

Freeze / Frost Occurrence Data

ALL probabilities in whole percent. See notes for probability level description.

- Indicates the probability of occurrence of threshold temperature is less than indicated probability.

State And Station Name	Threshold (F)	Spring (Date)			Fall (Date)			Freeze Free Period (Days)			Probability Level (4)
		Probability Level (1)			Probability Level (2)			Probability Level (3)			
		90	50	10	10	50	90	10	50	90	
Massachusetts											
AMHERST	36 32 28	May06 Apr26 Apr17	May23 May10 Apr28	Jun08 May24 May09	Sep01 Sep17 Sep27	Sep16 Sep28 Oct13	Oct01 Oct09 Oct29	140 155 186	116 140 167	91 125 148	50 42 34
BARRE FALLS DAM	36 32 28	May19 May04 Apr21	Jun08 May22 May07	Jun28 Jun08 May22	Aug25 Sep03 Sep15	Sep06 Sep17 Sep30	Sep18 Oct02 Oct14	115 141 165	89 118 145	64 95 125	56 49 40
BEDFORD	36 32 28	May02 Apr21 Apr04	May14 May01 Apr15	May26 May12 Apr26	Sep14 Sep25 Oct06	Sep24 Oct07 Oct19	Oct04 Oct19 Nov01	147 174 203	133 158 186	119 142 170	47 39 30
BIRCH HILL DAM	36 32 28	May21 May09 Apr22	Jun07 May26 May05	Jun25 Jun13 May19	Aug22 Aug31 Sep19	Sep05 Sep15 Sep30	Sep19 Sep30 Oct10	112 137 160	89 111 147	66 85 133	57 50 41
BLUE HILL OBS MILTON	36 32 28	Apr19 Apr13 Mar25	Apr30 Apr22 Apr08	May11 May01 Apr23	Sep25 Oct03 Oct18	Oct06 Oct19 Nov02	Oct17 Nov05 Nov17	173 201 231	158 180 207	143 159 183	42 34 26
BOSTON LOGAN INTL AP	36 32 28	Apr10 Mar24 Mar15	Apr20 Apr07 Mar27	May01 Apr21 Apr08	Oct09 Oct23 Nov07	Oct24 Nov07 Nov21	Nov09 Nov21 Dec04	203 234 258	187 213 238	170 193 217	35 26 19
BROCKTON	36 32 28	Apr30 Apr17 Apr02	May18 Apr01 Apr18	Jun05 May16 May04	Sep15 Sep21 Oct06	Sep26 Oct06 Oct21	Oct07 Oct20 Nov05	149 174 211	131 157 186	112 139 160	46 38 28
BUFFUMVILLE LAKE	36 32 28	May02 Apr24 Apr10	May18 May06 Apr23	Jun04 May18 May05	Sep10 Sep22 Oct03	Sep22 Oct03 Oct16	Oct03 Oct14 Oct29	145 165 195	126 149 176	107 133 157	51 44 35
EAST BRIMFIELD LAKE	36 32 28	May03 Apr23 Apr13	May17 May06 Apr23	May31 May18 May02	Sep15 Sep24 Oct03	Sep25 Oct07 Oct17	Oct05 Oct20 Oct30	146 169 193	130 154 176	114 138 159	51 43 34
EAST WAREHAM	36 32 28	Apr24 Apr15 Mar29	May07 Apr25 Apr11	May20 May05 Apr23	Sep26 Oct06 Oct22	Oct08 Oct21 Nov04	Oct20 Nov04 Nov16	170 194 227	153 178 206	136 162 186	42 34 24
EDGARTOWN	36 32 28	Apr25 Apr12 Mar22	May08 Apr27 Apr09	May21 May12 Apr26	Oct01 Oct11 Oct21	Oct14 Oct26 Nov05	Oct27 Nov09 Nov20	178 204 232	158 181 210	138 158 188	38 30 21
HAVERHILL	36 32 28	Apr27 Apr19 Apr04	May13 May03 Apr19	May30 May17 May04	Sep11 Sep23 Oct04	Sep27 Oct08 Oct20	Oct13 Oct23 Nov05	162 183 207	136 158 183	110 132 159	47 39 30
HINGHAM	36 32 28	May01 Apr16 Apr04	May13 Apr30 Apr15	May25 May15 Apr27	Sep20 Oct02 Oct13	Oct01 Oct15 Oct27	Oct11 Oct28 Nov10	154 187 211	140 167 194	127 146 176	42 33 25
HYANNIS	36 32 28	Apr20 Apr10 Mar22	May08 Apr24 Apr07	May25 May07 Apr23	Oct02 Oct09 Oct25	Oct11 Oct23 Nov07	Oct21 Nov06 Nov20	176 202 236	156 182 214	136 162 191	39 31 22

