

Summary of Monthly Normals 1991-2020

Generated on 10/16/2021

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	40.1	25.6	32.9	3.6	4.0	3.7	0.2	0.0	0.0	0.0	0.0	0.0	686.8	748.6	841.6	996.6	0.0	0.0	5.1	6.1	24.3	0.1
02	41.5	26.8	34.1	3.5	3.6	3.5	0.0	0.0	0.0	0.0	0.0	0.0	583.8	639.8	723.8	863.8	0.0	0.0	4.4	4.1	21.4	0.1
03	46.4	31.7	39.0	2.8	3.0	2.8	0.8	0.3	0.1	0.0	0.0	0.0	495.2	556.8	649.5	804.4	0.0	0.0	10.6	1.1	17.7	0.0
04	55.4	39.5	47.5	2.3	1.8	2.0	9.7	5.1	2.0	0.5	0.0	0.0	236.2	291.6	378.5	526.9	0.0	0.0	24.1	0.0	4.3	0.0
05	64.9	48.6	56.7	2.3	1.8	1.9	101.6	68.4	33.4	6.7	0.6	0.2	47.4	76.2	134.1	262.5	0.0	0.1	30.7	0.0	0.3	0.0
06	73.8	57.6	65.7	1.8	1.4	1.5	323.0	265.5	184.3	76.0	17.4	7.8	2.0	4.5	13.3	54.9	0.0	0.2	30.0	0.0	0.0	0.0
07	80.4	64.2	72.3	2.1	2.1	2.0	536.2	474.3	381.3	229.2	98.0	59.3	0.0	0.0	0.1	3.0	0.0	1.2	31.0	0.0	0.0	0.0
08	79.9	63.9	71.9	2.0	2.0	1.9	523.9	461.9	369.0	216.6	90.0	54.0	0.0	0.0	0.1	2.8	0.0	0.5	31.0	0.0	0.0	0.0
09	74.0	58.4	66.2	1.6	1.7	1.5	338.8	281.3	199.6	88.2	23.6	11.2	2.8	5.3	13.6	52.3	0.0	0.1	30.0	0.0	0.0	0.0
10	64.0	48.2	56.1	1.9	2.3	1.9	104.3	72.3	37.6	8.4	0.6	0.1	70.2	100.2	158.5	284.2	0.0	0.0	30.3	0.0	1.0	0.0
11	54.4	39.7	47.0	2.7	3.0	2.7	16.8	8.6	2.3	0.0	0.0	0.0	255.3	307.2	390.8	538.6	0.0	0.0	22.3	0.2	7.8	0.0
12	45.5	31.3	38.4	3.6	3.6	3.5	0.7	0.2	0.0	0.0	0.0	0.0	515.3	576.7	669.6	824.6	0.0	0.0	10.9	2.1	18.7	0.0
Summary	60.0	44.6	52.3	2.5	2.5	2.4	1956	1638	1210	626	230	133	2895	3307	3974	5215	0.0	2.1	260.4	13.6	95.5	0.2

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	4.10	11.9	7.4	3.1	0.9	3.00	3.81	5.40
02	3.57	9.8	6.9	2.7	0.7	2.42	3.18	4.45
03	4.80	11.4	7.8	3.3	1.3	3.42	4.59	6.44
04	4.18	11.9	7.1	2.7	1.2	2.58	4.35	5.38
05	3.74	12.0	6.4	2.4	0.9	2.66	3.49	4.60
06	3.39	10.2	5.8	2.2	0.9	1.84	3.10	4.26
07	2.64	7.8	4.4	1.7	1.0	2.01	2.73	3.40
08	3.72	8.9	5.5	2.5	1.1	1.50	3.97	5.03
09	3.89	9.3	5.1	2.6	1.0	2.17	3.37	4.47
10	4.63	11.2	7.1	3.2	1.5	2.32	4.34	7.24
11	4.21	11.4	6.8	2.8	1.2	2.44	3.75	4.60
12	4.84	12.1	8.7	3.6	1.2	3.22	4.83	6.13
Summary	47.71	127.9	79.0	32.8	12.9	29.58	45.51	61.40

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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	8.8	3.5	2.4	0.9	0.4	0.1	6.4	3.1	1.7	0.9	3.6	7.0	10.5
02	8.1	3.3	2.4	1.1	0.6	0.1	7.1	5.3	4.1	1.7	1.5	5.5	13.7
03	4.7	2.0	1.6	0.6	0.2	0.0	3.1	1.9	0.9	0.3	1.0	4.0	8.5
04	0.3	0.2	0.2	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0
05	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
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	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
10	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
11	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	3.4	1.4	1.1	0.5	0.2	0.0	2.7	1.5	0.4	0.0	0.0	2.5	6.7
Summary	25.3	10.5	7.7	3.1	1.4	0.2	19.5	11.8	7.1	2.9	6.1	19.0	39.4

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Growing Degree Units (Monthly)												
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	29.6	25.6	70.4	232.3	519.3	771.0	1001.2	988.9	786.0	499.5	236.4	80.4
45	6.8	5.1	20.3	114.2	364.9	621.0	846.2	833.9	636.0	349.2	128.7	30.6
50	1.1	0.3	3.7	40.8	217.9	471.1	691.2	678.8	486.3	212.4	56.1	7.8
55	0.2	0.0	0.8	9.7	101.6	323.0	536.2	523.9	338.8	104.3	16.8	0.7
60	0.0	0.0	0.1	2.0	33.4	184.3	381.3	369.0	199.6	37.6	2.3	0.0
Growing Degree Units for Corn (Monthly)												
50/86	7.4	7.0	23.5	95.6	256.9	474.1	686.0	676.0	493.7	257.6	95.0	25.4

Growing Degree Units (Accumulated Monthly)												
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	30	55	126	358	877	1648	2649	3638	4424	4924	5160	5241
45	7	12	32	146	511	1132	1978	2812	3448	3798	3926	3957
50	1	1	5	46	264	735	1426	2105	2591	2804	2860	2868
55	0	0	1	11	112	435	972	1495	1834	1938	1955	1956
60	0	0	0	2	36	220	601	970	1170	1207	1210	1210
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	7	14	38	134	390	864	1550	2226	2720	2978	3073	3098

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

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