

**Summary of Annual Normals
 1981-2010**

Generated on 08/15/2016

Elev: 2064 ft. Lat: 41.623° N Lon: 98.948° W
 Station: **ORD EVELYN SHARP FIELD, NE US GHCND:USW00094958**

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	5/26	5/21	5/17	5/14	5/11	5/08	5/05	5/02	4/28
32	5/15	5/10	5/06	5/04	5/01	4/29	4/26	4/23	4/18
28	5/04	4/30	4/27	4/24	4/21	4/18	4/15	4/12	4/08
24	4/26	4/21	4/17	4/14	4/11	4/08	4/05	4/02	3/29
20	4/16	4/11	4/07	4/04	4/02	3/30	3/27	3/23	3/18
16	4/07	4/02	3/30	3/27	3/24	3/20	3/17	3/13	3/08

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	9/13	9/17	9/20	9/23	9/25	9/27	9/29	10/02	10/05
32	9/19	9/23	9/27	9/29	10/01	10/04	10/07	10/11	10/16
28	9/25	9/30	10/04	10/08	10/11	10/15	10/18	10/21	10/25
24	10/03	10/10	10/15	10/19	10/22	10/24	10/27	10/30	11/04
20	10/13	10/20	10/24	10/27	10/30	11/02	11/05	11/09	11/14
16	10/21	10/28	11/01	11/05	11/08	11/11	11/15	11/19	11/24

Freeze Free Period

Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	152	146	142	138	135	131	127	123	117
32	171	164	160	156	152	148	144	139	133
28	192	185	180	176	171	167	163	157	150
24	212	206	200	196	192	188	183	177	170
20	232	225	220	215	211	207	202	196	188
16	251	244	239	234	229	225	220	214	206

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

-4444: year-round risk of frost-freeze

-6666: parameter undefined; insufficient occurrences to compute value

-7777: a non-zero value that would round to zero

blank: missing or insufficient data

Summary of Annual Normals
1981-2010

Generated on 08/15/2016

Elev: 2718 ft. Lat: 41.422° N Lon: 100.184° W
 Station: **ARNOLD, NE US GHCND:USC00250355**

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	6/02	5/28	5/23	5/20	5/17	5/14	5/12	5/08	5/05
32	5/20	5/15	5/12	5/09	5/07	5/04	5/02	4/30	4/26
28	5/10	5/06	5/03	5/02	4/30	4/27	4/25	4/22	4/18
24	5/03	4/30	4/27	4/23	4/21	4/18	4/16	4/13	4/09
20	4/25	4/21	4/17	4/15	4/12	4/09	4/06	4/03	3/30
16	4/17	4/12	4/08	4/05	4/02	3/30	3/26	3/22	3/16

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	9/06	9/10	9/13	9/16	9/18	9/21	9/23	9/26	9/30
32	9/13	9/18	9/21	9/24	9/26	9/29	10/01	10/04	10/08
28	9/20	9/25	9/29	10/02	10/05	10/08	10/11	10/14	10/18
24	9/28	10/04	10/08	10/11	10/14	10/17	10/20	10/23	10/27
20	10/06	10/13	10/17	10/20	10/23	10/25	10/28	11/01	11/05
16	10/15	10/21	10/26	10/29	11/01	11/03	11/06	11/10	11/15

Freeze Free Period

Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	139	134	130	126	122	119	115	110	103
32	157	151	147	144	140	137	133	129	122
28	175	169	164	160	157	153	149	145	138
24	194	187	183	178	175	171	166	161	154
20	213	206	201	197	193	189	185	180	173
16	234	227	221	217	212	208	203	198	190

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

-4444: year-round risk of frost-freeze

-6666: parameter undefined; insufficient occurrences to compute value

-7777: a non-zero value that would round to zero

blank: missing or insufficient data

**Summary of Annual Normals
 1981-2010**

Generated on 08/15/2016

Elev: 2292 ft. Lat: 41.221° N Lon: 99.294° W
 Station: **MASON CITY, NE US GHCND:USC00255250**

