

Summary of Monthly Normals
1991-2020

Generated on 04/28/2024

Current Location: Elev: 860 ft. Lat: 41.5861° N Lon: 84.6233° W

Station: MONTPELIER, OH US USC00335438

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	31.5	16.6	24.0	4.4	6.0	5.1	0.1	0.0	0.0	0.0	0.0	0.0	959.3	1021.2	1114.2	1269.2	0.0	0.0	2.5	16.6	28.9	3.7
02	34.7	18.2	26.5	5.0	5.7	5.3	0.1	0.0	0.0	0.0	0.0	0.0	799.3	855.2	939.2	1079.2	0.0	0.0	2.6	11.0	26.6	2.0
03	45.4	26.4	35.9	5.5	4.4	4.8	8.2	5.8	3.4	0.8	0.0	0.0	600.3	659.9	750.5	902.8	0.0	0.0	10.6	3.9	24.3	0.3
04	58.8	36.6	47.7	3.1	2.3	2.6	38.8	27.6	15.7	4.7	0.8	0.3	257.8	306.6	384.7	523.7	0.0	0.0	23.9	0.2	11.0	0.0
05	70.3	48.1	59.2	4.1	3.6	3.7	183.4	145.2	97.4	43.6	14.3	7.9	53.2	77.0	122.3	223.4	0.0	0.7	30.4	0.0	0.8	0.0
06	79.7	58.1	68.9	2.5	2.1	2.0	419.2	361.4	278.4	157.8	69.8	45.2	2.4	4.6	11.6	40.9	0.1	4.0	30.0	0.0	0.0	0.0
07	83.4	61.5	72.5	3.1	2.4	2.7	540.8	478.8	385.9	235.9	113.2	76.8	0.0	0.0	0.1	5.0	0.2	6.4	31.0	0.0	0.0	0.0
08	81.3	59.7	70.5	2.4	2.5	2.3	480.4	418.5	326.8	183.7	76.0	47.8	0.0	0.1	1.4	13.3	0.0	2.8	31.0	0.0	0.0	0.0
09	75.1	52.1	63.6	3.1	2.4	2.4	274.7	224.7	157.0	71.8	24.2	13.9	16.8	26.9	49.2	113.9	0.0	1.6	30.0	0.0	0.3	0.0
10	62.4	40.9	51.7	2.8	2.7	2.6	68.4	49.0	27.2	8.1	2.0	1.0	172.2	214.8	286.1	422.0	0.0	0.0	28.1	0.0	6.9	0.0
11	47.5	31.2	39.4	5.3	3.0	3.9	5.4	3.0	0.9	0.0	0.0	0.0	474.9	532.4	620.3	769.5	0.0	0.0	13.2	2.0	18.9	0.0
12	36.3	22.9	29.6	4.6	4.6	4.5	0.4	0.1	0.0	0.0	0.0	0.0	787.7	849.4	942.3	1097.3	0.0	0.0	3.2	10.7	27.4	0.9
Summary	58.9	39.4	49.1	3.8	3.5	3.5	2020	1714	1293	706	300	193	4124	4548	5222	6460	0.3	15.5	236.5	44.4	145.1	6.9

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	2.42	11.0	6.0	1.5	0.4	1.34	2.35	3.52	
02	2.18	8.9	5.3	1.3	0.4	1.39	1.81	2.45	
03	2.63	9.8	6.2	1.4	0.3	1.65	2.53	3.17	
04	3.57	11.7	7.4	2.2	0.8	2.64	3.42	4.77	
05	4.32	12.5	8.1	2.8	1.1	2.52	4.20	5.61	
06	3.77	10.4	6.7	2.4	1.0	2.42	3.42	4.67	
07	3.50	8.9	6.5	2.4	0.7	2.04	2.82	4.26	
08	4.13	10.0	6.6	2.4	1.1	2.44	3.91	4.65	
09	3.11	8.7	5.4	2.0	1.0	1.94	2.56	4.39	
10	2.79	9.6	6.1	1.9	0.6	1.62	2.65	3.21	
11	3.08	10.5	6.5	2.1	0.5	2.16	2.85	3.71	
12	2.42	10.3	5.7	1.7	0.2	1.41	2.31	3.05	
Summary	37.92	122.3	76.5	24.1	8.1	23.57	34.83	47.46	

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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	9.20	6.8	3.5	1.3	0.2	0.0	17.1	10.7	6.1	1.1	5.40	8.40	12.20
02	8.90	6.0	3.1	1.1	0.3	0.0	13.1	8.6	4.4	1.2	1.30	7.70	14.80
03	4.40	3.1	1.5	0.5	0.3	0.0	5.9	3.2	1.8	0.3	1.00	2.60	5.70
04	0.80	0.6	0.2	0.0	0.0	0.0	0.3	0.1	0.0	0.0	0.00	0.00	0.20
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	0.10	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	1.30	1.5	0.6	0.1	0.0	0.0	1.7	0.5	0.0	0.0	0.00	0.30	2.40
12	7.80	4.9	2.0	0.8	0.4	0.0	9.1	4.9	2.6	0.4	2.20	5.40	12.20
Summary	32.5	22.9	10.9	3.8	1.2	0.0	47.2	28.0	14.9	3.0	9.9	24.4	47.5

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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	8.4	9.3	79.0	263.2	595.4	866.8	1005.8	945.4	707.9	369.1	106.0	18.6
45	2.6	2.9	40.6	158.4	443.6	716.8	850.8	790.4	558.5	239.0	50.4	6.8
50	0.5	0.7	18.7	83.7	301.2	567.1	695.8	635.4	412.5	138.5	19.8	2.2
55	0.1	0.1	8.2	38.8	183.4	419.2	540.8	480.4	274.7	68.4	5.4	0.4
60	0.0	0.0	3.4	15.7	97.4	278.4	385.9	326.8	157.0	27.2	0.9	0.0
Growing Degree Units for Corn (Monthly)												
50/86	4.0	5.7	51.0	163.6	354.4	562.0	674.9	626.9	438.5	211.7	52.6	7.4
Growing Degree Units (Accumulated Monthly)												
40	8	18	97	360	955	1822	2828	3773	4481	4850	4956	4975
45	3	6	46	204	648	1365	2216	3006	3565	3804	3854	3861
50	0	1	20	104	405	972	1668	2303	2716	2854	2874	2876
55	0	0	8	47	231	650	1191	1671	1946	2014	2020	2020
60	0	0	3	19	116	395	781	1108	1265	1292	1293	1293
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	4	10	61	224	579	1141	1816	2442	2881	3093	3145	3153

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