

Summary of Monthly Normals
1991-2020

Generated on 06/04/2024

Current Location: Elev: 1500 ft. Lat: 36.4731° N Lon: 82.4044° W
Station: **BRISTOL TRI CITY AP, TN US USW00013877**

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	46.5	26.3	36.4	4.2	4.5	4.2	3.1	1.5	0.4	0.0	0.0	0.0	579.5	639.9	731.8	886.5	0.0	0.0	12.6	3.8	21.8	0.2
02	50.9	29.2	40.0	4.7	3.9	4.1	5.8	3.4	1.4	0.1	0.0	0.0	424.3	477.9	559.9	698.7	0.0	0.0	15.8	1.7	18.3	0.2
03	59.4	35.4	47.4	4.4	3.3	3.7	31.2	19.2	8.3	0.9	0.0	0.0	266.7	316.8	398.9	546.5	0.0	0.0	24.7	0.3	12.3	0.0
04	69.4	43.3	56.4	3.0	2.5	2.7	122.8	89.9	50.7	13.1	1.4	0.2	82.3	109.4	160.2	272.5	0.0	0.0	29.1	0.0	3.5	0.0
05	77.1	52.3	64.7	3.2	3.1	3.0	312.3	258.1	183.6	81.3	19.0	7.3	11.6	19.4	37.9	90.6	0.0	0.4	31.0	0.0	0.2	0.0
06	83.8	60.7	72.3	2.6	1.7	1.8	517.4	457.6	368.5	224.8	100.0	60.1	0.0	0.2	1.1	7.3	0.1	4.4	30.0	0.0	0.0	0.0
07	86.4	64.7	75.6	2.6	1.8	2.0	637.0	575.0	482.0	327.1	177.2	122.7	0.0	0.0	0.0	0.0	0.0	8.4	31.0	0.0	0.0	0.0
08	85.8	63.2	74.5	2.9	2.1	2.3	604.4	542.4	449.4	295.0	147.9	97.9	0.0	0.0	0.0	0.6	0.0	6.9	31.0	0.0	0.0	0.0
09	80.7	56.4	68.6	3.4	2.7	2.8	408.9	351.2	267.5	142.4	51.9	28.7	2.5	4.8	11.1	35.9	0.0	2.9	30.0	0.0	0.0	0.0
10	70.2	44.3	57.3	2.8	3.2	2.6	141.7	106.1	62.7	19.0	4.8	2.3	72.0	98.3	147.9	259.3	0.0	0.1	30.3	0.0	3.1	0.0
11	58.7	34.2	46.4	4.5	2.7	3.3	24.7	15.8	7.0	0.8	0.0	0.0	281.1	332.2	413.5	557.3	0.0	0.0	23.5	0.1	14.9	0.0
12	49.5	29.2	39.3	4.7	3.7	4.0	5.3	2.8	0.7	0.0	0.0	0.0	490.4	549.9	640.8	795.1	0.0	0.0	15.7	1.5	20.1	0.0
Summary	68.2	44.9	56.6	3.6	2.9	3.0	2815	2423	1882	1104	502	319	2210	2549	3103	4150	0.1	23.1	304.7	7.4	94.2	0.4

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	3.65	12.7	7.4	2.4	0.8	2.49	3.54	4.39	
02	3.81	12.7	7.9	2.5	0.7	2.15	3.31	4.52	
03	3.96	13.6	8.5	2.7	0.7	2.69	3.85	4.62	
04	3.79	11.7	7.7	2.7	0.7	2.52	3.58	4.89	
05	3.82	12.6	8.2	2.7	0.7	2.31	3.91	4.92	
06	3.92	12.4	8.6	2.5	0.7	2.80	3.67	4.55	
07	5.00	12.8	8.9	3.7	1.3	3.82	4.86	5.79	
08	3.76	10.8	6.9	2.6	1.0	2.43	3.44	4.69	
09	2.84	8.4	5.4	2.0	0.7	1.44	2.55	3.99	
10	2.52	8.5	5.4	1.7	0.4	1.47	2.38	3.40	
11	3.14	9.8	6.1	2.0	0.7	2.13	3.03	4.38	
12	3.76	12.2	7.7	2.8	0.7	2.61	3.47	5.22	
Summary	43.97	138.2	88.7	30.3	9.1	28.86	41.59	55.36	

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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	3.00	2.8	1.1	0.2	0.0	0.0	2.7	0.8	0.5	0.1	0.30	2.00	3.80
02	3.00	2.7	0.9	0.2	0.0	0.0	2.1	0.9	0.4	0.1	0.00	1.20	4.30
03	1.10	1.1	0.2	0.1	0.0	0.0	0.5	0.2	0.1	0.0	0.00	0.20	0.80
04	0.10	0.2	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	0.30	0.4	0.1	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.00	0.00	0.10
12	1.70	1.6	0.5	0.1	0.1	0.0	1.3	0.6	0.3	0.0	0.00	0.10	1.70
Summary	9.2	8.8	2.8	0.6	0.1	0.0	6.9	2.5	1.3	0.2	0.3	3.5	10.7

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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	78.3	104.9	266.1	493.2	765.7	967.4	1102.0	1069.4	856.4	536.7	229.5	104.9
45	34.6	49.2	158.2	351.4	610.7	817.4	947.0	914.4	706.4	388.8	129.2	49.0
50	12.2	19.0	79.0	224.9	457.8	667.4	792.0	759.4	556.7	253.0	62.1	19.3
55	3.1	5.8	31.2	122.8	312.3	517.4	637.0	604.4	408.9	141.7	24.7	5.3
60	0.4	1.4	8.3	50.7	183.6	368.5	482.0	449.4	267.5	62.7	7.0	0.7
Growing Degree Units for Corn (Monthly)												
50/86	48.7	71.9	171.2	308.8	486.7	650.0	758.4	729.9	558.3	338.4	154.5	63.9

Growing Degree Units (Accumulated Monthly)												
40	78	183	449	942	1708	2676	3778	4847	5703	6240	6470	6574
45	35	84	242	593	1204	2022	2968	3883	4589	4978	5107	5156
50	12	31	110	335	793	1460	2252	3012	3568	3821	3884	3903
55	3	9	40	163	475	993	1630	2234	2643	2785	2809	2815
60	0	2	10	61	244	613	1095	1544	1812	1875	1882	1882
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	49	121	292	601	1087	1737	2496	3226	3784	4122	4277	4341

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