

U.S. Department of Commerce  
 National Oceanic & Atmospheric Administration  
 National Environmental Satellite, Data, and Information  
 Service

**Summary of Annual Normals  
 1981-2010**

National Climatic Data Center  
 Federal Building  
 151 Patton Avenue  
 Asheville, North Carolina 28801  
 www.ncdc.noaa.gov

Station: **MINNEAPOLIS ST PAUL INTERNATIONAL AIRPORT, MN US**

GHCND:USW00014922  
 Elev: 266 ft. Lat: 44.883° N Lon: 93.229° W

<b>Freeze Data</b>									
<b>Spring Freeze Dates (Month/Day)</b>									
<b>Temp (F)</b>	<b>Probability of later date in spring (through Jul 31) than indicated(*)</b>								
	<b>.10</b>	<b>.20</b>	<b>.30</b>	<b>.40</b>	<b>.50</b>	<b>.60</b>	<b>.70</b>	<b>.80</b>	<b>.90</b>
<b>36</b>	5/24	5/17	5/12	5/08	5/05	5/02	4/30	4/27	4/22
<b>32</b>	5/10	5/04	4/30	4/28	4/25	4/22	4/19	4/16	4/11
<b>28</b>	4/29	4/24	4/21	4/18	4/15	4/12	4/09	4/06	4/02
<b>24</b>	4/19	4/14	4/11	4/08	4/06	4/03	4/01	3/30	3/23
<b>20</b>	4/11	4/06	4/03	4/01	3/30	3/27	3/23	3/20	3/15
<b>16</b>	4/03	3/31	3/28	3/25	3/22	3/19	3/16	3/12	3/08
<b>Fall Freeze Dates (Month/Day)</b>									
<b>Temp (F)</b>	<b>Probability of earlier date in fall (beginning Aug 1) than indicated(*)</b>								
	<b>.10</b>	<b>.20</b>	<b>.30</b>	<b>.40</b>	<b>.50</b>	<b>.60</b>	<b>.70</b>	<b>.80</b>	<b>.90</b>
<b>36</b>	9/20	9/24	9/27	9/30	10/01	10/04	10/06	10/09	10/14
<b>32</b>	9/28	10/02	10/05	10/07	10/10	10/14	10/17	10/21	10/26
<b>28</b>	10/06	10/12	10/16	10/19	10/22	10/25	10/29	11/01	11/05
<b>24</b>	10/18	10/23	10/27	10/30	11/01	11/04	11/07	11/10	11/15
<b>20</b>	10/29	11/01	11/04	11/07	11/10	11/13	11/16	11/19	11/24
<b>16</b>	11/03	11/08	11/11	11/15	11/18	11/21	11/24	11/28	12/02
<b>Freeze Free Period</b>									
<b>Temp (F)</b>	<b>Probability of longer than indicated freeze free period (Days)</b>								
	<b>.10</b>	<b>.20</b>	<b>.30</b>	<b>.40</b>	<b>.50</b>	<b>.60</b>	<b>.70</b>	<b>.80</b>	<b>.90</b>
<b>36</b>	166	159	155	151	147	143	139	133	126
<b>32</b>	187	181	176	171	167	163	159	154	147
<b>28</b>	209	202	198	194	190	186	181	176	168
<b>24</b>	228	221	217	213	209	205	201	196	189
<b>20</b>	245	238	233	229	226	222	218	213	207
<b>16</b>	260	253	248	244	240	236	232	227	221

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

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1981-2010 serially complete daily data

Complete Documentation available from:  
[www.ncdc.noaa.gov/oa/climate/normals/usnormals.html](http://www.ncdc.noaa.gov/oa/climate/normals/usnormals.html)