

Summary of Monthly Normals
1991-2020

Generated on 06/03/2024

Current Location: Elev: 2510 ft. Lat: 42.5522° N Lon: 99.8556° W

Station: AINSWORTH, NE US USC00250050

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	36.9	15.2	26.0	5.3	4.5	4.7	0.1	0.0	0.0	0.0	0.0	0.0	897.4	959.4	1052.4	1207.4	0.0	0.0	5.3	11.7	28.6	4.9	
02	40.1	17.6	28.9	7.1	5.9	6.4	0.9	0.5	0.1	0.0	0.0	0.0	732.9	788.5	872.1	1012.0	0.0	0.0	7.2	9.3	25.2	2.8	
03	51.4	26.4	38.9	6.6	4.5	5.4	11.4	6.6	2.6	0.4	0.0	0.0	510.6	567.9	656.9	809.6	0.0	0.0	17.0	4.0	21.7	0.9	
04	61.2	35.5	48.4	4.0	3.1	3.3	44.9	30.5	16.1	4.3	0.6	0.2	244.4	290.0	365.5	503.7	0.0	0.1	23.8	0.8	10.7	0.0	
05	71.4	46.8	59.1	3.6	2.3	2.7	189.7	150.4	100.5	41.7	12.3	6.5	62.7	85.3	128.5	224.6	0.0	0.6	30.0	0.0	1.3	0.0	
06	81.4	57.2	69.3	3.5	2.6	2.9	432.0	374.6	291.2	166.1	73.9	48.9	3.1	5.7	12.3	37.2	0.1	3.9	30.0	0.0	0.0	0.0	
07	87.8	62.9	75.3	3.8	2.6	3.1	630.6	568.6	475.8	324.5	186.2	139.0	0.0	0.0	0.2	3.8	1.5	11.7	31.0	0.0	0.0	0.0	
08	85.6	60.9	73.2	2.9	2.0	2.3	566.3	504.7	413.0	266.0	137.0	95.6	0.6	1.1	2.3	10.3	0.4	8.0	31.0	0.0	0.0	0.0	
09	78.4	52.1	65.3	3.4	3.0	2.9	325.5	274.6	204.1	108.2	43.9	27.2	18.2	27.3	46.8	100.9	0.1	3.2	29.7	0.0	0.2	0.0	
10	64.4	39.1	51.7	4.3	2.7	3.4	83.6	60.4	34.4	11.0	2.4	1.1	184.3	223.2	290.1	421.7	0.0	0.3	26.5	0.5	6.6	0.0	
11	49.6	27.0	38.3	6.1	4.2	5.0	9.8	5.9	2.5	0.4	0.0	0.0	510.7	566.9	653.5	801.4	0.0	0.0	14.5	4.1	20.7	0.4	
12	38.3	18.0	28.1	5.1	4.5	4.7	0.2	0.1	0.1	0.0	0.0	0.0	832.3	894.2	987.2	1142.1	0.0	0.0	5.3	10.5	28.8	2.6	
Summary	62.2	38.2	50.2	4.6	3.5	3.9	2295	1977	1540	923	456	318	3997	4410	5068	6275	2.1	27.8	251.3	40.9	143.8	11.6	

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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	0.42	5.4	1.3	0.1	0.0	0.20	0.34	0.60	
02	0.63	6.4	1.9	0.2	0.0	0.36	0.58	0.88	
03	1.20	6.8	2.9	0.7	0.2	0.61	1.06	1.51	
04	2.64	9.6	5.0	1.9	0.5	1.62	2.39	3.22	
05	3.80	11.9	6.8	2.4	0.9	2.35	3.26	5.21	
06	3.77	11.1	6.7	2.1	0.8	2.41	3.32	5.44	
07	3.05	9.8	5.5	1.7	0.8	1.64	2.41	4.09	
08	2.81	8.6	4.9	2.2	0.7	1.83	2.88	3.55	
09	2.56	6.8	3.8	1.7	0.7	1.31	2.12	3.43	
10	1.73	7.1	3.7	1.1	0.3	0.85	1.71	2.20	
11	0.63	4.8	1.9	0.3	0.0	0.26	0.48	0.88	
12	0.57	5.3	1.7	0.2	0.0	0.22	0.40	0.74	
Summary	23.81	93.6	46.1	14.6	4.9	13.66	20.95	31.75	

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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	4.20	2.8	1.9	0.4	0.2	0.0	11.4	4.7	1.7	0.1	1.50	3.30	6.40
02	7.30	3.8	2.7	0.8	0.3	0.0	10.1	4.5	2.2	0.1	3.00	6.50	10.40
03	6.00	2.9	2.3	0.8	0.3	0.0	5.0	2.2	0.9	0.2	1.70	5.70	8.50
04	6.60	2.2	1.7	0.9	0.5	0.0	1.8	1.0	0.5	0.0	1.00	4.00	11.70
05	0.30	0.2	0.2	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	1.80	0.6	0.6	0.3	0.1	0.0	0.7	0.3	0.1	0.0	0.00	0.00	3.00
11	4.10	2.1	1.5	0.5	0.1	0.1	3.8	1.6	0.7	0.1	1.50	3.00	6.00
12	5.50	3.2	2.4	0.7	0.2	0.0	11.3	4.1	1.2	0.0	1.90	5.70	9.10
Summary	35.8	17.8	13.3	4.4	1.7	0.1	44.1	18.4	7.3	0.5	10.6	28.2	55.1

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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	17.8	33.4	137.0	292.6	593.0	878.9	1095.5	1030.6	757.5	390.6	115.1	20.7
45	4.9	13.2	72.6	183.0	443.7	728.8	940.4	875.5	608.7	264.5	60.1	6.3
50	0.6	4.2	31.8	99.1	306.7	579.5	785.5	720.7	463.6	160.9	27.1	1.2
55	0.1	0.9	11.4	44.9	189.7	432.0	630.6	566.3	325.5	83.6	9.8	0.2
60	0.0	0.1	2.6	16.1	100.5	291.2	475.8	413.0	204.1	34.4	2.5	0.1
Growing Degree Units for Corn (Monthly)												
50/86	17.2	30.6	108.7	196.0	360.2	565.5	725.5	681.0	478.5	245.9	84.7	18.2

Growing Degree Units (Accumulated Monthly)												
40	18	51	188	481	1074	1953	3048	4079	4836	5227	5342	5363
45	5	18	91	274	717	1446	2387	3262	3871	4135	4195	4202
50	1	5	37	136	442	1022	1807	2528	2992	3153	3180	3181
55	0	1	12	57	247	679	1310	1876	2201	2285	2295	2295
60	0	0	3	19	119	410	886	1299	1503	1538	1540	1540
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	17	48	156	352	713	1278	2004	2685	3163	3409	3494	3512

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