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

Summary of Monthly Normals
1991-2020
Generated on 09/22/2024

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

Current Location: Elev: 302 ft. Lat: 32.4892° N Lon: 94.3289° W

Station: **MARSHALL, TX US USC00415618**

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	57.1	33.1	45.1	3.5	3.3	3.2	26.2	17.6	9.5	2.3	0.3	0.0	332.9	386.4	471.1	619.0	0.0	0.0	21.8	0.6	13.2	0.0
02	61.5	36.7	49.1	4.3	3.4	3.7	45.9	32.2	16.7	4.6	0.8	0.3	211.1	253.3	321.8	449.7	0.0	0.0	22.8	0.4	7.3	0.0
03	68.7	43.7	56.2	3.7	3.8	3.6	135.8	103.5	63.5	22.8	4.3	1.6	98.6	128.3	181.3	295.6	0.0	0.0	29.3	0.0	2.5	0.0
04	76.3	50.8	63.6	3.1	3.2	2.9	274.9	225.1	158.0	71.2	22.3	11.8	18.4	28.5	51.4	114.7	0.0	0.3	29.9	0.0	0.2	0.0
05	83.3	60.1	71.7	2.5	2.3	2.2	518.2	457.1	366.9	226.1	108.9	72.8	0.5	1.4	4.2	18.5	0.0	3.6	31.0	0.0	0.0	0.0
06	90.2	67.8	79.0	3.1	2.0	2.3	719.9	659.9	569.9	420.1	272.2	215.5	0.0	0.0	0.1	0.3	0.7	15.6	30.0	0.0	0.0	0.0
07	93.9	70.8	82.3	2.8	1.6	2.0	847.8	785.8	692.8	537.8	383.1	321.4	0.0	0.0	0.0	0.0	2.9	25.3	31.0	0.0	0.0	0.0
08	94.2	70.3	82.3	3.8	2.2	2.8	844.6	782.6	689.5	534.5	380.2	319.2	0.0	0.0	0.0	0.0	4.2	24.2	31.0	0.0	0.0	0.0
09	88.3	63.8	76.0	3.3	2.8	2.6	631.5	571.7	482.5	337.7	204.0	155.5	0.1	0.3	1.1	6.4	0.6	12.7	30.0	0.0	0.0	0.0
10	78.3	51.8	65.1	2.7	2.9	2.2	326.9	273.4	199.5	102.6	40.2	24.3	15.3	23.8	42.9	101.0	0.0	1.5	30.9	0.0	0.3	0.0
11	67.2	42.1	54.7	4.0	3.9	3.5	107.3	80.4	48.9	17.4	4.0	1.6	117.8	150.8	209.3	327.8	0.0	0.0	28.0	0.0	4.0	0.0
12	58.9	34.9	46.9	3.5	3.1	2.8	37.7	26.6	15.0	4.3	0.7	0.2	288.7	339.6	420.9	565.2	0.0	0.0	23.6	0.2	11.3	0.0
Summary	76.5	52.2	64.3	3.4	2.9	2.8	4517	4016	3313	2281	1421	1124	1083	1312	1704	2498	8.4	83.2	339.3	1.2	38.8	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	4.20	9.0	6.3	3.0	1.5	2.31	4.22	5.97
02	3.98	9.1	6.3	2.7	1.3	2.37	3.32	5.10
03	5.07	9.3	6.7	3.3	1.7	3.22	5.14	6.74
04	4.78	7.4	5.5	2.8	1.8	2.47	3.79	5.18
05	4.62	8.7	5.8	3.0	1.5	2.28	4.20	6.83
06	4.66	7.8	5.7	2.7	1.6	2.05	4.50	6.13
07	3.65	6.7	4.9	2.3	1.0	1.92	2.75	4.33
08	3.05	5.9	4.2	2.3	1.0	1.33	2.28	4.58
09	3.50	6.2	4.5	2.3	1.1	1.62	2.45	5.28
10	4.67	7.0	5.3	3.1	1.7	2.11	4.16	6.59
11	4.25	7.8	5.4	2.6	1.5	1.90	3.88	5.84
12	4.91	9.3	6.3	3.2	1.8	3.22	4.39	6.72
Summary	51.34	94.2	66.9	33.3	17.5	26.80	45.08	69.29

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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	0.30	0.2	0.1	0.0	0.0	0.0	0.3	0.2	0.0	0.0	0.00	0.00	0.00
02	0.40	0.2	0.1	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.00	0.00	0.00
03	0.10	0.2	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	0.00	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	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
Summary	0.8	0.7	0.2	0.0	0.0	0.0	0.6	0.2	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	212.9	277.1	507.6	706.6	982.7	1169.9	1312.8	1309.6	1081.4	776.9	445.6	249.2
45	120.8	172.7	364.0	557.3	827.7	1019.9	1157.8	1154.5	931.3	622.6	311.2	147.4
50	60.6	96.0	237.0	411.3	672.7	869.9	1002.8	999.5	781.3	470.7	195.3	78.8
55	26.2	45.9	135.8	274.9	518.2	719.9	847.8	844.6	631.5	326.9	107.3	37.7
60	9.5	16.7	63.5	158.0	366.9	569.9	692.8	689.5	482.5	199.5	48.9	15.0
Growing Degree Units for Corn (Monthly)												
50/86	148.4	184.8	319.6	453.9	657.9	796.4	877.5	867.5	722.5	503.1	285.1	167.0
Growing Degree Units (Accumulated Monthly)												
40	213	490	998	1704	2687	3857	5170	6479	7561	8338	8783	9032
45	121	294	658	1215	2042	3062	4220	5375	6306	6929	7240	7387
50	61	157	394	805	1478	2348	3350	4350	5131	5602	5797	5876
55	26	72	208	483	1001	1721	2569	3413	4045	4372	4479	4517
60	10	26	90	248	615	1184	1877	2567	3049	3249	3298	3313
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	148	333	653	1107	1765	2561	3438	4306	5028	5532	5817	5984

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

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