

Summary of Monthly Normals 1991-2020

Generated on 09/16/2021

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	0.6	-17.2	-8.3	8.8	8.0	8.3	0.0	0.0	0.0	0.0	0.0	0.0	1962.1	2024.1	2117.1	2272.1	0.0	0.0	0.0	29.8	31.0	25.7
02	11.6	-11.2	0.2	6.3	6.7	6.4	0.0	0.0	0.0	0.0	0.0	0.0	1534.4	1590.4	1674.4	1814.4	0.0	0.0	0.0	26.1	28.0	21.2
03	24.9	-3.4	10.7	6.9	7.8	7.1	0.0	0.0	0.0	0.0	0.0	0.0	1371.6	1433.6	1526.6	1681.6	0.0	0.0	0.7	21.3	30.9	18.2
04	45.6	21.7	33.7	5.3	5.1	5.1	0.6	0.3	0.0	0.0	0.0	0.0	641.1	700.8	790.6	940.5	0.0	0.0	11.8	4.2	26.4	2.0
05	62.1	38.6	50.3	4.1	3.0	3.4	33.1	19.5	7.9	1.1	0.0	0.0	177.2	225.7	307.1	455.2	0.0	0.0	27.8	0.2	6.2	0.0
06	71.8	50.2	61.0	2.7	2.1	2.2	193.6	145.2	86.2	26.8	5.6	2.7	13.7	25.3	56.3	146.8	0.0	0.2	30.0	0.0	0.1	0.0
07	72.7	53.1	62.9	2.6	1.4	1.8	250.2	193.5	117.6	32.9	4.0	1.0	5.3	10.6	27.7	98.0	0.0	0.1	31.0	0.0	0.0	0.0
08	66.4	47.6	57.0	3.3	2.2	2.6	104.7	69.8	33.5	7.4	0.6	0.2	42.7	69.8	126.5	255.4	0.0	0.1	30.8	0.0	0.2	0.0
09	55.3	36.2	45.8	4.6	3.7	4.0	6.4	2.6	0.6	0.1	0.0	0.0	283.9	340.1	428.1	577.6	0.0	0.0	22.1	0.3	9.3	0.0
10	34.1	18.4	26.2	6.1	6.1	6.0	0.2	0.1	0.0	0.0	0.0	0.0	891.4	953.3	1046.3	1201.3	0.0	0.0	3.1	14.2	28.8	2.8
11	12.3	-4.1	4.1	7.3	7.6	7.4	0.0	0.0	0.0	0.0	0.0	0.0	1526.9	1586.9	1676.9	1826.9	0.0	0.0	0.0	27.9	30.0	18.2
12	4.3	-13.0	-4.3	6.9	6.6	6.7	0.0	0.0	0.0	0.0	0.0	0.0	1839.9	1901.9	1994.9	2149.9	0.0	0.0	0.0	30.1	31.0	25.6
Summary	38.5	18.1	28.3	5.4	5.0	5.1	589	431	246	68	10	4	10290	10863	11773	13420	0.0	0.4	157.3	154.1	221.9	113.7

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	0.61	8.7	2.1	0.1	0.0	0.24	0.45	0.85
02	0.52	6.9	1.6	0.1	0.0	0.19	0.37	0.67
03	0.40	5.7	0.8	0.1	0.0	0.14	0.22	0.49
04	0.34	3.7	1.2	0.0	0.0	0.05	0.12	0.38
05	0.54	6.2	1.5	0.1	0.0	0.19	0.46	0.74
06	1.48	10.8	4.5	0.4	0.1	0.74	1.38	1.91
07	2.26	12.8	5.5	1.1	0.3	1.09	2.03	3.03
08	2.10	13.5	6.1	1.0	0.1	1.54	2.03	2.64
09	1.35	10.7	3.9	0.5	0.0	0.75	1.24	1.70
10	0.76	9.8	2.7	0.1	0.0	0.47	0.66	0.91
11	0.74	9.5	2.4	0.1	0.0	0.27	0.53	1.26
12	0.57	8.8	1.6	0.1	0.0	0.33	0.47	0.75
Summary	11.67	107.1	33.9	3.7	0.5	6.00	9.96	15.33

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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	10.2	10.2	3.2	0.8	0.2	0.0	31.0	31.0	31.0	27.6	4.7	8.8	13.5
02	10.0	8.3	2.8	0.9	0.3	0.1	28.5	28.5	28.5	27.9	4.4	7.9	13.5
03	6.5	6.7	1.9	0.4	0.2	0.0	31.0	31.0	31.0	30.8	2.8	3.6	7.6
04	3.1	2.6	1.1	0.2	0.0	0.0	21.9	20.7	19.6	14.8	0.0	1.3	3.6
05	0.9	0.6	0.2	0.1	0.0	0.0	1.0	0.8	0.7	0.4	0.0	0.0	0.1
06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
08	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
09	2.3	1.3	0.6	0.3	0.1	0.0	1.0	0.7	0.7	0.2	0.0	0.1	1.2
10	8.2	8.3	3.3	0.4	0.0	0.0	15.2	8.5	4.7	0.6	4.6	7.1	12.2
11	12.5	11.2	4.4	0.9	0.2	0.0	29.3	26.2	20.1	7.7	4.5	10.5	18.2
12	10.9	10.4	3.5	0.6	0.2	0.0	31.0	31.0	30.0	21.1	6.8	9.4	13.9
Summary	64.6	59.6	21.0	4.6	1.2	0.1	189.9	178.4	166.3	131.1	27.8	48.7	83.8

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Growing Degree Units (Monthly)												
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0.0	0.0	0.0	49.3	331.8	630.0	709.9	526.9	208.2	13.3	0.0	0.0
45	0.0	0.0	0.0	15.8	197.3	480.3	554.9	372.8	104.1	3.9	0.0	0.0
50	0.0	0.0	0.0	3.8	93.7	332.4	400.2	225.0	35.4	0.9	0.0	0.0
55	0.0	0.0	0.0	0.6	33.1	193.6	250.2	104.7	6.4	0.2	0.0	0.0
60	0.0	0.0	0.0	0.0	7.9	86.2	117.6	33.5	0.6	0.0	0.0	0.0
Growing Degree Units for Corn (Monthly)												
50/86	0.0	0.0	0.5	40.5	197.6	361.0	409.1	272.7	108.0	8.2	0.0	0.0

Growing Degree Units (Accumulated Monthly)												
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	0	0	49	381	1011	1721	2248	2456	2469	2469	2469
45	0	0	0	16	213	693	1248	1621	1725	1729	1729	1729
50	0	0	0	4	98	430	830	1055	1090	1091	1091	1091
55	0	0	0	1	34	227	478	582	589	589	589	589
60	0	0	0	0	8	94	212	245	246	246	246	246
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	0	0	0	41	239	600	1009	1281	1389	1398	1398	1398

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

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