

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: CEDAR, MN US

GHCND:USC00211390
 Elev: 276 ft. Lat: 45.322° N Lon: 93.284° W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (through Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/05	5/31	5/27	5/23	5/19	5/15	5/11	5/06	5/01
32	5/25	5/18	5/13	5/09	5/05	5/02	4/29	4/26	4/22
28	5/10	5/05	5/01	4/28	4/25	4/22	4/20	4/16	4/10
24	4/29	4/24	4/21	4/18	4/14	4/11	4/08	4/04	3/31
20	4/20	4/14	4/10	4/07	4/04	4/02	3/31	3/28	3/22
16	4/12	4/06	4/03	3/31	3/29	3/26	3/23	3/19	3/14
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/12	9/17	9/20	9/22	9/24	9/26	9/29	10/01	10/05
32	9/20	9/24	9/27	9/29	10/01	10/04	10/07	10/10	10/15
28	9/29	10/03	10/06	10/08	10/12	10/15	10/19	10/23	10/28
24	10/08	10/13	10/17	10/21	10/24	10/28	10/31	11/03	11/07
20	10/18	10/24	10/29	11/01	11/03	11/05	11/08	11/12	11/17
16	10/28	11/02	11/05	11/08	11/10	11/13	11/17	11/21	11/25
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	147	141	136	131	127	123	118	113	106
32	167	160	155	151	147	143	139	133	126
28	190	183	177	173	169	164	160	155	148
24	212	206	201	196	192	188	184	178	172
20	230	223	219	215	211	207	203	198	191
16	246	239	234	230	226	223	219	214	207

* 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