

Summary of Monthly Normals
1981-2010
Generated on 02/28/2018

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	45.6	28.3	36.9	5.1	4.6	4.7	8	5	2	-7777	0	0	567	626	716	869	0.0	0.0	11.3	3.8	19.1	0.6
02	51.0	31.7	41.4	4.2	3.6	3.7	14	9	4	1	-7777	0	396	447	527	663	0.0	0.0	15.0	1.4	14.2	0.2
03	60.8	39.1	50.0	3.7	3.4	3.4	69	51	29	9	1	-7777	226	269	340	475	0.0	0.0	25.3	0.2	8.8	0.0
04	71.4	47.3	59.4	3.3	2.8	2.9	191	152	103	44	12	6	60	82	123	213	0.0	-7777	29.5	0.0	2.4	0.0
05	78.8	55.3	67.1	3.1	3.9	3.3	379	322	242	131	52	30	6	11	23	67	0.0	0.8	31.0	0.0	0.1	0.0
06	85.7	63.9	74.8	2.7	2.4	2.3	594	534	445	299	167	121	-7777	-7777	1	5	0.1	6.9	30.0	0.0	0.0	0.0
07	88.8	68.0	78.4	2.2	1.8	1.7	725	663	570	415	262	203	0	0	0	-7777	0.2	13.0	31.0	0.0	0.0	0.0
08	88.2	66.5	77.4	3.3	2.2	2.5	693	631	538	384	235	179	0	0	-7777	1	0.3	12.2	31.0	0.0	0.0	0.0
09	82.5	59.3	70.9	3.5	2.5	2.7	479	421	337	208	102	70	2	4	10	31	0.0	4.1	30.0	0.0	0.0	0.0
10	71.7	48.5	60.1	2.9	3.4	2.8	206	163	110	46	12	6	48	67	107	198	0.0	-7777	30.6	0.0	1.5	0.0
11	59.9	40.2	50.1	4.1	3.5	3.6	66	48	27	7	1	-7777	214	256	325	456	0.0	0.0	24.0	-7777	7.5	0.0
12	48.3	31.1	39.7	5.1	5.4	5.1	12	7	3	-7777	0	0	486	543	632	785	0.0	0.0	14.3	1.9	16.9	0.3
Summary	69.4	48.3	58.9	3.6	3.3	3.2	3436	3006	2410	1544	844	615	2005	2305	2804	3763	0.6	37.0	303.0	7.3	70.5	1.1

-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	3.45	9.7	6.3	2.6	0.8	2.08	3.42	4.80
02	3.93	9.6	6.0	2.7	1.2	2.59	3.65	4.20
03	4.62	12.4	8.3	3.1	1.3	2.98	3.71	5.66
04	4.40	11.8	7.7	2.8	1.4	2.44	4.27	6.02
05	5.42	11.7	8.1	3.8	1.6	3.33	4.41	5.63
06	4.39	10.3	7.4	3.2	1.3	2.94	4.05	5.60
07	4.57	9.6	6.8	3.4	1.4	3.44	4.58	5.49
08	4.09	9.0	5.5	2.7	1.3	2.63	3.78	5.56
09	4.01	8.0	5.5	2.7	1.2	2.41	3.18	6.02
10	3.81	8.8	5.3	2.5	1.1	1.87	3.44	5.25
11	4.33	10.0	6.7	3.2	1.4	3.21	4.07	5.06
12	5.16	11.5	7.9	3.4	1.6	3.01	4.60	6.85
Summary	52.18	122.4	81.5	36.1	15.6	32.93	47.16	66.14

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U.S. Department of Commerce
National Oceanic & Atmospheric Administration
National Environmental Satellite, Data, and Information Service
Current Location: Elev: 760 ft. Lat: 37.1318° N Lon: -86.1481° W
Station: **MAMMOTH CAVE, KY US USC00155097**

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

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	1.6	0.8	0.6	0.3	0.2	0.0	2.3	1.5	0.5	0.1	0.0	0.0	0.9
02	1.7	1.0	0.8	0.3	0.1	0.0	1.4	0.9	0.6	0.0	0.0	0.0	2.0
03	0.4	0.4	0.2	0.1	-7777	0.0	0.4	0.2	0.1	0.0	0.0	0.0	0.0
04	0.1	-7777	-7777	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	1.7	0.6	0.5	0.2	0.1	0.0	0.7	0.4	0.1	0.0	0.0	0.0	3.0
Summary	5.5	2.8	2.1	0.9	0.4	0.0	4.8	3.0	1.3	0.1	0.0	0.0	5.9

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Growing Degree Units (Monthly)												
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	98	140	339	582	839	1044	1190	1158	927	624	327	129
45	50	75	224	438	684	894	1035	1003	777	473	216	69
50	22	35	132	305	529	744	880	848	627	331	128	31
55	8	14	69	191	379	594	725	693	479	206	66	12
60	2	4	29	103	242	445	570	538	337	110	27	3
Growing Degree Units for Corn (Monthly)												
50/86	50	80	202	366	550	714	824	795	619	390	185	63

Growing Degree Units (Accumulated Monthly)												
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	98	238	577	1159	1998	3042	4232	5390	6317	6941	7268	7397
45	50	125	349	787	1471	2365	3400	4403	5180	5653	5869	5938
50	22	57	189	494	1023	1767	2647	3495	4122	4453	4581	4612
55	8	22	91	282	661	1255	1980	2673	3152	3358	3424	3436
60	2	6	35	138	380	825	1395	1933	2270	2380	2407	2410
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	50	130	332	698	1248	1962	2786	3581	4200	4590	4775	4838

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