

Summary of Monthly Normals
1991-2020

Generated on 04/27/2024

Current Location: Elev: 1480 ft. Lat: 40.1750° N Lon: 97.5903° W

Station: **HEBRON, NE US USC00253735**

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	36.6	14.5	25.5	5.2	4.2	4.3	0.0	0.0	0.0	0.0	0.0	0.0	912.7	974.7	1067.8	1222.8	0.0	0.0	5.8	12.0	30.3	4.2
02	41.3	17.5	29.4	6.9	5.2	5.9	0.9	0.5	0.2	0.0	0.0	0.0	717.5	773.1	856.9	996.7	0.0	0.0	8.6	8.4	26.4	2.8
03	53.4	27.4	40.4	5.6	4.5	4.8	17.1	11.3	5.5	1.0	0.0	0.0	469.8	526.0	613.2	763.7	0.0	0.0	18.2	2.2	21.8	0.7
04	64.1	37.6	50.9	3.9	3.6	3.6	66.7	47.8	26.4	7.5	1.1	0.4	191.2	232.3	300.9	432.0	0.0	0.2	25.5	0.1	8.5	0.0
05	73.7	49.6	61.6	3.7	2.6	3.0	243.3	198.5	140.4	67.4	23.9	14.3	37.1	54.4	89.2	171.2	0.1	1.5	30.6	0.0	0.6	0.0
06	84.4	60.8	72.6	3.1	2.4	2.6	528.6	469.5	382.2	244.8	130.5	94.2	0.9	1.8	4.3	16.9	0.5	8.6	30.0	0.0	0.0	0.0
07	88.6	65.3	76.9	3.2	2.3	2.6	680.2	618.3	525.4	371.6	227.7	176.0	0.0	0.0	0.0	1.2	2.1	13.8	31.0	0.0	0.0	0.0
08	86.6	62.9	74.8	3.1	2.7	2.7	612.1	550.3	458.1	307.3	172.1	126.7	0.0	0.2	0.9	5.1	1.2	10.6	31.0	0.0	0.0	0.0
09	79.8	53.3	66.6	3.5	3.9	3.5	359.3	306.4	233.3	132.7	62.8	43.1	12.9	20.1	36.9	86.3	0.3	5.0	29.9	0.0	0.1	0.0
10	67.2	40.1	53.7	3.8	2.6	3.0	104.2	78.0	47.1	16.9	4.6	2.5	146.1	181.9	244.0	368.7	0.0	0.6	28.3	0.2	6.6	0.0
11	52.4	27.3	39.9	5.9	3.8	4.6	10.9	6.7	3.0	0.5	0.0	0.0	465.4	521.1	607.5	755.0	0.0	0.0	18.0	2.5	21.2	0.1
12	40.1	18.2	29.2	5.0	4.5	4.5	0.2	0.1	0.0	0.0	0.0	0.0	801.3	863.2	956.2	1111.2	0.0	0.0	7.8	8.9	29.9	1.8
Summary	64.0	39.5	51.8	4.4	3.5	3.8	2624	2287	1822	1150	623	457	3755	4149	4778	5931	4.2	40.3	264.7	34.3	145.4	9.6

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	0.80	4.9	2.5	0.3	0.0	0.31	0.73	1.16
02	0.82	4.8	2.2	0.3	0.0	0.42	0.76	1.11
03	1.70	7.6	3.9	1.0	0.3	0.80	1.39	2.13
04	2.74	9.0	6.0	1.9	0.4	1.99	2.62	3.49
05	5.26	11.6	7.6	3.4	1.5	2.90	5.31	7.39
06	4.39	10.0	6.3	2.6	1.3	3.05	3.91	5.75
07	4.57	9.6	6.5	3.1	1.3	2.55	3.76	5.23
08	3.52	9.2	5.9	2.3	1.1	2.39	3.51	4.26
09	2.60	7.1	4.3	1.7	0.7	1.58	2.13	3.47
10	2.33	6.7	4.1	1.3	0.5	0.88	1.98	3.49
11	1.30	5.1	2.5	0.8	0.3	0.53	0.99	1.60
12	1.05	5.1	2.1	0.6	0.2	0.26	0.65	1.76
Summary	31.08	90.7	53.9	19.3	7.6	17.66	27.74	40.84

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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	6.60	4.3	2.0	0.8	0.3	0.0	12.8	6.0	2.3	0.1	2.60	6.30	9.10
02	6.60	4.0	1.8	0.8	0.2	0.0	10.1	5.5	2.5	0.5	1.80	6.00	9.00
03	3.00	2.0	1.0	0.2	0.1	0.0	4.0	1.6	0.9	0.2	0.80	2.50	3.90
04	0.70	0.6	0.2	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.00	0.00	1.10
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	0.40	0.3	0.1	0.1	0.0	0.0	0.2	0.0	0.0	0.0	0.00	0.00	0.00
11	2.00	1.7	0.6	0.3	0.0	0.0	2.0	0.7	0.1	0.0	0.00	0.70	3.10
12	3.90	3.6	1.5	0.4	0.1	0.0	8.2	3.5	0.9	0.1	1.70	3.00	5.40
Summary	23.2	16.5	7.2	2.6	0.7	0.0	37.6	17.3	6.7	0.9	6.9	18.5	31.6

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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	10.2	32.6	151.4	349.1	671.4	977.8	1145.3	1077.1	796.6	438.3	126.3	17.5
45	1.5	12.8	83.8	230.4	518.3	827.7	990.2	922.0	647.1	305.3	65.5	4.5
50	0.1	4.2	41.2	134.7	372.9	677.7	835.2	767.0	500.2	191.7	30.0	0.9
55	0.0	0.9	17.1	66.7	243.3	528.6	680.2	612.1	359.3	104.2	10.9	0.2
60	0.0	0.2	5.5	26.4	140.4	382.2	525.4	458.1	233.3	47.1	3.0	0.0
Growing Degree Units for Corn (Monthly)												
50/86	17.1	37.9	123.1	229.8	411.5	643.0	766.3	718.0	509.5	287.4	103.0	23.1

Growing Degree Units (Accumulated Monthly)												
40	10	43	194	543	1215	2192	3338	4415	5212	5650	5776	5794
45	2	14	98	328	847	1674	2665	3587	4234	4539	4605	4609
50	0	4	46	180	553	1231	2066	2833	3333	3525	3555	3556
55	0	1	18	85	328	857	1537	2149	2508	2612	2623	2624
60	0	0	6	32	172	555	1080	1538	1771	1819	1822	1822
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	17	55	178	408	819	1462	2229	2947	3456	3744	3847	3870

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