

Summary of Monthly Normals
1991-2020

Generated on 05/23/2024

Current Location: Elev: 1285 ft. Lat: 42.3869° N Lon: 72.9211° W
Station: **WORTHINGTON, MA US USC00199972**

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	11.9	21.7	4.1	5.1	4.5	0.1	0.0	0.0	0.0	0.0	0.0	1032.3	1094.2	1187.1	1342.2	0.0	0.0	1.8	16.2	30.1	5.6
02	34.6	12.7	23.6	4.4	5.1	4.6	0.0	0.0	0.0	0.0	0.0	0.0	877.7	933.7	1017.7	1157.8	0.0	0.0	2.6	11.4	27.3	4.0
03	42.5	20.6	31.6	4.0	4.2	3.9	1.4	0.9	0.4	0.0	0.0	0.0	728.3	789.8	882.2	1036.9	0.0	0.0	7.6	5.0	28.0	1.1
04	55.4	31.6	43.5	3.3	2.2	2.6	16.2	11.2	6.1	1.7	0.2	0.0	361.2	416.2	501.1	646.7	0.0	0.0	20.5	0.4	17.8	0.0
05	66.7	42.5	54.6	3.4	2.5	2.8	92.6	66.8	39.0	12.1	1.6	0.4	105.0	141.2	206.4	334.5	0.0	0.1	29.6	0.0	2.8	0.0
06	74.7	51.5	63.1	2.0	1.7	1.4	254.2	202.5	135.0	54.5	14.1	6.7	11.2	19.5	42.1	111.5	0.0	0.4	29.9	0.0	0.0	0.0
07	79.6	56.3	67.9	2.3	2.4	2.2	401.5	339.9	249.6	118.5	36.0	18.3	0.1	0.5	3.2	27.1	0.0	0.9	31.0	0.0	0.0	0.0
08	78.1	54.5	66.3	2.0	1.9	1.8	350.9	290.3	203.9	87.1	22.4	10.2	0.6	2.0	8.6	46.9	0.0	0.6	31.0	0.0	0.0	0.0
09	71.4	47.0	59.2	2.3	2.5	2.1	164.6	124.8	75.9	25.9	4.9	2.0	38.7	58.9	100.0	199.9	0.0	0.2	30.0	0.0	0.7	0.0
10	59.1	36.2	47.6	2.6	3.0	2.4	24.5	15.4	6.5	1.0	0.1	0.0	252.3	305.2	389.3	538.8	0.0	0.0	26.6	0.0	11.0	0.0
11	47.0	27.2	37.1	3.8	2.6	3.1	1.7	0.8	0.1	0.0	0.0	0.0	538.7	597.8	687.1	837.0	0.0	0.0	11.5	2.0	22.0	0.1
12	36.4	18.8	27.6	4.1	4.3	4.1	0.0	0.0	0.0	0.0	0.0	0.0	849.4	911.4	1004.4	1159.4	0.0	0.0	3.3	10.8	28.7	1.0
Summary	56.4	34.2	45.3	3.2	3.1	3.0	1308	1053	716	301	79	38	4795	5270	6029	7439	0.0	2.2	225.4	45.8	168.4	11.8

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	3.95	15.2	8.0	2.5	1.0	2.46	3.79	4.65	
02	3.56	12.3	7.5	2.5	0.7	2.63	3.19	3.90	
03	4.25	13.8	7.1	2.6	0.9	2.81	3.96	5.36	
04	4.29	13.8	7.9	2.7	0.9	2.85	3.78	5.61	
05	4.20	14.8	9.2	2.6	0.8	2.66	4.42	5.48	
06	5.12	13.1	8.6	3.6	1.7	3.69	4.90	6.08	
07	4.57	12.5	8.0	3.1	1.1	2.81	3.99	6.10	
08	4.46	11.3	7.0	3.1	1.3	3.29	4.00	5.03	
09	4.78	10.5	6.2	3.3	1.6	2.51	3.53	7.15	
10	5.59	13.5	8.1	3.2	1.9	3.54	5.11	6.88	
11	4.10	12.7	6.9	2.7	1.1	2.95	3.71	5.32	
12	5.22	14.1	8.3	3.5	1.4	3.63	4.85	6.42	
Summary	54.09	157.6	92.8	35.4	14.4	35.83	49.23	67.98	

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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	19.30	13.0	5.2	1.9	0.8	0.2	26.1	20.8	15.6	7.0	14.50	17.00	23.10
02	18.20	11.7	4.9	1.9	0.9	0.3	25.7	22.0	18.5	10.2	13.10	15.90	23.80
03	13.80	8.9	3.5	1.5	0.9	0.1	20.1	16.6	13.9	9.2	5.50	12.20	17.40
04	4.00	3.1	1.1	0.4	0.1	0.0	3.0	1.6	1.0	0.5	0.10	1.10	7.00
05	0.10	0.2	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	0.40	0.5	0.2	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.00	0.00	0.20
11	4.60	4.6	1.2	0.5	0.1	0.0	3.7	2.2	1.2	0.1	0.50	2.30	5.10
12	16.70	10.3	3.6	1.6	1.0	0.2	19.5	13.1	8.9	3.4	7.80	17.60	23.60
Summary	77.1	52.3	19.7	7.8	3.8	0.8	98.3	76.3	59.1	30.4	41.5	66.1	100.2

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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	5.3	4.2	31.6	161.0	453.6	692.9	866.3	815.2	575.9	257.9	68.9	13.2
45	1.9	0.8	12.2	82.9	307.4	543.2	711.4	660.2	427.0	144.4	28.8	3.9
50	0.6	0.1	4.2	38.3	183.4	395.0	556.4	505.2	285.7	67.0	8.8	0.8
55	0.1	0.0	1.4	16.2	92.6	254.2	401.5	350.9	164.6	24.5	1.7	0.0
60	0.0	0.0	0.4	6.1	39.0	135.0	249.6	203.9	75.9	6.5	0.1	0.0
Growing Degree Units for Corn (Monthly)												
50/86	3.9	5.5	28.0	117.3	271.7	422.6	558.2	515.2	352.3	156.6	44.7	7.9

Growing Degree Units (Accumulated Monthly)												
40	5	10	41	202	656	1349	2215	3030	3606	3864	3933	3946
45	2	3	15	98	405	948	1660	2320	2747	2891	2920	2924
50	1	1	5	43	227	622	1178	1683	1969	2036	2045	2046
55	0	0	2	18	110	364	766	1117	1282	1306	1308	1308
60	0	0	0	6	46	180	430	634	710	716	716	716
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	4	9	37	155	426	849	1407	1922	2275	2431	2476	2484

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