

Summary of Annual Normals 1991-2020

Generated on 10/21/2024

Current Location: Elev: 1467 ft. Lat: 46.8844° N Lon: 98.6850° W
 Station: **JAMESTOWN STATE HOSP, ND US USC00324418**

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	05/31	05/26	05/22	05/19	05/17	05/15	05/12	05/10	05/06
32	05/21	05/16	05/13	05/11	05/08	05/06	05/03	04/30	04/26
28	05/12	05/08	05/04	05/02	04/30	04/28	04/24	04/20	04/16
24	05/03	04/30	04/27	04/23	04/20	04/17	04/14	04/10	04/05
20	04/25	04/20	04/16	04/13	04/10	04/07	04/05	04/03	03/28
16	04/16	04/12	04/08	04/05	04/03	04/01	03/29	03/25	03/17
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	09/10	09/13	09/16	09/19	09/21	09/23	09/26	09/28	10/01
32	09/17	09/21	09/25	09/27	09/29	10/01	10/03	10/06	10/11
28	09/26	09/30	10/02	10/04	10/07	10/11	10/14	10/17	10/21
24	10/04	10/09	10/13	10/16	10/19	10/22	10/24	10/28	11/01
20	10/15	10/20	10/24	10/27	10/30	11/01	11/04	11/07	11/11
16	10/24	10/29	11/01	11/03	11/06	11/09	11/11	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	142.0	137.0	133.0	129.0	126.0	123.0	119.0	114.0	108.0
32	161.0	154.0	150.0	146.0	143.0	140.0	136.0	132.0	127.0
28	180.0	174.0	169.0	164.0	161.0	157.0	153.0	148.0	141.0
24	199.0	193.0	189.0	184.0	181.0	176.0	172.0	166.0	159.0
20	219.0	212.0	208.0	203.0	200.0	195.0	191.0	187.0	179.0
16	236.0	229.0	224.0	219.0	216.0	212.0	208.0	203.0	196.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Generated on 10/21/2024

Current Location: Elev: 1334 ft. Lat: 46.3625° N Lon: 98.2919° W
 Station: **LA MOURE, ND US USC00324937**

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	06/02	05/29	05/25	05/22	05/20	05/17	05/14	05/11	05/07
32	05/22	05/18	05/15	05/12	05/10	05/07	05/04	05/02	04/28
28	05/14	05/10	05/06	05/04	05/01	04/29	04/26	04/22	04/18
24	05/06	05/01	04/28	04/25	04/22	04/19	04/16	04/12	04/07
20	04/26	04/21	04/18	04/15	04/11	04/08	04/05	04/03	03/29
16	04/18	04/14	04/09	04/06	04/04	04/02	03/31	03/26	03/19
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	09/08	09/13	09/15	09/18	09/20	09/22	09/25	09/27	10/01
32	09/18	09/21	09/24	09/26	09/28	10/01	10/03	10/06	10/10
28	09/24	09/28	10/01	10/03	10/06	10/09	10/12	10/16	10/19
24	10/01	10/06	10/10	10/13	10/16	10/19	10/21	10/25	10/30
20	10/10	10/16	10/20	10/23	10/27	10/30	11/01	11/05	11/09
16	10/21	10/25	10/30	11/01	11/04	11/06	11/09	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	139.0	134.0	130.0	126.0	122.0	119.0	115.0	111.0	105.0
32	157.0	152.0	147.0	144.0	140.0	137.0	132.0	128.0	122.0
28	176.0	170.0	165.0	161.0	157.0	154.0	151.0	147.0	140.0
24	196.0	190.0	185.0	180.0	176.0	173.0	169.0	164.0	157.0
20	215.0	209.0	204.0	200.0	196.0	192.0	188.0	182.0	175.0
16	234.0	226.0	221.0	216.0	212.0	208.0	203.0	198.0	192.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Generated on 10/21/2024

Current Location: Elev: 1435 ft. Lat: 46.1583° N Lon: 98.3989° W
 Station: **FULLERTON 1 ESE, ND US USC00323287**

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	05/31	05/27	05/24	05/21	05/19	05/16	05/14	05/11	05/06
32	05/23	05/18	05/15	05/12	05/09	05/06	05/03	05/01	04/27
28	05/13	05/09	05/05	05/03	04/30	04/28	04/25	04/21	04/15
24	05/04	05/01	04/27	04/24	04/21	04/18	04/15	04/11	04/07
20	04/28	04/22	04/18	04/15	04/12	04/09	04/06	04/03	03/31
16	04/19	04/14	04/10	04/06	04/04	04/02	03/30	03/26	03/20
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	09/07	09/12	09/16	09/18	09/20	09/22	09/25	09/27	10/01
32	09/17	09/21	09/23	09/26	09/28	10/01	10/03	10/06	10/11
28	09/24	09/28	10/01	10/03	10/05	10/09	10/12	10/15	10/19
24	10/01	10/05	10/09	10/13	10/16	10/19	10/22	10/26	11/01
20	10/10	10/16	10/20	10/23	10/27	10/30	11/02	11/05	11/09
16	10/21	10/27	10/31	11/02	11/04	11/07	11/10	11/14	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	138.0	134.0	130.0	126.0	123.0	120.0	116.0	112.0	106.0
32	157.0	152.0	147.0	143.0	141.0	137.0	134.0	130.0	124.0
28	177.0	171.0	166.0	162.0	158.0	154.0	151.0	147.0	141.0
24	197.0	191.0	185.0	181.0	177.0	174.0	169.0	164.0	157.0
20	217.0	210.0	205.0	201.0	196.0	193.0	188.0	183.0	176.0
16	234.0	228.0	222.0	218.0	214.0	210.0	206.0	201.0	193.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Generated on 10/21/2024

Current Location: Elev: 1611 ft. Lat: 47.8083° N Lon: 99.8758° W
 Station: **HARVEY 4NE, ND US USC00324013**

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	06/01	05/30	05/27	05/25	05/22	05/19	05/16	05/13	05/09
32	05/25	05/21	05/17	05/14	05/12	05/09	05/07	05/04	04/30
28	05/18	05/13	05/10	05/06	05/04	05/01	04/28	04/24	04/18
24	05/09	05/04	04/30	04/28	04/25	04/21	04/18	04/15	04/10
20	04/30	04/25	04/20	04/17	04/14	04/11	04/08	04/06	04/02
16	04/22	04/16	04/13	04/09	04/07	04/05	04/02	03/31	03/24
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	09/05	09/09	09/12	09/15	09/18	09/20	09/22	09/24	09/28
32	09/14	09/18	09/21	09/24	09/26	09/28	10/01	10/03	10/06
28	09/23	09/27	09/29	10/02	10/04	10/06	10/09	10/11	10/15
24	10/01	10/04	10/07	10/10	10/12	10/15	10/18	10/20	10/24
20	10/08	10/12	10/16	10/18	10/21	10/24	10/26	10/29	11/02
16	10/17	10/21	10/24	10/27	10/29	11/01	11/04	11/07	11/11
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	133.0	128.0	124.0	120.0	117.0	114.0	111.0	106.0	100.0
32	152.0	146.0	142.0	138.0	135.0	132.0	129.0	125.0	119.0
28	170.0	164.0	160.0	155.0	151.0	148.0	144.0	139.0	134.0
24	189.0	183.0	178.0	174.0	170.0	166.0	162.0	157.0	151.0
20	207.0	200.0	196.0	192.0	188.0	184.0	180.0	175.0	168.0
16	225.0	217.0	212.0	207.0	203.0	199.0	196.0	190.0	183.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Current Location: Elev: 2600 ft. Lat: 46.5406° N Lon: 102.8692° W
 Station: **NEW ENGLAND, ND US USC00326315**

Generated on 10/21/2024

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	06/10	06/05	06/02	05/30	05/27	05/25	05/23	05/19	05/15
32	05/29	05/26	05/22	05/19	05/16	05/14	05/12	05/09	05/06
28	05/20	05/15	05/11	05/09	05/07	05/04	05/02	04/30	04/24
24	05/10	05/06	05/03	04/30	04/28	04/25	04/21	04/17	04/12
20	05/01	04/26	04/23	04/20	04/17	04/14	04/12	04/09	04/05
16	04/24	04/18	04/15	04/12	04/09	04/07	04/04	04/01	03/25
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	09/02	09/05	09/09	09/12	09/15	09/17	09/20	09/23	09/27
32	09/10	09/15	09/18	09/21	09/24	09/26	09/29	10/02	10/05
28	09/17	09/23	09/27	09/30	10/02	10/04	10/06	10/10	10/15
24	09/26	10/02	10/05	10/08	10/10	10/14	10/17	10/20	10/24
20	10/06	10/10	10/14	10/17	10/19	10/22	10/25	10/28	11/01
16	10/13	10/18	10/22	10/25	10/28	10/31	11/02	11/06	11/12
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	128.0	122.0	117.0	113.0	110.0	106.0	102.0	97.0	91.0
32	145.0	139.0	135.0	132.0	128.0	124.0	120.0	116.0	110.0
28	163.0	158.0	154.0	150.0	146.0	142.0	138.0	134.0	127.0
24	182.0	176.0	171.0	167.0	163.0	160.0	156.0	151.0	145.0
20	202.0	195.0	190.0	186.0	182.0	178.0	173.0	169.0	163.0
16	223.0	213.0	209.0	205.0	200.0	196.0	191.0	186.0	179.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Generated on 10/21/2024

Current Location: Elev: 2245 ft. Lat: 48.3989° N Lon: 102.9181° W
 Station: **TIOGA 1E, ND US USC00328737**

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	06/03	05/30	05/26	05/23	05/21	05/18	05/15	05/12	05/09
32	05/24	05/19	05/16	05/14	05/11	05/09	05/07	05/04	04/30
28	05/15	05/10	05/07	05/05	05/02	04/30	04/27	04/23	04/16
24	05/06	05/01	04/29	04/25	04/22	04/19	04/16	04/13	04/09
20	04/27	04/22	04/18	04/15	04/12	04/09	04/07	04/03	03/31
16	04/19	04/14	04/11	04/08	04/05	04/03	03/31	03/28	03/20
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	09/06	09/10	09/14	09/16	09/19	09/21	09/23	09/26	09/30
32	09/13	09/18	09/21	09/23	09/26	09/28	10/01	10/05	10/09
28	09/20	09/24	09/28	10/01	10/05	10/08	10/12	10/15	10/20
24	09/28	10/04	10/08	10/12	10/15	10/18	10/22	10/26	10/31
20	10/08	10/14	10/17	10/22	10/25	10/27	10/31	11/03	11/08
16	10/16	10/22	10/26	10/30	11/01	11/04	11/07	11/11	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	137.0	131.0	127.0	123.0	120.0	117.0	113.0	108.0	102.0
32	154.0	147.0	143.0	139.0	136.0	132.0	128.0	124.0	118.0
28	175.0	168.0	162.0	159.0	155.0	151.0	146.0	141.0	134.0
24	196.0	189.0	183.0	179.0	174.0	169.0	164.0	160.0	152.0
20	215.0	208.0	203.0	199.0	194.0	190.0	185.0	179.0	171.0
16	232.0	225.0	219.0	214.0	210.0	206.0	201.0	195.0	187.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Generated on 10/21/2024

Current Location: Elev: 1540 ft. Lat: 48.9989° N Lon: 99.3464° W
 Station: **HANSBORO 4 NNE, ND US USC00323963**

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	06/09	06/04	06/01	05/29	05/27	05/24	05/21	05/18	05/14
32	05/31	05/27	05/24	05/21	05/18	05/15	05/13	05/09	05/05
28	05/24	05/19	05/15	05/11	05/08	05/05	05/03	04/30	04/23
24	05/15	05/08	05/04	05/01	04/29	04/26	04/22	04/17	04/12
20	05/05	04/30	04/27	04/22	04/18	04/15	04/12	04/09	04/04
16	04/25	04/20	04/15	04/12	04/09	04/07	04/04	04/02	03/27
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	08/30	09/04	09/08	09/11	09/13	09/16	09/19	09/21	09/25
32	09/11	09/15	09/19	09/21	09/23	09/26	09/28	10/01	10/06
28	09/21	09/24	09/27	09/29	10/01	10/04	10/06	10/10	10/16
24	09/28	10/01	10/04	10/07	10/10	10/13	10/16	10/20	10/25
20	10/05	10/10	10/13	10/17	10/20	10/23	10/27	10/30	11/02
16	10/13	10/18	10/23	10/26	10/29	11/01	11/03	11/06	11/10
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	126.0	120.0	115.0	111.0	107.0	104.0	100.0	95.0	86.0
32	145.0	139.0	134.0	131.0	127.0	123.0	120.0	115.0	109.0
28	165.0	158.0	153.0	150.0	146.0	143.0	138.0	133.0	128.0
24	184.0	178.0	172.0	169.0	164.0	160.0	156.0	151.0	143.0
20	203.0	197.0	191.0	187.0	183.0	178.0	173.0	168.0	162.0
16	220.0	212.0	208.0	204.0	201.0	197.0	193.0	188.0	180.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Current Location: Elev: 1510 ft. Lat: 48.2675° N Lon: 100.8439° W
 Station: **GRANVILLE, ND US USC00323686**

Generated on 10/21/2024

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	06/01	05/27	05/24	05/21	05/18	05/16	05/14	05/11	05/07
32	05/22	05/17	05/14	05/11	05/09	05/06	05/04	05/02	04/28
28	05/11	05/07	05/04	05/02	04/30	04/28	04/24	04/20	04/16
24	05/02	04/29	04/26	04/23	04/19	04/17	04/14	04/10	04/06
20	04/25	04/20	04/17	04/15	04/11	04/09	04/06	04/03	03/29
16	04/19	04/14	04/10	04/06	04/04	04/01	03/29	03/24	03/16
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	09/12	09/16	09/19	09/21	09/23	09/26	09/28	10/01	10/04
32	09/19	09/23	09/26	09/29	10/01	10/03	10/06	10/10	10/14
28	09/26	10/01	10/04	10/06	10/09	10/12	10/15	10/18	10/23
24	10/04	10/09	10/13	10/16	10/18	10/21	10/24	10/28	11/01
20	10/13	10/17	10/20	10/24	10/27	10/31	11/02	11/06	11/11
16	10/19	10/26	10/29	11/01	11/04	11/07	11/10	11/14	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	143.0	137.0	134.0	131.0	127.0	123.0	119.0	115.0	108.0
32	163.0	156.0	152.0	148.0	145.0	142.0	138.0	134.0	128.0
28	182.0	176.0	171.0	167.0	163.0	159.0	154.0	149.0	144.0
24	200.0	194.0	189.0	185.0	181.0	176.0	173.0	169.0	162.0
20	217.0	211.0	206.0	201.0	198.0	194.0	189.0	184.0	177.0
16	235.0	228.0	222.0	218.0	213.0	209.0	204.0	199.0	191.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Current Location: Elev: 2100 ft. Lat: 47.3014° N Lon: 99.9189° W
 Station: **TUTTLE 12NNE, ND US USC00328853**

Generated on 10/21/2024

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	06/08	06/02	05/29	05/26	05/22	05/19	05/16	05/13	05/10
32	05/28	05/22	05/18	05/15	05/13	05/10	05/07	05/05	05/01
28	05/17	05/12	05/09	05/06	05/03	05/01	04/28	04/23	04/16
24	05/07	05/03	04/30	04/27	04/24	04/20	04/17	04/13	04/09
20	04/30	04/24	04/20	04/17	04/14	04/11	04/08	04/06	04/02
16	04/22	04/16	04/12	04/09	04/06	04/04	04/02	03/29	03/22
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	09/09	09/14	09/16	09/19	09/21	09/24	09/26	09/29	10/02
32	09/17	09/21	09/24	09/27	09/29	10/01	10/04	10/06	10/11
28	09/23	09/28	10/01	10/04	10/06	10/09	10/11	10/15	10/19
24	10/01	10/06	10/09	10/12	10/14	10/17	10/20	10/23	10/27
20	10/08	10/13	10/17	10/20	10/23	10/26	10/29	11/01	11/05
16	10/17	10/23	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	138.0	132.0	129.0	125.0	121.0	118.0	114.0	109.0	102.0
32	155.0	149.0	145.0	142.0	139.0	135.0	131.0	127.0	121.0
28	175.0	168.0	163.0	159.0	156.0	152.0	148.0	144.0	136.0
24	193.0	187.0	181.0	177.0	173.0	169.0	165.0	160.0	153.0
20	210.0	205.0	199.0	195.0	190.0	186.0	181.0	177.0	168.0
16	227.0	220.0	214.0	210.0	207.0	203.0	198.0	193.0	186.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Current Location: Elev: 2470 ft. Lat: 46.8886° N Lon: 102.3192° W
 Station: **RICHARDTON ABBEY, ND US USC00327530**

Generated on 10/21/2024

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	06/01	05/28	05/24	05/21	05/19	05/17	05/14	05/11	05/07
32	05/23	05/19	05/15	05/12	05/09	05/07	05/04	05/01	04/28
28	05/12	05/08	05/05	05/02	04/30	04/28	04/24	04/20	04/16
24	05/02	04/29	04/25	04/22	04/19	04/16	04/13	04/10	04/06
20	04/24	04/20	04/17	04/14	04/11	04/08	04/05	04/02	03/28
16	04/18	04/13	04/10	04/06	04/04	04/01	03/29	03/24	03/18
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	09/10	09/16	09/18	09/21	09/24	09/26	09/28	10/01	10/05
32	09/18	09/24	09/27	09/29	10/01	10/04	10/07	10/10	10/15
28	09/27	10/01	10/04	10/07	10/10	10/13	10/16	10/20	10/23
24	10/04	10/09	10/13	10/15	10/18	10/21	10/25	10/28	11/01
20	10/13	10/18	10/22	10/26	10/29	10/31	11/03	11/06	11/12
16	10/22	10/27	10/30	11/02	11/05	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	143.0	137.0	133.0	130.0	127.0	123.0	118.0	115.0	108.0
32	162.0	156.0	152.0	148.0	145.0	141.0	136.0	131.0	124.0
28	182.0	175.0	170.0	167.0	163.0	159.0	155.0	150.0	144.0
24	201.0	194.0	190.0	185.0	182.0	177.0	174.0	169.0	163.0
20	219.0	213.0	207.0	203.0	199.0	195.0	191.0	186.0	179.0
16	236.0	228.0	222.0	218.0	213.0	210.0	205.0	200.0	193.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Current Location: Elev: 2105 ft. Lat: 48.1375° N Lon: 103.7372° W
 Station: **WILLISTON EXP FARM, ND US USC00329430**

Generated on 10/21/2024

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	06/06	06/01	05/28	05/25	05/23	05/20	05/18	05/15	05/12
32	05/25	05/21	05/18	05/15	05/13	05/11	05/08	05/05	05/01
28	05/17	05/12	05/08	05/05	05/03	04/30	04/28	04/24	04/18
24	05/05	05/02	04/30	04/26	04/23	04/20	04/16	04/12	04/07
20	04/27	04/22	04/19	04/15	04/12	04/09	04/06	04/03	03/28
16	04/18	04/13	04/09	04/07	04/04	04/02	03/30	03/24	03/16
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	09/06	09/11	09/15	09/17	09/19	09/21	09/24	09/26	09/30
32	09/14	09/19	09/22	09/24	09/26	09/28	09/30	10/03	10/08
28	09/21	09/25	09/28	09/30	10/03	10/06	10/10	10/14	10/18
24	09/29	10/03	10/07	10/11	10/14	10/17	10/20	10/23	10/27
20	10/07	10/13	10/17	10/20	10/23	10/26	10/29	11/01	11/06
16	10/15	10/20	10/25	10/28	10/31	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	133.0	128.0	124.0	120.0	117.0	114.0	110.0	105.0	99.0
32	153.0	147.0	143.0	140.0	135.0	132.0	128.0	123.0	117.0
28	174.0	168.0	163.0	158.0	154.0	150.0	146.0	141.0	134.0
24	194.0	188.0	183.0	179.0	175.0	171.0	166.0	161.0	153.0
20	213.0	206.0	202.0	198.0	194.0	190.0	185.0	181.0	174.0
16	232.0	224.0	219.0	215.0	209.0	205.0	200.0	195.0	188.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Generated on 10/21/2024

Current Location: Elev: 1810 ft. Lat: 48.6692° N Lon: 102.0975° W

Station: **KENMARE 1 WSW, ND US USC00324646**

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	06/05	06/01	05/29	05/26	05/24	05/22	05/19	05/16	05/12
32	05/28	05/23	05/20	05/17	05/15	05/12	05/09	05/06	05/03
28	05/19	05/14	05/10	05/07	05/05	05/03	05/01	04/28	04/22
24	05/09	05/05	05/03	04/30	04/28	04/25	04/21	04/18	04/13
20	05/01	04/28	04/24	04/21	04/18	04/15	04/12	04/10	04/05
16	04/26	04/20	04/16	04/14	04/11	04/08	04/05	04/02	03/28
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	09/01	09/05	09/09	09/12	09/14	09/16	09/19	09/22	09/25
32	09/10	09/14	09/17	09/20	09/23	09/25	09/27	09/30	10/04
28	09/18	09/23	09/26	09/29	10/01	10/04	10/07	10/10	10/14
24	09/25	09/30	10/04	10/07	10/10	10/13	10/16	10/19	10/25
20	10/05	10/10	10/13	10/16	10/19	10/22	10/26	10/29	11/02
16	10/11	10/17	10/22	10/26	10/29	10/31	11/03	11/08	11/13
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	129.0	123.0	119.0	116.0	112.0	108.0	104.0	100.0	93.0
32	146.0	140.0	136.0	132.0	129.0	126.0	123.0	118.0	112.0
28	167.0	160.0	156.0	151.0	148.0	144.0	140.0	135.0	129.0
24	185.0	178.0	173.0	169.0	165.0	161.0	156.0	152.0	145.0
20	204.0	197.0	191.0	188.0	183.0	179.0	175.0	170.0	164.0
16	220.0	212.0	208.0	204.0	200.0	196.0	191.0	187.0	180.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Current Location: Elev: 2910 ft. Lat: 46.4819° N Lon: 103.3222° W
 Station: **AMIDON, ND US USC00320209**

Generated on 10/21/2024

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	06/07	06/02	05/30	05/27	05/24	05/21	05/18	05/14	05/11
32	05/28	05/22	05/18	05/15	05/12	05/10	05/07	05/05	05/02
28	05/17	05/11	05/08	05/05	05/03	05/01	04/29	04/24	04/17
24	05/07	05/02	04/30	04/26	04/22	04/18	04/15	04/11	04/07
20	04/29	04/22	04/18	04/15	04/12	04/09	04/05	04/03	03/29
16	04/17	04/12	04/08	04/05	04/03	04/01	03/29	03/24	03/15
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	09/05	09/10	09/13	09/17	09/19	09/22	09/24	09/27	10/01
32	09/14	09/20	09/23	09/26	09/29	10/01	10/03	10/06	10/10
28	09/23	09/28	10/01	10/04	10/06	10/09	10/12	10/16	10/20
24	10/01	10/06	10/10	10/13	10/16	10/18	10/21	10/25	10/30
20	10/08	10/14	10/18	10/22	10/25	10/27	10/31	11/03	11/09
16	10/18	10/23	10/26	10/29	11/01	11/04	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	135.0	129.0	125.0	121.0	117.0	114.0	109.0	104.0	98.0
32	154.0	148.0	143.0	139.0	136.0	132.0	128.0	124.0	116.0
28	175.0	169.0	163.0	158.0	154.0	150.0	146.0	141.0	134.0
24	196.0	188.0	184.0	179.0	175.0	171.0	165.0	159.0	152.0
20	216.0	209.0	203.0	198.0	193.0	190.0	185.0	180.0	173.0
16	235.0	226.0	220.0	215.0	212.0	208.0	203.0	197.0	190.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Generated on 10/21/2024

Current Location: Elev: 2460 ft. Lat: 46.8914° N Lon: 102.7792° W
 Station: **DICKINSON, ND US USC00322188**

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	06/17	06/10	06/05	06/02	05/31	05/28	05/26	05/24	05/19
32	06/01	05/28	05/25	05/23	05/20	05/17	05/15	05/12	05/08
28	05/24	05/19	05/15	05/12	05/10	05/07	05/04	05/02	04/27
24	05/14	05/09	05/05	05/02	04/30	04/28	04/24	04/20	04/15
20	05/03	04/29	04/26	04/23	04/20	04/16	04/14	04/10	04/06
16	04/24	04/20	04/16	04/13	04/10	04/08	04/05	04/01	03/26
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	08/27	09/02	09/06	09/09	09/12	09/15	09/17	09/20	09/24
32	09/08	09/13	09/16	09/19	09/22	09/24	09/26	09/29	10/03
28	09/16	09/20	09/24	09/26	09/29	10/01	10/04	10/07	10/13
24	09/23	09/28	10/01	10/04	10/06	10/09	10/13	10/16	10/20
20	10/01	10/05	10/09	10/13	10/15	10/18	10/21	10/25	10/30
16	10/08	10/14	10/18	10/22	10/25	10/27	10/31	11/03	11/09
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	120.0	115.0	110.0	105.0	102.0	99.0	95.0	89.0	81.0
32	140.0	134.0	130.0	126.0	123.0	119.0	115.0	111.0	104.0
28	159.0	154.0	149.0	146.0	141.0	138.0	134.0	129.0	123.0
24	178.0	172.0	168.0	164.0	159.0	156.0	152.0	146.0	140.0
20	199.0	191.0	185.0	182.0	178.0	174.0	170.0	165.0	157.0
16	219.0	212.0	207.0	202.0	198.0	193.0	189.0	183.0	176.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Generated on 10/21/2024

Current Location: Elev: 1902 ft. Lat: 48.1739° N Lon: 103.6367° W
 Station: **WILLISTON SLOULIN INTL AP, ND US USW00094014**

