

**Summary of Annual Normals
 1981-2010**

Generated on 08/15/2016

Elev: 3025 ft. Lat: 41.057° N Lon: 100.749° W

Station: **NORTH PLATTE EXPERIMENTAL FRM, NE US GHCND:USC00256075**

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

Freeze Free Period

Temp (F)	Probability of longer than indicated freeze free period (Days)									
	.10	.20	.30	.40	.50	.60	.70	.80	.90	
36	155	150	146	142	139	135	131	127	121	
32	175	169	164	160	156	152	148	144	137	
28	194	187	182	177	173	169	165	160	152	
24	214	207	202	197	193	188	184	178	170	
20	234	226	221	216	211	207	202	196	188	
16	256	247	241	236	231	226	221	214	205	

* 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: 2594 ft. Lat: 40.233° N Lon: 100.830° W
 Station: **CULBERTSON, NE US GHCND:USC00252065**

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	5/29	5/21	5/16	5/13	5/10	5/08	5/06	5/04	4/30	
32	5/14	5/09	5/06	5/04	5/02	4/30	4/28	4/25	4/20	
28	5/06	5/02	4/30	4/26	4/23	4/21	4/18	4/15	4/10	
24	4/29	4/23	4/20	4/16	4/13	4/10	4/07	4/04	3/31	
20	4/18	4/13	4/09	4/06	4/03	3/31	3/27	3/22	3/15	
16	4/09	4/03	3/31	3/26	3/22	3/17	3/12	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	9/16	9/20	9/23	9/26	9/28	10/01	10/03	10/06	10/10	
32	9/22	9/27	9/30	10/03	10/06	10/09	10/12	10/15	10/20	
28	9/28	10/04	10/10	10/13	10/16	10/19	10/22	10/25	10/28	
24	10/09	10/16	10/20	10/23	10/26	10/29	10/31	11/03	11/08	
20	10/19	10/25	10/30	11/01	11/04	11/07	11/10	11/14	11/18	
16	10/30	11/04	11/07	11/11	11/14	11/17	11/20	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	155	149	145	142	138	135	131	126	118	
32	173	167	163	159	155	152	148	143	136	
28	194	187	182	178	174	170	166	160	152	
24	215	208	202	198	194	190	185	180	172	
20	238	230	224	219	215	210	206	200	192	
16	263	254	248	242	237	232	226	220	213	

* 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: 2952 ft. Lat: 41.106° N Lon: 100.978° W
 Station: **HERSHEY 5 SSE, NE US GHCND:USC00253810**

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	5/24	5/19	5/15	5/13	5/10	5/08	5/06	5/02
32	5/18	5/12	5/09	5/06	5/04	5/02	4/30	4/27	4/23
28	5/08	5/04	5/01	4/29	4/26	4/23	4/20	4/17	4/13
24	4/30	4/24	4/21	4/18	4/16	4/13	4/10	4/06	4/02
20	4/20	4/16	4/12	4/08	4/05	4/03	3/31	3/26	3/20
16	4/12	4/07	4/03	3/31	3/27	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	9/23	9/26	9/29	10/01	10/04	10/08
32	9/20	9/25	9/29	10/01	10/05	10/08	10/11	10/14	10/18
28	9/28	10/03	10/08	10/12	10/15	10/18	10/21	10/23	10/27
24	10/07	10/14	10/18	10/22	10/24	10/26	10/29	11/01	11/06
20	10/16	10/22	10/26	10/29	11/01	11/04	11/08	11/11	11/16
16	10/24	10/31	11/03	11/07	11/11	11/14	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	151	145	141	137	133	129	125	120	113
32	169	163	159	155	151	147	143	138	131
28	189	182	178	174	170	166	162	156	149
24	210	203	198	194	190	186	181	176	168
20	231	223	218	213	209	205	200	195	187
16	253	244	238	233	228	223	218	212	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: 3318 ft. Lat: 41.210° N Lon: 101.670° W
 Station: **KINGSLEY DAM, NE US GHCND:USC00254455**

