

DOWNTOWN Portland: FREEZE DATA

To calculate Freeze Free period: Subtract the Julian date of day prior to the first freeze in autumn from the Julian day of the last freeze of spring (leap years add 1 day if spring freeze is after 28 Feb).

table format: date of occurrence (month.day) that day's minimum temperature and Julian (J) day

City	Last Freeze of Spring			First Freeze of Autumn			Freeze Free Period	City	Last Freeze of Spring			First Freeze of Autumn			Freeze Free Period
	Date	T	J	Date	T	J			Date	T	J	Date	T	J	
1875	4.07	28	94	11.16	30	320	225	1918	4.03	32	93	12.17	30	351	257
1876	2.27	32	58	12.05	32	340	281	1919	1.28	32	28	10.27	30	300	271
1877	3.04	31	63	10.31	31	304	240	1920	3.17	32	77	12.14	31	349	271
1878	4.14	32	104	11.11	32	315	210	1921	4.04	32	94	11.20	29	324	229
1879	2.05	25	36	11.01	32	305	268	1922	3.27	32	86	11.13	32	317	230
1880	3.21	32	81	11.18	26	323	241	1923	3.15	32	74	11.18	32	322	247
1881	3.14	31	73	10.13	32	286	212	1924	4.15	32	106	11.12	30	317	210
1882	4.27	32	117	11.10	29	314	196	1925	3.06	32	65	11.23	29	327	261
1883	2.24	31	55	12.09	32	343	287	1926	1.25	31	25	12.12	29	346	320
1884	3.08	28	68	12.06	32	341	272	1927	2.14	32	45	12.06	32	340	294
1885	2.23	32	54	12.11	29	345	290	1928	3.14	32	74	11.18	31	323	248
1886	3.18	32	77	11.02	30	306	228	1929	2.18	30	49	11.13	31	317	267
1887	4.03	31	93	11.16	30	320	226	1930	2.28	31	59	11.24	30	328	268
1888	4.09	32	100	11.24	31	329	228	1931	2.22	32	53	11.21	32	325	271
1889	2.25	30	56	11.16	32	320	263	1932	3.03	31	63	12.06	32	341	277
1890	4.14	32	104	11.06	32	310	205	1933	2.14	31	45	none	--	--	320
1891	3.29	31	88	12.06	31	340	251	1934	none	--	--	none	--	--	365
1892	2.16	30	47	12.07	32	342	294	1935	3.09	32	68	10.30	29	303	234
1893	4.17	32	107	11.01	28	305	197	1936	4.04	32	95	11.02	30	307	211
1894	5.09	32	129	11.16	32	320	190	1937	2.10	32	41	12.06	32	340	298
1895	4.04	32	94	10.30	31	303	208	1938	2.01	31	32	11.12	32	316	283
1896	3.31	29	91	11.06	32	311	219	1939	3.10	32	69	12.24	29	358	288
1897	3.30	32	90	11.19	32	323	232	1940	2.12	32	43	11.19	32	324	280
1898	4.03	32	93	11.07	32	311	217	1941	1.02	27	2	11.20	32	324	321
1899	4.13	31	103	12.19	32	353	249	1942	2.22	30	53	none	--	--	312
1900	2.18	31	49	11.19	27	323	273	1943	3.18	31	77	12.05	31	339	261
1901	2.21	29	52	12.12	26	346	293	1944	3.13	32	73	12.15	32	350	276
1902	3.28	30	87	11.23	31	327	239	1945	3.05	30	64	12.12	30	346	281
1903	3.14	32	73	11.24	31	328	254	1946	2.11	31	42	11.11	31	315	272
1904	4.23	32	114	12.05	29	340	225	1947	2.28	32	59	11.23	32	327	267
1905	3.30	32	90	10.18	32	291	200	1948	2.12	28	43	12.16	31	351	307
1906	3.18	32	77	11.24	30	328	250	1949	2.13	25	44	12.11	32	345	300
1907	3.12	32	71	12.08	32	342	270	1950	2.05	29	36	none	--	--	329
1908	3.09	30	69	11.27	32	332	262	1951	3.09	31	68	12.06	32	340	271
1909	1.28	29	28	11.14	32	318	289	1952	3.21	32	81	11.23	32	328	246
1910	2.23	29	54	12.20	31	354	299	1953	3.01	31	60	none	--	--	305
1911	4.13	30	103	11.10	28	314	210	1954	3.29	30	88	11.30	30	334	245
1912	3.09	32	69	11.28	31	333	263	1955	3.20	30	79	11.11	26	315	235
1913	3.25	29	84	12.04	32	338	253	1956	3.12	31	72	11.19	32	324	251
1914	2.09	32	40	12.11	31	345	304	1957	2.22	28	53	11.24	32	328	274
1915	2.15	30	46	11.27	32	331	284	1958	none	--	--	11.16	31	320	319
1916	3.04	32	64	11.11	32	316	251	1959	2.12	32	43	11.13	30	317	273
1917	3.16	32	75	none	--	--	290	1960	3.04	26	64	12.06	31	341	276

