

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: ROCHESTER INTERNATIONAL AIRPORT, MN US

GHCND:USW00014925  
Elev: 398 ft. Lat: 43.904° N Lon: 92.492° 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>	5/25	5/19	5/15	5/11	5/08	5/05	5/02	4/29	4/24
<b>32</b>	5/13	5/07	5/03	4/30	4/28	4/25	4/22	4/18	4/12
<b>28</b>	5/02	4/27	4/23	4/21	4/17	4/14	4/10	4/07	4/03
<b>24</b>	4/23	4/18	4/14	4/10	4/08	4/05	4/03	3/31	3/25
<b>20</b>	4/15	4/10	4/06	4/04	4/01	3/30	3/27	3/22	3/17
<b>16</b>	4/08	4/03	3/31	3/28	3/25	3/21	3/18	3/14	3/10
<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>	9/16	9/20	9/23	9/25	9/28	9/30	10/02	10/05	10/08
<b>32</b>	9/24	9/28	10/01	10/03	10/05	10/08	10/11	10/14	10/20
<b>28</b>	10/03	10/07	10/11	10/14	10/16	10/19	10/22	10/26	11/01
<b>24</b>	10/12	10/17	10/21	10/24	10/27	10/30	11/01	11/05	11/10
<b>20</b>	10/21	10/27	10/31	11/02	11/05	11/08	11/11	11/15	11/20
<b>16</b>	11/01	11/04	11/08	11/11	11/14	11/17	11/20	11/24	11/29
<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>	158	152	147	143	140	136	132	127	121
<b>32</b>	179	172	167	163	159	155	151	146	140
<b>28</b>	202	195	189	185	181	177	172	167	160
<b>24</b>	221	214	209	205	201	197	192	187	180
<b>20</b>	239	232	227	223	219	215	211	205	198
<b>16</b>	255	248	243	239	235	231	226	221	215

\* 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)