

Summary of Monthly Normals
1981-2010

Generated on 04/30/2024

Current Location: Elev: 965 ft. Lat: 41.8394° N Lon: 94.1105° W
Station: **PERRY, IA US USC00136566**

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	28.8	10.1	19.5	6.2	6.8	6.3	0	0	0	0	0	0	1102	1164	1257	1412	0.0	0.0	1.7	17.7	30.6	7.2
02	33.7	14.2	23.9	6.8	6.6	6.5	-7777	-7777	-7777	-7777	0	0	869	925	1009	1149	0.0	0.0	3.4	12.4	26.5	5.3
03	46.6	25.6	36.1	5.0	3.4	3.9	7	5	2	-7777	-7777	-7777	593	653	743	896	0.0	0.0	12.1	4.3	23.7	0.3
04	60.6	36.8	48.7	4.5	3.2	3.6	53	39	24	8	2	-7777	242	288	363	497	0.0	0.0	23.6	0.3	9.2	0.0
05	71.6	49.0	60.3	3.8	3.3	3.2	209	166	111	47	14	7	44	63	101	193	0.0	0.6	30.8	0.0	0.6	0.0
06	81.0	59.4	70.2	2.8	2.3	2.3	457	399	314	183	82	54	2	3	8	27	0.1	3.0	30.0	0.0	0.0	0.0
07	84.8	63.5	74.2	2.7	2.5	2.4	594	532	439	287	151	108	-7777	-7777	-7777	4	0.1	6.7	31.0	0.0	0.0	0.0
08	82.8	61.0	71.9	3.5	3.0	3.0	524	462	371	228	112	77	-7777	1	2	14	0.3	4.6	31.0	0.0	0.0	0.0
09	75.9	50.7	63.3	3.0	2.8	2.6	276	229	165	82	32	19	27	40	66	133	0.0	1.3	29.9	0.0	0.7	0.0
10	63.1	38.6	50.8	3.3	2.9	2.7	68	50	29	10	3	2	197	241	313	449	0.0	0.1	26.9	0.1	8.5	0.0
11	46.6	26.5	36.6	6.1	4.4	5.0	6	3	1	-7777	-7777	0	560	617	705	854	0.0	0.0	12.2	4.0	22.0	0.3
12	32.1	14.5	23.3	6.7	6.7	6.5	-7777	-7777	0	0	0	0	983	1045	1138	1293	0.0	0.0	2.5	14.4	29.5	4.5
Summary	59.0	37.5	48.2	4.5	4.0	4.0	2194	1885	1456	845	396	267	4619	5040	5705	6921	0.5	16.3	235.1	53.2	151.3	17.6

-7777: a non-zero value that would round to zero
Empty or blank cells indicate data is missing or insufficient occurrences to compute value

U.S. Department of Commerce
National Oceanic & Atmospheric Administration
National Environmental Satellite, Data, and Information Service

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National Centers for Environmental Information
151 Patton Avenue
Asheville, North Carolina 28801

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	0.92	6.5	2.5	0.4	-7777	0.40	0.91	1.26
02	0.80	6.6	2.7	0.3	0.0	0.35	0.78	1.10
03	2.01	8.1	4.3	1.3	0.4	1.03	1.94	2.85
04	3.37	11.2	6.6	2.4	0.7	1.83	2.93	4.72
05	4.68	12.8	8.1	3.0	1.2	3.18	4.36	6.34
06	5.12	11.8	8.2	3.5	1.4	2.91	4.52	6.89
07	4.42	9.6	6.8	3.1	1.3	2.65	3.67	5.78
08	4.06	9.7	6.3	2.6	1.2	2.31	3.46	6.43
09	3.14	8.3	5.3	2.2	0.9	2.12	2.89	4.14
10	2.49	8.9	5.2	1.8	0.5	1.29	2.45	3.63
11	1.94	7.5	3.7	1.2	0.3	1.03	1.53	2.73
12	1.28	7.9	3.2	0.6	0.2	0.45	1.28	1.80
Summary	34.23	108.9	62.9	22.4	8.1	19.55	30.72	47.67

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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	4.6	3.1	2.4	0.9	0.4	0.0					0.0	2.0	6.5
02	5.1	2.9	2.5	0.8	0.3	0.0					2.5	5.0	6.0
03	3.8	1.5	1.0	0.6	0.3	0.1					0.0	1.9	5.5
04	0.9	0.3	0.3	0.2	-7777	0.0					0.0	0.0	0.0
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	0.1	-7777	-7777	0.0	0.0	0.0					0.0	0.0	0.0
11	1.8	0.9	0.8	0.4	-7777	0.0					0.0	1.0	3.0
12	7.2	3.7	2.8	0.9	0.2	-7777					1.0	5.0	7.5
Summary	23.5	12.4	9.8	3.8	1.2	0.1	0.0	0.0	0.0	0.0	3.5	14.9	28.5

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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	3	12	83	293	629	906	1058	989	699	354	85	6
45	-7777	4	43	186	477	756	904	834	551	231	43	2
50	-7777	1	20	105	333	606	749	679	408	135	18	1
55	0	-7777	7	53	209	457	594	524	276	68	6	-7777
60	0	-7777	2	24	111	314	439	371	165	29	1	0
Growing Degree Units for Corn (Monthly)												
50/86	4	12	64	187	376	595	718	658	444	226	59	6
Growing Degree Units (Accumulated Monthly)												
40	3	15	98	391	1020	1926	2984	3973	4672	5026	5111	5117
45	0	4	47	233	710	1466	2370	3204	3755	3986	4029	4031
50	0	1	21	126	459	1065	1814	2493	2901	3036	3054	3055
55	0	0	7	60	269	726	1320	1844	2120	2188	2194	2194
60	0	0	2	26	137	451	890	1261	1426	1455	1456	1456
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	4	16	80	267	643	1238	1956	2614	3058	3284	3343	3349

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