

Summary of Monthly Normals
1991-2020

Generated on 04/27/2024

Current Location: Elev: 3675 ft. Lat: 33.1869° N Lon: 102.8281° W
Station: **PLAINS, TX US USC00417074**

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	54.3	24.5	39.4	4.1	2.5	2.5	1.7	0.7	0.3	0.0	0.0	0.0	485.2	546.2	638.8	793.5	0.0	0.0	22.0	2.1	26.1	0.0
02	59.3	28.2	43.7	4.5	2.6	3.1	9.0	4.7	1.7	0.2	0.0	0.0	324.0	375.7	456.7	595.2	0.0	0.0	22.2	0.9	19.0	0.1
03	67.3	34.8	51.0	3.9	3.0	2.9	53.7	34.4	15.2	2.3	0.0	0.0	176.1	218.8	292.7	434.8	0.0	0.1	28.6	0.2	10.6	0.0
04	75.3	42.1	58.7	3.1	2.4	2.5	163.9	124.1	74.1	21.7	3.7	1.7	52.8	73.0	113.1	210.6	0.0	1.4	29.5	0.0	2.9	0.0
05	83.7	53.0	68.4	4.2	2.1	2.9	421.7	364.1	282.0	161.3	71.5	47.8	7.9	12.2	23.2	57.4	0.9	10.3	30.9	0.0	0.1	0.0
06	91.8	62.1	76.9	3.5	2.2	2.7	658.4	598.4	508.4	359.3	216.2	164.2	0.0	0.1	0.1	1.0	4.9	20.3	30.0	0.0	0.0	0.0
07	92.5	65.3	78.9	3.0	1.8	2.2	740.9	678.9	585.9	431.3	278.7	219.2	0.0	0.0	0.0	0.4	4.2	23.9	31.0	0.0	0.0	0.0
08	91.4	64.2	77.8	3.3	2.1	2.5	706.7	644.7	551.6	397.2	245.7	188.3	0.0	0.0	0.0	0.5	2.3	21.7	31.0	0.0	0.0	0.0
09	84.3	56.9	70.6	3.4	2.5	2.5	470.6	412.2	326.4	193.1	85.3	53.2	2.6	4.2	8.4	25.1	0.4	9.4	30.0	0.0	0.0	0.0
10	75.2	45.0	60.1	2.5	2.6	1.8	206.0	160.7	102.6	35.7	6.8	3.0	48.0	64.7	99.5	187.6	0.0	1.7	30.3	0.1	1.8	0.0
11	63.3	32.9	48.1	4.8	2.9	3.5	30.6	18.4	7.2	0.7	0.0	0.0	237.5	285.4	364.1	507.6	0.0	0.0	26.4	0.3	13.4	0.0
12	55.0	25.9	40.5	3.8	2.2	2.4	2.0	0.7	0.1	0.0	0.0	0.0	453.0	513.6	606.1	761.0	0.0	0.0	22.3	1.3	24.9	0.0
Summary	74.5	44.6	59.5	3.7	2.4	2.6	3465	3042	2455	1603	908	677	1787	2094	2603	3575	12.7	88.8	334.2	4.9	98.8	0.1

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	0.52	2.0	1.3	0.4	0.0	0.02	0.25	0.86	
02	0.59	2.6	1.6	0.2	0.1	0.12	0.43	0.87	
03	1.04	3.1	1.8	0.6	0.3	0.10	0.45	1.25	
04	0.91	2.6	1.6	0.3	0.2	0.08	0.59	1.14	
05	1.56	4.4	2.5	1.2	0.3	0.20	1.17	2.03	
06	1.99	4.5	3.4	1.5	0.5	0.66	1.66	2.85	
07	2.10	4.8	3.3	1.2	0.5	0.73	1.99	2.87	
08	2.10	5.5	3.4	1.4	0.8	0.65	1.29	3.16	
09	2.48	5.3	3.5	1.7	0.4	0.97	1.83	3.39	
10	1.43	4.1	2.4	0.8	0.3	0.40	0.92	1.80	
11	0.70	2.4	1.6	0.5	0.3	0.04	0.33	0.75	
12	0.77	2.8	2.0	0.4	0.0	0.14	0.58	1.21	
Summary	16.19	44.1	28.4	10.2	3.7	4.11	11.49	22.18	

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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

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	0.50	0.3	0.2	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.00	0.00	0.50
02	0.90	0.5	0.3	0.1	0.0	0.0	0.4	0.2	0.0	0.0	0.00	0.00	0.80
03	0.00	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.00	0.00	0.00
04	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
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	0.20	0.3	0.2	0.0	0.0	0.0	0.4	0.1	0.0	0.0	0.00	0.00	0.00
12	1.10	0.7	0.5	0.1	0.1	0.0	0.6	0.4	0.2	0.0	0.00	0.00	0.70
Summary	2.7	1.8	1.2	0.2	0.1	0.0	1.9	0.7	0.2	0.0	0.0	0.0	2.0

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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	98.3	165.4	362.4	563.0	878.9	1108.3	1205.9	1171.6	918.0	626.8	275.6	115.7
45	39.3	84.0	232.9	418.9	724.6	958.3	1050.9	1016.6	768.0	477.5	164.5	48.3
50	11.3	33.1	127.1	282.9	571.3	808.3	895.9	861.6	618.7	334.6	81.2	13.4
55	1.7	9.0	53.7	163.9	421.7	658.4	740.9	706.7	470.6	206.0	30.6	2.0
60	0.3	1.7	15.2	74.1	282.0	508.4	585.9	551.6	326.4	102.6	7.2	0.1
Growing Degree Units for Corn (Monthly)												
50/86	117.6	158.7	278.8	382.4	548.8	708.2	785.5	765.7	593.2	406.6	217.1	123.2
Growing Degree Units (Accumulated Monthly)												
40	98	264	626	1189	2068	3176	4382	5554	6472	7099	7374	7490
45	39	123	356	775	1500	2458	3509	4526	5294	5771	5936	5984
50	11	44	172	454	1026	1834	2730	3591	4210	4545	4626	4639
55	2	11	64	228	650	1308	2049	2756	3227	3433	3463	3465
60	0	2	17	91	373	882	1468	2019	2346	2448	2455	2455
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	118	276	555	937	1486	2194	2980	3746	4339	4746	4963	5086

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