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	06/16	06/08	06/04	06/01	05/29	05/27	05/25	05/22	05/18
32	06/03	05/29	05/26	05/24	05/21	05/18	05/16	05/13	05/08
28	05/25	05/20	05/16	05/14	05/11	05/08	05/05	05/03	04/29
24	05/15	05/10	05/06	05/03	04/30	04/27	04/23	04/19	04/13
20	05/03	04/29	04/24	04/20	04/17	04/14	04/10	04/07	04/03
16	04/22	04/17	04/13	04/10	04/06	04/04	04/02	03/30	03/22
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	09/01	09/04	09/07	09/10	09/12	09/15	09/17	09/19	09/23
32	09/09	09/13	09/17	09/19	09/21	09/23	09/25	09/28	10/02
28	09/16	09/20	09/23	09/25	09/28	09/30	10/03	10/06	10/11
24	09/23	09/27	10/01	10/04	10/07	10/10	10/13	10/17	10/21
20	10/01	10/06	10/10	10/13	10/16	10/19	10/22	10/25	10/30
16	10/09	10/14	10/19	10/22	10/25	10/28	10/31	11/04	11/09
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	122.0	116.0	111.0	108.0	105.0	101.0	96.0	91.0	84.0
32	140.0	135.0	130.0	127.0	123.0	119.0	115.0	109.0	103.0
28	159.0	152.0	147.0	143.0	140.0	136.0	132.0	128.0	120.0
24	182.0	173.0	168.0	163.0	159.0	155.0	151.0	145.0	139.0
20	202.0	195.0	190.0	185.0	180.0	176.0	170.0	165.0	157.0
16	221.0	214.0	209.0	204.0	200.0	195.0	190.0	185.0	176.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Current Location: Elev: 1690 ft. Lat: 46.2667° N Lon: 100.2306° W
 Station: **LINTON, ND US USC00325210**

Generated on 10/21/2024

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	06/04	05/31	05/26	05/24	05/20	05/17	05/14	05/11	05/07
32	05/26	05/22	05/17	05/14	05/12	05/09	05/06	05/03	04/29
28	05/17	05/13	05/09	05/05	05/03	05/01	04/28	04/25	04/20
24	05/09	05/04	05/01	04/28	04/26	04/23	04/19	04/16	04/12
20	05/01	04/26	04/22	04/19	04/16	04/14	04/10	04/08	04/03
16	04/22	04/17	04/13	04/10	04/07	04/05	04/02	03/30	03/22
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	09/06	09/11	09/15	09/17	09/20	09/22	09/25	09/28	10/02
32	09/15	09/20	09/23	09/26	09/29	10/01	10/04	10/07	10/12
28	09/21	09/27	10/01	10/03	10/05	10/08	10/12	10/16	10/20
24	09/29	10/03	10/07	10/11	10/14	10/18	10/21	10/25	10/29
20	10/06	10/13	10/17	10/21	10/24	10/27	10/30	11/02	11/06
16	10/16	10/22	10/26	10/29	11/01	11/03	11/06	11/09	11/14
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	139.0	132.0	128.0	123.0	119.0	116.0	111.0	107.0	100.0
32	156.0	151.0	147.0	142.0	138.0	135.0	130.0	125.0	119.0
28	173.0	167.0	162.0	158.0	154.0	150.0	145.0	141.0	134.0
24	191.0	184.0	180.0	175.0	171.0	166.0	162.0	156.0	149.0
20	210.0	203.0	198.0	193.0	189.0	185.0	181.0	175.0	167.0
16	226.0	218.0	213.0	210.0	206.0	202.0	198.0	193.0	186.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Current Location: Elev: 1641 ft. Lat: 48.7603° N Lon: 101.5089° W
 Station: **MOHALL, ND US USC00326025**

Generated on 10/21/2024

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	06/07	06/03	05/31	05/29	05/26	05/24	05/21	05/19	05/15
32	05/30	05/25	05/22	05/20	05/17	05/15	05/12	05/10	05/06
28	05/23	05/18	05/14	05/11	05/09	05/06	05/04	05/01	04/26
24	05/15	05/09	05/06	05/03	04/30	04/27	04/24	04/19	04/14
20	05/06	05/02	04/29	04/24	04/20	04/17	04/13	04/09	04/05
16	04/30	04/23	04/18	04/15	04/11	04/08	04/05	04/02	03/28
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	09/02	09/07	09/10	09/12	09/15	09/17	09/19	09/22	09/26
32	09/11	09/15	09/18	09/20	09/23	09/25	09/27	09/30	10/05
28	09/18	09/22	09/26	09/28	10/01	10/04	10/06	10/10	10/14
24	09/25	09/30	10/03	10/07	10/10	10/12	10/15	10/19	10/24
20	10/03	10/09	10/13	10/16	10/19	10/22	10/25	10/29	11/03
16	10/13	10/18	10/22	10/26	10/29	11/01	11/04	11/07	11/13
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	127.0	121.0	117.0	114.0	110.0	106.0	103.0	98.0	92.0
32	142.0	138.0	133.0	130.0	127.0	124.0	120.0	117.0	111.0
28	161.0	155.0	151.0	147.0	143.0	140.0	136.0	131.0	125.0
24	184.0	177.0	171.0	167.0	163.0	158.0	153.0	147.0	141.0
20	202.0	195.0	190.0	185.0	181.0	176.0	172.0	166.0	159.0
16	220.0	213.0	208.0	203.0	199.0	195.0	190.0	185.0	177.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Current Location: Elev: 1893 ft. Lat: 47.5214° N Lon: 100.8883° W
 Station: **TURTLE LAKE, ND US USC00328840**

Generated on 10/21/2024

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	06/04	05/31	05/29	05/26	05/24	05/21	05/19	05/15	05/12
32	05/26	05/22	05/19	05/17	05/14	05/12	05/10	05/07	05/03
28	05/18	05/13	05/10	05/08	05/05	05/02	04/30	04/26	04/20
24	05/09	05/05	05/02	04/30	04/27	04/22	04/19	04/15	04/10
20	05/01	04/26	04/22	04/18	04/16	04/13	04/10	04/06	04/02
16	04/22	04/17	04/14	04/11	04/08	04/05	04/03	03/31	03/25
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	09/07	09/11	09/14	09/17	09/19	09/21	09/23	09/25	09/30
32	09/15	09/19	09/22	09/24	09/26	09/28	10/01	10/04	10/09
28	09/23	09/26	09/29	10/02	10/05	10/09	10/12	10/15	10/20
24	10/01	10/05	10/10	10/13	10/15	10/18	10/21	10/24	10/29
20	10/09	10/14	10/18	10/22	10/25	10/28	10/31	11/03	11/08
16	10/18	10/23	10/27	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	133.0	128.0	125.0	121.0	118.0	115.0	111.0	107.0	101.0
32	154.0	147.0	143.0	139.0	136.0	133.0	129.0	125.0	119.0
28	172.0	166.0	162.0	159.0	155.0	151.0	146.0	141.0	136.0
24	193.0	186.0	181.0	176.0	173.0	169.0	164.0	160.0	153.0
20	210.0	204.0	199.0	195.0	191.0	187.0	183.0	178.0	170.0
16	228.0	221.0	215.0	211.0	207.0	204.0	200.0	195.0	189.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Current Location: Elev: 908 ft. Lat: 46.8292° N Lon: 96.7961° W
 Station: **FARGO 3S, ND US USC00322860**

Generated on 10/21/2024

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	05/26	05/23	05/19	05/16	05/13	05/11	05/08	05/06	05/02
32	05/18	05/13	05/09	05/06	05/04	05/01	04/29	04/26	04/21
28	05/09	05/04	04/30	04/28	04/25	04/23	04/19	04/16	04/10
24	04/30	04/26	04/22	04/19	04/16	04/12	04/09	04/06	04/02
20	04/22	04/17	04/13	04/09	04/07	04/05	04/02	03/31	03/23
16	04/14	04/09	04/05	04/03	04/01	03/29	03/24	03/20	03/15
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	09/12	09/17	09/19	09/22	09/24	09/25	09/28	10/01	10/05
32	09/22	09/25	09/28	09/30	10/02	10/04	10/08	10/11	10/15
28	09/29	10/02	10/06	10/09	10/12	10/15	10/19	10/22	10/26
24	10/07	10/13	10/16	10/20	10/23	10/27	10/29	11/01	11/06
20	10/18	10/23	10/27	10/31	11/01	11/05	11/07	11/11	11/15
16	10/28	11/01	11/04	11/07	11/09	11/12	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	149.0	143.0	139.0	135.0	132.0	128.0	124.0	120.0	114.0
32	167.0	162.0	158.0	154.0	151.0	147.0	143.0	139.0	133.0
28	188.0	181.0	177.0	173.0	170.0	166.0	163.0	158.0	152.0
24	210.0	202.0	196.0	192.0	188.0	184.0	180.0	176.0	169.0
20	226.0	220.0	214.0	210.0	206.0	201.0	197.0	193.0	185.0
16	242.0	235.0	230.0	225.0	221.0	218.0	214.0	208.0	201.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Generated on 10/21/2024

Current Location: Elev: 1555 ft. Lat: 47.5808° N Lon: 98.6422° W
 Station: **MC HENRY 3W, ND US USC00325730**

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	06/02	05/29	05/26	05/23	05/21	05/18	05/16	05/13	05/10
32	05/25	05/20	05/17	05/15	05/12	05/10	05/07	05/04	04/30
28	05/16	05/12	05/09	05/06	05/03	04/30	04/28	04/24	04/18
24	05/08	05/04	04/30	04/28	04/24	04/21	04/17	04/14	04/09
20	04/30	04/25	04/21	04/17	04/14	04/11	04/08	04/05	04/02
16	04/21	04/15	04/12	04/09	04/06	04/04	04/02	03/30	03/23
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	09/09	09/13	09/16	09/18	09/21	09/23	09/25	09/28	10/01
32	09/16	09/20	09/23	09/26	09/28	09/30	10/02	10/06	10/10
28	09/25	09/29	10/01	10/04	10/07	10/10	10/13	10/16	10/20
24	10/03	10/07	10/12	10/14	10/17	10/20	10/22	10/26	10/29
20	10/12	10/17	10/20	10/24	10/27	10/30	11/01	11/04	11/08
16	10/20	10/25	10/29	11/01	11/03	11/06	11/08	11/11	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	138.0	133.0	130.0	126.0	122.0	119.0	116.0	111.0	105.0
32	155.0	150.0	146.0	142.0	139.0	136.0	132.0	127.0	121.0
28	174.0	168.0	163.0	159.0	156.0	153.0	149.0	144.0	138.0
24	194.0	187.0	182.0	178.0	174.0	171.0	166.0	161.0	155.0
20	212.0	206.0	201.0	197.0	194.0	189.0	185.0	179.0	174.0
16	227.0	221.0	216.0	213.0	209.0	206.0	202.0	197.0	192.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Current Location: Elev: 1658 ft. Lat: 46.7708° N Lon: 100.7603° W
 Station: **BISMARCK, ND US USW00024011**

Generated on 10/21/2024

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	06/07	06/02	05/30	05/27	05/25	05/22	05/18	05/15	05/11
32	05/27	05/22	05/19	05/16	05/14	05/11	05/08	05/05	05/01
28	05/17	05/13	05/10	05/06	05/03	05/01	04/29	04/26	04/20
24	05/08	05/04	05/01	04/28	04/25	04/21	04/18	04/14	04/10
20	04/30	04/25	04/20	04/17	04/14	04/11	04/08	04/05	04/01
16	04/20	04/14	04/10	04/08	04/05	04/02	03/31	03/27	03/19
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	09/07	09/11	09/14	09/17	09/19	09/21	09/23	09/26	09/29
32	09/15	09/20	09/23	09/25	09/27	09/29	10/02	10/05	10/09
28	09/22	09/27	09/30	10/03	10/05	10/08	10/10	10/13	10/18
24	10/01	10/05	10/08	10/12	10/14	10/17	10/20	10/23	10/27
20	10/09	10/14	10/19	10/21	10/24	10/27	10/29	11/01	11/05
16	10/20	10/24	10/28	10/31	11/02	11/04	11/07	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	133.0	128.0	123.0	119.0	116.0	112.0	108.0	103.0	96.0
32	153.0	147.0	143.0	139.0	136.0	132.0	128.0	124.0	117.0
28	174.0	167.0	162.0	158.0	154.0	150.0	146.0	142.0	135.0
24	192.0	187.0	182.0	177.0	173.0	169.0	164.0	160.0	153.0
20	212.0	206.0	201.0	196.0	192.0	187.0	183.0	178.0	171.0
16	230.0	224.0	219.0	214.0	210.0	206.0	202.0	197.0	190.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Generated on 10/21/2024

Current Location: Elev: 1125 ft. Lat: 46.0725° N Lon: 97.1461° W
 Station: **LIDGERWOOD, ND US USC00325186**

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	05/26	05/21	05/17	05/15	05/12	05/09	05/06	05/03	04/30
32	05/15	05/11	05/07	05/04	05/02	04/30	04/28	04/25	04/20
28	05/05	05/01	04/29	04/26	04/23	04/20	04/17	04/13	04/09
24	04/27	04/21	04/18	04/15	04/13	04/10	04/07	04/04	04/01
20	04/18	04/14	04/10	04/07	04/05	04/03	03/31	03/27	03/20
16	04/12	04/07	04/03	04/01	03/30	03/25	03/21	03/17	03/14
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	09/17	09/21	09/23	09/26	09/28	09/30	10/02	10/06	10/10
32	09/25	09/29	10/01	10/03	10/06	10/09	10/12	10/16	10/20
28	10/02	10/07	10/11	10/15	10/18	10/21	10/23	10/26	10/31
24	10/11	10/17	10/21	10/25	10/28	10/30	11/01	11/05	11/09
20	10/22	10/27	10/30	11/01	11/05	11/07	11/10	11/13	11/19
16	10/30	11/03	11/07	11/10	11/12	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	157.0	151.0	147.0	143.0	140.0	136.0	133.0	129.0	123.0
32	176.0	169.0	165.0	161.0	157.0	154.0	150.0	146.0	140.0
28	196.0	189.0	185.0	180.0	176.0	173.0	169.0	164.0	156.0
24	216.0	209.0	204.0	201.0	197.0	193.0	189.0	184.0	176.0
20	231.0	225.0	220.0	217.0	213.0	209.0	206.0	201.0	194.0
16	247.0	239.0	235.0	231.0	227.0	224.0	220.0	215.0	210.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Generated on 10/21/2024

Current Location: Elev: 2134 ft. Lat: 46.5917° N Lon: 101.8075° W
 Station: **HEART BUTTE DAM, ND US USC00324091**

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	06/05	06/01	05/29	05/26	05/24	05/21	05/19	05/16	05/13
32	05/28	05/23	05/20	05/17	05/14	05/12	05/09	05/07	05/03
28	05/18	05/14	05/10	05/07	05/05	05/03	05/01	04/28	04/21
24	05/09	05/04	05/01	04/29	04/26	04/22	04/18	04/15	04/11
20	04/30	04/25	04/21	04/17	04/14	04/12	04/09	04/06	04/03
16	04/19	04/14	04/11	04/09	04/07	04/04	04/02	03/30	03/23
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	09/04	09/10	09/14	09/17	09/20	09/22	09/25	09/27	10/01
32	09/16	09/20	09/24	09/26	09/29	10/01	10/04	10/07	10/10
28	09/23	09/28	10/01	10/04	10/06	10/08	10/11	10/14	10/18
24	10/01	10/05	10/08	10/11	10/14	10/17	10/19	10/23	10/27
20	10/07	10/13	10/16	10/20	10/23	10/25	10/28	11/01	11/06
16	10/16	10/22	10/26	10/29	10/31	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	135.0	129.0	125.0	121.0	117.0	114.0	110.0	105.0	98.0
32	153.0	147.0	142.0	139.0	136.0	132.0	128.0	124.0	118.0
28	173.0	166.0	161.0	157.0	153.0	150.0	146.0	140.0	134.0
24	191.0	185.0	180.0	176.0	172.0	168.0	164.0	159.0	152.0
20	209.0	203.0	198.0	194.0	191.0	187.0	182.0	176.0	169.0
16	227.0	219.0	213.0	209.0	206.0	202.0	198.0	193.0	187.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Generated on 10/21/2024

Current Location: Elev: 1149 ft. Lat: 46.4444° N Lon: 97.6928° W
 Station: LISBON, ND US USC00325220

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	06/03	05/30	05/26	05/24	05/21	05/19	05/17	05/14	05/10
32	05/23	05/20	05/17	05/14	05/12	05/09	05/07	05/04	04/30
28	05/15	05/10	05/07	05/05	05/03	04/30	04/28	04/25	04/20
24	05/05	05/01	04/28	04/25	04/22	04/20	04/17	04/13	04/10
20	04/28	04/23	04/19	04/16	04/13	04/11	04/08	04/05	04/01
16	04/21	04/16	04/12	04/09	04/06	04/03	04/01	03/30	03/24
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	09/06	09/10	09/14	09/16	09/19	09/21	09/23	09/26	09/30
32	09/14	09/19	09/22	09/25	09/27	09/29	10/01	10/04	10/08
28	09/23	09/27	09/30	10/02	10/04	10/07	10/10	10/14	10/18
24	10/01	10/05	10/08	10/11	10/14	10/18	10/21	10/25	10/29
20	10/08	10/13	10/18	10/22	10/26	10/28	11/01	11/03	11/08
16	10/19	10/26	10/29	11/01	11/03	11/06	11/09	11/13	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	134.0	129.0	125.0	121.0	118.0	115.0	111.0	106.0	100.0
32	153.0	148.0	144.0	140.0	136.0	132.0	129.0	124.0	118.0
28	171.0	166.0	162.0	159.0	155.0	152.0	148.0	144.0	137.0
24	192.0	187.0	182.0	177.0	173.0	170.0	166.0	161.0	154.0
20	213.0	206.0	201.0	197.0	193.0	189.0	184.0	179.0	171.0
16	229.0	223.0	218.0	214.0	210.0	206.0	201.0	196.0	189.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Generated on 10/21/2024

Current Location: Elev: 2426 ft. Lat: 46.3747° N Lon: 102.3211° W

Station: **MOTT, ND US USC00326155**

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	06/08	06/04	06/01	05/29	05/27	05/24	05/22	05/19	05/15
32	05/30	05/25	05/22	05/19	05/16	05/14	05/12	05/09	05/06
28	05/21	05/15	05/12	05/09	05/07	05/05	05/02	04/30	04/25
24	05/11	05/06	05/02	04/30	04/28	04/25	04/22	04/18	04/13
20	05/01	04/27	04/23	04/20	04/17	04/15	04/11	04/09	04/05
16	04/23	04/18	04/15	04/12	04/09	04/07	04/04	04/01	03/24
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	09/02	09/06	09/09	09/12	09/15	09/18	09/20	09/24	09/28
32	09/11	09/17	09/19	09/22	09/25	09/27	10/01	10/03	10/07
28	09/19	09/24	09/27	10/01	10/03	10/05	10/08	10/12	10/17
24	09/26	10/01	10/04	10/08	10/12	10/15	10/18	10/21	10/26
20	10/04	10/10	10/15	10/18	10/21	10/24	10/28	10/30	11/04
16	10/15	10/20	10/24	10/28	10/30	11/01	11/04	11/08	11/13
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	128.0	122.0	117.0	113.0	109.0	107.0	103.0	99.0	93.0
32	147.0	141.0	136.0	132.0	129.0	125.0	122.0	118.0	111.0
28	167.0	160.0	155.0	151.0	148.0	144.0	139.0	134.0	128.0
24	185.0	180.0	175.0	170.0	166.0	162.0	157.0	153.0	146.0
20	204.0	198.0	193.0	188.0	184.0	180.0	176.0	170.0	164.0
16	224.0	216.0	211.0	207.0	202.0	197.0	193.0	188.0	181.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Generated on 10/21/2024

Current Location: Elev: 2380 ft. Lat: 47.1944° N Lon: 102.8414° W
 Station: **DICKINSON RCH HQ, ND US USC00322193**

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	06/11	06/05	06/02	05/30	05/28	05/25	05/23	05/19	05/15
32	05/31	05/27	05/24	05/21	05/18	05/15	05/13	05/10	05/05
28	05/21	05/17	05/14	05/12	05/09	05/06	05/03	04/30	04/24
24	05/13	05/09	05/05	05/02	04/29	04/25	04/21	04/18	04/13
20	05/03	04/29	04/24	04/20	04/18	04/15	04/12	04/09	04/06
16	04/24	04/19	04/16	04/13	04/10	04/07	04/05	04/02	03/27
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	09/03	09/07	09/11	09/14	09/16	09/19	09/21	09/24	09/28
32	09/11	09/16	09/19	09/22	09/24	09/26	09/30	10/02	10/06
28	09/20	09/24	09/27	09/30	10/03	10/05	10/08	10/11	10/16
24	09/27	10/02	10/06	10/09	10/12	10/15	10/18	10/21	10/25
20	10/07	10/12	10/15	10/19	10/21	10/24	10/27	10/29	11/03
16	10/14	10/20	10/23	10/27	10/30	11/01	11/05	11/09	11/14
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	127.0	122.0	118.0	114.0	110.0	106.0	102.0	97.0	89.0
32	146.0	139.0	135.0	131.0	127.0	123.0	119.0	115.0	108.0
28	165.0	159.0	153.0	150.0	146.0	142.0	138.0	134.0	126.0
24	185.0	179.0	174.0	169.0	165.0	161.0	156.0	152.0	144.0
20	204.0	198.0	193.0	189.0	185.0	180.0	176.0	171.0	163.0
16	223.0	215.0	209.0	205.0	201.0	197.0	193.0	188.0	180.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Current Location: Elev: 1665 ft. Lat: 48.2553° N Lon: 101.2733° W
 Station: **MINOT INTL AP, ND US USW00024013**

Generated on 10/21/2024

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	05/31	05/27	05/24	05/22	05/19	05/16	05/14	05/11	05/06
32	05/22	05/18	05/15	05/13	05/10	05/07	05/04	05/01	04/27
28	05/14	05/09	05/06	05/03	04/30	04/28	04/24	04/19	04/15
24	05/05	04/30	04/25	04/22	04/19	04/16	04/13	04/09	04/05
20	04/25	04/20	04/16	04/13	04/10	04/07	04/05	04/02	03/29
16	04/17	04/12	04/09	04/06	04/04	04/01	03/30	03/26	03/19
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	09/11	09/15	09/18	09/20	09/22	09/25	09/27	09/30	10/04
32	09/19	09/23	09/27	09/29	10/01	10/03	10/06	10/09	10/14
28	09/27	10/01	10/04	10/07	10/10	10/13	10/15	10/19	10/23
24	10/06	10/10	10/14	10/17	10/20	10/23	10/25	10/28	11/01
20	10/13	10/18	10/22	10/25	10/28	10/31	11/02	11/05	11/11
16	10/22	10/27	10/30	11/01	11/04	11/07	11/10	11/14	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	143.0	137.0	133.0	129.0	127.0	123.0	120.0	115.0	108.0
32	163.0	157.0	152.0	148.0	144.0	140.0	136.0	132.0	126.0
28	183.0	176.0	172.0	167.0	163.0	159.0	155.0	150.0	142.0
24	201.0	195.0	190.0	185.0	181.0	177.0	173.0	169.0	162.0
20	218.0	210.0	206.0	202.0	199.0	195.0	189.0	185.0	179.0
16	235.0	229.0	222.0	218.0	213.0	209.0	206.0	201.0	195.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Generated on 10/21/2024

Current Location: Elev: 2580 ft. Lat: 46.7994° N Lon: 102.7972° W
 Station: **THEODORE ROOSEVELT AP, ND US USW00024012**

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	06/12	06/06	06/03	05/31	05/29	05/27	05/24	05/21	05/16
32	05/31	05/27	05/24	05/21	05/18	05/16	05/13	05/09	05/06
28	05/22	05/17	05/13	05/10	05/08	05/05	05/03	05/01	04/26
24	05/10	05/06	05/03	05/01	04/28	04/25	04/21	04/18	04/13
20	05/01	04/26	04/22	04/19	04/17	04/14	04/10	04/07	04/03
16	04/22	04/17	04/13	04/11	04/08	04/05	04/02	03/30	03/21
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	09/03	09/07	09/11	09/14	09/16	09/18	09/21	09/24	09/28
32	09/12	09/17	09/20	09/22	09/25	09/27	09/30	10/03	10/07
28	09/22	09/26	09/28	10/01	10/03	10/05	10/08	10/12	10/16
24	09/28	10/02	10/05	10/08	10/12	10/14	10/17	10/21	10/25
20	10/05	10/11	10/14	10/17	10/20	10/23	10/26	10/30	11/04
16	10/14	10/19	10/22	10/25	10/28	10/31	11/03	11/06	11/12
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	127.0	120.0	116.0	112.0	109.0	105.0	101.0	95.0	89.0
32	146.0	140.0	137.0	133.0	129.0	125.0	121.0	116.0	110.0
28	166.0	160.0	155.0	151.0	147.0	144.0	140.0	136.0	129.0
24	185.0	179.0	174.0	171.0	166.0	163.0	158.0	153.0	146.0
20	206.0	198.0	193.0	189.0	185.0	181.0	177.0	173.0	165.0
16	223.0	215.0	211.0	207.0	202.0	198.0	194.0	189.0	182.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Generated on 10/21/2024

Current Location: Elev: 1380 ft. Lat: 47.4050° N Lon: 98.0381° W
 Station: **COOPERSTOWN, ND US USC00321766**