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

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	9/17	9/22	9/26	9/29	10/01	10/03	10/06	10/09	10/13
32	9/24	9/29	10/02	10/06	10/09	10/12	10/15	10/18	10/21
28	10/01	10/07	10/12	10/16	10/19	10/21	10/24	10/27	10/31
24	10/12	10/18	10/22	10/25	10/28	10/31	11/02	11/06	11/11
20	10/20	10/28	11/01	11/03	11/06	11/10	11/13	11/17	11/22
16	10/31	11/05	11/09	11/13	11/17	11/20	11/24	11/28	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	163	157	153	150	146	143	139	134	127
32	183	177	173	168	165	161	157	152	145
28	203	197	192	188	184	180	175	170	162
24	223	216	211	207	203	199	195	189	182
20	244	237	231	226	222	217	213	207	199
16	267	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: 2778 ft. Lat: 41.121° N Lon: 100.669° W

Station: **NORTH PLATTE REGIONAL AIRPORT, NE US GHCND:USW00024023**

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

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	9/12	9/15	9/18	9/20	9/22	9/25	9/27	10/01	
32	9/15	9/19	9/22	9/25	9/27	9/30	10/02	10/05	10/09	
28	9/21	9/26	9/29	10/03	10/05	10/08	10/11	10/14	10/18	
24	9/29	10/04	10/09	10/12	10/15	10/18	10/20	10/23	10/27	
20	10/09	10/15	10/19	10/22	10/24	10/27	10/29	11/01	11/06	
16	10/19	10/24	10/28	10/31	11/02	11/05	11/08	11/12	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	129	125	121	117	113	108	101	
32	157	151	147	143	139	136	132	127	120	
28	176	169	165	161	157	153	149	145	138	
24	196	189	184	180	176	172	167	162	154	
20	217	210	205	201	197	193	188	183	175	
16	240	232	227	222	218	213	208	203	195	

* 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: 3275 ft. Lat: 40.014° N Lon: 101.941° W
 Station: HAIGLER, NE US GHCND:USC00253515

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	5/22	5/18	5/14	5/12	5/09	5/07	5/05	5/02
32	5/18	5/12	5/09	5/06	5/04	5/02	4/30	4/27	4/23
28	5/09	5/04	5/01	4/30	4/27	4/24	4/21	4/17	4/13
24	5/02	4/28	4/24	4/21	4/17	4/14	4/11	4/07	4/02
20	4/24	4/19	4/14	4/10	4/07	4/04	4/01	3/28	3/21
16	4/16	4/09	4/05	4/01	3/28	3/24	3/19	3/13	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	9/16	9/20	9/23	9/25	9/27	9/30	10/02	10/04	10/07
32	9/22	9/27	9/30	10/03	10/05	10/07	10/10	10/13	10/16
28	9/28	10/04	10/08	10/11	10/14	10/16	10/18	10/21	10/24
24	10/04	10/12	10/17	10/20	10/22	10/25	10/27	10/29	11/02
20	10/17	10/22	10/26	10/29	11/01	11/03	11/06	11/09	11/14
16	10/23	10/31	11/03	11/06	11/09	11/13	11/16	11/19	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	152	147	143	139	136	132	129	124	117
32	168	162	159	155	152	148	145	140	133
28	186	180	175	172	168	164	160	155	148
24	207	200	195	191	187	183	178	173	165
20	229	221	216	211	207	202	198	192	184
16	252	243	237	231	226	221	216	209	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: 3078 ft. Lat: 40.418° N Lon: 101.515° W
 Station: ENDERS LAKE, NE US GHCND:USC00252741

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

Freeze Free Period

Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	146	141	137	134	130	126	122	117	109
32	162	157	153	150	146	143	140	135	129
28	180	174	169	165	162	158	154	150	143
24	200	193	188	184	180	176	171	166	159
20	221	214	209	204	200	196	191	185	178
16	244	236	230	225	220	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: 2793 ft. Lat: 40.174° N Lon: 101.061° W
 Station: TRENTON DAM, NE US GHCND:USC00258628

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

Freeze Free Period

Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	162	157	153	149	146	143	139	135	129
32	180	174	170	166	162	159	155	150	144
28	200	194	189	185	181	177	173	168	161
24	222	215	209	205	201	197	192	187	180
20	243	235	230	225	220	216	211	206	198
16	265	257	251	246	241	236	231	225	217

