

Summary of Monthly Normals
1991-2020

Generated on 05/23/2024

Current Location: Elev: 2362 ft. Lat: 40.6944° N Lon: 99.7008° W

Station: CANADAY STEAM PLT, NE US USC00251450

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	38.0	15.2	26.6	5.2	3.9	4.3	0.1	0.0	0.0	0.0	0.0	0.0	880.4	942.4	1035.3	1190.3	0.0	0.0	6.8	10.7	30.5	3.9
02	41.3	17.8	29.6	7.3	5.0	5.9	0.6	0.3	0.1	0.0	0.0	0.0	713.0	768.8	852.4	992.5	0.0	0.0	9.1	8.4	26.6	2.6
03	52.5	27.0	39.7	5.9	3.9	4.6	11.1	6.6	2.6	0.4	0.0	0.0	483.9	541.5	630.5	783.2	0.0	0.0	18.1	3.0	23.1	0.6
04	61.7	36.7	49.2	3.8	3.0	3.1	47.0	31.7	16.6	4.7	0.7	0.3	221.0	265.6	340.5	478.7	0.0	0.1	24.2	0.5	10.1	0.0
05	71.7	48.3	60.0	3.9	2.5	3.0	207.4	166.5	113.8	49.6	15.6	9.0	52.4	73.5	113.8	204.6	0.0	1.4	30.0	0.0	0.9	0.0
06	82.1	59.2	70.6	3.4	2.4	2.8	471.6	413.4	328.5	197.7	95.0	64.7	2.3	4.1	9.1	28.3	0.1	6.1	29.9	0.0	0.0	0.0
07	86.4	64.1	75.2	2.9	2.1	2.3	627.6	565.6	472.9	320.7	178.9	129.8	0.0	0.0	0.3	3.2	0.6	10.7	31.0	0.0	0.0	0.0
08	84.3	61.7	73.0	2.7	2.4	2.3	558.2	496.5	404.6	256.4	126.7	86.7	0.3	0.6	1.7	8.4	0.2	7.4	31.0	0.0	0.0	0.0
09	78.0	52.1	65.0	3.6	3.3	3.2	318.7	267.6	198.1	103.9	41.5	25.5	17.4	26.2	46.7	102.5	0.1	3.4	29.7	0.0	0.3	0.0
10	65.1	38.3	51.7	4.1	2.7	3.1	74.5	53.0	29.8	8.7	1.5	0.6	176.7	217.2	287.0	420.9	0.0	0.3	27.4	0.5	8.1	0.0
11	51.3	26.4	38.9	5.6	3.5	4.2	6.4	3.5	1.1	0.0	0.0	0.0	490.9	548.0	635.6	784.5	0.0	0.0	16.9	2.9	23.9	0.2
12	39.8	17.6	28.7	4.8	3.8	4.0	0.2	0.1	0.0	0.0	0.0	0.0	815.2	877.2	970.0	1125.1	0.0	0.0	7.7	8.8	30.4	2.4
Summary	62.7	38.7	50.7	4.4	3.2	3.6	2323	2005	1568	942	460	317	3854	4265	4923	6122	1.0	29.4	261.8	34.8	153.9	9.7

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	0.43	2.6	1.2	0.1	0.0	0.11	0.33	0.72	
02	0.51	3.1	1.7	0.3	0.0	0.27	0.45	0.68	
03	1.18	4.4	2.9	0.6	0.2	0.50	0.86	1.93	
04	2.48	7.0	4.4	1.6	0.5	1.43	2.11	3.17	
05	3.76	9.6	6.3	2.3	0.8	1.91	3.31	5.32	
06	3.86	8.8	6.5	2.6	1.0	2.73	3.62	4.90	
07	3.29	7.5	5.1	2.1	0.9	1.13	2.75	5.07	
08	2.99	6.1	4.5	2.0	0.8	1.69	2.90	4.17	
09	1.81	4.8	3.5	1.0	0.3	0.90	1.72	2.52	
10	1.74	5.1	3.3	1.0	0.4	0.78	1.47	2.14	
11	0.74	2.8	1.7	0.4	0.0	0.12	0.51	1.00	
12	0.60	2.3	1.4	0.2	0.1	0.02	0.44	0.78	
Summary	23.39	64.1	42.5	14.2	5.0	11.59	20.47	32.40	

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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	5.90	2.1	1.5	0.5	0.2	0.0					0.60	6.00	8.50
02	4.90	2.5	1.8	0.6	0.3	0.0					1.00	5.00	7.30
03	2.30	1.2	0.8	0.3	0.1	0.0					0.00	1.20	3.20
04	1.00	0.4	0.4	0.2	0.0	0.0					0.00	0.00	1.00
05	0.10	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					0.00	0.00	0.00
07	0.00	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					0.00	0.00	0.00
09	0.00	0.0	0.0	0.0	0.0	0.0					0.00	0.00	0.00
10	0.60	0.3	0.3	0.0	0.0	0.0					0.00	0.00	0.00
11	1.90	0.8	0.6	0.3	0.3	0.0					0.00	0.00	2.40
12	3.30	1.6	1.2	0.7	0.3	0.0					0.00	1.50	4.40
Summary	20.0	8.9	6.6	2.6	1.2	0.0	0.0	0.0	0.0	0.0	1.6	13.7	26.8

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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	14.3	31.3	138.4	306.1	620.6	919.3	1092.5	1022.8	751.5	384.7	111.4	17.8
45	3.1	11.1	71.8	192.5	469.7	769.4	937.5	867.8	603.1	256.9	54.1	4.3
50	0.5	2.8	30.7	104.9	328.7	619.9	782.6	712.9	457.3	151.2	22.0	0.7
55	0.1	0.6	11.1	47.0	207.4	471.6	627.6	558.2	318.7	74.5	6.4	0.2
60	0.0	0.1	2.6	16.6	113.8	328.5	472.9	404.6	198.1	29.8	1.1	0.0
Growing Degree Units for Corn (Monthly)												
50/86	22.0	37.3	117.8	198.9	369.8	597.2	736.9	683.1	472.8	252.6	96.4	24.6

Growing Degree Units (Accumulated Monthly)												
40	14	46	184	490	1111	2030	3122	4145	4897	5282	5393	5411
45	3	14	86	278	748	1518	2455	3323	3926	4183	4237	4241
50	0	3	34	139	468	1088	1870	2583	3040	3192	3214	3214
55	0	1	12	59	266	738	1365	1924	2242	2317	2323	2323
60	0	0	3	19	133	462	934	1339	1537	1567	1568	1568
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	22	59	177	376	746	1343	2080	2763	3236	3488	3585	3609

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