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	06/10	06/04	06/01	05/29	05/27	05/24	05/20	05/17	05/14
32	06/01	05/27	05/24	05/21	05/17	05/15	05/12	05/09	05/05
28	05/22	05/16	05/13	05/10	05/07	05/04	05/01	04/29	04/23
24	05/12	05/06	05/02	04/29	04/26	04/23	04/19	04/14	04/10
20	05/02	04/27	04/23	04/19	04/15	04/13	04/10	04/07	04/03
16	04/23	04/17	04/14	04/10	04/08	04/05	04/03	03/31	03/25
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	08/29	09/03	09/08	09/11	09/14	09/16	09/18	09/21	09/25
32	09/10	09/15	09/18	09/21	09/23	09/25	09/28	10/01	10/05
28	09/19	09/24	09/27	09/30	10/02	10/05	10/07	10/10	10/15
24	09/29	10/02	10/05	10/09	10/11	10/15	10/18	10/21	10/25
20	10/06	10/11	10/15	10/18	10/21	10/24	10/28	10/31	11/04
16	10/15	10/20	10/24	10/27	10/30	11/01	11/04	11/07	11/11
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	128.0	122.0	117.0	113.0	109.0	104.0	100.0	94.0	85.0
32	147.0	140.0	136.0	132.0	128.0	124.0	120.0	115.0	109.0
28	167.0	160.0	155.0	151.0	147.0	143.0	139.0	135.0	128.0
24	188.0	181.0	176.0	171.0	167.0	163.0	158.0	152.0	145.0
20	206.0	199.0	195.0	191.0	186.0	183.0	178.0	173.0	165.0
16	223.0	216.0	212.0	206.0	203.0	198.0	195.0	190.0	183.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Generated on 10/21/2024

Current Location: Elev: 2142 ft. Lat: 48.9797° N Lon: 100.3344° W

Station: **LAKE METIGOSHE SP, ND US USC00324879**

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	06/08	06/03	06/01	05/30	05/27	05/24	05/22	05/18	05/14
32	05/30	05/25	05/22	05/19	05/17	05/15	05/12	05/08	05/04
28	05/20	05/16	05/12	05/10	05/07	05/05	05/02	04/30	04/26
24	05/12	05/07	05/04	05/02	04/30	04/27	04/24	04/20	04/15
20	05/03	04/30	04/27	04/23	04/20	04/17	04/14	04/10	04/07
16	04/27	04/21	04/18	04/15	04/12	04/09	04/07	04/04	04/01
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	09/02	09/07	09/10	09/12	09/15	09/17	09/20	09/22	09/26
32	09/12	09/16	09/19	09/22	09/24	09/26	09/28	10/01	10/06
28	09/19	09/24	09/27	09/29	10/02	10/05	10/08	10/12	10/17
24	09/30	10/03	10/06	10/09	10/13	10/16	10/19	10/22	10/27
20	10/07	10/13	10/17	10/20	10/23	10/26	10/29	11/01	11/07
16	10/17	10/23	10/27	10/29	11/01	11/04	11/07	11/10	11/14
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	129.0	123.0	118.0	114.0	110.0	107.0	103.0	98.0	91.0
32	147.0	141.0	137.0	133.0	130.0	126.0	122.0	118.0	112.0
28	166.0	160.0	156.0	152.0	149.0	145.0	142.0	136.0	129.0
24	186.0	179.0	173.0	170.0	166.0	163.0	159.0	154.0	149.0
20	205.0	198.0	193.0	188.0	184.0	181.0	176.0	171.0	164.0
16	220.0	214.0	209.0	206.0	201.0	197.0	193.0	189.0	182.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Generated on 10/21/2024

Current Location: Elev: 935 ft. Lat: 46.8769° N Lon: 97.2328° W

Station: **CASSELTON AGRONOMY FARM, ND US USC00321408**

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	05/29	05/25	05/22	05/20	05/18	05/15	05/12	05/09	05/04
32	05/21	05/17	05/14	05/11	05/09	05/05	05/03	04/30	04/25
28	05/13	05/09	05/04	05/01	04/29	04/26	04/22	04/18	04/12
24	05/03	04/28	04/25	04/21	04/18	04/14	04/11	04/08	04/05
20	04/24	04/18	04/13	04/11	04/08	04/06	04/04	04/01	03/27
16	04/16	04/11	04/07	04/05	04/03	04/01	03/29	03/24	03/17
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	09/10	09/14	09/17	09/19	09/22	09/24	09/26	09/29	10/03
32	09/17	09/22	09/26	09/29	10/01	10/03	10/06	10/09	10/15
28	09/26	10/01	10/04	10/07	10/10	10/14	10/17	10/21	10/24
24	10/04	10/10	10/13	10/18	10/21	10/25	10/28	10/31	11/03
20	10/14	10/22	10/25	10/28	10/31	11/02	11/05	11/08	11/13
16	10/26	10/31	11/02	11/04	11/07	11/10	11/13	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	144.0	137.0	133.0	129.0	126.0	123.0	119.0	115.0	108.0
32	163.0	156.0	151.0	147.0	143.0	140.0	137.0	133.0	126.0
28	183.0	177.0	171.0	167.0	163.0	159.0	155.0	150.0	143.0
24	204.0	197.0	192.0	187.0	183.0	179.0	175.0	168.0	161.0
20	221.0	214.0	210.0	206.0	203.0	199.0	194.0	187.0	181.0
16	236.0	229.0	225.0	221.0	217.0	214.0	210.0	205.0	198.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Generated on 10/21/2024

Current Location: Elev: 1951 ft. Lat: 46.6275° N Lon: 99.1383° W
 Station: **GACKLE, ND US USC00323309**

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	05/29	05/24	05/21	05/18	05/15	05/13	05/10	05/07	05/03
32	05/19	05/14	05/12	05/09	05/06	05/04	05/02	04/30	04/24
28	05/10	05/06	05/03	04/30	04/28	04/26	04/22	04/18	04/14
24	05/02	04/29	04/25	04/21	04/18	04/15	04/12	04/09	04/05
20	04/24	04/19	04/16	04/13	04/10	04/07	04/05	04/02	03/30
16	04/17	04/12	04/08	04/05	04/03	04/01	03/29	03/25	03/19
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	09/15	09/19	09/22	09/25	09/27	09/29	10/01	10/03	10/07
32	09/23	09/27	09/30	10/02	10/04	10/06	10/09	10/11	10/15
28	09/30	10/03	10/06	10/09	10/12	10/14	10/17	10/20	10/24
24	10/06	10/12	10/15	10/18	10/21	10/23	10/26	10/30	11/03
20	10/15	10/20	10/23	10/26	10/29	11/01	11/03	11/07	11/10
16	10/24	10/28	10/31	11/02	11/05	11/07	11/10	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	150.0	145.0	141.0	137.0	134.0	130.0	127.0	122.0	116.0
32	168.0	162.0	158.0	154.0	150.0	147.0	144.0	139.0	133.0
28	185.0	179.0	174.0	171.0	167.0	163.0	159.0	155.0	148.0
24	204.0	197.0	192.0	188.0	184.0	180.0	176.0	171.0	165.0
20	220.0	213.0	208.0	205.0	201.0	197.0	193.0	188.0	181.0
16	233.0	227.0	222.0	219.0	215.0	211.0	207.0	202.0	196.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Current Location: Elev: 2670 ft. Lat: 47.4011° N Lon: 103.2072° W
 Station: **GRASSY BUTTE 2ENE, ND US USC00323705**

Generated on 10/21/2024

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	06/21	06/10	06/05	06/02	05/30	05/27	05/24	05/21	05/17
32	06/01	05/28	05/24	05/21	05/18	05/16	05/14	05/11	05/07
28	05/22	05/18	05/14	05/12	05/09	05/06	05/03	05/01	04/26
24	05/11	05/06	05/03	04/30	04/28	04/25	04/21	04/17	04/12
20	04/30	04/26	04/23	04/20	04/16	04/13	04/10	04/07	04/03
16	04/23	04/18	04/14	04/11	04/07	04/04	04/02	03/30	03/24
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	08/30	09/05	09/09	09/12	09/15	09/17	09/20	09/22	09/26
32	09/09	09/14	09/18	09/21	09/23	09/26	09/29	10/01	10/05
28	09/18	09/23	09/27	09/30	10/03	10/05	10/08	10/12	10/16
24	09/28	10/02	10/06	10/10	10/13	10/15	10/18	10/22	10/27
20	10/07	10/12	10/15	10/18	10/22	10/24	10/28	11/01	11/05
16	10/14	10/19	10/24	10/27	10/31	11/02	11/05	11/10	11/14
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	124.0	118.0	113.0	109.0	105.0	101.0	96.0	91.0	78.0
32	142.0	137.0	132.0	129.0	125.0	122.0	118.0	113.0	106.0
28	165.0	158.0	153.0	150.0	145.0	141.0	137.0	133.0	127.0
24	186.0	180.0	174.0	170.0	165.0	162.0	158.0	153.0	147.0
20	208.0	200.0	196.0	191.0	186.0	183.0	178.0	174.0	167.0
16	226.0	218.0	213.0	208.0	203.0	199.0	195.0	190.0	184.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Current Location: Elev: 1470 ft. Lat: 48.0781° N Lon: 99.2656° W
 Station: **MINNEWAUKAN, ND US USC00325848**

Generated on 10/21/2024

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	05/31	05/28	05/25	05/23	05/20	05/18	05/15	05/12	05/09
32	05/25	05/20	05/17	05/14	05/12	05/09	05/07	05/04	05/01
28	05/16	05/12	05/08	05/06	05/04	05/01	04/29	04/24	04/19
24	05/08	05/04	05/01	04/29	04/26	04/22	04/19	04/15	04/09
20	05/01	04/27	04/22	04/19	04/16	04/12	04/09	04/05	04/02
16	04/23	04/17	04/13	04/10	04/07	04/04	04/02	03/31	03/24
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	09/09	09/13	09/16	09/18	09/21	09/23	09/26	09/29	10/02
32	09/17	09/21	09/24	09/27	09/29	10/01	10/04	10/07	10/12
28	09/25	09/30	10/03	10/05	10/08	10/11	10/14	10/18	10/21
24	10/03	10/09	10/13	10/16	10/18	10/21	10/23	10/26	10/31
20	10/14	10/18	10/22	10/25	10/27	10/30	11/01	11/04	11/09
16	10/22	10/26	10/29	11/01	11/03	11/05	11/09	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	137.0	132.0	128.0	126.0	122.0	119.0	116.0	111.0	105.0
32	155.0	150.0	146.0	142.0	138.0	135.0	132.0	128.0	122.0
28	175.0	169.0	164.0	160.0	156.0	152.0	149.0	144.0	139.0
24	193.0	187.0	182.0	178.0	174.0	170.0	167.0	162.0	155.0
20	213.0	207.0	201.0	197.0	192.0	188.0	184.0	180.0	172.0
16	229.0	221.0	216.0	212.0	209.0	204.0	200.0	194.0	189.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Current Location: Elev: 1560 ft. Lat: 47.5089° N Lon: 99.1211° W
 Station: **CARRINGTON 4 N, ND US USC00321362**

Generated on 10/21/2024

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	06/02	05/29	05/26	05/23	05/21	05/18	05/16	05/13	05/09
32	05/25	05/21	05/17	05/15	05/12	05/10	05/07	05/04	04/30
28	05/17	05/12	05/09	05/06	05/04	05/01	04/29	04/24	04/19
24	05/08	05/04	05/01	04/28	04/23	04/21	04/17	04/14	04/10
20	05/01	04/25	04/20	04/17	04/14	04/11	04/08	04/05	04/02
16	04/21	04/16	04/13	04/09	04/06	04/04	04/02	03/30	03/20
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	09/08	09/13	09/15	09/18	09/20	09/22	09/24	09/26	09/30
32	09/17	09/20	09/22	09/25	09/27	09/29	10/01	10/04	10/09
28	09/24	09/28	10/01	10/03	10/05	10/08	10/12	10/15	10/19
24	10/02	10/05	10/10	10/12	10/15	10/18	10/22	10/24	10/29
20	10/12	10/16	10/21	10/24	10/26	10/29	11/01	11/04	11/08
16	10/20	10/26	10/29	11/01	11/03	11/06	11/08	11/12	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	138.0	132.0	128.0	125.0	121.0	118.0	114.0	110.0	103.0
32	154.0	149.0	144.0	141.0	137.0	134.0	131.0	127.0	120.0
28	173.0	166.0	162.0	158.0	155.0	151.0	147.0	142.0	136.0
24	193.0	187.0	181.0	177.0	173.0	170.0	166.0	161.0	153.0
20	211.0	205.0	201.0	197.0	193.0	189.0	183.0	178.0	170.0
16	226.0	221.0	215.0	212.0	208.0	204.0	201.0	197.0	189.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Generated on 10/21/2024

Current Location: Elev: 1586 ft. Lat: 47.4494° N Lon: 99.1294° W
 Station: **CARRINGTON, ND US USC00321360**

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	06/01	05/28	05/25	05/22	05/20	05/17	05/15	05/12	05/08
32	05/23	05/18	05/15	05/13	05/10	05/07	05/04	05/02	04/28
28	05/14	05/10	05/06	05/03	05/01	04/29	04/25	04/21	04/16
24	05/05	05/01	04/28	04/24	04/22	04/18	04/15	04/12	04/08
20	04/28	04/22	04/18	04/15	04/12	04/09	04/06	04/03	03/31
16	04/19	04/14	04/10	04/08	04/05	04/03	03/31	03/25	03/18
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	09/09	09/13	09/16	09/18	09/20	09/22	09/24	09/26	09/30
32	09/17	09/20	09/23	09/26	09/28	09/30	10/03	10/06	10/10
28	09/25	09/30	10/03	10/05	10/08	10/10	10/13	10/16	10/21
24	10/04	10/09	10/12	10/16	10/18	10/21	10/24	10/26	10/30
20	10/15	10/19	10/23	10/26	10/28	10/31	11/02	11/05	11/10
16	10/24	10/28	10/31	11/03	11/05	11/08	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	137.0	132.0	129.0	125.0	122.0	118.0	115.0	110.0	104.0
32	157.0	151.0	146.0	143.0	139.0	136.0	132.0	128.0	122.0
28	177.0	171.0	166.0	161.0	158.0	154.0	150.0	146.0	140.0
24	197.0	190.0	187.0	182.0	178.0	173.0	169.0	164.0	158.0
20	216.0	210.0	204.0	200.0	195.0	192.0	189.0	183.0	176.0
16	234.0	227.0	221.0	216.0	212.0	208.0	204.0	199.0	193.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Generated on 10/21/2024

Current Location: Elev: 1980 ft. Lat: 46.5067° N Lon: 99.7692° W
 Station: **NAPOLEON, ND US USC00326255**

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	06/04	05/31	05/28	05/25	05/23	05/20	05/17	05/15	05/10
32	05/26	05/22	05/18	05/16	05/13	05/11	05/08	05/05	05/01
28	05/16	05/13	05/09	05/06	05/04	05/01	04/30	04/25	04/20
24	05/09	05/04	05/01	04/28	04/24	04/21	04/18	04/14	04/10
20	05/01	04/25	04/21	04/18	04/16	04/13	04/10	04/06	04/01
16	04/21	04/17	04/13	04/10	04/07	04/04	04/01	03/29	03/22
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	09/07	09/11	09/14	09/17	09/19	09/22	09/24	09/27	10/01
32	09/15	09/19	09/23	09/26	09/28	10/01	10/03	10/06	10/11
28	09/24	09/29	10/01	10/04	10/06	10/09	10/12	10/15	10/20
24	10/03	10/06	10/10	10/13	10/16	10/19	10/22	10/25	10/29
20	10/11	10/16	10/20	10/22	10/25	10/28	10/31	11/03	11/08
16	10/20	10/26	10/29	11/01	11/03	11/05	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	135.0	130.0	125.0	123.0	119.0	115.0	111.0	106.0	100.0
32	153.0	147.0	143.0	139.0	136.0	133.0	129.0	125.0	118.0
28	173.0	167.0	162.0	158.0	153.0	150.0	146.0	142.0	137.0
24	192.0	186.0	182.0	177.0	173.0	169.0	165.0	160.0	152.0
20	213.0	205.0	201.0	196.0	192.0	188.0	184.0	178.0	170.0
16	232.0	224.0	218.0	213.0	209.0	206.0	200.0	195.0	188.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Generated on 10/21/2024

Current Location: Elev: 1164 ft. Lat: 46.6167° N Lon: 97.6389° W
 Station: **ENDERLIN 2W, ND US USC00322695**

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	05/25	05/21	05/17	05/14	05/12	05/09	05/07	05/04	04/30
32	05/16	05/12	05/08	05/06	05/03	05/01	04/29	04/24	04/19
28	05/06	05/02	04/30	04/28	04/24	04/21	04/18	04/13	04/08
24	04/30	04/26	04/21	04/18	04/15	04/12	04/08	04/05	04/01
20	04/22	04/16	04/13	04/10	04/06	04/04	04/02	03/30	03/22
16	04/15	04/10	04/06	04/04	04/01	03/29	03/24	03/19	03/13
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	09/14	09/19	09/22	09/24	09/27	09/29	10/01	10/04	10/09
32	09/23	09/28	09/30	10/02	10/05	10/08	10/11	10/14	10/19
28	09/30	10/04	10/09	10/12	10/15	10/19	10/21	10/24	10/28
24	10/07	10/14	10/19	10/22	10/25	10/28	10/31	11/04	11/08
20	10/19	10/26	10/29	11/01	11/03	11/05	11/08	11/12	11/16
16	10/29	11/02	11/05	11/08	11/11	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	154.0	148.0	143.0	140.0	137.0	133.0	129.0	125.0	117.0
32	174.0	167.0	162.0	159.0	155.0	151.0	147.0	143.0	136.0
28	194.0	188.0	182.0	178.0	173.0	169.0	163.0	159.0	153.0
24	212.0	207.0	201.0	197.0	192.0	189.0	184.0	178.0	170.0
20	231.0	223.0	217.0	213.0	209.0	205.0	201.0	196.0	187.0
16	246.0	238.0	233.0	230.0	225.0	221.0	216.0	211.0	205.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Current Location: Elev: 1800 ft. Lat: 46.6706° N Lon: 100.2294° W
 Station: **MOFFIT 3 SE, ND US USC00326015**

Generated on 10/21/2024

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	06/09	06/01	05/28	05/25	05/21	05/19	05/16	05/13	05/09
32	05/27	05/21	05/17	05/14	05/11	05/09	05/06	05/03	04/29
28	05/15	05/11	05/08	05/05	05/02	04/30	04/26	04/22	04/17
24	05/07	05/03	04/30	04/26	04/22	04/19	04/16	04/13	04/08
20	04/29	04/22	04/19	04/16	04/13	04/10	04/07	04/04	04/01
16	04/19	04/14	04/11	04/07	04/04	04/02	03/31	03/27	03/20
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	09/07	09/11	09/15	09/17	09/20	09/22	09/25	09/28	10/02
32	09/15	09/21	09/24	09/26	09/29	10/01	10/04	10/08	10/13
28	09/24	09/28	10/01	10/05	10/08	10/11	10/15	10/18	10/22
24	10/01	10/07	10/11	10/15	10/18	10/21	10/24	10/28	11/01
20	10/12	10/17	10/20	10/24	10/27	10/30	11/02	11/05	11/10
16	10/20	10/26	10/30	11/01	11/04	11/07	11/09	11/13	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	139.0	133.0	128.0	124.0	120.0	116.0	112.0	107.0	96.0
32	158.0	152.0	147.0	144.0	139.0	136.0	132.0	127.0	121.0
28	177.0	170.0	165.0	162.0	158.0	154.0	150.0	146.0	138.0
24	196.0	190.0	185.0	181.0	177.0	174.0	168.0	164.0	156.0
20	214.0	209.0	204.0	199.0	195.0	190.0	186.0	181.0	174.0
16	231.0	224.0	219.0	214.0	211.0	207.0	202.0	197.0	191.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Generated on 10/21/2024

Current Location: Elev: 1982 ft. Lat: 46.5203° N Lon: 100.3478° W
 Station: **HAZELTON 4NW, ND US USC00324083**

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	06/05	05/31	05/28	05/25	05/22	05/20	05/17	05/14	05/10
32	05/27	05/21	05/17	05/15	05/12	05/10	05/07	05/05	05/02
28	05/17	05/12	05/09	05/06	05/04	05/02	04/30	04/27	04/21
24	05/08	05/04	05/01	04/30	04/27	04/23	04/20	04/17	04/12
20	05/01	04/26	04/22	04/19	04/16	04/13	04/10	04/07	04/03
16	04/23	04/17	04/14	04/11	04/08	04/05	04/02	03/30	03/22
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	09/08	09/12	09/15	09/17	09/19	09/21	09/23	09/26	09/30
32	09/15	09/19	09/22	09/24	09/27	09/29	10/02	10/05	10/10
28	09/23	09/28	10/01	10/03	10/06	10/10	10/12	10/16	10/20
24	10/01	10/05	10/10	10/13	10/16	10/19	10/22	10/25	10/29
20	10/09	10/15	10/19	10/22	10/26	10/28	10/31	11/03	11/08
16	10/18	10/24	10/28	10/31	11/02	11/05	11/07	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	135.0	129.0	125.0	121.0	118.0	115.0	111.0	107.0	100.0
32	154.0	148.0	144.0	139.0	136.0	132.0	129.0	125.0	119.0
28	172.0	166.0	161.0	157.0	154.0	150.0	146.0	141.0	134.0
24	192.0	186.0	181.0	176.0	172.0	168.0	164.0	159.0	152.0
20	210.0	202.0	197.0	194.0	189.0	186.0	181.0	176.0	169.0
16	228.0	221.0	215.0	211.0	207.0	203.0	199.0	194.0	187.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Current Location: Elev: 2335 ft. Lat: 46.4250° N Lon: 101.5742° W
 Station: **CARSON, ND US USC00321370**

Generated on 10/21/2024

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	06/09	06/05	06/02	05/31	05/29	05/26	05/24	05/21	05/17
32	06/01	05/28	05/25	05/22	05/19	05/17	05/14	05/11	05/07
28	05/25	05/20	05/16	05/13	05/11	05/08	05/05	05/03	04/29
24	05/16	05/11	05/08	05/05	05/03	04/30	04/27	04/23	04/18
20	05/08	05/03	04/30	04/28	04/24	04/21	04/18	04/14	04/10
16	04/30	04/25	04/21	04/18	04/15	04/13	04/09	04/05	04/01
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	08/31	09/05	09/09	09/13	09/16	09/20	09/22	09/24	09/28
32	09/11	09/17	09/20	09/22	09/25	09/27	09/30	10/03	10/08
28	09/20	09/24	09/27	09/30	10/02	10/05	10/08	10/12	10/16
24	09/27	10/01	10/05	10/08	10/11	10/14	10/16	10/20	10/24
20	10/05	10/09	10/13	10/16	10/19	10/22	10/25	10/29	11/02
16	10/12	10/17	10/21	10/24	10/28	10/31	11/03	11/06	11/11
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	126.0	120.0	116.0	112.0	108.0	105.0	99.0	95.0	88.0
32	144.0	139.0	135.0	131.0	127.0	123.0	119.0	115.0	108.0
28	163.0	156.0	151.0	147.0	143.0	140.0	136.0	131.0	124.0
24	181.0	174.0	169.0	164.0	161.0	156.0	152.0	148.0	140.0
20	196.0	191.0	185.0	181.0	176.0	172.0	169.0	164.0	157.0
16	216.0	208.0	203.0	197.0	193.0	190.0	186.0	180.0	173.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Generated on 10/21/2024

Current Location: Elev: 1619 ft. Lat: 48.8217° N Lon: 100.4528° W
 Station: **BOTTINEAU, ND US USC00320941**

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	06/05	06/01	05/30	05/27	05/25	05/22	05/19	05/16	05/12
32	05/28	05/24	05/21	05/18	05/15	05/13	05/10	05/07	05/02
28	05/20	05/15	05/12	05/09	05/06	05/03	05/01	04/28	04/22
24	05/11	05/06	05/03	04/30	04/28	04/24	04/20	04/16	04/11
20	05/02	04/28	04/24	04/19	04/16	04/13	04/09	04/06	04/01
16	04/23	04/17	04/14	04/10	04/07	04/05	04/03	03/31	03/25
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	09/07	09/10	09/13	09/16	09/18	09/20	09/23	09/25	09/29
32	09/13	09/18	09/21	09/23	09/25	09/28	09/30	10/03	10/07
28	09/21	09/25	09/28	09/30	10/02	10/05	10/08	10/11	10/16
24	09/29	10/02	10/05	10/08	10/11	10/14	10/17	10/20	10/24
20	10/05	10/10	10/14	10/17	10/19	10/22	10/25	10/28	11/01
16	10/14	10/18	10/22	10/25	10/28	11/01	11/03	11/07	11/12
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	134.0	128.0	124.0	120.0	116.0	112.0	109.0	104.0	98.0
32	150.0	144.0	140.0	136.0	133.0	130.0	127.0	122.0	114.0
28	168.0	162.0	157.0	153.0	150.0	146.0	142.0	138.0	132.0
24	187.0	180.0	174.0	170.0	166.0	163.0	159.0	154.0	147.0
20	205.0	199.0	194.0	189.0	185.0	180.0	176.0	171.0	164.0
16	223.0	216.0	211.0	207.0	203.0	198.0	194.0	188.0	180.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Generated on 10/21/2024

Current Location: Elev: 1455 ft. Lat: 46.0108° N Lon: 98.5261° W
 Station: **ELLENDALE, ND US USC00322605**

