

Summary of Monthly Normals
1991-2020

Generated on 05/20/2024

Current Location: Elev: 1350 ft. Lat: 40.0739° N Lon: 97.1669° W
Station: FAIRBURY 5S, NE US USC00252820

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	36.1	14.1	25.1	5.2	3.9	4.3	0.0	0.0	0.0	0.0	0.0	0.0	926.6	988.7	1081.7	1236.7	0.0	0.0	6.0	12.1	30.2	4.6
02	41.1	17.7	29.4	6.8	5.3	5.8	1.4	0.8	0.2	0.0	0.0	0.0	717.9	773.4	856.9	996.7	0.0	0.0	9.0	8.5	25.7	2.5
03	53.1	27.5	40.3	5.8	4.7	4.9	17.6	11.8	5.6	1.1	0.0	0.0	473.4	529.6	616.4	766.9	0.0	0.0	18.6	2.2	21.5	0.6
04	63.8	37.6	50.7	3.9	3.6	3.6	65.5	46.7	26.5	7.5	1.2	0.3	194.5	235.6	305.5	436.5	0.0	0.2	25.6	0.1	8.8	0.0
05	73.6	49.3	61.5	3.7	2.7	3.0	238.5	193.9	135.6	62.7	21.0	12.1	38.5	55.9	90.7	172.7	0.0	1.7	30.6	0.0	1.0	0.0
06	83.8	60.0	71.9	3.0	2.5	2.6	507.8	448.7	361.6	225.7	114.4	80.7	1.0	1.9	4.8	18.9	0.2	8.1	30.0	0.0	0.0	0.0
07	88.4	64.8	76.6	3.5	2.6	2.8	669.4	607.4	514.5	362.0	219.4	168.6	0.0	0.0	0.0	2.6	2.5	14.6	31.0	0.0	0.0	0.0
08	86.4	62.5	74.5	3.2	2.7	2.7	602.8	541.0	448.8	298.6	166.6	122.9	0.0	0.2	1.0	5.7	1.4	11.6	31.0	0.0	0.0	0.0
09	79.5	53.2	66.4	3.5	3.8	3.4	352.7	299.7	227.6	127.6	59.5	40.4	12.3	19.3	37.3	87.2	0.2	4.9	29.9	0.0	0.2	0.0
10	66.9	40.2	53.6	4.1	2.5	3.0	104.8	78.3	46.7	15.9	4.2	2.2	149.7	185.2	246.6	370.9	0.0	0.5	28.4	0.2	6.6	0.0
11	52.0	27.7	39.8	6.1	4.1	4.8	11.8	7.3	3.2	0.4	0.0	0.0	466.3	521.8	607.7	754.9	0.0	0.0	18.1	2.5	20.6	0.0
12	39.8	18.2	29.0	4.8	4.5	4.4	0.2	0.2	0.1	0.0	0.0	0.0	806.0	868.0	960.9	1115.8	0.0	0.0	8.2	9.2	29.6	1.6
Summary	63.7	39.4	51.6	4.5	3.6	3.8	2572	2236	1770	1102	586	427	3786	4180	4810	5966	4.3	41.6	266.4	34.8	144.2	9.3

Empty or blank cells indicate data is missing or insufficient occurrences to compute value

U.S. Department of Commerce
National Oceanic & Atmospheric Administration
National Environmental Satellite, Data, and Information Service

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National Centers for Environmental Information
151 Patton Avenue
Asheville, North Carolina 28801

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	0.77	5.0	2.4	0.3	0.0	0.36	0.76	1.12
02	0.96	5.2	2.6	0.5	0.0	0.56	0.83	1.20
03	1.70	6.9	4.0	1.1	0.3	1.02	1.52	2.38
04	2.96	9.8	6.0	1.9	0.5	1.98	2.95	3.66
05	5.10	11.7	7.6	3.3	1.6	2.76	4.17	7.54
06	5.00	9.9	6.7	3.2	1.6	2.88	4.70	6.80
07	4.33	9.4	6.1	2.6	1.2	2.30	3.60	4.98
08	3.55	8.6	5.5	2.3	1.1	2.19	3.43	4.44
09	3.10	7.5	4.9	2.0	0.9	2.06	3.06	3.85
10	2.39	6.7	4.2	1.7	0.6	0.95	1.99	3.45
11	1.45	5.4	3.1	0.7	0.3	0.61	1.10	1.85
12	1.08	4.8	2.3	0.7	0.2	0.30	0.78	1.67
Summary	32.39	90.9	55.4	20.3	8.3	17.97	28.89	42.94

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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	5.70	3.2	2.1	0.8	0.4	0.0	11.6	6.8	3.7	0.8	2.40	3.10	8.00
02	5.60	3.1	2.0	0.7	0.2	0.0	8.2	5.1	2.3	0.8	1.20	6.00	8.50
03	2.40	1.4	1.0	0.2	0.1	0.0	2.8	1.4	0.9	0.2	0.00	1.00	3.50
04	0.80	0.4	0.3	0.1	0.1	0.0	0.4	0.2	0.1	0.0	0.00	0.00	0.00
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	0.2	0.1	0.0	0.0	0.0	0.3	0.1	0.1	0.0	0.00	0.00	0.00
11	2.40	1.2	0.9	0.3	0.1	0.0	1.9	1.0	0.5	0.0	0.00	0.50	3.00
12	3.40	2.3	1.5	0.5	0.1	0.0	6.4	3.2	1.7	0.3	0.30	2.00	4.40
Summary	20.7	11.8	7.9	2.6	1.0	0.0	31.6	17.8	9.3	2.1	3.9	12.6	27.4

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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	9.9	33.3	150.4	346.1	665.2	956.8	1134.4	1067.8	790.4	436.1	128.4	17.6
45	1.8	13.6	83.7	227.4	512.4	806.8	979.4	912.8	640.9	302.9	67.6	4.4
50	0.1	4.8	41.4	132.6	367.2	656.8	824.3	757.7	493.8	190.5	31.3	0.7
55	0.0	1.4	17.6	65.5	238.5	507.8	669.4	602.8	352.7	104.8	11.8	0.2
60	0.0	0.2	5.6	26.5	135.6	361.6	514.5	448.8	227.6	46.7	3.2	0.1
Growing Degree Units for Corn (Monthly)												
50/86	16.1	37.2	121.4	226.7	408.5	629.2	757.6	709.1	506.0	284.3	99.7	22.2

Growing Degree Units (Accumulated Monthly)												
40	10	43	194	540	1205	2162	3296	4364	5154	5590	5719	5736
45	2	15	99	326	839	1646	2625	3538	4179	4482	4549	4554
50	0	5	46	179	546	1203	2027	2785	3279	3469	3500	3501
55	0	1	19	84	323	831	1500	2103	2456	2560	2572	2572
60	0	0	6	32	168	530	1044	1493	1720	1767	1770	1770
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	16	53	175	401	810	1439	2197	2906	3412	3696	3796	3818

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