

Summary of Monthly Normals
1991-2020

Generated on 04/28/2024

Current Location: Elev: 900 ft. Lat: 41.2019° N Lon: 80.8106° W
Station: **WARREN 3 S, OH US USC00338769**

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	34.7	16.8	25.8	4.6	5.5	4.9	0.3	0.1	0.0	0.0	0.0	0.0	906.8	968.7	1061.6	1216.5	0.0	0.0	3.8	13.5	27.5	3.5
02	37.6	17.2	27.4	5.1	6.2	5.6	0.6	0.4	0.0	0.0	0.0	0.0	773.3	829.0	912.7	1052.7	0.0	0.0	4.5	9.5	25.3	3.1
03	46.7	24.8	35.8	4.8	3.7	3.9	5.7	3.0	0.9	0.1	0.0	0.0	602.4	661.7	752.6	906.7	0.0	0.0	11.9	3.8	25.0	0.3
04	60.3	35.0	47.6	3.2	2.6	2.6	40.2	27.5	14.3	3.2	0.4	0.1	260.7	308.0	384.8	523.8	0.0	0.0	24.3	0.2	13.7	0.0
05	71.3	45.3	58.3	4.2	3.9	3.9	170.1	133.6	88.0	36.1	10.6	5.2	67.8	93.3	140.7	243.8	0.0	0.2	30.5	0.0	3.2	0.0
06	79.1	54.3	66.7	2.0	1.9	1.7	355.3	299.4	220.2	110.7	39.5	22.4	4.4	8.5	19.3	59.8	0.0	2.1	30.0	0.0	0.0	0.0
07	82.9	58.5	70.7	2.7	2.4	2.2	486.6	424.6	332.5	189.0	78.2	47.9	0.0	0.0	0.9	12.4	0.0	4.1	31.0	0.0	0.0	0.0
08	81.6	56.7	69.1	2.7	2.3	2.4	438.6	377.0	286.1	150.5	57.0	32.9	0.1	0.5	2.5	21.9	0.0	3.2	31.0	0.0	0.0	0.0
09	75.1	50.0	62.5	2.9	2.9	2.5	243.9	195.1	131.7	56.5	17.4	9.0	17.5	28.7	55.3	130.2	0.0	0.9	30.0	0.0	0.4	0.0
10	63.0	39.5	51.3	3.0	2.6	2.5	59.7	41.9	22.3	6.3	1.1	0.2	175.9	220.1	293.5	432.6	0.0	0.0	27.9	0.0	7.6	0.0
11	50.4	30.6	40.5	5.1	2.6	3.6	6.4	3.3	1.1	0.1	0.0	0.0	441.4	498.3	586.1	735.0	0.0	0.0	15.8	1.0	18.2	0.0
12	39.4	23.2	31.3	4.9	4.5	4.6	0.8	0.3	0.0	0.0	0.0	0.0	735.4	796.9	889.6	1044.6	0.0	0.0	6.2	8.3	26.2	0.5
Summary	60.2	37.7	48.9	3.8	3.4	3.4	1808	1506	1097	552	204	118	3986	4414	5100	6380	0.0	10.5	246.9	36.3	147.1	7.4

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	3.11	15.9	8.1	1.7	0.4	2.23	2.84	3.65
02	2.31	11.3	6.5	1.2	0.1	1.56	1.97	2.57
03	3.13	12.2	7.7	2.1	0.4	2.10	3.08	3.61
04	3.76	13.5	8.8	2.2	0.7	2.99	3.80	4.39
05	3.76	14.2	8.9	2.4	0.5	2.26	3.88	4.54
06	4.10	12.3	8.3	2.7	0.8	2.36	4.05	5.11
07	4.64	11.4	7.7	3.0	1.4	3.21	3.81	5.30
08	3.49	10.2	6.9	2.4	0.9	2.66	3.33	4.60
09	3.67	10.8	6.8	2.2	1.0	2.95	3.56	4.69
10	3.30	12.7	7.9	2.3	0.5	2.49	3.05	3.97
11	2.61	11.9	6.6	1.4	0.4	1.89	2.58	3.42
12	2.93	13.1	7.2	1.8	0.5	2.15	2.78	3.55
Summary	40.81	149.5	91.4	25.4	7.6	28.85	38.73	49.40

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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	9.60	7.3	4.0	1.1	0.4	0.1	10.8	5.5	3.2	0.8	3.10	5.50	12.40
02	6.40	4.9	2.6	0.9	0.3	0.0	9.0	4.1	2.3	0.4	2.00	4.60	10.00
03	4.40	2.6	1.5	0.4	0.2	0.0	3.3	1.3	0.6	0.1	0.50	3.30	6.00
04	0.20	0.2	0.1	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.00	0.00	0.10
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	0.80	0.9	0.4	0.0	0.0	0.0	0.7	0.1	0.0	0.0	0.00	0.00	1.30
12	6.50	5.1	2.9	0.6	0.1	0.0	6.7	2.5	0.7	0.1	1.20	6.30	10.50
Summary	27.9	21.0	11.5	3.0	1.0	0.1	30.7	13.5	6.8	1.4	6.8	19.7	40.3

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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	18.5	19.4	77.4	264.6	568.3	800.9	951.6	903.5	676.4	356.7	116.5	33.5
45	6.9	6.7	38.7	161.8	419.0	650.9	796.6	748.5	526.7	224.4	56.2	12.9
50	1.7	2.2	16.6	87.2	282.1	501.4	641.6	593.6	380.2	125.2	22.2	4.2
55	0.3	0.6	5.7	40.2	170.1	355.3	486.6	438.6	243.9	59.7	6.4	0.8
60	0.0	0.0	0.9	14.3	88.0	220.2	332.5	286.1	131.7	22.3	1.1	0.0
Growing Degree Units for Corn (Monthly)												
50/86	10.8	15.2	59.9	179.0	359.3	513.7	630.3	590.0	423.1	218.5	73.8	17.5

Growing Degree Units (Accumulated Monthly)												
40	18	38	115	380	948	1749	2701	3604	4281	4637	4754	4787
45	7	14	52	214	633	1284	2081	2829	3356	3580	3636	3649
50	2	4	20	108	390	891	1533	2126	2507	2632	2654	2658
55	0	1	7	47	217	572	1059	1497	1741	1801	1807	1808
60	0	0	1	15	103	323	656	942	1074	1096	1097	1097
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	11	26	86	265	624	1138	1768	2358	2781	3000	3074	3091

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