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	05/28	05/22	05/19	05/16	05/14	05/11	05/08	05/05	05/01
32	05/17	05/12	05/09	05/06	05/04	05/02	04/30	04/27	04/22
28	05/09	05/05	05/01	04/29	04/27	04/24	04/21	04/17	04/14
24	05/01	04/27	04/23	04/20	04/17	04/15	04/12	04/09	04/05
20	04/23	04/18	04/15	04/12	04/09	04/07	04/04	04/02	03/27
16	04/15	04/10	04/07	04/04	04/02	03/31	03/27	03/21	03/15
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	09/14	09/17	09/20	09/22	09/24	09/27	09/29	10/01	10/05
32	09/21	09/24	09/27	09/30	10/02	10/04	10/07	10/11	10/15
28	09/28	10/02	10/05	10/08	10/12	10/14	10/17	10/21	10/25
24	10/05	10/12	10/15	10/19	10/22	10/24	10/27	10/30	11/03
20	10/15	10/22	10/25	10/27	10/31	11/02	11/05	11/08	11/13
16	10/25	10/30	11/01	11/04	11/06	11/10	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	148.0	142.0	138.0	135.0	132.0	129.0	125.0	121.0	114.0
32	167.0	161.0	156.0	153.0	149.0	146.0	143.0	138.0	133.0
28	185.0	179.0	175.0	171.0	167.0	163.0	158.0	153.0	147.0
24	206.0	199.0	195.0	190.0	186.0	181.0	177.0	172.0	164.0
20	223.0	216.0	211.0	207.0	203.0	199.0	195.0	190.0	184.0
16	239.0	233.0	228.0	224.0	220.0	215.0	211.0	205.0	200.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Generated on 10/21/2024

Current Location: Elev: 2014 ft. Lat: 46.0406° N Lon: 99.3742° W
 Station: **ASHLEY, ND US USC00320382**

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	06/03	05/30	05/27	05/24	05/21	05/19	05/16	05/13	05/09
32	05/26	05/21	05/18	05/15	05/13	05/10	05/07	05/04	05/01
28	05/17	05/13	05/10	05/07	05/05	05/02	04/30	04/26	04/20
24	05/10	05/05	05/02	04/29	04/26	04/22	04/19	04/15	04/10
20	05/02	04/27	04/23	04/19	04/16	04/13	04/10	04/07	04/02
16	04/24	04/17	04/13	04/10	04/08	04/04	04/02	03/29	03/22
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	09/06	09/11	09/14	09/17	09/20	09/23	09/25	09/27	10/01
32	09/15	09/19	09/23	09/25	09/28	09/30	10/02	10/05	10/10
28	09/22	09/26	09/29	10/01	10/04	10/07	10/11	10/14	10/19
24	09/29	10/03	10/07	10/10	10/13	10/16	10/20	10/23	10/27
20	10/06	10/11	10/15	10/19	10/22	10/25	10/28	11/01	11/06
16	10/14	10/21	10/25	10/29	11/01	11/03	11/07	11/11	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	137.0	132.0	127.0	123.0	120.0	116.0	112.0	107.0	100.0
32	154.0	148.0	143.0	140.0	137.0	133.0	129.0	125.0	119.0
28	172.0	165.0	161.0	157.0	153.0	149.0	145.0	140.0	134.0
24	189.0	182.0	177.0	173.0	169.0	165.0	160.0	156.0	148.0
20	208.0	202.0	195.0	191.0	187.0	182.0	178.0	173.0	166.0
16	227.0	220.0	215.0	210.0	206.0	202.0	197.0	192.0	183.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Current Location: Elev: 1932 ft. Lat: 47.6539° N Lon: 101.4197° W
 Station: **GARRISON, ND US USC00323376**

Generated on 10/21/2024

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	06/01	05/29	05/26	05/23	05/21	05/19	05/16	05/13	05/09
32	05/24	05/20	05/17	05/15	05/12	05/09	05/07	05/04	04/30
28	05/15	05/11	05/07	05/05	05/02	04/30	04/28	04/24	04/18
24	05/05	05/01	04/29	04/25	04/22	04/19	04/17	04/13	04/09
20	04/28	04/22	04/18	04/16	04/13	04/11	04/07	04/05	03/31
16	04/20	04/16	04/11	04/08	04/05	04/03	03/31	03/27	03/19
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	09/10	09/14	09/17	09/20	09/22	09/25	09/27	09/29	10/02
32	09/17	09/22	09/24	09/27	09/30	10/02	10/05	10/07	10/12
28	09/24	09/29	10/03	10/05	10/08	10/12	10/14	10/18	10/23
24	10/03	10/07	10/11	10/14	10/17	10/20	10/24	10/27	11/01
20	10/11	10/16	10/20	10/24	10/27	10/30	11/01	11/05	11/10
16	10/18	10/25	10/29	11/01	11/03	11/06	11/10	11/13	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	139.0	134.0	129.0	126.0	123.0	120.0	117.0	112.0	105.0
32	158.0	152.0	147.0	144.0	140.0	136.0	133.0	128.0	121.0
28	177.0	170.0	166.0	162.0	158.0	154.0	150.0	146.0	140.0
24	196.0	189.0	184.0	181.0	177.0	174.0	170.0	165.0	159.0
20	214.0	208.0	203.0	198.0	194.0	190.0	186.0	182.0	175.0
16	232.0	224.0	218.0	214.0	210.0	206.0	202.0	197.0	190.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Current Location: Elev: 2160 ft. Lat: 46.9075° N Lon: 102.0383° W
 Station: **HEBRON, ND US USC00324102**

Generated on 10/21/2024

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	06/14	06/08	06/04	06/02	05/31	05/28	05/25	05/22	05/17
32	06/02	05/28	05/25	05/21	05/19	05/16	05/14	05/11	05/07
28	05/23	05/18	05/15	05/13	05/10	05/08	05/05	05/03	04/30
24	05/15	05/11	05/07	05/04	05/02	04/30	04/27	04/22	04/17
20	05/05	05/01	04/28	04/25	04/21	04/18	04/16	04/12	04/09
16	04/28	04/22	04/18	04/15	04/13	04/11	04/08	04/05	04/01
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	08/25	09/01	09/04	09/07	09/10	09/12	09/16	09/20	09/24
32	09/07	09/11	09/15	09/19	09/21	09/24	09/27	09/30	10/04
28	09/15	09/21	09/25	09/28	09/30	10/03	10/06	10/09	10/14
24	09/24	09/30	10/03	10/06	10/09	10/12	10/15	10/18	10/22
20	10/03	10/07	10/11	10/14	10/17	10/20	10/23	10/27	10/31
16	10/10	10/15	10/20	10/22	10/26	10/29	11/01	11/05	11/11
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	120.0	114.0	109.0	104.0	100.0	97.0	93.0	88.0	80.0
32	141.0	135.0	130.0	127.0	123.0	120.0	116.0	111.0	104.0
28	160.0	154.0	149.0	145.0	141.0	138.0	134.0	129.0	122.0
24	178.0	172.0	167.0	163.0	160.0	156.0	152.0	147.0	140.0
20	197.0	191.0	186.0	182.0	178.0	173.0	168.0	164.0	157.0
16	216.0	209.0	204.0	199.0	195.0	192.0	187.0	182.0	175.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Current Location: Elev: 1927 ft. Lat: 47.4825° N Lon: 100.4444° W
 Station: **MC CLUSKY, ND US USC00325710**

Generated on 10/21/2024

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	05/30	05/25	05/22	05/19	05/17	05/15	05/12	05/09	05/05
32	05/20	05/16	05/13	05/10	05/08	05/05	05/03	04/30	04/25
28	05/11	05/08	05/04	05/02	04/30	04/26	04/23	04/19	04/14
24	05/02	04/28	04/24	04/21	04/18	04/15	04/12	04/09	04/05
20	04/25	04/19	04/15	04/12	04/09	04/07	04/04	04/02	03/29
16	04/17	04/11	04/08	04/05	04/03	04/01	03/29	03/24	03/18
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	09/11	09/16	09/19	09/21	09/23	09/25	09/28	09/30	10/03
32	09/19	09/23	09/26	09/29	10/01	10/03	10/06	10/09	10/13
28	09/27	10/01	10/04	10/07	10/10	10/12	10/15	10/18	10/22
24	10/05	10/10	10/13	10/16	10/18	10/21	10/24	10/27	11/01
20	10/14	10/19	10/21	10/25	10/27	10/30	11/01	11/04	11/09
16	10/23	10/27	10/30	11/01	11/04	11/07	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	144.0	138.0	134.0	131.0	127.0	124.0	121.0	116.0	110.0
32	162.0	156.0	152.0	149.0	145.0	142.0	138.0	133.0	127.0
28	182.0	176.0	170.0	167.0	163.0	159.0	155.0	150.0	144.0
24	202.0	195.0	191.0	187.0	183.0	179.0	175.0	171.0	164.0
20	219.0	211.0	208.0	204.0	200.0	196.0	192.0	187.0	180.0
16	235.0	227.0	222.0	218.0	215.0	211.0	207.0	202.0	195.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Generated on 10/21/2024

Current Location: Elev: 2037 ft. Lat: 46.2608° N Lon: 99.5600° W
 Station: **WISHEK, ND US USC00329515**

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	06/06	06/01	05/29	05/26	05/23	05/21	05/18	05/15	05/11
32	05/28	05/22	05/18	05/16	05/13	05/11	05/08	05/05	05/02
28	05/17	05/12	05/08	05/06	05/03	05/01	04/29	04/25	04/19
24	05/08	05/03	05/01	04/28	04/24	04/20	04/17	04/14	04/10
20	04/30	04/24	04/20	04/17	04/14	04/11	04/08	04/05	04/01
16	04/21	04/15	04/12	04/08	04/06	04/03	04/01	03/28	03/21
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	09/05	09/09	09/13	09/16	09/19	09/21	09/23	09/26	09/30
32	09/15	09/20	09/23	09/25	09/27	09/29	10/01	10/05	10/10
28	09/23	09/28	09/30	10/03	10/05	10/08	10/12	10/16	10/20
24	10/01	10/05	10/10	10/13	10/16	10/18	10/22	10/24	10/29
20	10/10	10/16	10/19	10/23	10/26	10/29	11/01	11/04	11/07
16	10/20	10/26	10/30	11/01	11/03	11/06	11/08	11/11	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	134.0	128.0	124.0	120.0	116.0	113.0	109.0	105.0	97.0
32	152.0	146.0	142.0	139.0	135.0	131.0	127.0	123.0	116.0
28	173.0	166.0	162.0	157.0	154.0	151.0	146.0	141.0	134.0
24	192.0	185.0	181.0	177.0	173.0	169.0	164.0	159.0	152.0
20	211.0	205.0	200.0	196.0	192.0	189.0	184.0	179.0	171.0
16	229.0	221.0	217.0	213.0	210.0	206.0	202.0	197.0	190.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Generated on 10/21/2024

Current Location: Elev: 2705 ft. Lat: 46.0139° N Lon: 102.6547° W

Station: **HETTINGER MUNI AP, ND US USW00094038**

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	06/24	06/16	06/12	06/08	06/04	06/01	05/30	05/26	05/21
32	06/10	06/03	05/31	05/27	05/24	05/21	05/18	05/15	05/11
28	05/28	05/23	05/19	05/16	05/13	05/11	05/08	05/05	05/02
24	05/17	05/12	05/08	05/05	05/03	05/01	04/28	04/24	04/19
20	05/07	05/02	04/30	04/26	04/23	04/20	04/17	04/12	04/08
16	04/29	04/23	04/20	04/16	04/13	04/10	04/07	04/03	03/30
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	08/22	08/27	09/01	09/03	09/06	09/09	09/12	09/16	09/20
32	09/01	09/06	09/10	09/14	09/18	09/20	09/23	09/27	10/01
28	09/11	09/18	09/22	09/25	09/27	09/30	10/03	10/06	10/11
24	09/22	09/26	09/30	10/04	10/07	10/09	10/12	10/16	10/20
20	09/29	10/05	10/09	10/13	10/15	10/18	10/21	10/25	10/29
16	10/09	10/15	10/18	10/21	10/24	10/28	10/31	11/03	11/08
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	113.0	106.0	101.0	96.0	92.0	87.0	83.0	76.0	67.0
32	135.0	129.0	123.0	119.0	115.0	111.0	106.0	100.0	92.0
28	154.0	147.0	142.0	139.0	135.0	131.0	126.0	121.0	114.0
24	174.0	168.0	163.0	159.0	154.0	150.0	146.0	141.0	133.0
20	194.0	187.0	181.0	178.0	174.0	170.0	166.0	160.0	153.0
16	215.0	207.0	202.0	197.0	193.0	189.0	184.0	178.0	170.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Current Location: Elev: 2150 ft. Lat: 46.8925° N Lon: 101.4897° W
 Station: **NEW SALEM 5NW, ND US USC00326365**

Generated on 10/21/2024

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	06/13	06/07	06/04	06/01	05/30	05/27	05/25	05/21	05/17
32	06/01	05/27	05/24	05/21	05/18	05/16	05/13	05/10	05/06
28	05/23	05/17	05/14	05/11	05/08	05/06	05/03	05/01	04/27
24	05/12	05/08	05/04	05/02	04/30	04/27	04/23	04/19	04/13
20	05/03	04/29	04/25	04/22	04/18	04/15	04/12	04/09	04/05
16	04/24	04/19	04/15	04/12	04/10	04/07	04/05	04/02	03/28
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	09/01	09/05	09/10	09/12	09/15	09/17	09/20	09/23	09/27
32	09/12	09/17	09/20	09/22	09/24	09/27	09/30	10/02	10/06
28	09/21	09/24	09/27	10/01	10/03	10/05	10/08	10/11	10/16
24	09/28	10/02	10/05	10/08	10/11	10/14	10/16	10/20	10/25
20	10/05	10/11	10/14	10/17	10/20	10/23	10/26	10/30	11/03
16	10/13	10/18	10/22	10/26	10/29	11/01	11/04	11/07	11/12
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	125.0	119.0	115.0	111.0	106.0	103.0	99.0	94.0	87.0
32	146.0	139.0	134.0	131.0	127.0	123.0	119.0	114.0	107.0
28	166.0	160.0	155.0	151.0	147.0	143.0	139.0	134.0	129.0
24	185.0	179.0	174.0	170.0	165.0	162.0	158.0	153.0	147.0
20	203.0	197.0	192.0	187.0	184.0	180.0	175.0	171.0	163.0
16	221.0	213.0	208.0	204.0	200.0	196.0	191.0	186.0	179.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Generated on 10/21/2024

Current Location: Elev: 1959 ft. Lat: 48.9144° N Lon: 103.2978° W
 Station: **CROSBY, ND US USC00321871**

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	06/07	06/02	05/31	05/28	05/25	05/23	05/21	05/18	05/15
32	05/28	05/24	05/22	05/19	05/17	05/15	05/12	05/10	05/06
28	05/18	05/15	05/12	05/09	05/07	05/05	05/02	04/30	04/25
24	05/10	05/06	05/03	04/30	04/28	04/25	04/21	04/17	04/12
20	05/02	04/28	04/24	04/21	04/18	04/14	04/12	04/08	04/03
16	04/24	04/19	04/15	04/12	04/08	04/06	04/03	03/31	03/25
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	09/02	09/07	09/10	09/13	09/15	09/17	09/19	09/22	09/25
32	09/11	09/16	09/19	09/21	09/23	09/25	09/27	09/30	10/04
28	09/19	09/22	09/25	09/28	09/30	10/04	10/07	10/10	10/15
24	09/25	09/30	10/04	10/07	10/10	10/13	10/16	10/19	10/24
20	10/05	10/11	10/14	10/17	10/20	10/23	10/26	10/29	11/02
16	10/13	10/18	10/22	10/25	10/28	10/31	11/02	11/06	11/11
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	126.0	121.0	117.0	114.0	111.0	107.0	104.0	99.0	91.0
32	144.0	138.0	134.0	131.0	128.0	125.0	121.0	117.0	110.0
28	165.0	157.0	153.0	148.0	145.0	141.0	137.0	133.0	127.0
24	184.0	177.0	173.0	169.0	164.0	160.0	156.0	150.0	143.0
20	204.0	198.0	193.0	189.0	184.0	180.0	175.0	170.0	163.0
16	222.0	214.0	209.0	205.0	201.0	197.0	192.0	187.0	180.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Generated on 10/21/2024

Current Location: Elev: 1494 ft. Lat: 46.9258° N Lon: 98.6692° W
 Station: **JAMESTOWN MUNI AP, ND US USW00014919**

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	06/02	05/30	05/26	05/23	05/20	05/18	05/15	05/12	05/08
32	05/24	05/19	05/16	05/13	05/11	05/08	05/05	05/02	04/28
28	05/14	05/10	05/06	05/03	05/01	04/29	04/27	04/23	04/18
24	05/06	05/01	04/29	04/25	04/23	04/20	04/17	04/13	04/08
20	04/27	04/21	04/18	04/15	04/12	04/09	04/07	04/04	04/01
16	04/18	04/13	04/10	04/07	04/05	04/03	04/01	03/28	03/21
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	09/07	09/12	09/14	09/17	09/19	09/21	09/24	09/26	09/30
32	09/15	09/20	09/23	09/26	09/28	09/30	10/02	10/05	10/09
28	09/25	09/29	10/01	10/03	10/06	10/09	10/12	10/15	10/20
24	10/02	10/06	10/10	10/13	10/16	10/19	10/22	10/25	10/29
20	10/12	10/17	10/21	10/24	10/27	10/30	11/01	11/04	11/09
16	10/21	10/26	10/30	11/01	11/03	11/06	11/09	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	136.0	131.0	127.0	123.0	119.0	116.0	113.0	108.0	102.0
32	157.0	150.0	146.0	141.0	138.0	134.0	131.0	127.0	120.0
28	175.0	169.0	165.0	161.0	157.0	153.0	148.0	145.0	139.0
24	195.0	189.0	184.0	181.0	176.0	172.0	168.0	163.0	157.0
20	214.0	208.0	203.0	200.0	196.0	191.0	187.0	183.0	176.0
16	232.0	225.0	220.0	216.0	212.0	209.0	205.0	200.0	193.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Generated on 10/21/2024

Current Location: Elev: 2280 ft. Lat: 48.3567° N Lon: 102.4117° W

Station: **STANLEY 3 NNW, ND US USC00328276**

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	06/09	06/03	06/01	05/29	05/27	05/24	05/21	05/18	05/15
32	05/29	05/25	05/22	05/19	05/17	05/14	05/12	05/10	05/07
28	05/19	05/15	05/13	05/10	05/08	05/06	05/03	05/01	04/26
24	05/11	05/07	05/04	05/02	04/30	04/27	04/23	04/18	04/13
20	05/02	04/27	04/23	04/20	04/17	04/15	04/12	04/09	04/04
16	04/23	04/18	04/15	04/12	04/09	04/06	04/03	04/01	03/25
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	09/02	09/07	09/10	09/13	09/15	09/17	09/19	09/22	09/25
32	09/12	09/16	09/19	09/21	09/23	09/25	09/27	09/30	10/03
28	09/19	09/22	09/25	09/27	09/30	10/03	10/06	10/10	10/14
24	09/26	10/01	10/04	10/07	10/11	10/13	10/17	10/20	10/25
20	10/04	10/11	10/15	10/17	10/20	10/23	10/26	10/29	11/03
16	10/13	10/19	10/23	10/26	10/29	10/31	11/03	11/06	11/12
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	126.0	120.0	116.0	112.0	109.0	106.0	102.0	98.0	93.0
32	143.0	137.0	134.0	130.0	127.0	124.0	120.0	117.0	111.0
28	163.0	156.0	152.0	148.0	145.0	141.0	137.0	133.0	126.0
24	184.0	178.0	173.0	169.0	164.0	160.0	156.0	151.0	145.0
20	204.0	197.0	192.0	189.0	184.0	181.0	176.0	171.0	164.0
16	222.0	215.0	210.0	206.0	202.0	198.0	194.0	189.0	182.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Generated on 10/21/2024

Current Location: Elev: 1480 ft. Lat: 48.3706° N Lon: 100.3908° W
 Station: **TOWNER 2 NE, ND US USC00328792**

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	06/10	06/04	06/01	05/30	05/28	05/25	05/23	05/19	05/15
32	06/01	05/28	05/24	05/20	05/17	05/15	05/12	05/09	05/05
28	05/22	05/16	05/13	05/10	05/08	05/05	05/03	04/30	04/25
24	05/12	05/07	05/03	05/01	04/29	04/25	04/22	04/17	04/12
20	05/02	04/29	04/24	04/20	04/17	04/14	04/11	04/08	04/04
16	04/25	04/19	04/15	04/12	04/09	04/07	04/04	04/02	03/29
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	09/01	09/05	09/08	09/11	09/13	09/16	09/18	09/21	09/25
32	09/10	09/15	09/18	09/20	09/22	09/24	09/27	09/30	10/03
28	09/19	09/24	09/26	09/29	10/01	10/03	10/05	10/08	10/12
24	09/29	10/01	10/04	10/07	10/09	10/11	10/14	10/17	10/21
20	10/03	10/07	10/11	10/14	10/18	10/20	10/23	10/26	10/31
16	10/11	10/17	10/21	10/24	10/27	10/30	11/01	11/04	11/10
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	125.0	120.0	115.0	112.0	108.0	105.0	100.0	95.0	88.0
32	144.0	138.0	134.0	130.0	126.0	122.0	118.0	113.0	108.0
28	163.0	157.0	153.0	149.0	145.0	141.0	138.0	133.0	126.0
24	184.0	178.0	172.0	168.0	163.0	160.0	156.0	152.0	145.0
20	200.0	195.0	190.0	186.0	182.0	177.0	173.0	168.0	161.0
16	216.0	210.0	205.0	202.0	198.0	194.0	190.0	184.0	177.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Generated on 10/21/2024

Current Location: Elev: 2027 ft. Lat: 47.6000° N Lon: 103.2597° W

Station: **WATFORD CITY 14S, ND US USC00329246**

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	07/01	06/18	06/12	06/05	06/02	05/30	05/27	05/24	05/18
32	06/07	05/31	05/28	05/25	05/22	05/19	05/16	05/12	05/07
28	05/26	05/20	05/16	05/13	05/11	05/08	05/05	05/01	04/28
24	05/12	05/08	05/04	05/01	04/29	04/27	04/24	04/20	04/14
20	05/03	04/29	04/25	04/21	04/18	04/15	04/12	04/09	04/04
16	04/25	04/19	04/16	04/12	04/09	04/05	04/03	03/30	03/20
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	08/26	08/31	09/03	09/06	09/09	09/11	09/14	09/16	09/22
32	09/05	09/09	09/12	09/15	09/17	09/20	09/23	09/27	10/02
28	09/14	09/17	09/21	09/24	09/27	10/01	10/03	10/07	10/11
24	09/21	09/27	10/01	10/04	10/08	10/10	10/14	10/17	10/22
20	10/02	10/07	10/10	10/14	10/17	10/20	10/23	10/27	11/01
16	10/09	10/16	10/20	10/24	10/27	10/30	11/01	11/05	11/10
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	118.0	111.0	106.0	101.0	96.0	92.0	86.0	79.0	68.0
32	139.0	131.0	126.0	122.0	119.0	115.0	111.0	106.0	97.0
28	159.0	153.0	148.0	143.0	140.0	136.0	132.0	127.0	119.0
24	180.0	173.0	168.0	164.0	160.0	156.0	152.0	146.0	141.0
20	204.0	196.0	190.0	185.0	181.0	177.0	172.0	167.0	159.0
16	223.0	215.0	209.0	205.0	200.0	196.0	192.0	185.0	178.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Current Location: Elev: 2227 ft. Lat: 48.6631° N Lon: 103.2131° W
 Station: **WILDROSE 3NW, ND US USC00329400**

Generated on 10/21/2024

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	06/12	06/05	06/02	05/30	05/28	05/25	05/23	05/20	05/15
32	05/30	05/26	05/23	05/21	05/18	05/15	05/13	05/09	05/06
28	05/22	05/18	05/14	05/11	05/09	05/07	05/04	05/02	04/27
24	05/13	05/08	05/05	05/02	04/30	04/27	04/22	04/19	04/15
20	05/03	04/30	04/26	04/21	04/19	04/16	04/12	04/09	04/05
16	04/23	04/18	04/15	04/12	04/09	04/06	04/04	04/01	03/25
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	08/28	09/02	09/06	09/09	09/11	09/14	09/16	09/18	09/22
32	09/07	09/12	09/15	09/18	09/20	09/22	09/24	09/28	10/01
28	09/14	09/19	09/22	09/25	09/27	09/30	10/03	10/06	10/11
24	09/22	09/27	10/01	10/04	10/07	10/10	10/13	10/16	10/21
20	10/02	10/07	10/11	10/15	10/17	10/20	10/23	10/26	11/01
16	10/11	10/16	10/19	10/23	10/25	10/28	10/31	11/04	11/10
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	123.0	117.0	113.0	109.0	106.0	102.0	98.0	92.0	82.0
32	142.0	135.0	131.0	127.0	124.0	120.0	116.0	112.0	105.0
28	160.0	153.0	149.0	144.0	141.0	137.0	133.0	127.0	121.0
24	179.0	172.0	167.0	163.0	160.0	156.0	151.0	146.0	138.0
20	201.0	194.0	189.0	185.0	181.0	176.0	171.0	166.0	159.0
16	221.0	212.0	206.0	202.0	198.0	194.0	190.0	185.0	179.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Current Location: Elev: 1962 ft. Lat: 47.4914° N Lon: 101.3775° W
 Station: RIVERDALE, ND US USC00327585