* 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: 3268 ft. Lat: 40.510° N Lon: 101.620° W

Station: **IMPERIAL MUNICIPAL AIRPORT, NE US GHCND:USW00024091**

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

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	9/17	9/22	9/25	9/27	9/30	10/02	10/04	10/07	10/11
32	9/24	9/29	10/02	10/05	10/08	10/11	10/13	10/16	10/20
28	10/01	10/07	10/11	10/15	10/17	10/20	10/22	10/25	10/28
24	10/10	10/17	10/21	10/23	10/26	10/28	10/30	11/02	11/07
20	10/20	10/25	10/29	11/01	11/03	11/06	11/09	11/13	11/17
16	10/29	11/02	11/06	11/10	11/13	11/15	11/18	11/22	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	158	153	149	146	143	139	136	131	125
32	176	170	166	162	158	155	151	146	140
28	194	189	185	181	177	173	169	164	157
24	215	208	204	200	196	192	188	183	175
20	237	230	225	220	216	211	207	202	194
16	259	251	246	241	236	232	227	221	214

* 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: 2387 ft. Lat: 40.376° N Lon: 100.223° W
 Station: **MEDICINE CREEK DAM, NE US GHCND:USC00255388**

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

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	9/18	9/21	9/24	9/26	9/28	10/01	10/04	10/07
32	9/21	9/25	9/29	10/01	10/04	10/06	10/10	10/13	10/17
28	9/27	10/02	10/07	10/11	10/14	10/16	10/19	10/22	10/26
24	10/05	10/13	10/18	10/21	10/24	10/27	10/29	11/01	11/05
20	10/17	10/23	10/27	10/30	11/01	11/04	11/07	11/10	11/15
16	10/27	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	154	149	145	141	138	134	131	126	119
32	173	167	162	159	155	151	148	143	136
28	193	186	181	177	173	169	165	160	153
24	213	207	202	197	193	189	184	179	171
20	234	227	221	216	212	208	203	198	190
16	255	247	242	237	233	228	223	217	209

* 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: 3200 ft. Lat: 40.851° N Lon: 101.543° W
 Station: **MADRID, NE US GHCND:USC00255090**

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

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	145	141	137	134	131	127	122	116
32	166	161	157	154	151	148	144	140	134
28	184	178	174	171	168	164	160	156	149
24	203	197	192	188	185	181	177	173	166
20	224	216	211	207	203	199	195	190	183
16	245	238	232	228	223	218	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: 3045 ft. Lat: 40.523° N Lon: 101.034° W
 Station: **HAYES CENTER, NE US GHCND:USW00024020**

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	5/25	5/19	5/16	5/13	5/10	5/08	5/06	5/03	4/30
32	5/14	5/10	5/07	5/04	5/02	5/01	4/28	4/25	4/20
28	5/06	5/02	4/30	4/26	4/23	4/20	4/17	4/14	4/10
24	4/28	4/23	4/19	4/16	4/13	4/10	4/07	4/03	3/31
20	4/18	4/13	4/09	4/05	4/03	4/01	3/28	3/23	3/18
16	4/09	4/03	3/31	3/28	3/24	3/20	3/16	3/11	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	9/16	9/20	9/23	9/26	9/28	9/30	10/03	10/06	10/10
32	9/23	9/27	9/30	10/03	10/06	10/09	10/11	10/15	10/18
28	9/29	10/05	10/09	10/13	10/16	10/18	10/21	10/24	10/28
24	10/10	10/16	10/20	10/23	10/26	10/28	10/31	11/03	11/09
20	10/21	10/26	10/30	11/01	11/04	11/08	11/11	11/15	11/19
16	10/30	11/03	11/07	11/11	11/14	11/17	11/20	11/24	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	155	149	145	142	139	135	131	127	121
32	173	167	162	158	155	151	147	143	137
28	193	186	182	178	174	170	165	160	153
24	215	208	203	199	195	190	186	180	173
20	237	230	224	219	215	211	206	201	194
16	258	250	244	239	234	230	225	219	211