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	5/30	5/24	5/21	5/17	5/14	5/11	5/08	5/05	5/01
32	5/18	5/13	5/09	5/06	5/04	5/01	4/29	4/27	4/23
28	5/07	5/03	4/30	4/28	4/26	4/23	4/20	4/17	4/13
24	4/30	4/25	4/22	4/19	4/16	4/14	4/10	4/07	4/03
20	4/21	4/17	4/13	4/10	4/07	4/04	4/01	3/29	3/22
16	4/13	4/08	4/04	4/01	3/28	3/24	3/21	3/16	3/10

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	9/16	9/19	9/22	9/24	9/26	9/29	10/01	10/05
32	9/19	9/23	9/26	9/29	10/01	10/03	10/06	10/09	10/13
28	9/25	9/30	10/03	10/07	10/10	10/13	10/16	10/19	10/22
24	10/02	10/09	10/13	10/17	10/20	10/23	10/25	10/28	11/01
20	10/12	10/19	10/23	10/26	10/29	11/01	11/03	11/07	11/13
16	10/21	10/28	11/01	11/03	11/06	11/10	11/13	11/17	11/23

Freeze Free Period

Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	148	142	138	135	131	128	124	119	113
32	165	159	155	152	148	145	141	136	130
28	184	178	174	170	166	162	158	153	146
24	205	198	193	189	185	181	177	172	164
20	226	219	213	209	205	200	196	190	183
16	247	239	233	228	223	219	214	208	200

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

-4444: year-round risk of frost-freeze

-6666: parameter undefined; insufficient occurrences to compute value

-7777: a non-zero value that would round to zero

blank: missing or insufficient data

Summary of Annual Normals
1981-2010

Generated on 08/15/2016

Elev: 1840 ft. Lat: 40.961° N Lon: 98.314° W

Station: **GRAND ISLAND CENTRAL NE REGIONAL AIRPORT, NE US GHCND:USW00014935**

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	5/16	5/11	5/07	5/05	5/02	4/30	4/28	4/25	4/22
32	5/06	5/02	4/30	4/27	4/25	4/22	4/19	4/16	4/12
28	4/29	4/24	4/21	4/18	4/15	4/13	4/10	4/06	4/02
24	4/21	4/16	4/12	4/09	4/06	4/03	4/01	3/28	3/22
20	4/12	4/07	4/03	3/31	3/29	3/25	3/21	3/17	3/11
16	4/04	3/30	3/26	3/22	3/19	3/15	3/11	3/07	3/02

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	9/18	9/22	9/25	9/28	9/30	10/02	10/05	10/08	10/13
32	9/24	9/29	10/02	10/06	10/09	10/12	10/15	10/19	10/23
28	10/01	10/07	10/12	10/16	10/19	10/22	10/24	10/27	11/01
24	10/11	10/18	10/22	10/25	10/28	10/31	11/02	11/06	11/11
20	10/21	10/27	11/01	11/03	11/06	11/09	11/13	11/16	11/21
16	10/30	11/04	11/09	11/12	11/16	11/19	11/23	11/27	12/03

Freeze Free Period

Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	166	160	155	152	149	145	141	137	130
32	186	179	174	171	166	163	159	154	147
28	205	199	194	189	185	181	177	172	164
24	226	218	213	209	204	200	196	190	183
20	245	237	232	228	223	219	214	209	201
16	266	258	252	247	242	237	232	226	218

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

-4444: year-round risk of frost-freeze

-6666: parameter undefined; insufficient occurrences to compute value

-7777: a non-zero value that would round to zero

blank: missing or insufficient data

**Summary of Annual Normals
 1981-2010**

Generated on 08/15/2016

Elev: 2530 ft. Lat: 41.433° N Lon: 99.633° W

Station: **BROKEN BOW MUNICIPAL AIRPORT, NE US GHCND:USW00094946**

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	5/27	5/21	5/17	5/14	5/11	5/08	5/06	5/03	4/30
32	5/15	5/10	5/07	5/04	5/02	4/30	4/28	4/25	4/20
28	5/06	5/02	4/30	4/27	4/25	4/22	4/19	4/16	4/12
24	4/30	4/26	4/22	4/19	4/16	4/14	4/11	4/07	4/02
20	4/22	4/17	4/14	4/10	4/07	4/04	4/01	3/28	3/22
16	4/14	4/08	4/04	4/01	3/29	3/24	3/21	3/16	3/09