Generated on 10/21/2024

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	06/04	05/31	05/27	05/25	05/22	05/19	05/16	05/14	05/10
32	05/27	05/21	05/17	05/14	05/12	05/09	05/06	05/04	04/30
28	05/19	05/12	05/07	05/04	05/01	04/29	04/26	04/21	04/16
24	05/06	05/01	04/28	04/24	04/21	04/18	04/14	04/11	04/06
20	04/27	04/21	04/17	04/14	04/11	04/08	04/06	04/03	03/30
16	04/17	04/13	04/09	04/06	04/03	04/01	03/29	03/25	03/19
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	09/12	09/17	09/20	09/23	09/25	09/28	09/30	10/02	10/05
32	09/20	09/25	09/28	10/01	10/03	10/05	10/07	10/11	10/14
28	09/28	10/02	10/05	10/09	10/12	10/14	10/17	10/20	10/24
24	10/05	10/11	10/15	10/18	10/21	10/24	10/27	10/30	11/03
20	10/15	10/21	10/25	10/28	10/30	11/01	11/04	11/07	11/11
16	10/25	10/29	11/01	11/03	11/06	11/08	11/11	11/14	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	143.0	137.0	133.0	130.0	126.0	123.0	119.0	114.0	107.0
32	161.0	155.0	151.0	147.0	143.0	140.0	136.0	131.0	124.0
28	183.0	176.0	171.0	166.0	163.0	159.0	154.0	149.0	142.0
24	201.0	195.0	190.0	186.0	182.0	178.0	174.0	168.0	161.0
20	219.0	212.0	208.0	204.0	200.0	196.0	192.0	188.0	180.0
16	235.0	227.0	222.0	218.0	215.0	211.0	207.0	202.0	197.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Current Location: Elev: 1910 ft. Lat: 47.6458° N Lon: 101.4394° W
 Station: **GARRISON, ND US USW00094041**

Generated on 10/21/2024

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	06/06	06/02	05/30	05/27	05/25	05/22	05/19	05/16	05/12
32	05/28	05/22	05/19	05/17	05/14	05/11	05/08	05/06	05/02
28	05/17	05/12	05/08	05/06	05/03	05/01	04/29	04/26	04/22
24	05/06	05/02	04/30	04/28	04/25	04/22	04/19	04/16	04/11
20	04/30	04/25	04/21	04/19	04/16	04/13	04/10	04/07	04/03
16	04/21	04/16	04/13	04/10	04/07	04/05	04/02	03/31	03/24
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	09/02	09/08	09/12	09/15	09/17	09/20	09/22	09/25	09/29
32	09/13	09/17	09/21	09/23	09/26	09/29	10/01	10/04	10/09
28	09/20	09/26	09/29	10/01	10/04	10/07	10/10	10/14	10/18
24	09/29	10/03	10/06	10/09	10/13	10/16	10/19	10/23	10/27
20	10/07	10/12	10/16	10/20	10/23	10/26	10/29	11/01	11/06
16	10/16	10/22	10/26	10/29	11/01	11/03	11/06	11/09	11/14
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	133.0	126.0	122.0	118.0	114.0	111.0	107.0	102.0	95.0
32	151.0	145.0	140.0	137.0	133.0	129.0	125.0	121.0	114.0
28	170.0	164.0	160.0	157.0	152.0	148.0	144.0	140.0	132.0
24	189.0	182.0	178.0	174.0	170.0	166.0	163.0	157.0	150.0
20	207.0	201.0	196.0	192.0	187.0	183.0	180.0	174.0	168.0
16	226.0	218.0	213.0	208.0	204.0	200.0	196.0	191.0	183.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Generated on 10/21/2024

Current Location: Elev: 842 ft. Lat: 47.9428° N Lon: 97.1839° W
 Station: **GRAND FORKS INTL AP, ND US USW00014916**

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	06/07	06/03	06/01	05/29	05/26	05/23	05/20	05/17	05/13
32	05/31	05/26	05/21	05/18	05/16	05/13	05/10	05/07	05/03
28	05/19	05/14	05/10	05/07	05/04	05/01	04/29	04/26	04/20
24	05/09	05/03	04/30	04/28	04/24	04/21	04/17	04/13	04/07
20	04/29	04/24	04/20	04/16	04/13	04/10	04/07	04/04	03/31
16	04/19	04/15	04/11	04/08	04/05	04/03	04/01	03/28	03/20
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	09/04	09/09	09/12	09/15	09/18	09/20	09/22	09/25	09/28
32	09/15	09/19	09/22	09/24	09/27	09/29	10/01	10/03	10/08
28	09/23	09/28	10/01	10/02	10/05	10/07	10/10	10/14	10/19
24	10/02	10/05	10/08	10/12	10/15	10/18	10/21	10/25	10/29
20	10/10	10/15	10/19	10/22	10/26	10/29	11/01	11/03	11/07
16	10/18	10/24	10/29	10/31	11/02	11/05	11/08	11/11	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	132.0	125.0	120.0	117.0	113.0	109.0	105.0	102.0	96.0
32	150.0	146.0	141.0	137.0	133.0	129.0	125.0	121.0	114.0
28	171.0	164.0	160.0	156.0	152.0	149.0	145.0	140.0	135.0
24	194.0	187.0	181.0	177.0	172.0	168.0	164.0	159.0	152.0
20	215.0	208.0	203.0	198.0	193.0	189.0	185.0	178.0	171.0
16	229.0	223.0	217.0	214.0	210.0	207.0	202.0	198.0	191.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Current Location: Elev: 900 ft. Lat: 46.9253° N Lon: 96.8111° W
 Station: **FARGO HECTOR INTL AP, ND US USW00014914**

Generated on 10/21/2024

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	06/02	05/28	05/25	05/22	05/19	05/16	05/14	05/10	05/06
32	05/23	05/18	05/15	05/12	05/10	05/07	05/04	05/01	04/27
28	05/15	05/09	05/06	05/03	04/30	04/29	04/25	04/20	04/15
24	05/05	04/30	04/27	04/23	04/20	04/17	04/13	04/10	04/05
20	04/25	04/20	04/17	04/14	04/11	04/07	04/05	04/02	03/28
16	04/18	04/13	04/09	04/06	04/04	04/01	03/29	03/25	03/18
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	09/09	09/14	09/18	09/20	09/22	09/24	09/27	09/29	10/03
32	09/18	09/22	09/25	09/28	09/30	10/03	10/05	10/09	10/15
28	09/26	09/30	10/04	10/07	10/10	10/13	10/17	10/21	10/26
24	10/04	10/10	10/14	10/17	10/21	10/24	10/27	10/31	11/03
20	10/15	10/21	10/25	10/28	10/31	11/02	11/04	11/08	11/12
16	10/23	10/29	11/01	11/03	11/05	11/08	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	143.0	136.0	132.0	128.0	124.0	121.0	117.0	111.0	105.0
32	162.0	155.0	151.0	147.0	143.0	139.0	134.0	130.0	124.0
28	182.0	175.0	170.0	166.0	161.0	158.0	153.0	149.0	142.0
24	204.0	196.0	191.0	187.0	182.0	178.0	174.0	168.0	161.0
20	221.0	213.0	209.0	205.0	201.0	196.0	192.0	187.0	180.0
16	237.0	231.0	226.0	221.0	217.0	213.0	209.0	204.0	197.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Generated on 10/21/2024

Current Location: Elev: 1464 ft. Lat: 48.1069° N Lon: 98.8681° W
 Station: **DEVILS LAKE KDLR, ND US USW00014912**

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	05/28	05/23	05/20	05/17	05/15	05/13	05/10	05/06	05/03
32	05/19	05/15	05/11	05/08	05/06	05/03	05/01	04/28	04/23
28	05/10	05/06	05/02	04/30	04/27	04/24	04/20	04/17	04/13
24	05/01	04/27	04/23	04/20	04/16	04/14	04/11	04/08	04/04
20	04/22	04/17	04/14	04/11	04/08	04/06	04/04	04/02	03/29
16	04/15	04/10	04/07	04/04	04/03	04/01	03/29	03/25	03/20
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	09/18	09/21	09/23	09/25	09/28	09/30	10/01	10/04	10/08
32	09/26	09/29	10/01	10/03	10/05	10/08	10/10	10/14	10/18
28	10/03	10/06	10/09	10/12	10/14	10/17	10/19	10/22	10/26
24	10/09	10/13	10/17	10/20	10/23	10/25	10/28	10/31	11/04
20	10/17	10/23	10/26	10/28	10/31	11/01	11/04	11/07	11/11
16	10/25	10/30	11/01	11/03	11/05	11/07	11/10	11/13	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	150.0	145.0	141.0	138.0	135.0	132.0	129.0	125.0	120.0
32	169.0	164.0	159.0	155.0	152.0	149.0	145.0	141.0	136.0
28	188.0	182.0	178.0	173.0	170.0	166.0	163.0	158.0	153.0
24	206.0	201.0	196.0	192.0	188.0	184.0	180.0	175.0	169.0
20	221.0	215.0	211.0	208.0	204.0	200.0	197.0	192.0	186.0
16	235.0	228.0	224.0	221.0	217.0	213.0	210.0	205.0	199.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Current Location: Elev: 1720 ft. Lat: 47.7947° N Lon: 100.5847° W
 Station: **BUTTE 5SE, ND US USC00321225**

Generated on 10/21/2024

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	06/06	06/02	05/31	05/28	05/25	05/22	05/19	05/16	05/13
32	05/31	05/26	05/22	05/18	05/16	05/13	05/10	05/07	05/03
28	05/18	05/14	05/11	05/08	05/06	05/03	05/01	04/28	04/23
24	05/10	05/05	05/02	04/30	04/27	04/23	04/20	04/17	04/11
20	05/01	04/27	04/23	04/20	04/17	04/14	04/11	04/07	04/04
16	04/23	04/17	04/15	04/11	04/08	04/06	04/03	03/31	03/25
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	09/03	09/09	09/13	09/16	09/19	09/22	09/24	09/27	10/01
32	09/13	09/19	09/23	09/25	09/28	09/30	10/02	10/06	10/10
28	09/23	09/27	10/01	10/02	10/05	10/08	10/11	10/14	10/19
24	10/01	10/04	10/07	10/11	10/14	10/17	10/20	10/25	10/29
20	10/07	10/12	10/16	10/20	10/24	10/27	10/30	11/02	11/06
16	10/16	10/22	10/26	10/29	10/31	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	134.0	129.0	124.0	120.0	116.0	112.0	107.0	103.0	95.0
32	153.0	146.0	141.0	138.0	134.0	130.0	126.0	122.0	115.0
28	170.0	165.0	160.0	156.0	152.0	148.0	144.0	140.0	133.0
24	190.0	183.0	177.0	173.0	170.0	165.0	162.0	157.0	150.0
20	207.0	201.0	196.0	191.0	187.0	183.0	179.0	174.0	167.0
16	225.0	217.0	212.0	208.0	204.0	200.0	196.0	191.0	183.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Generated on 10/21/2024

Current Location: Elev: 1210 ft. Lat: 46.9558° N Lon: 98.0203° W
 Station: **VALLEY CITY 3 NNW, ND US USC00328937**

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	06/04	05/31	05/28	05/25	05/22	05/20	05/17	05/14	05/11
32	05/25	05/22	05/18	05/15	05/13	05/11	05/08	05/05	05/02
28	05/17	05/13	05/10	05/07	05/04	05/02	04/30	04/27	04/21
24	05/10	05/05	05/01	04/29	04/26	04/22	04/19	04/16	04/11
20	05/01	04/27	04/23	04/19	04/16	04/13	04/09	04/06	04/03
16	04/24	04/17	04/14	04/10	04/07	04/05	04/03	03/31	03/24
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	09/06	09/10	09/13	09/15	09/17	09/19	09/21	09/24	09/28
32	09/14	09/18	09/21	09/24	09/26	09/28	10/01	10/04	10/08
28	09/24	09/28	09/30	10/02	10/05	10/08	10/11	10/15	10/20
24	10/01	10/06	10/11	10/14	10/16	10/20	10/23	10/26	10/30
20	10/12	10/17	10/22	10/24	10/27	10/30	11/01	11/05	11/09
16	10/22	10/27	10/31	11/02	11/05	11/07	11/09	11/13	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	133.0	128.0	124.0	120.0	116.0	113.0	109.0	105.0	99.0
32	153.0	147.0	143.0	139.0	136.0	132.0	129.0	124.0	118.0
28	172.0	166.0	162.0	158.0	155.0	152.0	148.0	144.0	137.0
24	192.0	186.0	181.0	177.0	174.0	170.0	167.0	162.0	156.0
20	211.0	206.0	201.0	196.0	193.0	189.0	185.0	180.0	174.0
16	229.0	222.0	217.0	213.0	210.0	206.0	202.0	196.0	190.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Generated on 10/21/2024

Current Location: Elev: 2420 ft. Lat: 47.2842° N Lon: 103.9006° W

Station: **TROTTERS 3 SSE, ND US USC00328812**

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	06/09	06/03	05/31	05/28	05/25	05/23	05/20	05/17	05/13
32	05/29	05/24	05/21	05/17	05/15	05/13	05/10	05/08	05/03
28	05/20	05/14	05/11	05/08	05/05	05/02	04/30	04/27	04/21
24	05/08	05/03	04/30	04/28	04/25	04/21	04/18	04/14	04/10
20	04/28	04/22	04/18	04/16	04/13	04/10	04/07	04/04	03/31
16	04/18	04/13	04/10	04/07	04/04	04/02	03/30	03/25	03/17
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	09/03	09/08	09/12	09/15	09/18	09/20	09/22	09/26	09/29
32	09/13	09/18	09/20	09/23	09/25	09/28	09/30	10/03	10/07
28	09/20	09/24	09/28	10/01	10/03	10/05	10/09	10/12	10/17
24	09/27	10/01	10/05	10/09	10/12	10/14	10/17	10/21	10/25
20	10/05	10/11	10/14	10/17	10/21	10/24	10/27	10/30	11/05
16	10/15	10/21	10/25	10/28	11/01	11/03	11/06	11/10	11/14
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	130.0	125.0	121.0	117.0	113.0	110.0	106.0	101.0	94.0
32	150.0	143.0	139.0	135.0	132.0	129.0	125.0	120.0	113.0
28	169.0	163.0	158.0	153.0	150.0	146.0	142.0	137.0	131.0
24	190.0	183.0	178.0	173.0	169.0	165.0	161.0	156.0	149.0
20	211.0	205.0	199.0	195.0	191.0	186.0	181.0	176.0	169.0
16	230.0	223.0	217.0	212.0	209.0	204.0	200.0	195.0	187.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Generated on 10/21/2024

Current Location: Elev: 1961 ft. Lat: 46.7153° N Lon: 99.4475° W
 Station: **STREETER 5 NW, ND US USC00328415**

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	06/04	05/31	05/28	05/25	05/23	05/20	05/17	05/14	05/10
32	05/27	05/23	05/19	05/16	05/13	05/11	05/08	05/05	05/02
28	05/18	05/13	05/09	05/06	05/04	05/01	04/29	04/26	04/20
24	05/10	05/04	04/30	04/28	04/24	04/21	04/18	04/15	04/10
20	04/30	04/26	04/21	04/17	04/15	04/12	04/09	04/06	04/02
16	04/21	04/16	04/12	04/09	04/07	04/04	04/02	03/31	03/22
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	09/08	09/12	09/16	09/18	09/21	09/23	09/25	09/28	10/03
32	09/16	09/21	09/25	09/27	09/30	10/02	10/04	10/08	10/12
28	09/24	09/28	10/01	10/04	10/07	10/11	10/14	10/18	10/23
24	09/30	10/06	10/10	10/15	10/18	10/22	10/25	10/28	11/01
20	10/11	10/18	10/22	10/26	10/28	10/31	11/02	11/05	11/10
16	10/23	10/28	10/30	11/02	11/04	11/07	11/10	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	138.0	132.0	128.0	125.0	121.0	118.0	113.0	108.0	101.0
32	156.0	150.0	146.0	142.0	139.0	135.0	131.0	127.0	120.0
28	175.0	168.0	163.0	160.0	156.0	152.0	147.0	143.0	135.0
24	194.0	187.0	182.0	178.0	174.0	170.0	165.0	161.0	152.0
20	213.0	206.0	201.0	198.0	194.0	189.0	184.0	179.0	171.0
16	231.0	224.0	218.0	214.0	210.0	206.0	202.0	196.0	189.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Current Location: Elev: 1980 ft. Lat: 46.4581° N Lon: 101.2000° W
Station: **FLASHER, ND US USC00323004**

Generated on 10/21/2024

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	06/06	06/01	05/30	05/27	05/24	05/21	05/18	05/14	05/11
32	05/28	05/24	05/20	05/16	05/13	05/11	05/08	05/06	05/02
28	05/17	05/13	05/09	05/06	05/04	05/01	04/29	04/25	04/20
24	05/09	05/04	05/01	04/28	04/25	04/21	04/18	04/14	04/10
20	05/01	04/26	04/22	04/18	04/15	04/12	04/09	04/06	04/02
16	04/19	04/15	04/11	04/08	04/06	04/04	04/01	03/28	03/21
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	09/05	09/10	09/14	09/17	09/19	09/21	09/23	09/26	09/30
32	09/15	09/19	09/22	09/25	09/27	09/30	10/02	10/05	10/10
28	09/22	09/27	09/30	10/03	10/05	10/08	10/10	10/13	10/18
24	09/30	10/04	10/07	10/11	10/13	10/16	10/19	10/22	10/26
20	10/08	10/13	10/16	10/20	10/22	10/25	10/28	11/01	11/05
16	10/17	10/21	10/25	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	135.0	129.0	125.0	121.0	117.0	113.0	109.0	104.0	98.0
32	153.0	147.0	143.0	138.0	135.0	132.0	128.0	124.0	118.0
28	171.0	165.0	162.0	158.0	154.0	150.0	146.0	141.0	136.0
24	190.0	184.0	179.0	175.0	170.0	167.0	163.0	158.0	152.0
20	209.0	202.0	197.0	192.0	189.0	185.0	181.0	176.0	168.0
16	228.0	220.0	215.0	211.0	206.0	202.0	198.0	193.0	186.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Generated on 10/21/2024

Current Location: Elev: 2220 ft. Lat: 46.9989° N Lon: 102.4761° W
 Station: **TAYLOR 7 NNW, ND US USC00328660**

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	06/25	06/15	06/09	06/05	06/02	05/31	05/28	05/25	05/20
32	06/05	06/01	05/29	05/26	05/23	05/21	05/18	05/15	05/11
28	05/25	05/21	05/19	05/16	05/13	05/11	05/07	05/04	05/01
24	05/17	05/13	05/09	05/05	05/03	05/01	04/28	04/24	04/19
20	05/09	05/04	05/01	04/28	04/25	04/22	04/18	04/14	04/09
16	04/30	04/26	04/22	04/18	04/15	04/12	04/08	04/04	04/01
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	08/22	08/29	09/01	09/05	09/08	09/11	09/14	09/18	09/22
32	09/04	09/11	09/15	09/18	09/20	09/23	09/25	09/28	10/01
28	09/16	09/21	09/24	09/26	09/28	10/01	10/04	10/08	10/13
24	09/24	09/29	10/03	10/05	10/09	10/11	10/15	10/18	10/22
20	10/03	10/08	10/12	10/15	10/18	10/20	10/23	10/27	10/31
16	10/11	10/17	10/20	10/24	10/27	10/30	11/01	11/04	11/10
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	115.0	109.0	103.0	99.0	96.0	91.0	85.0	77.0	67.0
32	138.0	132.0	128.0	124.0	119.0	115.0	110.0	105.0	97.0
28	157.0	151.0	147.0	142.0	138.0	135.0	130.0	126.0	120.0
24	175.0	170.0	165.0	161.0	157.0	153.0	149.0	144.0	137.0
20	194.0	188.0	183.0	179.0	174.0	170.0	166.0	162.0	155.0
16	216.0	207.0	201.0	197.0	192.0	188.0	183.0	179.0	171.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Generated on 10/21/2024

Current Location: Elev: 2703 ft. Lat: 46.0044° N Lon: 102.6472° W
 Station: **HETTINGER EXP STN, ND US USC00324180**

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	06/22	06/14	06/09	06/05	06/02	05/30	05/27	05/24	05/20
32	06/05	05/31	05/27	05/24	05/21	05/18	05/16	05/14	05/10
28	05/25	05/19	05/16	05/13	05/11	05/09	05/06	05/04	05/01
24	05/14	05/09	05/06	05/04	05/02	04/30	04/26	04/22	04/16
20	05/06	05/01	04/28	04/24	04/21	04/18	04/15	04/11	04/07
16	04/28	04/22	04/19	04/15	04/12	04/10	04/07	04/03	03/29
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	08/23	08/30	09/02	09/05	09/09	09/12	09/14	09/18	09/23
32	09/05	09/11	09/15	09/18	09/21	09/23	09/26	09/29	10/02
28	09/16	09/21	09/24	09/27	09/29	10/01	10/04	10/06	10/10
24	09/23	09/28	10/01	10/04	10/06	10/09	10/12	10/15	10/19
20	10/01	10/06	10/10	10/13	10/16	10/18	10/21	10/23	10/27
16	10/11	10/15	10/19	10/21	10/24	10/27	10/30	11/02	11/07
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	117.0	110.0	106.0	101.0	97.0	92.0	87.0	80.0	70.0
32	137.0	132.0	127.0	124.0	120.0	116.0	112.0	106.0	97.0
28	156.0	151.0	146.0	143.0	140.0	136.0	131.0	126.0	120.0
24	177.0	170.0	166.0	162.0	158.0	154.0	150.0	145.0	139.0
20	195.0	188.0	184.0	180.0	176.0	172.0	168.0	163.0	157.0
16	215.0	208.0	202.0	198.0	193.0	189.0	185.0	180.0	172.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Generated on 10/21/2024

Current Location: Elev: 2103 ft. Lat: 48.8744° N Lon: 104.0503° W
 Station: **WESTBY, MT US USC00248777**

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	06/09	06/04	06/01	05/29	05/27	05/25	05/22	05/19	05/15
32	05/30	05/26	05/23	05/20	05/18	05/15	05/13	05/11	05/06
28	05/20	05/15	05/13	05/11	05/08	05/06	05/03	05/01	04/26
24	05/11	05/06	05/03	05/01	04/29	04/25	04/21	04/17	04/13
20	05/02	04/29	04/24	04/20	04/17	04/14	04/11	04/08	04/04
16	04/23	04/18	04/15	04/11	04/08	04/06	04/03	03/31	03/24
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	08/31	09/03	09/06	09/09	09/12	09/14	09/17	09/20	09/24
32	09/07	09/13	09/16	09/19	09/21	09/23	09/25	09/27	10/01
28	09/16	09/20	09/23	09/25	09/28	09/30	10/03	10/07	10/11
24	09/23	09/28	10/01	10/04	10/07	10/10	10/13	10/17	10/21
20	10/01	10/07	10/11	10/14	10/16	10/19	10/23	10/25	10/30
16	10/12	10/17	10/20	10/23	10/25	10/28	11/01	11/03	11/09
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	123.0	118.0	114.0	110.0	106.0	103.0	100.0	95.0	87.0
32	140.0	136.0	132.0	128.0	125.0	122.0	118.0	114.0	108.0
28	159.0	152.0	148.0	144.0	141.0	138.0	133.0	129.0	123.0
24	182.0	174.0	169.0	165.0	161.0	157.0	152.0	147.0	141.0
20	201.0	194.0	189.0	185.0	181.0	176.0	172.0	166.0	161.0
16	219.0	211.0	206.0	202.0	198.0	194.0	190.0	184.0	177.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Current Location: Elev: 2170 ft. Lat: 47.8039° N Lon: 103.2892° W
 Station: **WATFORD CITY, ND US USC00329233**

Generated on 10/21/2024

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	06/01	05/27	05/24	05/22	05/19	05/17	05/14	05/11	05/08
32	05/22	05/17	05/14	05/11	05/09	05/07	05/04	05/02	04/28
28	05/13	05/08	05/04	05/02	04/30	04/27	04/24	04/19	04/16
24	05/02	04/28	04/24	04/21	04/18	04/15	04/13	04/10	04/06
20	04/23	04/18	04/15	04/12	04/09	04/06	04/04	04/02	03/25
16	04/15	04/10	04/07	04/05	04/02	03/31	03/26	03/21	03/13
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	09/08	09/13	09/16	09/18	09/20	09/22	09/24	09/27	10/01
32	09/15	09/20	09/22	09/25	09/27	09/30	10/02	10/06	10/11
28	09/23	09/27	09/30	10/04	10/07	10/10	10/13	10/18	10/22
24	10/01	10/06	10/11	10/14	10/17	10/21	10/24	10/27	11/01
20	10/10	10/16	10/21	10/24	10/27	10/30	11/02	11/06	11/11
16	10/18	10/24	10/28	11/01	11/04	11/06	11/10	11/13	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	140.0	133.0	129.0	126.0	122.0	118.0	114.0	109.0	103.0
32	159.0	152.0	147.0	143.0	139.0	136.0	133.0	128.0	122.0
28	180.0	173.0	168.0	163.0	160.0	155.0	151.0	147.0	139.0
24	200.0	194.0	189.0	184.0	180.0	176.0	171.0	167.0	159.0
20	219.0	212.0	206.0	202.0	198.0	194.0	189.0	184.0	177.0
16	237.0	229.0	223.0	218.0	214.0	210.0	206.0	201.0	193.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Current Location: Elev: 790 ft. Lat: 48.9711° N Lon: 97.2417° W
 Station: **PEMBINA, ND US USW00014924**

