

Summary of Monthly Normals
1991-2020

Generated on 04/27/2024

Current Location: Elev: 465 ft. Lat: 31.7831° N Lon: 95.6039° W
Station: **PALESTINE 2 NE, TX US USW00093914**

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	58.9	35.2	47.0	3.5	3.3	3.2	40.3	28.3	16.1	4.8	0.5	0.2	286.5	336.6	417.4	561.2	0.0	0.0	24.0	0.5	12.7	0.0
02	62.7	38.9	50.8	4.3	3.6	3.7	65.9	49.0	29.7	10.5	2.4	1.0	183.4	222.5	287.2	408.1	0.0	0.1	23.7	0.4	7.8	0.0
03	70.1	45.3	57.7	3.8	3.9	3.7	163.4	126.8	80.7	29.1	5.1	1.6	79.8	105.1	152.0	255.4	0.0	0.0	29.9	0.1	2.6	0.0
04	76.9	52.5	64.7	2.7	3.5	2.9	305.4	253.4	182.1	88.8	28.7	15.4	14.2	22.2	41.0	97.7	0.0	0.4	29.9	0.0	0.2	0.0
05	83.6	62.1	72.8	2.6	2.6	2.4	553.6	492.1	401.3	257.1	133.4	93.5	0.3	0.9	3.0	13.8	0.0	3.9	31.0	0.0	0.0	0.0
06	89.9	69.3	79.6	3.1	2.0	2.3	737.8	677.8	587.9	438.0	289.0	231.2	0.0	0.0	0.0	0.1	0.6	14.8	30.0	0.0	0.0	0.0
07	93.9	72.3	83.1	2.8	1.7	2.1	871.0	809.0	716.1	561.1	406.1	344.2	0.0	0.0	0.0	0.0	2.7	25.5	31.0	0.0	0.0	0.0
08	94.7	71.3	83.0	3.2	2.3	2.5	867.7	805.7	712.8	557.9	402.9	341.3	0.0	0.0	0.0	0.0	4.2	25.3	31.0	0.0	0.0	0.0
09	89.0	64.8	76.9	3.0	2.7	2.2	656.9	596.9	507.1	360.1	223.1	172.7	0.0	0.0	0.2	3.1	0.5	14.5	30.0	0.0	0.0	0.0
10	79.9	54.2	67.1	2.7	3.2	2.2	383.5	327.4	248.6	137.4	60.3	39.5	9.9	15.9	30.1	73.8	0.0	2.4	31.0	0.0	0.2	0.0
11	68.1	43.6	55.8	4.0	3.7	3.6	134.8	104.7	67.4	25.9	7.2	3.8	109.0	138.9	191.7	300.3	0.0	0.0	28.4	0.0	4.5	0.0
12	60.4	36.8	48.6	3.2	3.0	2.7	51.0	37.1	21.9	7.5	1.5	0.7	249.1	297.3	375.2	515.8	0.0	0.0	25.3	0.1	10.1	0.0
Summary	77.3	53.9	65.6	3.2	3.0	2.8	4831	4308	3572	2478	1560	1245	932	1139	1498	2229	8.0	86.9	345.2	1.1	38.1	0.0

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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	4.05	9.9	5.7	2.9	1.4	2.05	4.35	5.32	
02	3.87	10.0	6.1	2.6	1.3	2.20	3.50	5.66	
03	4.11	10.2	5.6	2.7	1.4	2.49	3.52	6.18	
04	4.13	8.8	5.6	2.8	1.4	1.86	3.15	5.12	
05	4.32	9.3	5.7	3.0	1.7	2.33	3.73	5.87	
06	4.50	8.5	5.2	2.9	1.5	1.88	3.81	5.41	
07	2.57	6.6	4.0	1.6	0.8	0.67	2.38	3.71	
08	3.66	6.1	4.1	2.1	1.2	1.77	2.89	4.43	
09	3.31	7.5	4.8	1.8	0.9	1.44	3.06	4.55	
10	4.23	7.1	4.7	2.8	1.6	1.97	3.57	5.79	
11	3.85	9.2	5.6	2.6	1.5	1.73	3.30	4.53	
12	4.20	9.6	5.9	2.7	1.4	2.44	3.41	5.81	
Summary	46.80	102.8	63.0	30.5	16.1	22.83	40.67	62.38	

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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	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
02	0.10	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
03	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
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	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
12	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
Summary	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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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	257.9	323.9	553.2	741.2	1018.3	1187.9	1336.0	1332.8	1106.9	838.7	482.2	292.5
45	155.6	212.6	407.5	591.8	863.3	1037.8	1181.0	1177.7	956.9	684.5	347.1	181.1
50	84.1	125.3	274.4	444.8	708.3	887.8	1026.0	1022.7	806.9	531.5	228.9	101.6
55	40.3	65.9	163.4	305.4	553.6	737.8	871.0	867.7	656.9	383.5	134.8	51.0
60	16.1	29.7	80.7	182.1	401.3	587.9	716.1	712.8	507.1	248.6	67.4	21.9
Growing Degree Units for Corn (Monthly)												
50/86	171.8	210.9	351.5	484.0	693.2	819.6	901.3	884.5	744.6	553.6	309.3	191.6

Growing Degree Units (Accumulated Monthly)												
40	258	582	1135	1876	2894	4082	5418	6751	7858	8697	9179	9472
45	156	368	776	1368	2231	3269	4450	5627	6584	7269	7616	7797
50	84	209	484	929	1637	2525	3551	4573	5380	5912	6141	6242
55	40	106	270	575	1129	1866	2737	3605	4262	4645	4780	4831
60	16	46	126	309	710	1298	2014	2727	3234	3482	3550	3572
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	172	383	734	1218	1911	2731	3632	4517	5261	5815	6124	6316

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