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	9/11	9/15	9/18	9/20	9/23	9/25	9/28	10/01	10/04
32	9/18	9/22	9/25	9/28	10/01	10/03	10/06	10/09	10/14
28	9/24	9/29	10/03	10/07	10/11	10/13	10/16	10/20	10/23
24	10/01	10/09	10/14	10/17	10/20	10/23	10/25	10/28	11/01
20	10/13	10/19	10/23	10/26	10/28	10/31	11/03	11/06	11/11
16	10/20	10/26	10/30	11/02	11/05	11/08	11/12	11/16	11/20

Freeze Free Period

Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	149	144	139	136	132	129	125	120	114
32	167	161	157	153	149	145	141	137	131
28	186	179	174	170	166	162	158	153	146
24	206	198	193	189	185	180	176	170	162
20	224	217	212	207	203	198	194	189	180
16	245	237	231	226	221	217	212	206	198

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

-4444: year-round risk of frost-freeze

-6666: parameter undefined; insufficient occurrences to compute value

-7777: a non-zero value that would round to zero

blank: missing or insufficient data

**Summary of Annual Normals
 1981-2010**

Generated on 08/15/2016

Elev: 2070 ft. Lat: 41.279° N Lon: 98.970° W
 Station: LOUP CITY, NE US GHCND:USC00254985

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	5/27	5/21	5/17	5/13	5/10	5/08	5/05	5/02	4/29
32	5/15	5/09	5/06	5/03	5/01	4/29	4/27	4/24	4/20
28	5/04	4/30	4/28	4/25	4/23	4/20	4/17	4/14	4/10
24	4/26	4/22	4/19	4/16	4/14	4/11	4/08	4/05	3/31
20	4/18	4/14	4/10	4/07	4/04	4/02	3/30	3/25	3/19
16	4/09	4/05	4/01	3/29	3/25	3/22	3/18	3/13	3/07

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	9/25	9/28	10/01	10/03	10/07
32	9/19	9/23	9/27	9/30	10/02	10/05	10/08	10/12	10/16
28	9/25	9/30	10/05	10/09	10/13	10/16	10/19	10/22	10/26
24	10/03	10/11	10/16	10/20	10/23	10/25	10/28	11/01	11/05
20	10/13	10/20	10/25	10/28	11/01	11/03	11/06	11/11	11/16
16	10/22	10/29	11/02	11/06	11/10	11/13	11/17	11/21	11/26

Freeze Free Period

Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	153	147	142	139	135	131	127	123	116
32	171	164	159	156	152	148	144	140	133
28	191	184	179	175	171	166	162	156	149
24	211	204	199	194	190	186	181	176	168
20	232	224	218	214	209	205	200	194	186
16	253	245	239	234	229	224	219	213	204

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

-4444: year-round risk of frost-freeze

-6666: parameter undefined; insufficient occurrences to compute value

-7777: a non-zero value that would round to zero

blank: missing or insufficient data

**Summary of Annual Normals
 1981-2010**

Generated on 08/15/2016

Elev: 2500 ft. Lat: 41.408° N Lon: 99.675° W

Station: **BROKEN BOW 2 W, NE US GHCND:USC00251200**

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	5/31	5/27	5/23	5/20	5/17	5/14	5/11	5/08	5/04
32	5/22	5/16	5/12	5/09	5/07	5/05	5/02	4/30	4/26
28	5/11	5/06	5/04	5/01	4/30	4/27	4/24	4/21	4/16
24	5/03	4/29	4/26	4/23	4/20	4/18	4/15	4/11	4/06
20	4/25	4/20	4/17	4/14	4/11	4/07	4/04	3/31	3/26
16	4/17	4/11	4/07	4/04	3/31	3/28	3/24	3/19	3/12