Generated on 10/21/2024

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	06/07	06/03	05/31	05/28	05/25	05/22	05/19	05/16	05/11
32	05/31	05/25	05/21	05/18	05/16	05/13	05/09	05/05	05/02
28	05/21	05/16	05/12	05/08	05/05	05/02	04/30	04/26	04/20
24	05/12	05/06	05/02	04/30	04/26	04/22	04/18	04/14	04/10
20	05/02	04/26	04/22	04/18	04/15	04/12	04/09	04/06	04/02
16	04/23	04/17	04/13	04/10	04/07	04/05	04/02	03/31	03/24
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	09/07	09/11	09/14	09/17	09/20	09/22	09/25	09/28	10/02
32	09/17	09/21	09/24	09/27	09/29	10/01	10/04	10/06	10/11
28	09/26	09/30	10/02	10/05	10/07	10/10	10/13	10/17	10/21
24	10/04	10/08	10/12	10/15	10/19	10/22	10/25	10/28	11/01
20	10/11	10/17	10/22	10/25	10/28	11/01	11/02	11/06	11/11
16	10/21	10/27	10/30	11/02	11/04	11/07	11/10	11/14	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	135.0	128.0	124.0	120.0	116.0	113.0	109.0	104.0	97.0
32	155.0	149.0	145.0	141.0	137.0	132.0	128.0	123.0	117.0
28	177.0	170.0	165.0	160.0	155.0	151.0	146.0	141.0	135.0
24	198.0	191.0	185.0	181.0	177.0	172.0	168.0	162.0	155.0
20	214.0	208.0	203.0	198.0	194.0	190.0	186.0	181.0	173.0
16	230.0	223.0	220.0	215.0	211.0	207.0	202.0	196.0	190.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Current Location: Elev: 1755 ft. Lat: 47.2981° N Lon: 101.0300° W
 Station: **WASHBURN, ND US USC00329195**

Generated on 10/21/2024

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	06/02	05/30	05/27	05/24	05/22	05/19	05/16	05/14	05/09
32	05/25	05/20	05/17	05/14	05/12	05/09	05/07	05/04	04/30
28	05/16	05/11	05/08	05/05	05/03	04/30	04/28	04/24	04/17
24	05/06	05/02	04/30	04/26	04/24	04/20	04/17	04/14	04/09
20	04/29	04/23	04/19	04/16	04/13	04/10	04/08	04/04	04/01
16	04/19	04/14	04/10	04/07	04/05	04/03	03/31	03/26	03/19
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	09/09	09/14	09/17	09/19	09/22	09/24	09/26	09/28	10/02
32	09/18	09/22	09/25	09/27	09/30	10/02	10/04	10/07	10/11
28	09/27	09/30	10/03	10/05	10/08	10/11	10/13	10/16	10/20
24	10/04	10/09	10/12	10/14	10/17	10/20	10/23	10/26	10/30
20	10/13	10/18	10/21	10/24	10/27	10/29	11/01	11/04	11/09
16	10/23	10/26	10/29	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	139.0	133.0	129.0	126.0	122.0	119.0	115.0	111.0	104.0
32	157.0	152.0	147.0	144.0	140.0	137.0	133.0	129.0	123.0
28	177.0	170.0	166.0	162.0	159.0	155.0	151.0	147.0	140.0
24	195.0	190.0	185.0	181.0	176.0	172.0	168.0	163.0	157.0
20	214.0	207.0	203.0	199.0	194.0	191.0	187.0	182.0	176.0
16	231.0	223.0	218.0	214.0	211.0	207.0	203.0	199.0	192.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Current Location: Elev: 1831 ft. Lat: 46.8339° N Lon: 100.7969° W
 Station: **BISMARCK 2.4 NNW, ND US USC00320817**

Generated on 10/21/2024

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	06/02	05/29	05/25	05/22	05/20	05/17	05/14	05/12	05/08
32	05/23	05/18	05/14	05/12	05/10	05/08	05/05	05/03	04/30
28	05/13	05/08	05/06	05/03	05/01	04/29	04/26	04/22	04/18
24	05/04	05/01	04/28	04/24	04/21	04/18	04/16	04/12	04/08
20	04/27	04/22	04/18	04/16	04/13	04/11	04/08	04/05	04/01
16	04/20	04/15	04/12	04/09	04/06	04/04	04/01	03/29	03/20
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	09/08	09/13	09/16	09/19	09/21	09/24	09/27	09/30	10/04
32	09/16	09/21	09/25	09/28	09/30	10/02	10/05	10/09	10/13
28	09/25	09/30	10/03	10/05	10/09	10/12	10/14	10/18	10/22
24	10/02	10/08	10/12	10/14	10/18	10/20	10/23	10/27	11/01
20	10/11	10/17	10/20	10/24	10/27	10/30	11/02	11/05	11/10
16	10/21	10/27	10/30	11/01	11/04	11/07	11/10	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	142.0	136.0	131.0	127.0	123.0	120.0	115.0	111.0	105.0
32	159.0	153.0	148.0	145.0	142.0	139.0	135.0	130.0	124.0
28	179.0	173.0	169.0	165.0	161.0	157.0	153.0	148.0	140.0
24	197.0	190.0	186.0	181.0	177.0	173.0	169.0	165.0	158.0
20	214.0	208.0	203.0	200.0	196.0	191.0	188.0	183.0	177.0
16	232.0	226.0	220.0	216.0	213.0	209.0	205.0	199.0	193.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Generated on 10/21/2024

Current Location: Elev: 1651 ft. Lat: 46.7717° N Lon: 100.7592° W
 Station: **BISMARCK WFO, ND US USC00320818**

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	06/05	05/31	05/28	05/26	05/23	05/20	05/18	05/15	05/12
32	05/27	05/23	05/19	05/16	05/14	05/12	05/08	05/05	05/01
28	05/18	05/13	05/10	05/06	05/03	05/01	04/28	04/24	04/17
24	05/09	05/03	04/30	04/26	04/23	04/20	04/16	04/12	04/07
20	04/29	04/23	04/18	04/16	04/12	04/09	04/07	04/04	03/31
16	04/19	04/14	04/10	04/07	04/04	04/02	03/30	03/25	03/18
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	09/08	09/12	09/16	09/19	09/21	09/23	09/26	09/29	10/03
32	09/18	09/22	09/25	09/28	09/30	10/02	10/05	10/09	10/13
28	09/25	09/30	10/03	10/06	10/08	10/11	10/14	10/17	10/21
24	10/04	10/08	10/12	10/15	10/18	10/20	10/23	10/26	10/30
20	10/12	10/18	10/21	10/24	10/26	10/29	11/01	11/04	11/09
16	10/21	10/26	10/29	11/01	11/03	11/06	11/09	11/13	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	138.0	132.0	126.0	123.0	119.0	115.0	112.0	108.0	100.0
32	156.0	149.0	145.0	142.0	138.0	134.0	130.0	125.0	119.0
28	176.0	169.0	165.0	160.0	156.0	152.0	148.0	143.0	136.0
24	195.0	189.0	184.0	180.0	177.0	172.0	167.0	162.0	155.0
20	216.0	208.0	203.0	199.0	195.0	191.0	186.0	181.0	173.0
16	234.0	225.0	220.0	217.0	212.0	207.0	204.0	199.0	191.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Generated on 10/21/2024

Current Location: Elev: 1785 ft. Lat: 47.2622° N Lon: 101.7906° W
 Station: **BEULAH 1 W, ND US USC00320766**

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	06/17	06/09	06/05	06/02	05/31	05/28	05/25	05/22	05/18
32	06/03	05/30	05/26	05/24	05/21	05/18	05/15	05/12	05/07
28	05/25	05/20	05/16	05/13	05/11	05/07	05/04	05/01	04/27
24	05/15	05/10	05/06	05/03	04/30	04/28	04/24	04/19	04/14
20	05/05	04/30	04/26	04/23	04/19	04/16	04/13	04/10	04/06
16	04/26	04/20	04/17	04/14	04/11	04/08	04/05	04/02	03/27
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	08/24	08/31	09/04	09/07	09/10	09/13	09/15	09/19	09/23
32	09/05	09/10	09/14	09/17	09/20	09/22	09/25	09/29	10/04
28	09/14	09/19	09/22	09/25	09/28	10/01	10/04	10/08	10/14
24	09/22	09/27	10/01	10/05	10/08	10/12	10/16	10/21	10/28
20	10/01	10/07	10/12	10/16	10/20	10/24	10/27	10/30	11/03
16	10/10	10/17	10/22	10/26	10/29	11/01	11/03	11/06	11/10
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	121.0	114.0	109.0	105.0	100.0	96.0	91.0	84.0	74.0
32	141.0	133.0	129.0	125.0	121.0	116.0	112.0	107.0	99.0
28	163.0	155.0	150.0	145.0	142.0	137.0	133.0	127.0	120.0
24	184.0	175.0	170.0	166.0	161.0	156.0	151.0	146.0	138.0
20	202.0	195.0	190.0	186.0	182.0	176.0	172.0	166.0	158.0
16	221.0	213.0	208.0	203.0	199.0	195.0	190.0	184.0	177.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Current Location: Elev: 1990 ft. Lat: 47.0644° N Lon: 101.2119° W
 Station: **CENTER 4SE, ND US USC00321456**

Generated on 10/21/2024

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	06/03	05/30	05/26	05/24	05/21	05/19	05/16	05/12	05/08
32	05/26	05/21	05/17	05/14	05/11	05/08	05/05	05/02	04/28
28	05/16	05/11	05/07	05/03	05/01	04/28	04/24	04/20	04/14
24	05/05	04/30	04/25	04/21	04/18	04/15	04/12	04/09	04/05
20	04/24	04/19	04/15	04/12	04/09	04/06	04/04	04/01	03/27
16	04/17	04/11	04/07	04/04	04/01	03/30	03/27	03/22	03/15
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	09/05	09/10	09/14	09/17	09/20	09/22	09/25	09/27	10/01
32	09/15	09/20	09/23	09/26	09/29	10/01	10/04	10/08	10/13
28	09/23	09/28	10/01	10/04	10/07	10/11	10/13	10/17	10/21
24	10/02	10/07	10/11	10/14	10/17	10/20	10/23	10/27	11/01
20	10/11	10/16	10/19	10/23	10/26	10/29	11/01	11/04	11/09
16	10/20	10/26	10/29	11/01	11/03	11/05	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	138.0	132.0	128.0	124.0	121.0	116.0	112.0	107.0	99.0
32	161.0	154.0	148.0	144.0	140.0	136.0	132.0	126.0	121.0
28	179.0	172.0	168.0	164.0	160.0	156.0	151.0	145.0	139.0
24	198.0	193.0	188.0	183.0	179.0	175.0	171.0	166.0	160.0
20	219.0	212.0	206.0	202.0	198.0	194.0	190.0	185.0	178.0
16	236.0	228.0	223.0	219.0	215.0	210.0	206.0	201.0	193.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Current Location: Elev: 1915 ft. Lat: 46.7253° N Lon: 101.5050° W
 Station: **ALMONT, ND US USC00320127**

Generated on 10/21/2024

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	06/09	06/04	06/01	05/30	05/28	05/25	05/22	05/19	05/16
32	06/01	05/27	05/23	05/20	05/17	05/15	05/12	05/09	05/06
28	05/23	05/17	05/13	05/10	05/08	05/05	05/03	04/30	04/26
24	05/13	05/08	05/04	05/01	04/29	04/26	04/23	04/19	04/14
20	05/01	04/28	04/25	04/22	04/19	04/16	04/13	04/10	04/06
16	04/26	04/20	04/17	04/14	04/11	04/08	04/06	04/03	03/28
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	08/26	09/02	09/05	09/08	09/12	09/15	09/17	09/21	09/25
32	09/06	09/12	09/16	09/19	09/21	09/24	09/27	09/30	10/04
28	09/12	09/19	09/23	09/27	09/30	10/03	10/05	10/10	10/15
24	09/22	09/29	10/02	10/05	10/08	10/11	10/15	10/20	10/25
20	10/02	10/07	10/10	10/14	10/18	10/22	10/25	10/30	11/03
16	10/10	10/16	10/20	10/24	10/28	10/31	11/03	11/06	11/11
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	124.0	118.0	113.0	109.0	105.0	101.0	95.0	89.0	80.0
32	142.0	137.0	132.0	128.0	124.0	121.0	116.0	111.0	102.0
28	163.0	155.0	150.0	147.0	142.0	138.0	133.0	128.0	122.0
24	181.0	174.0	170.0	166.0	162.0	158.0	153.0	147.0	139.0
20	202.0	195.0	190.0	185.0	181.0	176.0	171.0	167.0	159.0
16	220.0	213.0	207.0	203.0	198.0	193.0	189.0	184.0	175.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Generated on 10/21/2024

Current Location: Elev: 1547 ft. Lat: 48.0486° N Lon: 100.3094° W
 Station: **DRAKE 9 NE, ND US USC00322304**

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	06/02	05/30	05/27	05/24	05/21	05/19	05/17	05/14	05/10
32	05/25	05/20	05/17	05/15	05/12	05/10	05/08	05/05	05/02
28	05/17	05/12	05/09	05/07	05/04	05/02	04/30	04/27	04/21
24	05/07	05/04	05/01	04/29	04/26	04/22	04/19	04/15	04/10
20	05/01	04/26	04/23	04/19	04/16	04/13	04/10	04/07	04/03
16	04/23	04/18	04/14	04/11	04/08	04/06	04/04	04/01	03/28
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	09/08	09/12	09/14	09/17	09/19	09/21	09/23	09/25	09/28
32	09/16	09/20	09/23	09/25	09/27	09/29	10/01	10/04	10/08
28	09/23	09/27	09/30	10/01	10/04	10/06	10/09	10/12	10/16
24	09/30	10/03	10/06	10/09	10/12	10/15	10/18	10/22	10/26
20	10/06	10/12	10/15	10/18	10/21	10/24	10/28	11/01	11/04
16	10/15	10/20	10/24	10/28	10/31	11/02	11/05	11/08	11/12
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	135.0	130.0	126.0	123.0	120.0	116.0	113.0	108.0	102.0
32	152.0	147.0	143.0	140.0	137.0	134.0	130.0	126.0	120.0
28	171.0	164.0	159.0	154.0	151.0	148.0	145.0	140.0	134.0
24	189.0	183.0	178.0	173.0	169.0	165.0	160.0	155.0	149.0
20	208.0	201.0	196.0	192.0	188.0	183.0	179.0	174.0	167.0
16	224.0	216.0	212.0	207.0	203.0	200.0	195.0	191.0	184.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Generated on 10/21/2024

Current Location: Elev: 1250 ft. Lat: 46.0333° N Lon: 97.5950° W
 Station: **FORMAN 5 SSE, ND US USC00323117**

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	05/30	05/26	05/23	05/20	05/17	05/14	05/11	05/08	05/04
32	05/20	05/16	05/12	05/09	05/07	05/04	05/01	04/29	04/24
28	05/12	05/07	05/03	05/01	04/29	04/26	04/23	04/19	04/15
24	05/02	04/28	04/24	04/21	04/18	04/16	04/12	04/09	04/05
20	04/23	04/18	04/15	04/11	04/09	04/07	04/04	04/02	03/29
16	04/15	04/10	04/07	04/04	04/02	03/31	03/28	03/23	03/17
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	09/10	09/14	09/17	09/20	09/22	09/25	09/27	09/29	10/03
32	09/18	09/23	09/26	09/28	10/01	10/02	10/05	10/09	10/13
28	09/27	10/01	10/03	10/06	10/09	10/12	10/15	10/19	10/23
24	10/04	10/09	10/13	10/17	10/20	10/23	10/25	10/29	11/02
20	10/13	10/20	10/23	10/26	10/30	11/01	11/03	11/07	11/12
16	10/24	10/29	11/01	11/04	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	146.0	139.0	135.0	131.0	127.0	124.0	121.0	116.0	110.0
32	166.0	159.0	155.0	150.0	146.0	143.0	139.0	135.0	128.0
28	183.0	177.0	172.0	168.0	164.0	160.0	156.0	151.0	145.0
24	203.0	197.0	192.0	187.0	182.0	179.0	175.0	169.0	163.0
20	221.0	214.0	209.0	205.0	201.0	196.0	191.0	187.0	180.0
16	238.0	231.0	226.0	221.0	217.0	213.0	209.0	204.0	196.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Generated on 10/21/2024

Current Location: Elev: 2268 ft. Lat: 46.9161° N Lon: 103.5264° W
 Station: **MEDORA, ND US USC00325813**

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	06/13	06/06	06/03	06/01	05/29	05/27	05/24	05/21	05/18
32	06/01	05/27	05/24	05/21	05/19	05/16	05/14	05/11	05/07
28	05/23	05/18	05/14	05/11	05/08	05/05	05/03	04/30	04/26
24	05/12	05/07	05/03	05/01	04/28	04/25	04/22	04/18	04/14
20	04/30	04/26	04/22	04/19	04/16	04/13	04/10	04/06	04/02
16	04/20	04/15	04/12	04/09	04/06	04/03	04/01	03/28	03/19
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	08/27	08/31	09/03	09/06	09/08	09/11	09/14	09/17	09/22
32	09/06	09/10	09/15	09/18	09/20	09/23	09/26	09/29	10/04
28	09/16	09/20	09/23	09/26	09/29	10/01	10/05	10/08	10/13
24	09/22	09/26	09/30	10/04	10/08	10/11	10/14	10/17	10/22
20	09/29	10/06	10/10	10/14	10/17	10/21	10/24	10/28	11/01
16	10/10	10/16	10/21	10/25	10/28	10/30	11/02	11/05	11/11
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	120.0	115.0	110.0	106.0	102.0	99.0	95.0	90.0	82.0
32	142.0	136.0	131.0	127.0	123.0	119.0	115.0	111.0	104.0
28	163.0	156.0	152.0	147.0	143.0	139.0	135.0	130.0	124.0
24	181.0	175.0	170.0	166.0	163.0	159.0	154.0	148.0	141.0
20	203.0	197.0	192.0	187.0	183.0	179.0	175.0	170.0	163.0
16	224.0	216.0	211.0	207.0	203.0	199.0	195.0	189.0	183.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Current Location: Elev: 1720 ft. Lat: 46.3797° N Lon: 100.9408° W
 Station: **BREIEN, ND US USC00321052**

Generated on 10/21/2024

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	06/07	06/02	05/30	05/27	05/24	05/21	05/17	05/14	05/09
32	05/27	05/22	05/18	05/15	05/12	05/09	05/06	05/03	04/30
28	05/16	05/11	05/06	05/03	05/01	04/30	04/27	04/23	04/17
24	05/06	05/01	04/28	04/25	04/22	04/19	04/16	04/13	04/09
20	04/29	04/24	04/20	04/16	04/14	04/11	04/08	04/05	04/01
16	04/22	04/16	04/12	04/09	04/06	04/03	03/31	03/28	03/19
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	09/02	09/06	09/09	09/12	09/14	09/16	09/19	09/22	09/27
32	09/11	09/16	09/19	09/22	09/24	09/27	09/30	10/03	10/08
28	09/19	09/24	09/28	10/01	10/04	10/06	10/09	10/13	10/18
24	09/26	10/01	10/05	10/08	10/12	10/15	10/19	10/22	10/27
20	10/03	10/10	10/15	10/19	10/22	10/25	10/29	11/01	11/05
16	10/16	10/22	10/26	10/29	11/01	11/04	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	132.0	126.0	121.0	117.0	113.0	109.0	106.0	100.0	93.0
32	151.0	146.0	142.0	138.0	134.0	130.0	126.0	121.0	114.0
28	173.0	167.0	161.0	156.0	152.0	148.0	144.0	138.0	131.0
24	191.0	185.0	180.0	175.0	172.0	167.0	163.0	157.0	150.0
20	210.0	204.0	198.0	193.0	189.0	184.0	179.0	174.0	166.0
16	230.0	222.0	216.0	212.0	208.0	204.0	200.0	194.0	185.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Current Location: Elev: 827 ft. Lat: 48.4181° N Lon: 97.4247° W
 Station: **GRAFTON, ND US USC00323594**

Generated on 10/21/2024

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	05/26	05/22	05/18	05/15	05/13	05/10	05/07	05/04	04/30
32	05/18	05/13	05/09	05/06	05/04	05/01	04/28	04/24	04/19
28	05/09	05/04	04/30	04/27	04/24	04/21	04/18	04/14	04/09
24	04/30	04/25	04/22	04/19	04/15	04/12	04/09	04/05	04/01
20	04/23	04/18	04/14	04/10	04/08	04/05	04/02	03/30	03/23
16	04/16	04/10	04/07	04/04	04/02	03/31	03/26	03/22	03/17
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	09/17	09/21	09/24	09/27	09/28	10/01	10/03	10/06	10/10
32	09/25	09/29	10/01	10/04	10/07	10/10	10/12	10/17	10/21
28	10/03	10/07	10/11	10/14	10/17	10/20	10/23	10/26	10/30
24	10/12	10/16	10/20	10/23	10/26	10/30	11/01	11/04	11/08
20	10/20	10/26	10/29	11/01	11/03	11/05	11/08	11/11	11/16
16	10/28	11/01	11/04	11/06	11/09	11/12	11/15	11/18	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	155.0	149.0	145.0	141.0	138.0	135.0	131.0	127.0	121.0
32	176.0	167.0	163.0	160.0	156.0	152.0	148.0	143.0	137.0
28	196.0	189.0	183.0	179.0	174.0	170.0	166.0	162.0	154.0
24	212.0	205.0	201.0	197.0	193.0	189.0	185.0	180.0	172.0
20	228.0	221.0	216.0	213.0	208.0	205.0	201.0	196.0	189.0
16	242.0	236.0	231.0	226.0	222.0	218.0	214.0	209.0	203.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Generated on 10/21/2024

Current Location: Elev: 2310 ft. Lat: 47.3714° N Lon: 102.7606° W
 Station: **KILLDEER, ND US USC00324722**

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	06/16	06/10	06/06	06/03	06/01	05/29	05/26	05/24	05/20
32	06/05	05/31	05/27	05/24	05/21	05/18	05/15	05/13	05/09
28	05/24	05/19	05/16	05/13	05/10	05/07	05/05	05/02	04/29
24	05/13	05/08	05/05	05/02	04/30	04/28	04/24	04/20	04/15
20	05/02	04/29	04/25	04/22	04/19	04/16	04/13	04/10	04/06
16	04/25	04/21	04/17	04/13	04/10	04/07	04/04	04/01	03/24
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	08/29	09/03	09/07	09/10	09/13	09/16	09/19	09/22	09/25
32	09/08	09/13	09/18	09/20	09/23	09/25	09/27	10/01	10/05
28	09/19	09/23	09/26	09/28	10/01	10/04	10/06	10/10	10/14
24	09/26	10/01	10/05	10/08	10/11	10/14	10/16	10/19	10/24
20	10/05	10/10	10/14	10/16	10/19	10/22	10/25	10/29	11/03
16	10/12	10/18	10/22	10/25	10/29	11/01	11/04	11/07	11/12
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	119.0	114.0	110.0	107.0	103.0	99.0	94.0	89.0	81.0
32	141.0	136.0	132.0	128.0	124.0	120.0	117.0	111.0	105.0
28	161.0	155.0	151.0	147.0	143.0	140.0	135.0	131.0	124.0
24	182.0	176.0	170.0	167.0	164.0	160.0	155.0	150.0	142.0
20	203.0	195.0	190.0	186.0	182.0	178.0	174.0	169.0	163.0
16	221.0	214.0	209.0	204.0	200.0	196.0	192.0	187.0	180.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Current Location: Elev: 1440 ft. Lat: 48.1167° N Lon: 98.9000° W

Generated on 10/21/2024

Station: **DEVILS LAKE, ND US USC00322148**

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	05/31	05/28	05/25	05/22	05/20	05/17	05/15	05/12	05/08
32	05/24	05/20	05/17	05/14	05/12	05/10	05/07	05/04	04/30
28	05/16	05/12	05/09	05/06	05/04	05/01	04/28	04/23	04/18
24	05/08	05/03	04/30	04/27	04/23	04/20	04/17	04/13	04/08
20	04/30	04/24	04/20	04/17	04/14	04/11	04/08	04/05	04/02
16	04/21	04/16	04/12	04/09	04/06	04/04	04/02	03/30	03/23
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	09/09	09/13	09/17	09/20	09/22	09/24	09/27	09/29	10/04
32	09/19	09/23	09/26	09/28	09/30	10/03	10/06	10/09	10/14
28	09/28	10/01	10/04	10/07	10/10	10/14	10/17	10/20	10/24
24	10/06	10/11	10/15	10/18	10/21	10/24	10/27	10/30	11/02
20	10/16	10/21	10/25	10/28	10/30	11/01	11/04	11/07	11/12
16	10/24	10/29	11/01	11/03	11/06	11/08	11/10	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	140.0	135.0	130.0	127.0	124.0	120.0	116.0	112.0	107.0
32	159.0	153.0	148.0	144.0	141.0	138.0	134.0	129.0	123.0
28	178.0	172.0	167.0	163.0	159.0	156.0	152.0	148.0	141.0
24	199.0	192.0	186.0	182.0	178.0	175.0	170.0	166.0	159.0
20	215.0	209.0	205.0	200.0	196.0	192.0	189.0	183.0	177.0
16	231.0	224.0	219.0	215.0	211.0	208.0	203.0	198.0	193.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Generated on 10/21/2024

Current Location: Elev: 1152 ft. Lat: 47.8742° N Lon: 97.7106° W
 Station: **LARIMORE 4SW, ND US USC00325013**

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	06/04	05/30	05/26	05/23	05/21	05/18	05/15	05/11	05/07
32	05/25	05/20	05/17	05/14	05/11	05/08	05/05	05/02	04/28
28	05/18	05/12	05/08	05/04	05/02	04/30	04/27	04/24	04/19
24	05/08	05/02	04/30	04/27	04/23	04/21	04/18	04/15	04/10
20	04/29	04/23	04/20	04/17	04/15	04/12	04/09	04/07	04/03
16	04/19	04/15	04/11	04/09	04/06	04/04	04/02	03/31	03/23
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	09/05	09/10	09/14	09/17	09/19	09/21	09/23	09/26	09/29
32	09/16	09/21	09/24	09/27	09/28	09/30	10/03	10/06	10/11
28	09/26	09/30	10/02	10/05	10/08	10/10	10/13	10/17	10/21
24	10/03	10/07	10/11	10/15	10/17	10/20	10/23	10/26	10/31
20	10/12	10/17	10/21	10/24	10/28	10/31	11/02	11/06	11/10
16	10/21	10/26	10/30	11/01	11/04	11/07	11/09	11/13	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	137.0	132.0	128.0	124.0	120.0	117.0	113.0	108.0	101.0
32	156.0	150.0	146.0	142.0	139.0	136.0	132.0	128.0	122.0
28	176.0	170.0	165.0	160.0	157.0	153.0	149.0	145.0	138.0
24	196.0	189.0	185.0	181.0	177.0	173.0	169.0	164.0	157.0
20	213.0	207.0	203.0	200.0	196.0	192.0	188.0	183.0	176.0
16	229.0	222.0	217.0	213.0	210.0	207.0	203.0	199.0	192.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Generated on 10/21/2024

