.20	4.48	
09	3.37	7.6	4.8	2.3	0.8	1.32	2.87	4.32	
10	3.53	8.5	5.7	2.2	0.9	1.63	2.94	4.65	
11	3.99	9.4	6.6	2.8	1.3	2.49	3.91	5.43	
12	2.89	9.5	5.5	2.3	0.5	1.66	2.26	4.22	
Summary	44.97	114.5	74.2	30.4	12.3	27.19	40.69	57.23	

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

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

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	3.20	1.8	1.2	0.3	0.2	0.0	4.7	2.0	1.6	0.1	1.50	2.50	3.10
02	3.10	1.7	1.1	0.4	0.1	0.0	3.1	1.0	0.4	0.1	0.00	0.90	3.50
03	1.00	0.5	0.4	0.2	0.1	0.0	0.7	0.3	0.2	0.0	0.00	0.00	1.50
04	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
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	0.20	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.00	0.00	0.00
11	0.40	0.3	0.2	0.1	0.0	0.0	0.4	0.1	0.0	0.0	0.00	0.00	0.00
12	2.50	1.0	0.7	0.4	0.1	0.0	2.4	1.7	0.7	0.0	0.00	0.00	4.70
Summary	10.4	5.4	3.7	1.4	0.5	0.0	11.4	5.1	2.9	0.2	1.5	3.4	12.8

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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	35.0	59.2	196.2	444.3	756.4	991.3	1131.4	1078.6	829.4	503.2	191.7	57.7
45	14.8	26.4	115.5	311.8	601.6	841.4	976.4	923.7	679.5	359.3	108.6	24.6
50	5.1	9.5	61.8	197.2	448.8	691.4	821.4	768.7	530.7	235.1	53.7	9.0
55	1.2	2.7	29.2	108.6	306.2	541.6	666.4	613.7	385.8	135.7	22.4	2.3
60	0.2	0.7	10.7	48.9	184.4	393.6	511.4	459.0	251.7	65.8	7.0	0.4
Growing Degree Units for Corn (Monthly)												
50/86	19.3	37.1	115.9	257.2	469.8	677.7	791.4	741.8	536.7	304.3	106.5	30.1

Growing Degree Units (Accumulated Monthly)												
40	35	94	290	735	1491	2482	3614	4692	5522	6025	6217	6274
45	15	41	157	468	1070	1912	2888	3812	4491	4850	4959	4984
50	5	15	76	274	722	1414	2235	3004	3535	3770	3823	3832
55	1	4	33	142	448	990	1656	2270	2655	2791	2814	2816
60	0	1	12	60	245	638	1150	1609	1861	1926	1933	1934
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	19	56	172	430	899	1577	2368	3110	3647	3951	4058	4088

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