

Summary of Monthly Normals 1981-2010

Generated on 08/08/2018

Current Location: Elev: 1080 ft. Lat: 41.9352° N Lon: -84.6411° W

Station: **HILLSDALE, MI US USC00203823**

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	30.3	14.5	22.4	4.9	6.6	5.7	-7777	-7777	0	0	0	0	1010	1072	1165	1320	0.0	0.0	1.0	17.5	28.5	4.4
02	34.0	16.0	25.0	4.4	5.1	4.6	-7777	-7777	-7777	-7777	0	0	840	896	980	1120	0.0	0.0	1.7	12.1	26.0	2.8
03	44.2	24.3	34.3	4.0	3.5	3.6	5	4	2	-7777	-7777	-7777	649	709	800	953	0.0	0.0	9.1	5.0	24.5	0.5
04	57.9	35.2	46.5	4.0	2.5	3.0	38	27	16	5	1	-7777	291	341	420	559	0.0	0.0	21.7	0.3	12.1	0.0
05	68.7	46.0	57.4	4.0	3.6	3.6	149	115	74	29	7	3	77	105	156	267	0.0	-7777	29.8	0.0	1.7	0.0
06	78.1	56.0	67.1	2.9	2.3	2.3	367	312	233	121	47	29	6	10	21	60	-7777	1.5	30.0	0.0	0.0	0.0
07	82.2	59.3	70.7	2.7	2.5	2.3	488	426	335	194	86	56	-7777	-7777	2	16	0.0	3.3	31.0	0.0	0.0	0.0
08	79.9	57.4	68.7	2.8	2.9	2.6	424	363	274	143	54	33	1	2	6	30	0.0	1.6	31.0	0.0	0.0	0.0
09	72.9	49.4	61.2	3.1	2.1	2.3	219	176	119	51	15	8	35	51	85	167	0.0	0.3	29.9	0.0	0.7	0.0
10	60.4	38.7	49.5	3.3	3.1	3.0	48	33	17	5	1	-7777	217	264	341	484	0.0	-7777	26.3	0.0	8.2	0.0
11	47.2	30.1	38.6	4.1	3.1	3.4	5	2	1	-7777	0	0	495	553	641	791	0.0	0.0	12.5	2.4	17.6	0.0
12	34.4	20.0	27.2	5.5	5.7	5.4	-7777	-7777	0	0	0	0	862	924	1017	1172	0.0	0.0	2.5	12.9	27.6	1.8
Summary	57.5	37.2	47.4	3.8	3.6	3.5	1743	1458	1071	548	211	129	4483	4927	5634	6939	0.0	6.7	226.5	50.2	146.9	9.5

-7777: a non-zero value that would round to zero

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	2.38	13.2	5.7	1.0	0.3	1.02	1.71	3.58
02	1.97	10.7	5.1	1.1	0.2	1.09	1.54	2.58
03	2.34	10.8	5.9	1.5	0.3	1.70	2.25	2.65
04	3.29	12.3	7.6	2.1	0.3	2.25	3.33	4.35
05	4.14	12.0	7.1	2.7	0.9	2.91	4.33	4.96
06	3.89	10.6	6.9	2.9	1.0	2.48	4.00	4.98
07	3.79	9.9	6.6	2.5	0.8	1.98	3.46	4.82
08	3.83	10.0	6.5	2.3	0.9	2.67	3.59	4.75
09	3.77	10.4	6.6	2.5	1.0	2.39	3.06	5.31
10	3.13	11.7	6.6	2.0	0.6	2.13	2.61	4.30
11	3.09	12.2	6.9	1.8	0.5	2.07	2.86	3.92
12	2.34	13.8	6.4	1.5	0.2	1.73	2.16	3.02
Summary	37.96	137.6	77.9	23.9	7.0	24.42	34.90	49.22

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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	13.2	10.4	4.8	1.3	0.5	0.1					6.7	12.0	18.2
02	10.6	7.8	3.5	0.9	0.3	0.0					4.5	10.9	14.4
03	6.0	4.5	2.0	0.5	0.3	0.0					2.0	5.4	9.1
04	1.9	1.1	0.6	0.1	0.1	0.0					0.0	0.5	3.1
05	0.0	0.0	0.0	0.0	0.0	0.0					0.0	0.0	0.0
06	0.0	0.0	0.0	0.0	0.0	0.0					0.0	0.0	0.0
07	0.0	0.0	0.0	0.0	0.0	0.0					0.0	0.0	0.0
08	0.0	0.0	0.0	0.0	0.0	0.0					0.0	0.0	0.0
09	0.0	0.0	0.0	0.0	0.0	0.0					0.0	0.0	0.0
10	0.2	0.2	0.1	0.0	0.0	0.0					0.0	0.0	0.0
11	2.9	3.0	1.1	0.2	-7777	0.0					0.0	1.6	4.5
12	11.1	9.0	3.5	1.1	0.3	0.0					6.5	9.5	12.9
Summary	45.9	36.0	15.6	4.1	1.5	0.1	0.0	0.0	0.0	0.0	19.7	39.9	62.2

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Growing Degree Units (Monthly)												
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	6	7	63	240	539	811	953	888	634	311	95	16
45	2	2	31	146	390	661	798	733	486	194	45	6
50	-7777	1	14	79	256	513	643	578	344	105	17	2
55	-7777	-7777	5	38	149	367	488	424	219	48	5	-7777
60	0	-7777	2	16	74	233	335	274	119	17	1	0

Growing Degree Units for Corn (Monthly)												
50/86	2	5	43	153	321	520	632	580	392	182	51	6

Growing Degree Units (Accumulated Monthly)												
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	6	13	76	316	855	1666	2619	3507	4141	4452	4547	4563
45	2	4	35	181	571	1232	2030	2763	3249	3443	3488	3494
50	0	1	15	94	350	863	1506	2084	2428	2533	2550	2552
55	0	0	5	43	192	559	1047	1471	1690	1738	1743	1743
60	0	0	2	18	92	325	660	934	1053	1070	1071	1071

Growing Degree Units for Corn (Monthly Accumulated)												
50/86	2	7	50	203	524	1044	1676	2256	2648	2830	2881	2887

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

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