Current Location: Elev: 2480 ft. Lat: 46.1758° N Lon: 101.8561° W
 Station: **PRETTY ROCK, ND US USC00327311**

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	06/16	06/10	06/06	06/02	05/31	05/28	05/25	05/22	05/17
32	06/03	05/30	05/26	05/23	05/20	05/17	05/14	05/11	05/07
28	05/23	05/18	05/15	05/12	05/09	05/07	05/04	05/02	04/28
24	05/15	05/10	05/06	05/03	04/30	04/28	04/25	04/20	04/15
20	05/06	04/30	04/26	04/23	04/19	04/16	04/13	04/09	04/05
16	04/25	04/20	04/17	04/13	04/10	04/08	04/04	04/01	03/26
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	08/30	09/03	09/06	09/09	09/11	09/14	09/18	09/21	09/25
32	09/08	09/13	09/17	09/20	09/23	09/26	09/28	10/01	10/05
28	09/16	09/23	09/26	09/30	10/02	10/05	10/08	10/11	10/15
24	09/26	10/01	10/04	10/07	10/10	10/13	10/16	10/19	10/23
20	10/03	10/09	10/13	10/16	10/19	10/22	10/25	10/29	11/02
16	10/10	10/17	10/21	10/24	10/28	10/30	11/01	11/05	11/10
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	124.0	117.0	112.0	107.0	103.0	99.0	95.0	90.0	82.0
32	143.0	137.0	132.0	128.0	124.0	119.0	115.0	110.0	104.0
28	162.0	156.0	152.0	148.0	144.0	140.0	136.0	130.0	123.0
24	182.0	176.0	170.0	166.0	162.0	158.0	154.0	148.0	140.0
20	200.0	194.0	188.0	184.0	179.0	175.0	171.0	165.0	158.0
16	220.0	212.0	207.0	202.0	198.0	194.0	189.0	183.0	176.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Current Location: Elev: 910 ft. Lat: 47.4389° N Lon: 97.0664° W
 Station: **HILLSBORO 3 N, ND US USC00324203**

Generated on 10/21/2024

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	05/24	05/20	05/17	05/14	05/11	05/08	05/05	05/02	04/29
32	05/17	05/12	05/08	05/05	05/02	04/30	04/27	04/23	04/15
28	05/08	05/02	04/29	04/26	04/23	04/19	04/15	04/11	04/06
24	04/29	04/23	04/18	04/15	04/11	04/08	04/06	04/03	03/31
20	04/18	04/13	04/09	04/06	04/04	04/02	03/31	03/26	03/19
16	04/10	04/06	04/03	04/01	03/30	03/25	03/22	03/17	03/13
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	09/15	09/21	09/25	09/27	09/30	10/02	10/05	10/08	10/13
32	09/25	09/30	10/03	10/06	10/09	10/13	10/16	10/20	10/25
28	10/02	10/08	10/13	10/17	10/20	10/23	10/27	10/31	11/04
24	10/12	10/19	10/23	10/27	10/30	11/01	11/04	11/08	11/11
20	10/23	10/29	11/01	11/03	11/06	11/08	11/11	11/14	11/19
16	10/31	11/04	11/07	11/10	11/12	11/15	11/18	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	157.0	150.0	147.0	143.0	140.0	136.0	132.0	128.0	122.0
32	179.0	172.0	166.0	162.0	158.0	154.0	150.0	146.0	139.0
28	201.0	193.0	187.0	182.0	177.0	173.0	168.0	162.0	155.0
24	218.0	211.0	206.0	202.0	197.0	192.0	188.0	183.0	176.0
20	233.0	226.0	222.0	218.0	214.0	210.0	206.0	201.0	193.0
16	247.0	240.0	235.0	231.0	227.0	223.0	220.0	215.0	209.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Generated on 10/21/2024

Current Location: Elev: 1324 ft. Lat: 46.1458° N Lon: 98.0919° W

Station: **OAKES, ND US USC00326620**

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	06/03	05/29	05/25	05/22	05/19	05/16	05/14	05/10	05/06
32	05/21	05/16	05/13	05/10	05/08	05/05	05/03	04/30	04/26
28	05/11	05/07	05/04	05/01	04/30	04/27	04/24	04/21	04/16
24	05/04	04/30	04/27	04/23	04/20	04/17	04/14	04/10	04/06
20	04/26	04/21	04/18	04/15	04/11	04/08	04/05	04/03	03/29
16	04/18	04/13	04/09	04/05	04/03	04/01	03/28	03/22	03/17
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	09/06	09/11	09/15	09/18	09/20	09/23	09/25	09/28	10/02
32	09/16	09/21	09/23	09/26	09/28	10/01	10/03	10/07	10/12
28	09/24	09/29	10/02	10/04	10/07	10/10	10/13	10/17	10/21
24	10/02	10/07	10/11	10/14	10/18	10/20	10/23	10/26	10/31
20	10/13	10/18	10/22	10/26	10/28	10/31	11/02	11/05	11/10
16	10/24	10/29	11/01	11/03	11/06	11/08	11/11	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	143.0	137.0	132.0	128.0	124.0	120.0	116.0	112.0	104.0
32	161.0	155.0	151.0	147.0	144.0	141.0	137.0	132.0	124.0
28	179.0	173.0	168.0	164.0	160.0	157.0	152.0	148.0	142.0
24	200.0	194.0	188.0	184.0	180.0	176.0	171.0	166.0	160.0
20	219.0	212.0	207.0	203.0	199.0	196.0	192.0	186.0	180.0
16	235.0	228.0	223.0	219.0	215.0	211.0	208.0	202.0	196.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Generated on 10/21/2024

Current Location: Elev: 983 ft. Lat: 47.4989° N Lon: 97.3514° W
 Station: **MAYVILLE, ND US USC00325660**

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	06/02	05/30	05/27	05/25	05/23	05/21	05/18	05/15	05/11
32	05/25	05/21	05/18	05/15	05/13	05/11	05/08	05/04	04/30
28	05/17	05/13	05/10	05/07	05/04	05/01	04/29	04/26	04/20
24	05/08	05/04	04/30	04/27	04/25	04/21	04/18	04/14	04/09
20	04/29	04/24	04/19	04/16	04/13	04/11	04/08	04/05	04/02
16	04/21	04/15	04/12	04/09	04/06	04/04	04/02	03/31	03/23
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	09/04	09/09	09/13	09/15	09/17	09/20	09/22	09/24	09/28
32	09/14	09/19	09/22	09/25	09/27	09/29	10/01	10/04	10/09
28	09/24	09/28	10/01	10/03	10/06	10/08	10/11	10/15	10/19
24	10/01	10/06	10/10	10/13	10/16	10/19	10/22	10/25	10/29
20	10/11	10/16	10/21	10/24	10/27	10/30	11/01	11/04	11/09
16	10/21	10/26	10/30	11/01	11/03	11/06	11/09	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	133.0	128.0	123.0	120.0	117.0	114.0	111.0	107.0	101.0
32	154.0	147.0	143.0	139.0	136.0	133.0	129.0	125.0	119.0
28	173.0	166.0	161.0	158.0	154.0	150.0	147.0	143.0	136.0
24	193.0	186.0	181.0	177.0	174.0	170.0	165.0	160.0	153.0
20	212.0	206.0	202.0	198.0	193.0	190.0	184.0	179.0	173.0
16	229.0	222.0	217.0	213.0	209.0	205.0	202.0	197.0	190.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Generated on 10/21/2024

Current Location: Elev: 2470 ft. Lat: 47.8967° N Lon: 102.9208° W
 Station: **KEENE 3S, ND US USC00324571**

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	06/20	06/12	06/05	06/02	05/30	05/27	05/25	05/22	05/17
32	06/02	05/28	05/25	05/22	05/20	05/17	05/15	05/12	05/08
28	05/24	05/19	05/15	05/13	05/10	05/07	05/05	05/02	04/27
24	05/13	05/09	05/05	05/03	04/30	04/28	04/25	04/20	04/15
20	05/04	04/30	04/26	04/23	04/19	04/16	04/13	04/09	04/04
16	04/26	04/20	04/16	04/13	04/09	04/06	04/04	04/01	03/25
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	08/27	09/02	09/04	09/08	09/11	09/14	09/17	09/20	09/23
32	09/05	09/09	09/14	09/17	09/20	09/22	09/25	09/28	10/02
28	09/13	09/18	09/22	09/25	09/28	10/01	10/04	10/08	10/14
24	09/22	09/28	10/02	10/06	10/09	10/12	10/15	10/19	10/24
20	10/04	10/09	10/13	10/16	10/19	10/22	10/26	10/30	11/03
16	10/12	10/17	10/22	10/25	10/28	10/31	11/03	11/07	11/12
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	121.0	115.0	110.0	106.0	102.0	97.0	92.0	84.0	75.0
32	140.0	134.0	130.0	125.0	121.0	118.0	113.0	108.0	101.0
28	160.0	153.0	148.0	145.0	141.0	137.0	133.0	128.0	121.0
24	180.0	173.0	168.0	164.0	160.0	156.0	152.0	147.0	139.0
20	202.0	194.0	189.0	184.0	180.0	175.0	172.0	166.0	160.0
16	222.0	213.0	208.0	203.0	199.0	194.0	190.0	184.0	177.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Current Location: Elev: 2205 ft. Lat: 48.5722° N Lon: 102.6467° W
 Station: **POWERS LAKE 1N, ND US USC00327281**

Generated on 10/21/2024

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	06/15	06/08	06/04	05/31	05/30	05/27	05/24	05/21	05/17
32	06/01	05/27	05/24	05/21	05/18	05/16	05/13	05/11	05/06
28	05/23	05/19	05/15	05/12	05/10	05/07	05/05	05/02	04/29
24	05/14	05/09	05/06	05/03	05/01	04/29	04/26	04/22	04/17
20	05/05	05/01	04/28	04/24	04/21	04/18	04/15	04/12	04/08
16	04/28	04/22	04/18	04/15	04/12	04/09	04/06	04/02	03/30
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	08/25	08/31	09/02	09/05	09/08	09/10	09/13	09/16	09/21
32	09/04	09/09	09/12	09/14	09/17	09/20	09/22	09/24	09/28
28	09/12	09/17	09/20	09/22	09/25	09/27	09/30	10/03	10/07
24	09/18	09/23	09/26	09/30	10/03	10/06	10/10	10/13	10/17
20	09/26	10/02	10/06	10/10	10/13	10/16	10/19	10/23	10/27
16	10/05	10/12	10/16	10/20	10/22	10/25	10/28	11/01	11/05
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	119.0	113.0	109.0	105.0	101.0	97.0	93.0	87.0	78.0
32	137.0	131.0	127.0	123.0	119.0	116.0	112.0	108.0	101.0
28	155.0	149.0	145.0	141.0	137.0	134.0	129.0	126.0	119.0
24	174.0	168.0	163.0	158.0	155.0	151.0	147.0	142.0	135.0
20	194.0	186.0	181.0	177.0	172.0	168.0	164.0	159.0	151.0
16	211.0	204.0	199.0	195.0	190.0	186.0	181.0	176.0	171.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Generated on 10/21/2024

Current Location: Elev: 1620 ft. Lat: 47.6456° N Lon: 99.6219° W
 Station: **FESSENDEN, ND US USC00322949**

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	06/02	05/30	05/27	05/24	05/22	05/20	05/17	05/14	05/10
32	05/26	05/21	05/18	05/15	05/13	05/10	05/07	05/04	04/30
28	05/17	05/12	05/08	05/05	05/02	04/30	04/28	04/24	04/19
24	05/07	05/03	04/30	04/27	04/24	04/21	04/17	04/14	04/09
20	04/30	04/25	04/20	04/17	04/15	04/12	04/08	04/05	04/01
16	04/21	04/16	04/12	04/09	04/06	04/03	04/01	03/29	03/21
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	09/06	09/11	09/14	09/17	09/20	09/22	09/24	09/27	10/01
32	09/15	09/20	09/23	09/25	09/28	09/30	10/03	10/06	10/11
28	09/24	09/28	10/01	10/04	10/06	10/09	10/12	10/16	10/21
24	10/03	10/08	10/12	10/14	10/17	10/20	10/23	10/26	10/31
20	10/13	10/18	10/21	10/24	10/26	10/29	11/01	11/04	11/09
16	10/22	10/26	10/30	11/01	11/03	11/05	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	139.0	133.0	128.0	125.0	121.0	117.0	113.0	109.0	103.0
32	155.0	150.0	146.0	142.0	139.0	135.0	131.0	126.0	119.0
28	175.0	168.0	163.0	160.0	156.0	153.0	149.0	145.0	138.0
24	194.0	187.0	182.0	177.0	174.0	170.0	166.0	161.0	156.0
20	212.0	206.0	202.0	198.0	193.0	189.0	184.0	179.0	173.0
16	231.0	224.0	219.0	215.0	211.0	208.0	204.0	199.0	192.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Generated on 10/21/2024

Current Location: Elev: 1460 ft. Lat: 47.2653° N Lon: 98.8578° W
 Station: **EDMUNDS ARROWWOOD REF, ND US USC00322536**

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	06/03	05/31	05/27	05/25	05/22	05/19	05/16	05/13	05/09
32	05/25	05/20	05/16	05/14	05/11	05/09	05/06	05/03	04/28
28	05/15	05/10	05/07	05/05	05/02	04/29	04/26	04/22	04/17
24	05/05	05/01	04/28	04/24	04/21	04/18	04/15	04/11	04/06
20	04/26	04/21	04/17	04/14	04/11	04/08	04/06	04/03	03/31
16	04/19	04/13	04/10	04/07	04/05	04/02	03/31	03/27	03/20
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	09/07	09/12	09/15	09/17	09/20	09/22	09/24	09/27	09/30
32	09/16	09/20	09/23	09/25	09/28	09/30	10/02	10/05	10/10
28	09/24	09/28	10/01	10/04	10/06	10/10	10/13	10/17	10/22
24	10/02	10/07	10/11	10/14	10/17	10/21	10/23	10/27	10/30
20	10/11	10/17	10/21	10/24	10/28	10/30	11/01	11/04	11/08
16	10/22	10/27	10/30	11/01	11/04	11/06	11/08	11/11	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	137.0	132.0	127.0	124.0	120.0	116.0	112.0	109.0	103.0
32	157.0	152.0	147.0	143.0	139.0	136.0	132.0	128.0	122.0
28	177.0	170.0	165.0	162.0	158.0	154.0	150.0	145.0	140.0
24	198.0	190.0	185.0	181.0	177.0	173.0	168.0	163.0	157.0
20	215.0	209.0	204.0	200.0	196.0	192.0	188.0	183.0	176.0
16	232.0	224.0	220.0	216.0	212.0	208.0	204.0	199.0	193.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Current Location: Elev: 2983 ft. Lat: 46.1936° N Lon: 103.3714° W
 Station: **BOWMAN, ND US USC00320995**

Generated on 10/21/2024

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	06/10	06/04	06/01	05/29	05/27	05/24	05/22	05/18	05/16
32	05/29	05/24	05/21	05/18	05/16	05/14	05/11	05/09	05/05
28	05/17	05/12	05/09	05/07	05/05	05/03	05/01	04/29	04/22
24	05/07	05/03	04/30	04/28	04/25	04/22	04/19	04/16	04/12
20	04/29	04/25	04/21	04/18	04/15	04/12	04/09	04/06	04/02
16	04/21	04/16	04/12	04/09	04/06	04/04	03/31	03/26	03/18
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	09/02	09/07	09/11	09/14	09/17	09/19	09/22	09/25	09/29
32	09/11	09/17	09/20	09/23	09/25	09/28	09/30	10/03	10/07
28	09/20	09/25	09/28	09/30	10/03	10/06	10/09	10/12	10/16
24	09/27	10/02	10/06	10/10	10/13	10/15	10/18	10/21	10/25
20	10/06	10/11	10/15	10/18	10/21	10/24	10/27	10/30	11/03
16	10/15	10/20	10/24	10/27	10/29	11/01	11/04	11/08	11/14
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	128.0	122.0	117.0	114.0	111.0	108.0	105.0	100.0	93.0
32	148.0	142.0	139.0	135.0	132.0	128.0	124.0	119.0	113.0
28	167.0	161.0	156.0	153.0	150.0	146.0	142.0	138.0	131.0
24	187.0	180.0	176.0	172.0	168.0	164.0	160.0	155.0	149.0
20	207.0	201.0	195.0	191.0	187.0	183.0	178.0	173.0	166.0
16	228.0	221.0	215.0	210.0	205.0	201.0	197.0	191.0	183.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Generated on 10/21/2024

Current Location: Elev: 1550 ft. Lat: 48.3542° N Lon: 99.9925° W
 Station: **RUGBY, ND US USC00327704**

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	06/11	06/03	05/31	05/29	05/26	05/24	05/20	05/17	05/13
32	05/31	05/26	05/23	05/20	05/17	05/14	05/11	05/08	05/03
28	05/22	05/16	05/12	05/09	05/06	05/03	05/01	04/27	04/21
24	05/10	05/05	05/02	04/30	04/26	04/23	04/18	04/15	04/09
20	05/01	04/27	04/23	04/19	04/16	04/13	04/09	04/06	04/02
16	04/23	04/17	04/13	04/11	04/07	04/04	04/02	03/30	03/24
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	08/31	09/04	09/08	09/11	09/14	09/17	09/19	09/22	09/25
32	09/11	09/15	09/18	09/21	09/23	09/25	09/28	10/01	10/05
28	09/20	09/24	09/27	09/29	10/01	10/04	10/06	10/09	10/14
24	09/28	10/01	10/04	10/07	10/10	10/13	10/16	10/20	10/24
20	10/05	10/10	10/14	10/17	10/21	10/24	10/27	10/30	11/02
16	10/12	10/19	10/23	10/27	10/29	11/01	11/03	11/06	11/11
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	127.0	120.0	116.0	112.0	108.0	104.0	99.0	93.0	84.0
32	146.0	141.0	136.0	132.0	129.0	125.0	121.0	116.0	109.0
28	165.0	158.0	154.0	150.0	147.0	143.0	140.0	135.0	129.0
24	186.0	179.0	174.0	169.0	166.0	161.0	158.0	153.0	147.0
20	204.0	198.0	194.0	189.0	185.0	181.0	177.0	170.0	163.0
16	221.0	213.0	209.0	205.0	201.0	197.0	193.0	187.0	182.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Generated on 10/21/2024

Current Location: Elev: 1615 ft. Lat: 48.7622° N Lon: 98.3447° W
 Station: **LANGDON EXP FARM, ND US USC00324958**

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	06/07	06/03	05/31	05/29	05/26	05/24	05/21	05/18	05/15
32	05/30	05/26	05/23	05/20	05/17	05/14	05/12	05/09	05/04
28	05/21	05/15	05/13	05/10	05/07	05/04	05/01	04/28	04/22
24	05/11	05/06	05/03	04/30	04/28	04/24	04/20	04/17	04/12
20	05/03	04/29	04/24	04/20	04/18	04/15	04/11	04/08	04/04
16	04/23	04/18	04/15	04/12	04/09	04/07	04/04	04/01	03/26
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	09/05	09/10	09/13	09/16	09/18	09/20	09/22	09/24	09/28
32	09/13	09/18	09/21	09/23	09/26	09/28	10/01	10/03	10/07
28	09/22	09/27	09/30	10/01	10/04	10/06	10/10	10/14	10/18
24	09/30	10/04	10/07	10/11	10/14	10/17	10/20	10/24	10/28
20	10/08	10/14	10/17	10/21	10/24	10/27	10/30	11/02	11/06
16	10/17	10/23	10/26	10/29	11/01	11/03	11/06	11/09	11/13
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	129.0	125.0	120.0	116.0	113.0	110.0	106.0	102.0	96.0
32	150.0	143.0	139.0	135.0	132.0	128.0	125.0	120.0	114.0
28	170.0	163.0	159.0	155.0	151.0	147.0	143.0	139.0	132.0
24	189.0	182.0	177.0	173.0	169.0	164.0	160.0	155.0	149.0
20	208.0	202.0	197.0	192.0	188.0	184.0	179.0	175.0	167.0
16	224.0	217.0	212.0	208.0	205.0	201.0	197.0	192.0	185.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Current Location: Elev: 2800 ft. Lat: 46.9283° N Lon: 104.0158° W
 Station: **BEACH, ND US USC00320590**

Generated on 10/21/2024

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	06/13	06/05	05/31	05/28	05/25	05/23	05/20	05/17	05/14
32	05/30	05/24	05/21	05/18	05/16	05/13	05/11	05/08	05/04
28	05/19	05/15	05/11	05/08	05/06	05/03	05/01	04/29	04/23
24	05/09	05/05	05/01	04/29	04/26	04/23	04/20	04/16	04/12
20	04/29	04/25	04/21	04/18	04/16	04/13	04/10	04/07	04/02
16	04/20	04/15	04/12	04/09	04/06	04/03	04/01	03/28	03/19
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	09/01	09/06	09/09	09/12	09/15	09/18	09/21	09/24	09/28
32	09/10	09/16	09/20	09/23	09/26	09/28	10/01	10/04	10/08
28	09/18	09/24	09/27	10/01	10/04	10/06	10/09	10/13	10/17
24	09/27	10/03	10/07	10/10	10/13	10/16	10/18	10/22	10/26
20	10/06	10/12	10/15	10/18	10/21	10/24	10/28	10/31	11/04
16	10/13	10/18	10/23	10/26	10/29	11/01	11/05	11/08	11/12
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	129.0	123.0	118.0	113.0	109.0	105.0	102.0	97.0	88.0
32	149.0	143.0	139.0	134.0	130.0	127.0	123.0	118.0	110.0
28	166.0	161.0	157.0	153.0	149.0	146.0	142.0	137.0	130.0
24	186.0	180.0	176.0	172.0	167.0	164.0	160.0	155.0	147.0
20	207.0	200.0	195.0	191.0	187.0	183.0	178.0	174.0	167.0
16	230.0	221.0	215.0	211.0	207.0	202.0	198.0	193.0	185.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Generated on 10/21/2024

Current Location: Elev: 1425 ft. Lat: 48.6147° N Lon: 100.7264° W
 Station: **UPHAM 3 N, ND US USC00328913**

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	06/02	05/30	05/27	05/25	05/22	05/19	05/17	05/15	05/11
32	05/26	05/22	05/19	05/17	05/15	05/12	05/09	05/06	05/03
28	05/18	05/14	05/11	05/08	05/05	05/03	04/30	04/27	04/21
24	05/09	05/04	05/01	04/29	04/25	04/21	04/18	04/14	04/10
20	05/01	04/26	04/21	04/18	04/14	04/11	04/08	04/05	04/02
16	04/22	04/15	04/11	04/08	04/06	04/04	04/02	03/31	03/24
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	09/03	09/07	09/10	09/13	09/15	09/18	09/21	09/23	09/27
32	09/13	09/17	09/20	09/23	09/25	09/27	09/29	10/01	10/06
28	09/21	09/25	09/27	09/29	10/01	10/04	10/07	10/10	10/14
24	09/27	10/01	10/04	10/07	10/09	10/12	10/15	10/19	10/23
20	10/04	10/09	10/13	10/16	10/18	10/21	10/24	10/27	11/01
16	10/13	10/18	10/22	10/24	10/27	10/30	11/02	11/05	11/10
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	132.0	127.0	123.0	119.0	116.0	113.0	109.0	106.0	100.0
32	148.0	143.0	139.0	135.0	132.0	129.0	125.0	121.0	115.0
28	166.0	161.0	156.0	153.0	149.0	145.0	142.0	137.0	131.0
24	185.0	179.0	174.0	170.0	166.0	162.0	158.0	153.0	148.0
20	206.0	199.0	193.0	189.0	185.0	180.0	176.0	170.0	164.0
16	222.0	215.0	210.0	205.0	201.0	197.0	193.0	187.0	179.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Current Location: Elev: 1833 ft. Lat: 48.8811° N Lon: 99.5861° W
 Station: **ROLLA 1NE, ND US USC00327664**

Generated on 10/21/2024

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	06/10	06/05	06/02	05/31	05/29	05/26	05/24	05/21	05/18
32	05/31	05/28	05/25	05/22	05/20	05/18	05/15	05/13	05/08
28	05/24	05/19	05/16	05/13	05/11	05/08	05/05	05/03	04/30
24	05/16	05/11	05/06	05/04	05/01	04/30	04/25	04/21	04/16
20	05/06	05/02	04/30	04/26	04/22	04/19	04/16	04/13	04/08
16	04/30	04/24	04/19	04/16	04/14	04/11	04/08	04/05	04/02
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	09/05	09/10	09/13	09/16	09/18	09/20	09/22	09/25	09/28
32	09/14	09/19	09/21	09/24	09/26	09/28	09/30	10/02	10/08
28	09/21	09/26	09/28	10/01	10/03	10/06	10/10	10/13	10/18
24	09/29	10/03	10/07	10/10	10/13	10/16	10/19	10/22	10/27
20	10/08	10/13	10/16	10/19	10/23	10/25	10/28	11/01	11/06
16	10/16	10/21	10/25	10/29	11/01	11/03	11/06	11/09	11/14
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	128.0	122.0	118.0	114.0	111.0	107.0	103.0	99.0	93.0
32	145.0	139.0	135.0	132.0	128.0	125.0	121.0	116.0	111.0
28	163.0	158.0	153.0	150.0	146.0	143.0	139.0	134.0	128.0
24	182.0	176.0	172.0	166.0	163.0	160.0	156.0	151.0	144.0
20	201.0	194.0	189.0	185.0	182.0	177.0	173.0	167.0	161.0
16	217.0	211.0	206.0	202.0	198.0	194.0	190.0	184.0	176.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Current Location: Elev: 1180 ft. Lat: 47.2428° N Lon: 97.6561° W
 Station: **COLGATE, ND US USC00321686**

