

Summary of Monthly Normals
1991-2020

Generated on 06/02/2024

Current Location: Elev: 517 ft. Lat: 36.1033° N Lon: 87.1153° W
Station: KINGSTON SPRINGS, TN US USC00404876

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	49.5	26.7	38.1	4.4	4.7	4.4	9.3	5.4	2.0	0.1	0.0	0.0	533.0	591.1	680.7	833.9	0.0	0.0	13.8	4.0	22.2	0.3
02	53.9	28.8	41.4	5.0	4.4	4.5	13.8	9.0	4.4	1.0	0.1	0.0	395.9	447.1	526.5	663.1	0.0	0.0	16.2	1.9	19.4	0.1
03	63.4	35.8	49.6	4.7	3.9	4.1	63.0	45.4	26.4	8.1	1.6	0.6	230.4	274.8	348.8	485.5	0.0	0.0	26.0	0.2	12.9	0.0
04	73.3	44.2	58.8	2.9	3.3	2.9	179.7	142.6	95.5	39.2	9.6	4.3	67.2	90.1	133.0	226.7	0.0	0.1	29.1	0.0	3.8	0.0
05	80.7	54.2	67.4	2.8	3.4	2.8	391.6	334.7	254.7	142.0	57.7	34.1	5.7	10.8	23.8	66.0	0.0	1.8	31.0	0.0	0.0	0.0
06	87.6	63.0	75.3	2.3	2.4	2.1	608.9	549.0	459.4	313.1	177.5	129.6	0.0	0.1	0.5	4.1	0.1	9.2	30.0	0.0	0.0	0.0
07	90.8	67.2	79.0	2.4	2.3	2.1	743.9	681.9	588.9	434.0	280.8	221.7	0.0	0.0	0.0	0.0	0.3	17.2	31.0	0.0	0.0	0.0
08	90.7	65.4	78.0	3.4	2.6	2.6	714.4	652.4	559.4	404.9	254.2	197.0	0.0	0.0	0.0	0.5	0.9	14.9	31.0	0.0	0.0	0.0
09	85.2	57.8	71.5	2.9	2.9	2.4	496.0	437.4	351.5	219.5	111.6	77.2	1.2	2.5	6.6	24.6	0.1	7.4	30.0	0.0	0.0	0.0
10	74.7	45.0	59.9	2.7	3.1	2.3	199.8	158.1	106.4	45.4	14.1	8.1	49.4	69.7	111.1	205.1	0.0	0.6	30.8	0.0	3.2	0.0
11	62.6	34.8	48.7	4.8	3.5	3.8	47.3	33.4	18.1	4.8	0.6	0.2	236.2	282.3	357.0	493.7	0.0	0.0	24.9	0.2	14.5	0.0
12	52.6	29.3	40.9	4.2	3.8	3.8	12.9	8.3	3.8	0.5	0.0	0.0	448.3	505.7	594.2	745.9	0.0	0.0	17.1	1.4	20.2	0.0
Summary	72.1	46.0	59.0	3.5	3.4	3.1	3481	3058	2470	1613	908	673	1967	2274	2782	3749	1.4	51.2	310.9	7.7	96.2	0.4

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	3.91	11.0	7.0	3.0	1.0	2.75	3.81	4.81
02	4.19	11.1	7.4	3.6	1.6	2.39	3.71	4.29
03	4.84	11.9	8.2	3.6	1.5	3.38	4.42	5.18
04	4.77	11.3	7.6	3.4	1.4	3.02	4.12	6.92
05	5.43	12.1	8.4	3.6	1.4	3.66	4.83	6.47
06	3.97	9.9	6.7	2.7	0.9	2.44	3.44	5.18
07	4.36	10.7	7.1	3.0	1.3	3.12	4.31	5.16
08	3.32	8.3	5.1	2.4	1.0	1.69	2.65	4.84
09	3.92	8.2	5.3	2.4	1.1	1.83	3.08	4.92
10	3.43	8.9	5.3	2.4	1.2	2.01	3.31	4.47
11	3.61	10.0	6.7	2.6	1.1	2.26	3.50	4.83
12	4.80	12.0	7.6	3.6	1.5	3.68	4.66	6.00
Summary	50.55	125.4	82.4	36.3	15.0	32.23	45.84	63.07

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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	0.20	0.4	0.2	0.0	0.0	0.0					0.00	0.00	0.00
02	0.80	1.4	0.2	0.0	0.0	0.0					0.00	0.00	0.80
03	0.00	0.2	0.2	0.1	0.1	0.0					0.00	0.00	0.00
04	0.00	0.0	0.0	0.0	0.0	0.0					0.00	0.00	0.00
05	0.00	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					0.00	0.00	0.00
07	0.00	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					0.00	0.00	0.00
09	0.00	0.0	0.0	0.0	0.0	0.0					0.00	0.00	0.00
10	0.00	0.0	0.0	0.0	0.0	0.0					0.00	0.00	0.00
11	0.00	0.0	0.0	0.0	0.0	0.0					0.00	0.00	0.00
12	0.40	0.2	0.1	0.0	0.0	0.0					0.00	0.00	0.00
Summary	1.4	2.2	0.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8

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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	107.4	136.8	327.7	564.8	850.9	1058.8	1208.8	1179.3	944.8	616.8	291.2	139.1
45	53.3	73.7	212.8	422.4	695.9	908.8	1053.8	1024.3	794.8	465.7	181.8	74.1
50	25.0	33.6	123.9	290.4	541.4	758.9	898.9	869.4	644.9	323.6	99.5	33.9
55	9.3	13.8	63.0	179.7	391.6	608.9	743.9	714.4	496.0	199.8	47.3	12.9
60	2.0	4.4	26.4	95.5	254.7	459.4	588.9	559.4	351.5	106.4	18.1	3.8
Growing Degree Units for Corn (Monthly)												
50/86	76.7	106.1	231.0	377.4	555.7	710.9	815.8	786.4	619.5	412.5	210.4	96.8
Growing Degree Units (Accumulated Monthly)												
40	107	244	572	1137	1988	3046	4255	5434	6379	6996	7287	7426
45	53	127	340	762	1458	2367	3421	4445	5240	5706	5887	5961
50	25	59	182	473	1014	1773	2672	3542	4186	4510	4610	4643
55	9	23	86	266	657	1266	2010	2725	3221	3420	3468	3481
60	2	6	33	128	383	842	1431	1991	2342	2449	2467	2470
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	77	183	414	791	1347	2058	2874	3660	4280	4692	4902	4999

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