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	9/08	9/13	9/16	9/18	9/21	9/23	9/26	9/29	10/03
32	9/16	9/20	9/23	9/26	9/29	10/01	10/03	10/07	10/11
28	9/22	9/27	10/01	10/03	10/07	10/10	10/13	10/16	10/21
24	9/29	10/04	10/10	10/13	10/17	10/20	10/22	10/26	10/30
20	10/06	10/14	10/19	10/22	10/25	10/28	10/31	11/03	11/07
16	10/15	10/22	10/27	10/30	11/01	11/04	11/08	11/12	11/17

Freeze Free Period

Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	143	137	133	129	126	122	118	113	107
32	160	154	150	146	143	139	135	130	124
28	179	172	167	163	159	155	151	146	139
24	199	192	186	182	177	173	168	163	155
20	218	210	205	200	196	192	187	181	173
16	239	230	224	219	215	210	205	199	191

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

-4444: year-round risk of frost-freeze

-6666: parameter undefined; insufficient occurrences to compute value

-7777: a non-zero value that would round to zero

blank: missing or insufficient data

**Summary of Annual Normals
 1981-2010**

Generated on 08/15/2016

Elev: 2603 ft. Lat: 40.939° N Lon: 100.151° W
 Station: **GOTHENBURG, NE US GHCND:USC00253365**

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	5/26	5/19	5/15	5/11	5/09	5/06	5/04	5/01	4/28
32	5/14	5/08	5/05	5/03	5/01	4/29	4/26	4/23	4/18
28	5/04	5/01	4/27	4/25	4/21	4/19	4/16	4/13	4/08
24	4/26	4/21	4/18	4/15	4/12	4/10	4/06	4/03	3/30
20	4/18	4/13	4/10	4/06	4/03	4/01	3/28	3/23	3/17
16	4/10	4/05	4/01	3/28	3/24	3/20	3/16	3/11	3/05

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	9/15	9/19	9/22	9/25	9/27	9/29	10/02	10/04	10/09
32	9/22	9/26	9/29	10/02	10/05	10/07	10/10	10/14	10/18
28	9/29	10/03	10/08	10/11	10/14	10/17	10/20	10/23	10/26
24	10/08	10/14	10/18	10/21	10/23	10/26	10/28	10/31	11/05
20	10/18	10/23	10/26	10/29	11/01	11/04	11/07	11/10	11/15
16	10/26	11/01	11/04	11/07	11/10	11/13	11/16	11/20	11/24

Freeze Free Period

Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	156	150	146	142	139	135	131	126	119
32	174	167	163	159	155	152	148	143	137
28	194	187	182	178	174	170	165	160	153
24	213	206	201	197	193	189	185	180	172
20	234	227	221	217	212	208	203	198	190
16	254	247	241	236	231	227	222	216	208

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

-4444: year-round risk of frost-freeze

-6666: parameter undefined; insufficient occurrences to compute value

-7777: a non-zero value that would round to zero

blank: missing or insufficient data

**Summary of Annual Normals
 1981-2010**

Generated on 08/15/2016

Elev: 2020 ft. Lat: 41.546° N Lon: 98.533° W
 Station: **GREELEY, NE US GHCND:USC00253425**

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	5/31	5/26	5/21	5/18	5/15	5/12	5/09	5/06	5/02
32	5/19	5/13	5/09	5/07	5/04	5/02	4/30	4/27	4/23
28	5/08	5/04	5/01	4/29	4/26	4/24	4/20	4/17	4/12
24	4/30	4/26	4/22	4/20	4/17	4/14	4/11	4/07	4/02
20	4/22	4/17	4/13	4/10	4/07	4/04	4/01	3/29	3/23
16	4/13	4/08	4/05	4/02	3/30	3/26	3/22	3/18	3/12

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	9/09	9/13	9/17	9/19	9/21	9/24	9/26	9/29	10/02
32	9/16	9/20	9/23	9/26	9/29	10/01	10/03	10/06	10/10
28	9/21	9/27	10/01	10/03	10/06	10/09	10/12	10/16	10/20
24	9/30	10/05	10/10	10/13	10/17	10/20	10/23	10/26	10/31
20	10/09	10/15	10/20	10/24	10/27	10/30	11/01	11/05	11/10
16	10/17	10/24	10/28	11/01	11/03	11/06	11/10	11/14	11/19