* 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: 3100 ft. Lat: 40.843° N Lon: 101.209° W
 Station: **WALLACE 2 W, NE US GHCND:USC00258920**

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	5/23	5/18	5/15	5/12	5/10	5/08	5/05	5/02	
32	5/16	5/11	5/08	5/06	5/04	5/02	5/01	4/28	4/24	
28	5/07	5/03	5/01	4/30	4/27	4/24	4/22	4/19	4/16	
24	4/30	4/26	4/23	4/20	4/18	4/16	4/14	4/10	4/06	
20	4/22	4/18	4/15	4/12	4/10	4/07	4/04	4/01	3/27	
16	4/16	4/11	4/07	4/04	4/01	3/29	3/25	3/20	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	9/11	9/16	9/19	9/21	9/24	9/26	9/28	9/30	10/04	
32	9/17	9/22	9/25	9/27	9/30	10/02	10/05	10/08	10/12	
28	9/23	9/28	10/01	10/05	10/08	10/11	10/14	10/17	10/21	
24	9/30	10/07	10/12	10/15	10/18	10/20	10/23	10/26	10/29	
20	10/09	10/17	10/21	10/24	10/26	10/29	11/01	11/04	11/09	
16	10/20	10/25	10/30	11/01	11/04	11/08	11/11	11/15	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	147	142	138	135	131	128	124	119	113	
32	163	158	154	150	147	144	140	136	130	
28	181	175	170	167	163	159	155	151	144	
24	200	193	189	185	181	177	173	168	161	
20	219	212	207	203	199	195	190	185	178	
16	239	232	226	222	217	213	208	202	195	

* 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: 2561 ft. Lat: 40.358° N Lon: 100.661° W
 Station: RED WILLOW DAM, NE US GHCND:USC00257110

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	5/06	5/03	4/30
32	5/15	5/10	5/07	5/05	5/03	5/01	4/29	4/25	4/21
28	5/06	5/02	4/30	4/27	4/24	4/22	4/19	4/16	4/12
24	4/28	4/23	4/20	4/18	4/15	4/12	4/09	4/06	4/02
20	4/19	4/15	4/11	4/08	4/05	4/03	3/31	3/27	3/21
16	4/10	4/05	4/02	3/30	3/26	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	9/14	9/17	9/20	9/22	9/25	9/27	9/29	10/02	10/06
32	9/20	9/23	9/27	9/29	10/02	10/04	10/07	10/11	10/16
28	9/26	9/30	10/04	10/07	10/11	10/14	10/17	10/21	10/25
24	10/02	10/09	10/14	10/18	10/21	10/24	10/27	10/30	11/03
20	10/13	10/20	10/25	10/28	10/31	11/02	11/05	11/09	11/14
16	10/24	10/31	11/03	11/06	11/10	11/13	11/16	11/20	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	151	145	141	138	134	131	127	122	116
32	169	163	158	154	151	147	144	139	133
28	188	181	176	172	168	164	160	155	148
24	207	201	196	192	187	183	179	173	166
20	229	221	216	211	207	203	198	193	185
16	252	244	238	233	228	223	218	212	205

* 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: 3230 ft. Lat: 41.128° N Lon: 101.720° W
 Station: **OGALLALA, NE US GHCND:USC00256200**

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

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	9/20	9/23	9/25	9/27	9/30	10/02	10/05	10/08
32	9/21	9/26	9/30	10/03	10/05	10/07	10/10	10/13	10/17
28	9/28	10/04	10/08	10/11	10/14	10/17	10/19	10/22	10/25
24	10/07	10/14	10/18	10/21	10/23	10/25	10/28	10/31	11/05
20	10/19	10/23	10/27	10/30	11/01	11/04	11/08	11/12	11/17
16	10/28	11/01	11/05	11/08	11/12	11/16	11/19	11/22	11/27

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	148	144	140	137	134	130	126	120
32	170	164	160	156	153	150	146	142	135
28	190	183	179	175	171	167	163	159	152
24	212	205	200	196	192	188	183	177	170
20	234	227	221	217	213	208	203	198	190
16	259	251	244	239	234	229	224	218	210