LAWRENCE	36 32 28	Apr17 Apr11 Mar25	May02 Apr22 Apr09	May18 May03 Apr24	Sep26 Oct03 Oct16	Oct05 Oct17 Nov01	Oct14 Oct30 Nov17	173 195 227	155 177 205	138 158 184	44 36 28
LOWELL	36 32 28	Apr23 Apr16 Apr09	May08 Apr28 Apr20	May23 May10 May01	Sep17 Sep24 Oct03	Sep27 Oct09 Oct21	Oct07 Oct24 Nov09	158 183 205	141 163 184	124 142 163	48 41 32
MIDDLETON	36 32 28	Apr30 Apr15 Apr02	May11 May01 Apr15	May23 May16 Apr28	Sep14 Sep29 Oct09	Sep25 Oct11 Oct23	Oct06 Oct23 Nov07	149 182 215	136 162 191	123 142 166	44 37 28
NEW BEDFORD	36 32 28	Apr10 Apr01 Mar15	Apr23 Apr13 Mar29	May06 Apr26 Apr12	Oct01 Oct11 Nov02	Oct17 Nov02 Nov17	Nov02 Nov23 Dec01	197 230 253	176 202 232	155 173 211	35 27 19
PLYMOUTH-KINGSTON	36 32 28	Apr28 Apr15 Apr02	May13 May04 Apr20	May27 May23 May08	Sep22 Oct02 Oct15	Oct04 Oct17 Nov01	Oct16 Nov01 Nov17	161 193 225	144 165 194	126 137 163	44 37 28
READING	36 32 28	May04 Apr22 Apr08	May16 May04 Apr21	May28 May17 May03	Sep16 Sep24 Oct07	Sep26 Oct08 Oct21	Oct06 Oct22 Nov04	147 173 204	133 156 183	118 138 161	48 40 31
ROCHESTER	36 32 28	Apr24 Apr09 Mar24	May09 Apr23 Apr09	May24 May07 Apr24	Sep22 Oct01 Oct15	Oct04 Oct15 Nov01	Oct17 Oct30 Nov17	165 196 232	148 175 205	130 153 179	42 35 26
SOUTHBRIDGE 3 SW	36 32 28	May03 Apr21 Apr10	May15 May04 Apr20	May27 May17 May01	Sep17 Sep26 Oct06	Sep25 Oct09 Oct21	Oct04 Oct23 Nov05	146 177 202	132 157 183	118 138 164	50 42 33
TAUNTON	36 32 28	May01 Apr21 Apr09	May18 May05 Apr22	Jun05 May19 May04	Sep10 Sep21 Oct05	Sep22 Oct05 Oct20	Oct05 Oct20 Nov04	148 174 203	126 152 180	105 131 158	46 39 30
TULLY LAKE	36 32 28	May10 Apr28 Apr15	May24 May09 Apr26	Jun08 May20 May07	Sep07 Sep19 Oct01	Sep20 Sep28 Oct13	Oct03 Oct07 Oct25	138 154 185	118 141 170	98 128 155	54 47 37
WEST MEDWAY	36 32 28	May09 Apr28 Apr13	May25 May10 Apr27	Jun11 May22 May11	Aug29 Sep15 Sep26	Sep14 Sep25 Oct11	Sep30 Oct06 Oct27	133 153 189	111 138 167	89 122 144	51 44 35
WORCESTER RGNL AP	36 32 28	Apr24 Apr15 Apr03	May08 Apr26 Apr13	May22 May07 Apr23	Sep22 Sep29 Oct08	Oct02 Oct14 Oct25	Oct11 Oct29 Nov11	163 192 216	146 170 194	129 149 172	45 38 29

Notes:

- (1) Probability of later date in spring (thru Jul 31) than indicated.
- (2) Probability of earlier date in fall (beginning Aug 1) than indicated.
- (3) Probability of longer than indicated freeze free period.
- (4) Probability of Freeze/Frost in the yearly period (percent of days with temperatures at or below the threshold temperature).