

Summary of Monthly Normals
1991-2020

Current Location: Elev: 4708 ft. Lat: 41.2453° N Lon: 103.6344° W
Station: KIMBALL 2NE, NE US USC00254440
Generated on 06/04/2024

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	40.3	13.0	26.7	4.5	3.1	3.6	0.0	0.0	0.0	0.0	0.0	0.0	878.9	940.9	1034.0	1188.9	0.0	0.0	8.9	7.1	30.8	3.4
02	42.2	14.1	28.2	5.4	4.1	4.6	0.0	0.0	0.0	0.0	0.0	0.0	751.5	807.5	891.4	1031.5	0.0	0.0	10.8	5.6	27.4	2.6
03	51.5	22.0	36.7	5.3	3.0	3.8	1.5	0.6	0.2	0.0	0.0	0.0	567.4	628.5	721.1	875.9	0.0	0.0	19.5	2.7	27.6	0.6
04	58.0	29.0	43.5	3.9	2.8	3.0	10.2	5.1	1.8	0.1	0.0	0.0	355.1	410.0	496.7	645.0	0.0	0.0	23.0	1.0	18.6	0.0
05	67.3	39.5	53.4	4.5	2.0	3.0	88.9	62.9	33.7	8.3	1.0	0.4	138.6	174.5	238.3	367.9	0.0	0.8	28.8	0.0	4.7	0.0
06	79.5	49.3	64.4	3.9	2.6	3.0	295.8	243.1	170.0	73.9	20.8	10.4	13.9	21.2	38.2	92.0	0.4	5.2	29.9	0.0	0.0	0.0
07	86.2	55.4	70.8	3.0	2.1	2.4	490.3	429.2	338.2	195.1	80.6	48.3	0.7	1.6	3.6	15.5	1.4	14.7	31.0	0.0	0.0	0.0
08	84.2	52.7	68.5	2.7	1.9	2.1	420.0	360.4	273.0	139.3	43.9	22.5	3.2	5.5	11.2	32.5	0.5	10.8	31.0	0.0	0.0	0.0
09	76.5	43.2	59.8	3.0	2.1	2.2	192.5	150.7	97.3	35.9	6.6	2.4	47.2	65.3	102.0	190.5	0.0	4.3	29.3	0.0	1.9	0.0
10	62.2	30.5	46.3	4.3	2.8	3.2	22.7	13.0	4.8	0.3	0.0	0.0	290.8	343.1	427.8	578.4	0.0	0.2	26.8	0.5	15.1	0.0
11	49.5	20.3	34.9	5.8	2.9	4.0	0.5	0.2	0.0	0.0	0.0	0.0	603.5	663.2	753.0	903.0	0.0	0.0	16.2	3.7	27.6	0.8
12	40.6	12.8	26.7	3.8	3.4	3.5	0.0	0.0	0.0	0.0	0.0	0.0	877.0	939.0	1031.9	1187.0	0.0	0.0	9.0	7.4	30.7	4.0
Summary	61.5	31.8	46.7	4.2	2.7	3.2	1522	1265	919	453	153	84	4528	5000	5749	7108	2.3	36.0	264.2	28.0	184.4	11.4

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	0.28	3.0	1.0	0.0	0.0	0.10	0.27	0.42	
02	0.40	4.2	1.7	0.1	0.0	0.18	0.42	0.51	
03	0.87	4.9	2.2	0.4	0.1	0.33	0.68	1.15	
04	1.70	7.1	4.3	1.2	0.3	0.78	1.46	2.38	
05	2.82	10.7	6.0	1.6	0.4	1.56	2.35	3.43	
06	2.35	9.0	5.8	1.3	0.5	1.16	2.23	2.75	
07	2.07	9.0	4.8	1.2	0.5	1.09	1.95	2.52	
08	1.77	8.2	4.3	0.9	0.3	1.08	1.68	2.16	
09	1.42	6.8	3.5	0.8	0.2	0.57	1.10	1.81	
10	1.20	5.7	2.8	0.7	0.3	0.57	0.87	2.02	
11	0.50	3.7	1.7	0.1	0.0	0.30	0.47	0.67	
12	0.45	3.7	1.6	0.2	0.0	0.16	0.33	0.63	
Summary	15.83	76.0	39.7	8.5	2.6	7.88	13.81	20.45	

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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	3.50	2.7	1.4	0.4	0.1	0.0	6.1	1.9	0.3	0.0	2.00	3.10	5.00
02	4.60	3.6	2.3	0.3	0.2	0.0	7.0	2.5	1.2	0.1	2.00	4.70	6.00
03	4.80	2.9	2.2	0.4	0.1	0.0	3.2	1.1	0.4	0.0	1.00	4.50	6.50
04	3.90	1.9	1.4	0.5	0.1	0.0	1.9	0.7	0.3	0.0	1.00	3.00	4.50
05	1.00	0.3	0.3	0.2	0.1	0.0	0.3	0.2	0.1	0.0	0.00	0.00	0.70
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	0.30	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
10	1.80	0.7	0.6	0.3	0.1	0.0	0.8	0.4	0.2	0.0	0.00	0.00	4.00
11	4.10	2.4	1.8	0.5	0.1	0.0	3.7	1.0	0.3	0.0	1.90	3.50	5.10
12	5.80	3.3	2.5	0.7	0.3	0.0	7.4	3.0	1.9	0.0	2.10	4.50	8.30
Summary	29.8	18.0	12.7	3.3	1.1	0.0	30.4	10.8	4.7	0.1	10.0	23.3	40.1

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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	9.8	15.4	81.2	173.1	424.4	731.9	954.5	881.8	597.4	244.5	66.5	10.6
45	1.8	4.0	31.7	88.4	289.2	582.5	799.6	726.9	451.4	139.6	25.1	2.3
50	0.2	0.7	8.6	35.8	175.8	435.6	644.6	572.4	313.5	65.6	5.6	0.4
55	0.0	0.0	1.5	10.2	88.9	295.8	490.3	420.0	192.5	22.7	0.5	0.0
60	0.0	0.0	0.2	1.8	33.7	170.0	338.2	273.0	97.3	4.8	0.0	0.0
Growing Degree Units for Corn (Monthly)												
50/86	23.4	32.9	100.7	156.1	277.4	452.8	597.9	553.6	394.8	212.2	87.1	26.2

Growing Degree Units (Accumulated Monthly)												
40	10	25	106	280	704	1436	2390	3272	3870	4114	4180	4191
45	2	6	38	126	415	998	1797	2524	2976	3115	3140	3142
50	0	1	10	45	221	657	1301	1874	2187	2253	2258	2259
55	0	0	2	12	101	396	887	1307	1499	1522	1522	1522
60	0	0	0	2	36	206	544	817	914	919	919	919
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	23	56	157	313	590	1043	1641	2195	2590	2802	2889	2915

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