

Summary of Monthly Normals
1991-2020

Generated on 04/27/2024

Current Location: Elev: 1160 ft. Lat: 37.3542° N Lon: 84.3369° W
Station: MT VERNON, KY US USC00155648

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	42.3	24.5	33.4	4.5	5.0	4.6	4.9	3.1	1.4	0.1	0.0	0.0	674.3	734.5	825.8	979.5	0.0	0.0	9.6	7.8	23.8	1.0
02	46.6	27.3	37.0	5.0	4.7	4.8	6.4	3.7	1.4	0.2	0.0	0.0	511.8	565.0	646.8	785.6	0.0	0.0	11.9	4.8	20.9	0.3
03	55.6	34.6	45.1	4.9	4.0	4.4	38.0	26.8	14.6	3.6	0.3	0.1	344.9	395.6	476.5	620.5	0.0	0.0	21.0	1.2	14.3	0.1
04	67.0	43.8	55.4	2.9	2.8	2.7	133.7	104.0	66.8	24.8	4.9	2.0	121.7	152.0	204.8	312.8	0.0	0.0	27.4	0.0	4.3	0.0
05	74.5	53.7	64.1	3.2	3.3	3.1	301.9	250.7	181.7	88.4	26.7	12.7	19.8	30.6	54.6	116.3	0.0	0.2	30.9	0.0	0.2	0.0
06	81.5	62.0	71.7	2.2	2.0	1.9	502.7	443.4	355.8	216.3	100.3	64.6	0.3	1.0	3.4	13.8	0.0	1.5	30.0	0.0	0.0	0.0
07	84.4	66.0	75.2	2.2	2.0	2.0	626.1	564.1	471.2	317.3	172.6	121.4	0.0	0.0	0.1	1.2	0.0	4.1	31.0	0.0	0.0	0.0
08	84.2	63.9	74.1	2.9	2.3	2.4	590.4	528.5	435.7	283.3	145.1	99.8	0.0	0.0	0.2	2.8	0.0	5.2	31.0	0.0	0.0	0.0
09	79.3	56.6	67.9	3.4	2.5	2.5	393.3	336.8	256.8	140.0	55.2	33.2	4.9	8.5	18.4	51.6	0.0	2.3	30.0	0.0	0.0	0.0
10	68.5	44.8	56.6	2.7	2.5	2.3	142.8	109.7	68.6	24.4	5.2	2.5	91.6	120.6	172.4	283.2	0.0	0.1	29.8	0.0	3.8	0.0
11	56.1	35.0	45.6	4.9	3.4	3.9	29.1	18.2	8.1	1.5	0.1	0.0	312.5	361.6	441.5	584.9	0.0	0.0	21.0	0.5	13.1	0.0
12	46.3	29.0	37.6	5.0	4.4	4.6	8.9	5.4	2.0	0.3	0.0	0.0	546.7	605.1	694.7	848.1	0.0	0.0	13.0	4.5	20.4	0.0
Summary	65.5	45.1	55.3	3.6	3.2	3.3	2778	2394	1864	1100	510	336	2628	2974	3539	4600	0.0	13.4	286.6	18.8	100.8	1.4

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	4.22	12.4	7.6	2.7	0.9	2.86	4.19	5.45
02	4.02	10.2	6.6	2.3	0.8	2.70	3.39	5.06
03	4.86	12.6	8.5	3.6	1.2	3.23	4.67	6.00
04	4.79	11.8	8.3	3.4	1.3	3.97	4.74	5.49
05	4.86	12.6	8.6	3.1	1.2	3.29	4.25	6.56
06	4.79	11.2	8.2	3.0	1.1	3.02	4.62	5.93
07	4.59	11.7	8.3	3.3	1.1	3.54	4.02	5.49
08	3.65	8.8	5.8	2.1	1.0	2.32	3.51	4.66
09	3.54	8.2	5.1	2.2	0.8	1.69	3.57	4.64
10	3.59	8.7	6.3	2.5	0.7	2.05	3.30	4.90
11	3.50	10.0	6.5	2.5	0.7	2.49	3.35	4.01
12	4.94	12.8	8.5	2.9	1.0	3.40	4.61	6.46
Summary	51.35	131.0	88.3	33.6	11.8	34.56	48.22	64.65

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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	3.10	2.1	1.6	0.4	0.2	0.1	3.9	1.4	0.9	0.2	0.40	1.50	5.00
02	4.00	2.1	1.5	0.2	0.1	0.0	3.5	1.2	0.7	0.2	0.50	2.50	5.10
03	2.00	1.0	0.7	0.2	0.0	0.0	1.3	0.5	0.1	0.0	0.00	0.00	3.50
04	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
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	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
11	0.20	0.2	0.1	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.00	0.00	0.00
12	1.60	1.2	0.9	0.1	0.0	0.0	1.6	0.3	0.0	0.0	0.00	1.00	2.00
Summary	10.9	6.6	4.8	0.9	0.3	0.1	10.5	3.4	1.7	0.4	0.9	5.0	15.6

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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	67.3	89.0	233.0	471.7	747.1	952.3	1091.0	1055.4	838.3	520.7	227.9	104.7
45	31.8	45.0	143.2	339.7	592.6	802.4	936.1	900.4	688.4	376.4	136.9	55.0
50	13.4	19.4	79.3	224.6	441.7	652.4	781.1	745.4	539.1	246.4	71.2	24.9
55	4.9	6.4	38.0	133.7	301.9	502.7	626.1	590.4	393.3	142.8	29.1	8.9
60	1.4	1.4	14.6	66.8	181.7	355.8	471.2	435.7	256.8	68.6	8.1	2.0
Growing Degree Units for Corn (Monthly)												
50/86	36.3	54.9	141.3	292.0	468.4	645.4	763.0	724.2	544.9	318.6	135.3	54.5

Growing Degree Units (Accumulated Monthly)												
40	67	156	389	861	1608	2560	3651	4707	5545	6066	6294	6398
45	32	77	220	560	1152	1955	2891	3791	4480	4856	4993	5048
50	13	33	112	337	778	1431	2212	2957	3496	3743	3814	3839
55	5	11	49	183	485	988	1614	2204	2597	2740	2769	2778
60	1	3	17	84	266	622	1093	1529	1785	1854	1862	1864
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	36	91	232	524	993	1638	2401	3126	3670	3989	4124	4179

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