Freeze Free Period

Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	145	139	135	131	128	124	120	115	109
32	163	156	152	148	145	141	138	133	127
28	182	175	171	166	162	158	154	149	143
24	203	196	191	186	182	178	173	168	160
20	222	215	210	206	202	197	193	187	180
16	242	234	228	224	219	215	210	204	196

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

-4444: year-round risk of frost-freeze

-6666: parameter undefined; insufficient occurrences to compute value

-7777: a non-zero value that would round to zero

blank: missing or insufficient data

**Summary of Annual Normals
 1981-2010**

Generated on 08/15/2016

Elev: 2580 ft. Lat: 41.144° N Lon: 99.763° W
 Station: **OCONTO, NE US GHCND:USC00256167**

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	6/03	5/28	5/24	5/21	5/17	5/14	5/11	5/08	5/04
32	5/22	5/16	5/13	5/09	5/07	5/04	5/02	4/30	4/26
28	5/12	5/07	5/04	5/01	4/29	4/27	4/24	4/21	4/16
24	5/04	4/30	4/27	4/24	4/21	4/18	4/15	4/12	4/07
20	4/27	4/22	4/18	4/15	4/12	4/09	4/06	4/02	3/28
16	4/18	4/13	4/09	4/05	4/02	3/30	3/26	3/21	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	9/09	9/13	9/16	9/19	9/21	9/23	9/26	9/29	10/02
32	9/15	9/20	9/23	9/26	9/29	10/01	10/04	10/07	10/11
28	9/22	9/27	10/01	10/04	10/07	10/10	10/13	10/16	10/20
24	9/30	10/05	10/10	10/14	10/17	10/20	10/22	10/25	10/29
20	10/09	10/15	10/20	10/23	10/25	10/28	10/31	11/03	11/08
16	10/18	10/24	10/28	11/01	11/03	11/06	11/09	11/13	11/18

Freeze Free Period

Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	143	137	133	128	125	121	117	112	105
32	160	154	150	146	143	139	135	130	123
28	179	172	168	164	160	156	152	147	140
24	198	191	186	182	178	174	169	164	156
20	217	209	204	199	195	191	187	181	173
16	237	229	223	218	214	209	205	199	192

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

-4444: year-round risk of frost-freeze

-6666: parameter undefined; insufficient occurrences to compute value

-7777: a non-zero value that would round to zero

blank: missing or insufficient data

**Summary of Annual Normals
 1981-2010**

Generated on 08/15/2016

Elev: 2605 ft. Lat: 41.598° N Lon: 99.826° W
 Station: ANSELMO 2 SE, NE US GHCND:USC00250245

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	6/07	6/01	5/28	5/23	5/20	5/17	5/13	5/10	5/06
32	5/26	5/19	5/15	5/11	5/08	5/06	5/03	4/30	4/27
28	5/14	5/08	5/05	5/02	4/30	4/28	4/26	4/22	4/17
24	5/05	5/01	4/28	4/25	4/22	4/20	4/16	4/13	4/08
20	4/29	4/23	4/20	4/17	4/13	4/10	4/07	4/03	3/30
16	4/20	4/14	4/10	4/07	4/03	3/31	3/28	3/23	3/17

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	9/05	9/10	9/13	9/16	9/19	9/21	9/24	9/27	10/01
32	9/12	9/18	9/21	9/24	9/27	9/29	10/02	10/04	10/08
28	9/20	9/25	9/29	10/01	10/04	10/07	10/10	10/13	10/18
24	9/27	10/03	10/07	10/11	10/14	10/17	10/20	10/23	10/27
20	10/06	10/13	10/17	10/21	10/23	10/26	10/28	11/01	11/06
16	10/15	10/21	10/25	10/28	11/01	11/03	11/06	11/10	11/16

Freeze Free Period

Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	139	133	128	124	120	116	111	106	98
32	156	151	146	142	138	134	130	125	118
28	174	168	163	159	155	151	147	142	135
24	194	187	181	177	173	169	164	159	151
20	212	205	200	195	190	186	181	176	168
16	233	225	219	214	210	205	200	194	186

