

Summary of Monthly Normals
1991-2020

Generated on 05/23/2024

Current Location: Elev: 1137 ft. Lat: 44.6547° N Lon: 84.6997° W

Station: GRAYLING, MI US USC00203391

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	26.0	9.7	17.8	4.3	6.6	5.3	0.0	0.0	0.0	0.0	0.0	0.0	1151.5	1213.5	1306.4	1461.4	0.0	0.0	0.2	23.1	30.4	8.3
02	28.7	8.7	18.7	4.8	6.9	5.7	0.0	0.0	0.0	0.0	0.0	0.0	1016.3	1072.3	1156.2	1296.2	0.0	0.0	0.8	18.8	27.4	8.2
03	39.4	16.4	27.9	5.0	5.3	5.0	2.5	1.7	0.9	0.2	0.0	0.0	842.6	903.8	995.9	1150.2	0.0	0.0	5.8	8.7	28.5	4.3
04	52.8	28.8	40.8	4.6	3.1	3.6	12.6	8.4	4.3	1.2	0.3	0.1	438.6	494.4	580.3	727.2	0.0	0.0	17.1	1.8	21.6	0.3
05	67.0	40.7	53.8	4.5	3.3	3.7	106.8	81.6	52.6	22.2	6.3	2.7	142.5	179.3	243.3	368.0	0.0	0.3	28.5	0.0	7.5	0.0
06	76.6	50.8	63.7	3.0	2.8	2.5	277.4	226.5	158.3	73.6	26.6	15.6	16.5	25.6	47.4	112.7	0.0	1.4	29.9	0.0	0.4	0.0
07	80.2	55.1	67.6	3.1	2.7	2.8	393.4	333.4	247.8	127.9	50.4	30.7	1.3	3.3	10.8	45.8	0.0	2.5	31.0	0.0	0.0	0.0
08	78.5	53.4	66.0	2.5	2.8	2.5	341.8	283.7	202.4	95.0	31.5	17.6	2.4	6.3	18.0	65.7	0.0	1.3	31.0	0.0	0.0	0.0
09	70.7	45.3	58.0	3.5	2.9	2.9	153.8	119.3	76.7	29.8	8.4	4.5	63.9	89.4	136.9	239.9	0.0	0.4	29.6	0.0	2.8	0.0
10	56.6	35.4	46.0	3.3	2.4	2.7	27.1	17.8	8.8	2.7	0.8	0.4	306.1	358.8	442.7	591.7	0.0	0.0	22.1	0.1	13.9	0.0
11	42.7	26.2	34.4	5.1	3.3	4.1	1.2	0.5	0.1	0.0	0.0	0.0	617.7	677.0	766.6	916.5	0.0	0.0	7.6	6.1	23.5	0.3
12	31.5	17.7	24.6	4.3	5.1	4.5	0.0	0.0	0.0	0.0	0.0	0.0	942.3	1004.3	1097.3	1252.3	0.0	0.0	0.9	17.5	29.2	2.6
Summary	54.2	32.3	43.3	4.0	3.9	3.8	1317	1073	752	353	124	72	5542	6028	6802	8228	0.0	5.9	204.5	76.1	185.2	24.0

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	1.82	18.6	5.6	0.5	0.1	1.16	1.66	2.39	
02	1.39	13.8	4.2	0.5	0.1	0.87	1.25	1.82	
03	1.68	11.6	4.6	0.9	0.1	1.00	1.56	2.22	
04	3.39	12.3	7.0	2.7	0.6	2.30	3.03	4.85	
05	3.23	13.6	7.6	2.1	0.4	2.12	3.03	4.22	
06	3.64	12.5	7.4	2.2	0.9	2.35	3.25	4.51	
07	3.07	12.0	6.3	2.0	0.7	2.00	2.56	4.00	
08	3.26	12.4	6.6	2.0	0.6	2.38	3.06	4.40	
09	3.22	13.7	7.2	1.9	0.6	2.14	2.97	4.39	
10	4.01	17.4	9.1	2.3	0.6	2.61	3.56	4.96	
11	2.58	16.0	6.7	1.6	0.3	1.61	2.26	3.08	
12	1.95	17.4	5.8	0.8	0.1	1.44	1.86	2.23	
Summary	33.24	171.3	78.1	19.5	5.1	21.98	30.05	43.07	

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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	25.80	14.3	11.0	3.6	1.2	0.0	29.5	27.9	25.7	15.1	20.60	25.00	31.10
02	18.90	10.5	8.2	2.2	0.7	0.1	27.9	27.1	25.0	19.5	12.30	17.50	23.40
03	10.80	6.2	5.0	1.5	0.6	0.0	22.4	20.9	18.6	12.5	7.50	10.20	14.70
04	4.20	2.1	1.7	0.6	0.1	0.0	4.1	2.5	1.5	0.2	0.00	3.00	6.40
05	0.10	0.2	0.1	0.0	0.0	0.0	0.1	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	1.40	0.9	0.7	0.1	0.0	0.0	0.9	0.1	0.0	0.0	0.00	0.00	2.00
11	6.90	4.9	3.9	1.1	0.3	0.0	7.6	4.2	2.2	0.3	2.20	4.80	8.10
12	20.20	11.4	9.3	2.9	1.1	0.0	23.4	19.0	14.7	6.4	12.90	20.00	24.40
Summary	88.3	50.5	39.9	12.0	4.0	0.1	115.9	101.7	87.7	54.0	55.5	80.5	110.1

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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	0.6	2.3	26.5	127.8	435.5	710.9	857.0	804.3	540.6	220.1	48.4	5.0
45	0.0	0.3	11.6	65.4	300.1	561.1	702.0	649.2	395.6	124.4	18.9	1.2
50	0.0	0.0	5.4	30.6	188.9	414.5	547.2	494.4	263.3	62.5	5.6	0.1
55	0.0	0.0	2.5	12.6	106.8	277.4	393.4	341.8	153.8	27.1	1.2	0.0
60	0.0	0.0	0.9	4.3	52.6	158.3	247.8	202.4	76.7	8.8	0.1	0.0
Growing Degree Units for Corn (Monthly)												
50/86	0.2	1.4	22.4	101.2	282.3	449.9	553.9	515.3	337.3	133.1	28.7	2.1

Growing Degree Units (Accumulated Monthly)												
40	1	3	29	157	593	1304	2161	2965	3505	3726	3774	3779
45	0	0	12	77	377	938	1640	2290	2685	2810	2829	2830
50	0	0	5	36	225	639	1187	1681	1944	2007	2012	2012
55	0	0	2	15	122	399	793	1134	1288	1315	1317	1317
60	0	0	1	5	58	216	464	666	743	752	752	752
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	0	2	24	125	408	857	1411	1927	2264	2397	2426	2428

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

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