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City	Last Freeze of Spring			First Freeze of Autumn			Freeze Free Period		Last Freeze of Spring			First Freeze of Autumn			Freeze Free Period
	Date	T	J	Date	T	J			Date	T	J	Date	T	J	
1961	1.04	25	4	11.16	32	320	315	1996	3.26	32	86	11.18	32	323	236
1962	3.12	31	71	11.29	30	333	261	1997	2.08	32	39	12.22	32	356	316
1963	1.31	25	31	12.01	30	335	303	1998	3.06	32	65	12.18	32	352	286
1964	2.26	31	57	11.15	32	320	262	1999	1.05	32	5	none	--	--	360
1965	2.01	32	32	12.14	31	348	315	2000	3.06	31	66	11.11	31	316	249
1966	2.17	32	48	none	--	--	317	2001	2.13	32	44	none	--	--	321
1967	3.12	31	71	12.13	28	347	275	2002	3.08	30	89	10.31	31	304	214
1968	1.30	32	30	12.19	31	354	323	2003	2.26	31	57	11.01	30	305	247
1969	3.10	32	69	none	--	--	296	2004	1.22	31	22	11.28	32	333	310
1970	1.12	32	12	11.22	28	326	313	2005	2.15	30	46	11.21	31	325	278
1971	3.02	26	61	10.28	31	271	209	2006	3.13	31	72	11.28	29	332	259
1972	2.29	29	60	12.03	29	338	277	2007	3.15	32	74	11.25	30	329	254
1973	2.04	30	35	11.02	32	306	270	2008	4.01	31	92	12.14	26	349	256
1974	3.08	27	67	12.23	31	357	289	2009	3.11	30	70	12.04	32	338	258
1975	4.06	32	96	11.18	32	352	255	2010	none	--	--	11.21	32	325	325
1976	3.12	31	72	11.26	32	331	258	2011	2.28	32	28	11.20	31	324	297
1977	3.14	32	73	11.08	32	312	238	2012	3.22	32	82	12.15	25	350	267
1978	1.03	24	3	11.11	31	315	311	2013	3.04	32	63	11.21	29	325	261
1979	2.15	32	46	12.11	31	345	298	2014	3.02	32	61	11.12	32	316	254
1980	2.15	27	46	12.06	31	341	294	2015	1.31	31	31	11.22	32	326	296
1981	3.06	32	65	11.28	30	332	266	2016	1.08	32	8	12.06	32	341	254
1982	2.24	32	55	11.11	30	315	259	2017	2.03	29	34	12.13	32	347	314
1983	1.21	31	21	12.17	32	351	329	2018	3.06	32	65	none	--	--	300
1984	2.02	30	33	11.22	31	327	293	2019	3.11	31	70	11.29	30	333	264
1985	3.07	32	66	12.01	19	335	268	2020	3.14	32	74	10.25	32	299	226
1986	2.19	30	50	12.09	32	343	292	2021	3.16	16	75	12.26	30	360	286
1987	1.22	32	22	11.29	29	333	310	2022	4.11	31	101	11.11	32	315	215
1988	3.12	32	72	12.18	28	353	280	2023	3.02	31	61	10.28	32	301	241
1989	3.03	24	62	12.14	30	348	285	2024							
1990	3.13	31	72	12.18	31	352	279	2025							
1991	1.30	27	30	10.30	31	303	272	2026							
1992	2.05	30	36	12.04	32	339	302	2027							
1993	3.01	32	60	11.14	31	318	257	2028							
1994	2.08	25	39	11.03	32	307	267	2029							
1995	3.07	32	66	12.06	31	340	273	2030							

	24° F	28° F	32° F	36° F
Average Last Occurrence in Spring	26 Jan	2 Feb	1 Mar	6 Apr
<i>Latest occurrence in Spring</i>	15 Mar 1906	7 April 1875	9 May 1894	16 May 1876
Average First Occurrence in Autumn	27 Dec	20 Dec	27 Nov	7 Nov
<i>Earliest occurrence in Autumn</i>	3 Nov 1935	1 Nov 1893	13 Oct 1881	21 Sep 1895
Average Freeze Free Period	263 days			
<i>Shortest Freeze Free Period</i>	190 days [9 May to 16 Nov 1894]			
<i>Longest Freeze Free Period</i>	687 days [14 Feb 1933 to 3 Jan 1935]			

¹Averages are based on the period of record (1874-2023) data.