

**** SEE FOOTNOTES ON USING THIS CHART ON PAGE 2 ****

CONNECTICUT FREEZE/FROST OCCURRENCE DATA

STATION NAME	Temp. Threshold (Fahrenheit)	SPRING DATE			FALL DATE			FREEZE-FREE PERIOD (DAYS)			FREEZE/FROST PROBABILITY ⁴
		PROBABILITY LEVEL ¹			PROBABILITY LEVEL ²			PROBABILITY LEVEL ³			
		↓	↓	↓	↓	↓	↓	↓	↓	↓	
		90%	50%	10%	10%	50%	90%	10%	50%	90%	
DANBURY	36°	May 03	May 18	Jun 01	Sep 14	Sep 24	Oct 03	147	129	111	45%
	32°	Apr 16	Apr 30	May 15	Sep 22	Oct 06	Oct 20	179	158	137	37%
	28°	Apr 01	Apr 14	Apr 26	Oct 03	Oct 18	Nov 01	206	186	167	28%
FALLS VILLAGE	36°	May 17	May 31	Jun 15	Sep 05	Sep 17	Sep 28	129	108	86	52%
	32°	May 04	May 19	June 03	Sep 12	Sep 25	Oct 09	147	128	109	45%
	28°	Apr 21	May 05	May 18	Sep 21	Oct 07	Oct 23	175	155	135	37%
HARTFORD BRAINARD FLD	36°	Apr 30	May 13	May 26	Sep 15	Oct 02	Oct 18	163	141	119	45%
	32°	Apr 08	Apr 25	May 12	Sep 23	Oct 10	Oct 26	192	167	142	38%
	28°	Apr 02	Apr 12	Apr 22	Oct 09	Oct 23	Nov 05	210	193	177	29%
MIDDLETOWN 4W	36°	Apr 24	May 09	May 23	Sep 16	Oct 03	Oct 19	172	146	120	41%
	32°	Apr 04	Apr 23	May 12	Sep 25	Oct 12	Oct 30	199	172	144	33%
	28°	Mar 26	Apr 07	Apr 18	Oct 10	Oct 27	Nov 12	221	202	183	24%
MOUNT CARMEL	36°	May 01	May 15	May 29	Sep 19	Sep 30	Oct 10	153	137	120	44%
	32°	Apr 17	May 01	May 14	Sep 24	Oct 08	Oct 23	182	160	138	36%
	28°	Mar 31	Apr 13	Apr 27	Oct 09	Oct 24	Nov 07	214	193	171	27%
NORFOLK 2 SW	36°	May 11	May 27	Jun 11	Sep 09	Sep 21	Oct 02	138	116	95	52%
	32°	May 01	May 14	May 27	Sep 18	Oct 02	Oct 15	159	140	120	46%
	28°	Apr 14	Apr 27	May 11	Sep 30	Oct 16	Nov 01	194	171	148	37%
MORWALK GAS PLANT	36°	Apr 23	May 09	May 24	Sep 21	Oct 05	Oct 19	171	149	127	44%
	32°	Apr 09	Apr 24	May 08	Oct 02	Oct 14	Oct 27	191	173	155	36%
	28°	Mar 29	Apr 08	Apr 19	Oct 13	Oct 30	Nov 15	223	204	184	27%
SHEPAUG DAM	36°	May 04	May 19	June 03	Sep 11	Sep 24	Oct 07	145	127	109	48%
	32°	Apr 23	May 07	May 20	Sep 22	Oct 07	Oct 21	171	152	133	41%
	28°	Apr 07	Apr 20	May 02	Oct 05	Oct 20	Nov 04	202	183	163	31%
STORRS	36°	Apr 26	May 13	May 29	Sep 20	Oct 01	Oct 12	157	140	124	45%
	32°	Apr 15	Apr 30	May 14	Sep 24	Oct 12	Oct 30	190	165	140	38%
	28°	Apr 05	Apr 12	Apr 19	Oct 08	Oct 24	Nov 09	209	194	179	29%
WEST THOMPSON DAM	36°	May 13	May 29	Jun 14	Aug 30	Sep 15	Sep 30	129	108	87	52%
	32°	May 01	May 18	Jun 04	Sep 13	Sep 26	Oct 09	151	130	110	45%
	28°	Apr 16	May 02	May 18	Sep 24	Oct 09	Oct 23	185	159	132	36%
WIGWAM RESERVOIR	36°	May 08	May 25	Jun 10	Sep 10	Sep 25	Oct 09	147	122	98	49%
	32°	May 01	May 14	May 28	Sep 20	Oct 06	Oct 22	165	144	123	42%
	28°	Apr 12	Apr 26	May 10	Sep 29	Oct 16	Nov 02	193	172	152	32%

- ¹ % Probability of a later date in the spring (through July 31) than the date indicated. In other words, the percent chance that a temperature at or below the indicated threshold level will occur after the corresponding spring date.
- ² % Probability of an earlier date in the fall (beginning August 31) than the date indicated. In other words, the percent chance that a temperature at or below the indicated threshold level will occur before the corresponding fall date.
- ³ % Probability of a longer than indicated freeze/frost-free period. In other words, the percent chance that that period of days with temperatures above the indicated threshold level will exceed the corresponding number of days listed in the table.
- ⁴ Probability of a freeze/frost day within the yearly period. In other words, the average percentage of days in the year with temperatures at or below the corresponding threshold temperature.

PLEASE NOTE: This data is intended for use as general guidelines for your location; actual frost dates vary (sometimes considerably) from year to year. Station temperature readings are commonly made at a height of approximately five feet, and actual ground temperatures can be up to 4° F to 8° F less. Thus, ground frost can occur even when the measured temperature is 36° F. Site specifics, radiational cooling, and air drainage, as well as other factors, will all have influence over actual frost dates at your location.

The preceding was excerpted from Koss, W.J. et.al. *Climatology of the U.S No. 20, Supplement No. 1: Freeze Frost Data*. Published by the National Oceanic and Atmospheric Administration (NOAA), 1988.

