

Summary of Monthly Normals
1981-2010

Generated on 06/04/2024

Current Location: Elev: 1220 ft. Lat: 36.6736° N Lon: 84.4791° W

Station: STEARNS 2 S, KY US USC00157677

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	45.0	23.1	34.0	4.7	4.6	4.5	3	1	-7777	-7777	-7777	0	652	713	805	959	0.0	0.0	10.9	4.5	24.2	1.2
02	49.1	25.5	37.3	4.0	3.7	3.5	5	3	1	-7777	0	0	500	554	636	776	0.0	0.0	14.1	2.4	22.2	0.3
03	58.9	31.9	45.4	3.9	2.9	3.0	24	15	7	1	-7777	-7777	322	375	459	608	0.0	0.0	23.2	0.5	17.2	0.1
04	68.2	39.1	53.7	3.6	2.9	3.0	91	66	37	10	1	-7777	132	167	228	350	0.0	0.1	28.1	-7777	7.8	0.0
05	76.2	48.5	62.3	3.5	3.8	3.3	250	201	137	56	13	5	23	35	64	138	0.0	0.1	31.0	0.0	0.9	0.0
06	83.0	57.7	70.4	3.5	3.5	3.0	462	403	317	182	74	43	1	3	6	22	0.0	2.0	30.0	0.0	0.0	0.0
07	85.9	62.1	74.0	2.8	2.6	2.2	589	527	434	280	138	89	-7777	-7777	-7777	1	0.0	5.8	31.0	0.0	0.0	0.0
08	85.2	60.7	73.0	3.4	3.1	3.0	556	495	402	251	118	76	-7777	-7777	1	5	-7777	5.3	31.0	0.0	0.0	0.0
09	79.3	52.8	66.1	3.1	2.6	2.3	340	286	210	104	34	17	9	15	28	73	0.0	1.4	30.0	0.0	0.2	0.0
10	69.2	40.1	54.6	3.0	5.1	3.5	102	74	41	12	2	1	113	147	207	332	0.0	-7777	30.1	0.0	7.7	0.0
11	58.1	32.4	45.3	5.1	3.8	3.9	22	13	5	-7777	-7777	0	314	365	447	593	0.0	0.0	22.1	0.3	16.6	0.0
12	47.0	25.4	36.2	5.4	4.4	4.7	6	4	2	-7777	-7777	0	588	648	739	893	0.0	0.0	12.4	3.1	23.4	0.5
Summary	67.1	41.6	54.4	3.8	3.6	3.3	2450	2088	1593	896	380	231	2654	3022	3620	4750	0.0	14.7	293.9	10.8	120.2	2.1

-7777: a non-zero value that would round to zero

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	4.44	10.2	7.1	2.9	1.0	3.33	4.46	5.87
02	4.18	10.9	7.4	2.8	1.0	3.20	3.90	5.09
03	4.27	9.8	7.0	3.3	1.2	3.06	3.61	5.73
04	4.05	10.0	7.4	3.1	1.2	2.57	3.96	5.21
05	5.58	11.6	8.4	3.7	1.4	3.87	5.42	6.60
06	4.64	9.3	7.0	3.3	1.6	3.13	4.84	5.42
07	5.18	10.4	7.7	3.5	1.4	3.57	5.31	6.61
08	3.85	8.1	6.0	2.4	1.0	2.29	3.74	5.18
09	3.67	7.3	5.0	2.3	1.3	1.83	2.59	5.54
10	3.15	7.6	5.1	2.3	0.9	1.93	2.50	4.57
11	4.11	8.9	7.1	3.1	1.0	3.01	3.73	5.13
12	5.29	11.0	7.9	3.3	1.5	3.35	4.47	6.24
Summary	52.41	115.1	83.1	36.0	14.5	35.14	48.53	67.19

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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	3.4	1.7	1.2	0.4	0.2	-7777	3.9	1.3	0.6	0.1	0.0	1.3	7.0
02	2.7	1.4	1.0	0.3	0.2	-7777	2.8	1.1	0.8	0.3	0.0	0.5	2.4
03	0.7	0.4	0.2	0.1	-7777	0.0	0.5	0.2	0.1	0.1	0.0	0.0	0.8
04	0.3	0.2	0.1	-7777	0.0	0.0	0.1	0.1	-7777	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	0.1	0.1	-7777	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
12	2.0	0.7	0.7	0.2	-7777	0.0	2.1	0.8	0.3	0.0	0.0	0.0	3.5
Summary	9.2	4.5	3.2	1.0	0.4	0.0	9.5	3.5	1.8	0.5	0.0	1.8	13.7

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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	62	77	223	418	693	910	1054	1021	781	458	209	81
45	28	37	129	286	538	760	899	866	632	317	120	39
50	10	15	63	175	388	611	744	711	483	194	58	16
55	3	5	24	91	250	462	589	556	340	102	22	6
60	-7777	1	7	37	137	317	434	402	210	41	5	2
Growing Degree Units for Corn (Monthly)												
50/86	42	63	168	285	450	605	716	686	509	314	150	54

Growing Degree Units (Accumulated Monthly)												
40	62	139	362	780	1473	2383	3437	4458	5239	5697	5906	5987
45	28	65	194	480	1018	1778	2677	3543	4175	4492	4612	4651
50	10	25	88	263	651	1262	2006	2717	3200	3394	3452	3468
55	3	8	32	123	373	835	1424	1980	2320	2422	2444	2450
60	0	1	8	45	182	499	933	1335	1545	1586	1591	1593
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	42	105	273	558	1008	1613	2329	3015	3524	3838	3988	4042

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