

AIRPORT Portland: FREEZE DATA*table format: date of occurrence (month.day) that day's minimum temperature and Julian (J) day*

PDX	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	
1940	--	--	--	11.04	32	309	---	1980	4.02	31	93	12.06	30	341	247
1941	3.14	30	73	11.20	29	324	250	1981	4.13	31	103	11.27	30	331	227
1942	3.24	32	83	11.12	29	316	232	1982	4.19	31	109	11.02	32	306	196
1943	3.20	29	79	11.23	32	327	247	1983	2.05	30	36	11.29	29	333	296
1944	3.29	32	89	11.14	31	319	229	1984	3.04	32	64	11.21	31	326	261
1945	4.02	31	92	11.19	32	323	230	1985	3.15	29	74	10.08	32	281	206
1946	4.07	32	97	10.16	30	289	191	1986	2.19	29	50	11.10	32	314	263
1947	3.06	31	65	11.21	32	325	259	1987	3.28	32	87	11.28	29	332	244
1948	4.27	32	118	10.27	32	301	182	1988	4.08	32	99	11.30	31	335	235
1949	4.03	32	93	10.18	31	291	197	1989	3.20	31	79	10.29	32	302	222
1950	4.24	32	114	11.10	32	314	199	1990	3.13	29	72	11.18	32	322	249
1951	4.21	29	111	10.30	31	303	191	1991	3.20	32	79	10.30	27	303	223
1952	4.08	32	99	11.08	32	313	213	1992	3.28	31	88	11.28	31	333	244
1953	4.02	32	92	11.02	31	306	213	1993	3.11	31	70	11.05	32	309	238
1954	5.01	29	121	10.27	32	300	178	1994	3.07	31	66	11.03	32	307	240
1955	4.25	32	115	11.11	26	315	199	1995	3.26	31	85	10.30	32	303	217
1956	4.06	30	97	11.19	25	324	226	1996	3.26	31	86	11.18	32	323	236
1957	4.07	32	97	11.04	27	308	210	1997	4.05	32	95	12.06	32	340	244
1958	3.16	28	75	10.24	30	297	221	1998	3.29	32	88	12.09	32	343	254
1959	3.20	32	79	10.29	31	302	222	1999	4.01	32	91	12.24	30	358	266
1960	3.19	30	79	11.07	32	312	232	2000	3.15	31	75	11.11	27	316	240
1961	3.28	30	87	10.20	32	293	205	2001	3.20	32	79	11.07	31	311	231
1962	3.28	28	87	11.27	32	331	243	2002	3.18	31	77	10.31	32	304	226
1963	3.17	31	76	10.26	30	299	222	2003	3.02	32	61	10.31	32	304	242
1964	5.02	32	123	10.23	32	297	173	2004	2.20	31	51	11.05	31	310	258
1965	4.06	32	96	11.24	32	328	231	2005	2.23	31	54	11.20	31	324	269
1966	4.19	32	109	12.25	32	359	249	2006	3.20	32	79	10.30	32	303	223
1967	4.15	31	105	11.06	32	310	204	2007	4.03	32	93	11.02	32	306	212
1968	4.22	32	113	11.01	31	306	192	2008	4.01	31	92	12.05	30	340	247
1969	3.24	29	83	10.14	31	287	203	2009	4.04	31	94	12.02	31	336	241
1970	4.12	30	102	10.26	32	299	196	2010	3.18	30	77	11.21	32	325	247
1971	4.03	32	93	10.27	32	300	206	2011	4.08	31	98	11.02	30	306	207
1972	4.22	30	113	10.29	30	303	189	2012	4.07	31	98	12.29	29	364	265
1973	2.20	29	51	11.02	29	306	254	2013	3.09	31	68	10.29	32	302	233
1974	3.18	30	77	11.28	31	332	254	2014	3.22	32	81	11.12	32	316	234
1975	4.08	31	98	11.17	30	321	222	2015	3.05	32	64	11.21	32	325	260
1976	4.02	31	93	11.20	32	325	231	2016	2.02	32	33	12.06	29	341	309
1977	4.17	31	107	11.03	32	307	199	2017	3.19	32	78	12.09	26	343	266
1978	3.15	28	74	10.26	32	299	224	2018	3.06	30	65	11.09	32	313	247
1979	2.21	32	52	11.11	31	315	262	2019	3.11	29	70	10.30	29	303	232

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	Date	T	J	Date	T	J			Date	T	J	Date	T	J		
2020	3.17	30	77	10.26	29	299	223	2025								
2021	4.11	32	101	12.26	32	360	260	2026								
2022	3.10	28	69	11.13	30	317	248	2027								
2023	3.16	30	75	10.28	30	301	237	2028								
2024								2029								
<i>¹Averages are period of record data (1940-2021)</i>							24° F	28° F	32° F	36° F						
Average Last Occurrence in Spring							28 Jan	20 Feb	25 Mar	18 Apr						
Latest occurrence in Spring							30 Mar 1954	30 Mar 1968	2 May 1964	23 May 1964						
Average First Occurrence in Autumn							25 Dec	2 Dec	11 Nov	27 Oct						
Earliest occurrence in Autumn							12 Nov 1978	19 Oct 1949	8 Oct 1985	17 Sep 1965						
Average Freeze Free Period							232 days									
Shortest Freeze Free Period							178 days	1 May to 27 October 1954								
Longest Freeze Free Period							309 days	2 February to 6 December 2016								

Julian Day Converter

If is a leap year, then assign 29 February as Julian 60, and add 1 day for all others that year.

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	1	32	60	91	121	152	182	213	244	274	305	335
2	2	33	61	92	122	153	183	214	245	275	306	336
3	3	34	62	93	123	154	184	215	246	276	307	337
4	4	35	63	94	124	155	186	216	247	277	308	338
5	5	36	64	95	125	156	185	217	248	278	309	339
6	6	37	65	96	126	157	187	218	249	279	310	340
7	7	38	66	97	127	158	188	219	250	280	311	341
8	8	39	67	98	128	159	189	220	251	281	312	342
9	9	40	68	99	129	160	190	221	252	282	313	343
10	10	41	69	100	130	161	191	222	253	283	314	344
11	11	42	70	101	131	162	192	223	254	284	315	345
12	12	43	71	102	132	163	193	224	255	285	316	346
13	13	44	72	103	133	164	194	225	256	286	317	347
14	14	45	73	104	134	165	195	226	257	287	318	348
15	15	46	74	105	135	166	196	227	258	288	319	349
16	16	47	75	106	136	167	197	228	259	289	320	350
17	17	48	76	107	137	168	198	229	260	290	321	351
18	18	49	77	108	138	169	199	230	261	291	322	352
19	19	50	78	109	139	170	200	231	262	292	323	353
20	20	51	79	110	140	171	201	232	263	293	324	354
21	21	52	80	111	141	172	202	233	264	294	325	355
22	22	53	81	112	142	173	203	234	265	295	326	356
23	23	54	82	113	143	174	204	235	266	296	327	357
24	24	55	83	114	144	175	205	236	267	297	328	358
25	25	56	84	115	145	176	206	237	268	298	329	359
26	26	57	85	116	146	177	207	238	269	299	330	360
27	27	58	86	117	147	178	208	239	270	300	331	361
28	28	59	87	118	148	179	209	240	271	301	332	362
29	29	--	88	119	149	180	210	241	272	302	333	363
30	30		89	120	150	181	211	242	273	303	334	364
31	31		90		151		212	243		304		365