* 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: 3280 ft. Lat: 40.521° N Lon: 101.655° W
 Station: **IMPERIAL, NE US GHCND:USC00254110**

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	5/18	5/15	5/13	5/10	5/08	5/06	5/03
32	5/15	5/12	5/09	5/07	5/05	5/03	5/01	4/29	4/25
28	5/08	5/05	5/02	4/30	4/28	4/26	4/23	4/20	4/16
24	5/02	4/28	4/25	4/22	4/19	4/16	4/13	4/10	4/06
20	4/24	4/19	4/16	4/13	4/10	4/07	4/04	3/31	3/26
16	4/16	4/11	4/07	4/04	4/01	3/29	3/25	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	9/13	9/17	9/20	9/22	9/25	9/27	9/29	10/01	10/04
32	9/20	9/24	9/27	9/30	10/02	10/04	10/06	10/09	10/12
28	9/26	10/01	10/04	10/08	10/10	10/13	10/15	10/18	10/21
24	10/03	10/09	10/14	10/17	10/19	10/22	10/24	10/27	10/30
20	10/13	10/19	10/22	10/25	10/28	10/30	11/02	11/05	11/10
16	10/22	10/28	11/01	11/03	11/06	11/09	11/12	11/15	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	148	143	139	136	133	129	126	121	114
32	163	158	154	151	148	145	142	138	132
28	181	175	171	167	164	160	157	152	146
24	200	194	189	185	182	178	174	169	162
20	220	213	208	204	200	196	192	187	179
16	241	234	229	224	219	215	211	205	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: 2530 ft. Lat: 40.206° N Lon: 100.591° W

Station: **MCCOOK MUNICIPAL AIRPORT, NE US GHCND:USW00094040**

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	5/23	5/17	5/13	5/10	5/08	5/06	5/04	5/01	4/28
32	5/11	5/07	5/04	5/02	4/30	4/28	4/26	4/22	4/18
28	5/04	5/01	4/28	4/24	4/21	4/19	4/16	4/13	4/09
24	4/26	4/21	4/17	4/14	4/11	4/08	4/05	4/03	3/30
20	4/16	4/11	4/08	4/05	4/02	3/31	3/28	3/23	3/16
16	4/08	4/03	3/31	3/27	3/23	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	9/16	9/21	9/23	9/26	9/28	10/01	10/03	10/06	10/10
32	9/23	9/27	10/01	10/03	10/06	10/09	10/12	10/15	10/19
28	9/30	10/05	10/10	10/13	10/16	10/19	10/22	10/24	10/28
24	10/09	10/17	10/21	10/23	10/26	10/29	10/31	11/03	11/08
20	10/21	10/26	10/30	11/01	11/04	11/07	11/11	11/14	11/19
16	10/31	11/04	11/08	11/11	11/14	11/17	11/20	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	157	152	148	144	141	138	134	129	123
32	176	170	165	162	158	154	151	146	140
28	195	189	184	180	176	172	168	163	156
24	216	210	205	201	197	193	188	183	175
20	239	231	226	221	217	213	208	203	195
16	259	251	245	240	236	231	226	221	213

* 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: 2995 ft. Lat: 40.050° N Lon: 101.533° W
 Station: **BENKELMAN, NE US GHCND:USC00250760**

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

Freeze Free Period

Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	157	152	148	144	141	138	134	129	123
32	174	169	164	161	157	154	150	146	139
28	194	188	183	179	175	171	167	162	155
24	214	208	203	199	195	190	186	181	173
20	238	230	225	220	215	211	207	201	193
16	260	252	246	241	236	231	226	220	212

* 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: 2721 ft. Lat: 40.674° N Lon: 100.494° W
 Station: **CURTIS 3 NNE, NE US GHCND:USC00252100**

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

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	143	139	135	131	127	123	118	111
32	164	159	155	151	147	144	140	136	129
28	183	176	171	167	164	160	155	151	144
24	202	195	190	186	182	178	173	168	161
20	223	215	210	206	201	197	193	187	179
16	245	237	232	227	222	217	212	207	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