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

-4444: year-round risk of frost-freeze

-6666: parameter undefined; insufficient occurrences to compute value

-7777: a non-zero value that would round to zero

blank: missing or insufficient data

**Summary of Annual Normals
 1981-2010**

Generated on 08/15/2016

Elev: 2046 ft. Lat: 41.032° N Lon: 98.921° W
 Station: RAVENNA, NE US GHCND:USC00257040

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	5/28	5/22	5/17	5/14	5/11	5/08	5/05	5/02	4/29
32	5/16	5/11	5/07	5/04	5/02	4/30	4/28	4/25	4/22
28	5/07	5/02	4/30	4/27	4/25	4/23	4/20	4/17	4/12
24	4/29	4/25	4/22	4/19	4/16	4/14	4/11	4/07	4/03
20	4/21	4/17	4/13	4/10	4/07	4/04	4/01	3/30	3/23
16	4/13	4/08	4/04	4/01	3/30	3/26	3/23	3/18	3/13

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	9/16	9/19	9/21	9/23	9/26	9/28	10/01	10/04
32	9/18	9/22	9/25	9/28	9/30	10/02	10/05	10/08	10/13
28	9/24	9/29	10/02	10/05	10/08	10/11	10/14	10/18	10/22
24	10/01	10/08	10/12	10/16	10/19	10/21	10/24	10/27	11/01
20	10/11	10/18	10/22	10/25	10/27	10/30	11/02	11/06	11/11
16	10/20	10/26	10/30	11/01	11/05	11/08	11/12	11/16	11/22

Freeze Free Period

Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	151	145	141	137	134	130	126	122	115
32	166	161	156	152	149	145	141	137	130
28	184	178	173	168	165	161	156	151	144
24	203	196	191	187	183	179	174	169	161
20	223	216	211	206	202	197	193	187	179
16	244	236	230	225	221	216	211	206	197

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

-4444: year-round risk of frost-freeze

-6666: parameter undefined; insufficient occurrences to compute value

-7777: a non-zero value that would round to zero

blank: missing or insufficient data

**Summary of Annual Normals
 1981-2010**

Generated on 08/15/2016

Elev: 2130 ft. Lat: 40.726° N Lon: 99.013° W
 Station: **KEARNEY 4 NE, NE US GHCND:USC00254335**

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	5/22	5/16	5/12	5/09	5/07	5/05	5/02	4/30	4/27
32	5/11	5/06	5/04	5/02	4/30	4/28	4/25	4/22	4/18
28	5/03	4/30	4/27	4/24	4/22	4/19	4/17	4/13	4/08
24	4/26	4/22	4/19	4/16	4/13	4/10	4/06	4/02	3/29
20	4/18	4/13	4/09	4/05	4/02	3/31	3/28	3/23	3/17
16	4/09	4/04	3/31	3/28	3/24	3/21	3/17	3/12	3/06

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	9/15	9/19	9/22	9/25	9/27	9/30	10/02	10/05	10/09
32	9/21	9/25	9/29	10/02	10/05	10/08	10/11	10/15	10/19
28	9/28	10/04	10/08	10/12	10/16	10/19	10/21	10/24	10/28
24	10/07	10/15	10/19	10/22	10/25	10/27	10/30	11/02	11/07
20	10/18	10/24	10/28	10/31	11/02	11/05	11/09	11/13	11/18
16	10/25	11/01	11/04	11/07	11/11	11/15	11/18	11/23	11/28

Freeze Free Period

Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	158	152	148	144	141	137	133	129	122
32	176	169	164	160	157	153	149	144	138
28	195	188	183	179	175	171	166	161	154
24	215	208	203	199	194	190	185	180	172
20	236	228	223	218	213	209	204	199	191
16	257	249	242	237	232	227	222	216	208

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

-4444: year-round risk of frost-freeze

-6666: parameter undefined; insufficient occurrences to compute value

-7777: a non-zero value that would round to zero

blank: missing or insufficient data