

**Summary of Annual Normals  
 1981-2010**

Generated on 04/15/2015

Elev: 1500 ft. Lat: 36.473° N Lon: 82.404° W  
 Station: **BRISTOL TRI CITY AIRPORT, TN US GHCND:USW00013877**

**Freeze Data**

**Spring Freeze Dates (Month/Day)**

Temp (F)	Probability of later date in spring (through Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	5/17	5/11	5/07	5/04	5/01	4/28	4/25	4/21	4/16
32	5/06	5/01	4/26	4/22	4/19	4/16	4/13	4/09	4/04
28	4/22	4/17	4/13	4/10	4/06	4/03	3/31	3/27	3/21
24	4/10	4/05	4/01	3/28	3/25	3/21	3/17	3/12	3/05
20	3/29	3/24	3/19	3/14	3/10	3/05	2/28	2/23	2/16
16	3/17	3/10	3/02	2/26	2/20	2/15	2/10	2/05	1/30

**Fall Freeze Dates (Month/Day)**

Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/29	10/03	10/06	10/08	10/11	10/14	10/16	10/20	10/26
32	10/07	10/11	10/15	10/17	10/20	10/23	10/26	10/30	11/04
28	10/16	10/21	10/25	10/28	10/31	11/02	11/05	11/09	11/15
24	10/28	11/02	11/06	11/09	11/12	11/16	11/20	11/25	12/01
20	11/09	11/15	11/20	11/24	11/28	12/01	12/04	12/09	12/16
16	11/22	11/30	12/03	12/06	12/11	12/15	12/20	12/25	1/01

**Freeze Free Period**

Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	183	176	170	166	162	158	154	148	142
32	205	198	193	188	183	179	175	169	161
28	230	222	216	211	207	203	198	193	185
24	259	250	244	238	233	228	223	217	209
20	290	280	273	267	262	257	251	244	236
16	320	311	303	297	291	285	279	271	261

\* Probability of observing a temperature as cold or colder than the indicated threshold, later in the spring or earlier in the fall than the indicated date

-4444: year-round risk of frost-freeze

-6666: parameter undefined; insufficient occurrences to compute value

-7777: a non-zero value that would round to zero

blank: missing or insufficient data