Generated on 10/21/2024

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	06/03	05/29	05/26	05/23	05/20	05/18	05/16	05/12	05/09
32	05/25	05/20	05/16	05/14	05/10	05/08	05/06	05/03	04/30
28	05/15	05/11	05/07	05/05	05/03	05/01	04/29	04/25	04/19
24	05/07	05/03	04/30	04/27	04/24	04/21	04/18	04/14	04/09
20	04/30	04/24	04/21	04/17	04/14	04/11	04/09	04/06	04/02
16	04/21	04/16	04/12	04/09	04/07	04/05	04/02	03/31	03/23
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	09/02	09/07	09/11	09/13	09/15	09/17	09/19	09/22	09/25
32	09/13	09/17	09/19	09/21	09/24	09/26	09/28	10/01	10/05
28	09/21	09/26	09/28	10/01	10/04	10/06	10/09	10/12	10/17
24	09/30	10/04	10/07	10/11	10/14	10/17	10/21	10/24	10/28
20	10/08	10/14	10/18	10/22	10/25	10/27	10/30	11/01	11/06
16	10/18	10/24	10/28	10/31	11/01	11/04	11/06	11/09	11/13
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	132.0	127.0	123.0	119.0	116.0	113.0	109.0	105.0	100.0
32	151.0	146.0	142.0	139.0	136.0	132.0	128.0	124.0	118.0
28	170.0	164.0	160.0	156.0	153.0	149.0	146.0	143.0	135.0
24	191.0	185.0	180.0	176.0	172.0	168.0	164.0	160.0	153.0
20	211.0	204.0	199.0	195.0	191.0	187.0	183.0	177.0	170.0
16	226.0	219.0	215.0	211.0	208.0	204.0	200.0	196.0	190.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Generated on 10/21/2024

Current Location: Elev: 830 ft. Lat: 47.9217° N Lon: 97.0975° W
 Station: **GRAND FORKS UNIV (NWS), ND US USC00323621**

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	06/01	05/29	05/26	05/23	05/19	05/17	05/14	05/12	05/07
32	05/24	05/19	05/16	05/12	05/10	05/07	05/04	05/01	04/28
28	05/14	05/09	05/05	05/02	04/30	04/28	04/24	04/21	04/16
24	05/05	04/30	04/27	04/24	04/21	04/18	04/15	04/11	04/06
20	04/25	04/21	04/16	04/13	04/10	04/07	04/05	04/02	03/29
16	04/17	04/13	04/09	04/06	04/03	04/01	03/30	03/25	03/20
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	09/10	09/15	09/18	09/21	09/23	09/25	09/27	09/30	10/03
32	09/20	09/24	09/26	09/29	10/01	10/03	10/06	10/10	10/15
28	09/29	10/02	10/05	10/09	10/12	10/15	10/18	10/20	10/25
24	10/07	10/12	10/16	10/19	10/22	10/24	10/27	10/30	11/02
20	10/15	10/21	10/25	10/27	10/30	11/01	11/04	11/07	11/11
16	10/25	10/29	11/01	11/04	11/07	11/09	11/12	11/15	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	143.0	136.0	132.0	128.0	125.0	121.0	117.0	112.0	105.0
32	161.0	156.0	151.0	147.0	144.0	140.0	136.0	131.0	126.0
28	182.0	175.0	170.0	167.0	163.0	159.0	154.0	149.0	143.0
24	202.0	195.0	190.0	187.0	182.0	178.0	173.0	169.0	161.0
20	221.0	214.0	209.0	205.0	201.0	197.0	193.0	188.0	182.0
16	236.0	229.0	224.0	220.0	216.0	212.0	209.0	204.0	197.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Current Location: Elev: 1473 ft. Lat: 48.6061° N Lon: 100.2911° W
 Station: **WILLOW CITY, ND US USC00329445**

Generated on 10/21/2024

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	06/14	06/08	06/04	06/02	05/31	05/28	05/26	05/22	05/19
32	06/01	05/29	05/26	05/23	05/21	05/19	05/17	05/14	05/11
28	05/24	05/21	05/17	05/15	05/13	05/10	05/08	05/04	04/30
24	05/17	05/13	05/10	05/06	05/04	05/01	04/29	04/24	04/17
20	05/10	05/04	05/01	04/27	04/24	04/20	04/16	04/12	04/06
16	04/30	04/23	04/18	04/14	04/11	04/08	04/06	04/03	03/28
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	08/21	08/30	09/02	09/06	09/09	09/12	09/14	09/17	09/21
32	09/05	09/11	09/14	09/17	09/20	09/22	09/24	09/26	10/01
28	09/15	09/20	09/23	09/25	09/27	09/30	10/01	10/04	10/09
24	09/24	09/27	09/30	10/02	10/05	10/08	10/11	10/14	10/19
20	10/01	10/05	10/09	10/13	10/16	10/18	10/22	10/25	10/30
16	10/11	10/16	10/20	10/23	10/26	10/29	10/31	11/03	11/07
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	117.0	111.0	106.0	102.0	98.0	94.0	89.0	83.0	74.0
32	136.0	130.0	126.0	122.0	119.0	116.0	112.0	108.0	102.0
28	153.0	147.0	142.0	138.0	135.0	131.0	127.0	124.0	117.0
24	174.0	167.0	162.0	158.0	153.0	150.0	146.0	140.0	133.0
20	198.0	190.0	184.0	179.0	174.0	170.0	165.0	160.0	152.0
16	215.0	209.0	204.0	199.0	195.0	191.0	186.0	181.0	173.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Generated on 10/21/2024

Current Location: Elev: 1532 ft. Lat: 48.0356° N Lon: 98.0097° W
 Station: **PETERSBURG 2 N, ND US USC00327027**

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	06/02	05/30	05/26	05/24	05/21	05/18	05/16	05/13	05/09
32	05/25	05/20	05/17	05/14	05/11	05/08	05/05	05/03	04/29
28	05/16	05/11	05/07	05/04	05/02	04/30	04/27	04/23	04/19
24	05/07	05/02	04/30	04/27	04/24	04/21	04/18	04/15	04/10
20	04/29	04/24	04/21	04/18	04/15	04/12	04/09	04/06	04/03
16	04/22	04/17	04/14	04/10	04/08	04/05	04/03	03/31	03/26
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	09/07	09/12	09/15	09/18	09/20	09/22	09/24	09/27	10/01
32	09/16	09/21	09/23	09/26	09/28	09/30	10/03	10/06	10/10
28	09/25	09/28	10/01	10/04	10/07	10/10	10/13	10/17	10/21
24	10/01	10/06	10/11	10/14	10/17	10/21	10/24	10/27	10/30
20	10/13	10/17	10/21	10/25	10/28	10/30	11/01	11/05	11/08
16	10/21	10/26	10/30	11/01	11/04	11/06	11/08	11/11	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	137.0	132.0	128.0	124.0	120.0	117.0	114.0	109.0	101.0
32	155.0	150.0	145.0	141.0	138.0	134.0	130.0	125.0	119.0
28	176.0	169.0	164.0	160.0	156.0	152.0	148.0	144.0	137.0
24	194.0	187.0	183.0	179.0	176.0	172.0	167.0	162.0	155.0
20	213.0	207.0	202.0	197.0	193.0	189.0	186.0	180.0	173.0
16	226.0	219.0	214.0	211.0	207.0	203.0	199.0	195.0	189.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Current Location: Elev: 1502 ft. Lat: 48.9097° N Lon: 101.0192° W
 Station: **WESTHOPE, ND US USC00329333**

Generated on 10/21/2024

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	06/02	05/30	05/27	05/25	05/22	05/20	05/18	05/15	05/11
32	05/26	05/22	05/19	05/16	05/14	05/12	05/10	05/06	05/03
28	05/17	05/14	05/10	05/07	05/05	05/03	04/30	04/25	04/20
24	05/09	05/04	05/01	04/28	04/24	04/21	04/18	04/14	04/10
20	04/30	04/24	04/20	04/17	04/15	04/12	04/10	04/06	04/02
16	04/21	04/16	04/12	04/09	04/07	04/04	04/02	03/30	03/23
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	09/07	09/11	09/14	09/16	09/18	09/21	09/23	09/25	09/28
32	09/13	09/18	09/21	09/23	09/25	09/28	09/30	10/03	10/07
28	09/21	09/25	09/28	10/01	10/03	10/05	10/08	10/11	10/15
24	09/30	10/03	10/06	10/09	10/12	10/14	10/17	10/21	10/26
20	10/06	10/12	10/15	10/18	10/21	10/24	10/26	10/30	11/03
16	10/14	10/19	10/23	10/26	10/29	11/01	11/04	11/08	11/12
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	133.0	128.0	125.0	121.0	118.0	115.0	111.0	107.0	101.0
32	150.0	145.0	140.0	137.0	133.0	130.0	127.0	122.0	117.0
28	169.0	164.0	158.0	154.0	150.0	147.0	144.0	139.0	132.0
24	191.0	183.0	178.0	174.0	170.0	166.0	162.0	157.0	151.0
20	209.0	202.0	196.0	192.0	188.0	184.0	180.0	175.0	169.0
16	225.0	218.0	212.0	208.0	204.0	201.0	196.0	192.0	184.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Current Location: Elev: 2188 ft. Lat: 47.1603° N Lon: 100.7892° W
 Station: **WILTON, ND US USC00329455**

Generated on 10/21/2024

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	06/02	05/29	05/26	05/23	05/20	05/18	05/14	05/12	05/07
32	05/25	05/20	05/16	05/13	05/11	05/08	05/06	05/03	04/30
28	05/14	05/09	05/06	05/03	05/01	04/29	04/26	04/22	04/18
24	05/04	05/01	04/28	04/24	04/22	04/19	04/16	04/13	04/09
20	04/27	04/22	04/18	04/16	04/13	04/10	04/08	04/05	04/01
16	04/19	04/15	04/11	04/09	04/06	04/04	04/01	03/29	03/22
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	09/10	09/14	09/17	09/19	09/22	09/25	09/27	09/30	10/04
32	09/17	09/22	09/25	09/27	09/30	10/02	10/05	10/08	10/12
28	09/25	09/30	10/03	10/06	10/09	10/12	10/14	10/17	10/21
24	10/03	10/08	10/11	10/14	10/17	10/20	10/23	10/26	10/30
20	10/12	10/16	10/20	10/23	10/26	10/29	11/01	11/04	11/09
16	10/19	10/25	10/28	10/31	11/02	11/05	11/09	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	141.0	135.0	131.0	127.0	124.0	120.0	115.0	110.0	104.0
32	159.0	153.0	149.0	146.0	142.0	138.0	134.0	129.0	122.0
28	178.0	171.0	167.0	162.0	159.0	156.0	152.0	148.0	141.0
24	196.0	189.0	185.0	181.0	177.0	173.0	169.0	164.0	157.0
20	211.0	206.0	201.0	198.0	194.0	191.0	186.0	181.0	174.0
16	229.0	221.0	217.0	213.0	209.0	205.0	201.0	196.0	190.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Generated on 10/21/2024

Current Location: Elev: 1853 ft. Lat: 46.8947° N Lon: 99.9483° W
 Station: **STEELE 4N, ND US USC00328366**

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	06/07	06/02	05/30	05/27	05/25	05/22	05/20	05/17	05/13
32	05/28	05/24	05/20	05/17	05/15	05/12	05/10	05/07	05/04
28	05/19	05/13	05/10	05/07	05/05	05/03	05/01	04/28	04/22
24	05/09	05/05	05/02	04/30	04/28	04/24	04/20	04/16	04/11
20	05/02	04/28	04/23	04/20	04/17	04/13	04/10	04/07	04/03
16	04/24	04/18	04/14	04/11	04/08	04/05	04/03	03/31	03/24
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	09/03	09/08	09/11	09/14	09/17	09/19	09/22	09/25	09/29
32	09/12	09/18	09/20	09/23	09/25	09/28	09/30	10/03	10/08
28	09/22	09/26	09/30	10/03	10/05	10/08	10/12	10/15	10/19
24	09/30	10/05	10/08	10/12	10/15	10/18	10/21	10/24	10/28
20	10/08	10/14	10/18	10/21	10/24	10/26	10/30	11/01	11/06
16	10/17	10/23	10/26	10/30	11/01	11/04	11/06	11/09	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	130.0	125.0	121.0	118.0	114.0	111.0	107.0	103.0	96.0
32	151.0	144.0	141.0	137.0	133.0	129.0	125.0	120.0	114.0
28	170.0	163.0	159.0	155.0	151.0	148.0	144.0	139.0	132.0
24	190.0	184.0	179.0	174.0	170.0	166.0	162.0	157.0	151.0
20	208.0	202.0	198.0	194.0	190.0	185.0	181.0	176.0	170.0
16	227.0	219.0	215.0	210.0	206.0	202.0	198.0	193.0	185.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Generated on 10/21/2024

Current Location: Elev: 2350 ft. Lat: 48.9081° N Lon: 103.8056° W
 Station: **FORTUNA 1 W, ND US USC00323196**

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	06/14	06/06	06/03	05/31	05/29	05/26	05/24	05/22	05/18
32	05/31	05/27	05/24	05/22	05/19	05/17	05/15	05/11	05/08
28	05/22	05/17	05/15	05/12	05/10	05/07	05/05	05/02	04/28
24	05/13	05/09	05/06	05/03	05/01	04/29	04/25	04/21	04/16
20	05/03	04/30	04/27	04/24	04/20	04/17	04/14	04/11	04/06
16	04/26	04/21	04/17	04/14	04/11	04/08	04/06	04/02	03/29
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	08/25	08/31	09/02	09/05	09/08	09/11	09/13	09/16	09/20
32	09/04	09/09	09/12	09/15	09/17	09/19	09/22	09/25	09/28
28	09/13	09/18	09/21	09/24	09/26	09/28	09/30	10/03	10/08
24	09/22	09/26	09/30	10/02	10/05	10/08	10/10	10/14	10/18
20	10/01	10/05	10/08	10/12	10/15	10/18	10/21	10/24	10/29
16	10/08	10/14	10/17	10/21	10/24	10/27	10/30	11/01	11/07
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	117.0	112.0	108.0	104.0	100.0	97.0	93.0	89.0	81.0
32	136.0	131.0	127.0	124.0	121.0	118.0	114.0	110.0	104.0
28	155.0	148.0	144.0	141.0	138.0	135.0	131.0	127.0	121.0
24	176.0	168.0	164.0	160.0	156.0	152.0	148.0	143.0	138.0
20	196.0	189.0	184.0	180.0	176.0	172.0	168.0	164.0	156.0
16	215.0	209.0	204.0	199.0	195.0	191.0	187.0	182.0	176.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Generated on 10/21/2024

Current Location: Elev: 1539 ft. Lat: 48.4583° N Lon: 98.5169° W
 Station: **EDMORE 4NW, ND US USC00322525**

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	06/10	06/04	06/01	05/30	05/26	05/23	05/20	05/16	05/13
32	05/31	05/25	05/21	05/18	05/15	05/12	05/10	05/07	05/04
28	05/17	05/13	05/09	05/06	05/04	05/02	04/30	04/27	04/21
24	05/08	05/04	05/01	04/30	04/27	04/23	04/20	04/17	04/11
20	05/01	04/27	04/23	04/19	04/16	04/13	04/11	04/07	04/04
16	04/22	04/17	04/14	04/11	04/09	04/07	04/04	04/02	03/28
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	09/01	09/06	09/10	09/12	09/15	09/17	09/19	09/21	09/25
32	09/11	09/15	09/18	09/21	09/22	09/24	09/27	09/29	10/03
28	09/20	09/25	09/27	09/29	10/01	10/03	10/06	10/09	10/14
24	09/28	10/01	10/04	10/07	10/10	10/13	10/16	10/20	10/25
20	10/03	10/09	10/12	10/16	10/19	10/23	10/26	10/30	11/02
16	10/13	10/19	10/23	10/27	10/30	11/01	11/03	11/06	11/12
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	125.0	120.0	115.0	111.0	108.0	104.0	101.0	96.0	90.0
32	145.0	139.0	135.0	131.0	128.0	124.0	120.0	116.0	110.0
28	166.0	160.0	155.0	151.0	147.0	144.0	141.0	136.0	129.0
24	184.0	178.0	173.0	169.0	166.0	162.0	158.0	153.0	146.0
20	202.0	197.0	192.0	187.0	183.0	180.0	175.0	169.0	162.0
16	219.0	213.0	208.0	204.0	201.0	197.0	193.0	188.0	181.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Generated on 10/21/2024

Current Location: Elev: 1632 ft. Lat: 48.1583° N Lon: 99.8286° W
 Station: **ESMOND 9 NNW, ND US USC00322768**

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	06/01	05/29	05/25	05/23	05/20	05/18	05/15	05/12	05/09
32	05/23	05/19	05/16	05/13	05/11	05/09	05/07	05/04	04/30
28	05/15	05/11	05/08	05/05	05/03	05/01	04/28	04/24	04/19
24	05/06	05/02	04/30	04/27	04/24	04/21	04/18	04/15	04/10
20	04/30	04/25	04/22	04/19	04/16	04/13	04/10	04/07	04/03
16	04/22	04/17	04/13	04/10	04/08	04/05	04/03	04/01	03/25
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	09/08	09/13	09/16	09/19	09/21	09/23	09/25	09/27	10/01
32	09/18	09/22	09/24	09/26	09/28	09/30	10/02	10/06	10/10
28	09/25	09/28	10/01	10/03	10/06	10/09	10/12	10/15	10/19
24	10/02	10/06	10/10	10/13	10/16	10/19	10/21	10/24	10/28
20	10/11	10/16	10/19	10/22	10/25	10/28	10/30	11/03	11/08
16	10/20	10/25	10/28	10/31	11/01	11/05	11/07	11/11	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	137.0	132.0	128.0	125.0	121.0	118.0	115.0	111.0	104.0
32	155.0	149.0	145.0	142.0	138.0	135.0	131.0	127.0	120.0
28	173.0	168.0	162.0	159.0	155.0	152.0	147.0	142.0	136.0
24	192.0	185.0	181.0	177.0	173.0	170.0	166.0	161.0	154.0
20	211.0	203.0	198.0	195.0	190.0	186.0	182.0	178.0	171.0
16	227.0	220.0	215.0	210.0	207.0	203.0	198.0	194.0	187.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Generated on 10/21/2024

Current Location: Elev: 1675 ft. Lat: 48.4583° N Lon: 101.5697° W
 Station: **FOXHOLM 7 N, ND US USC00323217**

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	06/12	05/31	05/27	05/23	05/20	05/17	05/14	05/10	05/06
32	05/29	05/22	05/17	05/14	05/11	05/08	05/05	05/02	04/28
28	05/20	05/13	05/08	05/05	05/02	04/30	04/27	04/23	04/17
24	05/08	05/02	04/29	04/26	04/22	04/19	04/16	04/13	04/09
20	04/29	04/24	04/19	04/16	04/13	04/10	04/07	04/04	04/01
16	04/20	04/14	04/11	04/07	04/05	04/03	04/01	03/29	03/21
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	09/04	09/10	09/14	09/17	09/20	09/23	09/25	09/28	10/02
32	09/13	09/19	09/23	09/26	09/29	10/01	10/04	10/07	10/13
28	09/21	09/28	10/01	10/04	10/07	10/10	10/14	10/18	10/23
24	10/01	10/06	10/11	10/15	10/18	10/21	10/25	10/29	11/02
20	10/11	10/18	10/21	10/25	10/28	10/30	11/01	11/05	11/09
16	10/23	10/28	10/31	11/02	11/04	11/06	11/09	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	141.0	134.0	130.0	126.0	122.0	117.0	112.0	105.0	94.0
32	158.0	152.0	147.0	143.0	138.0	134.0	130.0	124.0	115.0
28	178.0	171.0	166.0	162.0	157.0	153.0	149.0	143.0	134.0
24	198.0	191.0	186.0	181.0	177.0	173.0	168.0	162.0	153.0
20	216.0	209.0	204.0	200.0	196.0	192.0	188.0	182.0	172.0
16	232.0	225.0	220.0	216.0	212.0	208.0	204.0	199.0	191.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Current Location: Elev: 899 ft. Lat: 48.8625° N Lon: 97.7014° W
 Station: **CAVALIER 7NW, ND US USC00321435**

Generated on 10/21/2024

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	06/03	05/31	05/28	05/25	05/22	05/19	05/16	05/13	05/09
32	05/27	05/21	05/17	05/15	05/12	05/09	05/06	05/04	04/29
28	05/17	05/12	05/08	05/05	05/02	04/30	04/27	04/22	04/17
24	05/06	05/01	04/29	04/26	04/22	04/19	04/16	04/12	04/06
20	04/26	04/21	04/18	04/15	04/12	04/09	04/06	04/03	03/30
16	04/19	04/14	04/10	04/07	04/05	04/03	04/01	03/28	03/21
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	09/08	09/13	09/16	09/18	09/21	09/23	09/26	09/29	10/03
32	09/17	09/21	09/25	09/28	09/30	10/02	10/05	10/09	10/13
28	09/27	10/01	10/03	10/06	10/10	10/13	10/16	10/19	10/23
24	10/04	10/11	10/14	10/18	10/21	10/24	10/27	10/30	11/02
20	10/15	10/20	10/24	10/27	10/30	11/01	11/03	11/06	11/11
16	10/24	10/28	11/01	11/02	11/05	11/07	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	139.0	133.0	128.0	125.0	121.0	117.0	114.0	110.0	103.0
32	157.0	151.0	147.0	143.0	139.0	136.0	131.0	127.0	121.0
28	179.0	172.0	167.0	162.0	158.0	155.0	151.0	146.0	140.0
24	201.0	194.0	188.0	183.0	179.0	175.0	170.0	166.0	158.0
20	218.0	211.0	207.0	203.0	199.0	195.0	191.0	186.0	179.0
16	231.0	225.0	220.0	216.0	212.0	209.0	205.0	200.0	194.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Current Location: Elev: 2110 ft. Lat: 47.8214° N Lon: 101.2922° W
 Station: **MAX, ND US USC00325638**

Generated on 10/21/2024

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	06/01	05/28	05/24	05/22	05/19	05/17	05/14	05/12	05/07
32	05/25	05/19	05/16	05/13	05/10	05/08	05/05	05/03	04/29
28	05/15	05/09	05/06	05/04	05/02	04/30	04/25	04/21	04/15
24	05/05	05/01	04/29	04/24	04/21	04/17	04/14	04/11	04/07
20	04/28	04/22	04/18	04/15	04/12	04/10	04/07	04/04	04/01
16	04/19	04/14	04/11	04/08	04/06	04/03	04/01	03/29	03/21
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	09/10	09/14	09/17	09/19	09/22	09/24	09/26	09/29	10/02
32	09/15	09/20	09/23	09/26	09/28	10/01	10/03	10/06	10/11
28	09/23	09/28	10/01	10/03	10/06	10/09	10/12	10/15	10/20
24	10/01	10/06	10/09	10/13	10/16	10/19	10/22	10/25	10/31
20	10/10	10/15	10/19	10/22	10/25	10/28	10/31	11/03	11/07
16	10/17	10/23	10/27	10/30	11/01	11/04	11/07	11/11	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	141.0	136.0	132.0	129.0	125.0	122.0	118.0	114.0	108.0
32	160.0	152.0	148.0	145.0	141.0	138.0	135.0	131.0	123.0
28	179.0	173.0	167.0	163.0	158.0	155.0	150.0	146.0	140.0
24	197.0	191.0	187.0	182.0	178.0	174.0	169.0	164.0	156.0
20	215.0	208.0	203.0	199.0	195.0	191.0	187.0	182.0	175.0
16	230.0	222.0	217.0	213.0	209.0	205.0	200.0	195.0	189.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Generated on 10/21/2024

Current Location: Elev: 1960 ft. Lat: 48.8411° N Lon: 99.7514° W
 Station: **BELCOURT KEYA RADIO, ND US USC00320626**

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	06/21	06/10	06/05	06/01	05/30	05/27	05/23	05/20	05/16
32	06/01	05/28	05/25	05/21	05/19	05/16	05/14	05/10	05/05
28	05/24	05/19	05/15	05/12	05/09	05/06	05/04	05/01	04/28
24	05/17	05/10	05/06	05/04	05/01	04/30	04/26	04/22	04/16
20	05/07	05/02	04/30	04/26	04/23	04/19	04/16	04/13	04/09
16	04/30	04/23	04/20	04/17	04/14	04/11	04/08	04/05	04/01
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	09/01	09/05	09/09	09/12	09/14	09/17	09/20	09/23	09/27
32	09/10	09/14	09/18	09/21	09/24	09/26	09/28	10/01	10/05
28	09/18	09/24	09/27	09/29	10/02	10/04	10/07	10/11	10/16
24	09/28	10/01	10/04	10/08	10/11	10/14	10/17	10/20	10/24
20	10/05	10/10	10/14	10/17	10/20	10/23	10/27	10/30	11/03
16	10/13	10/19	10/23	10/27	10/30	11/01	11/03	11/07	11/11
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	125.0	119.0	113.0	109.0	104.0	99.0	95.0	89.0	78.0
32	143.0	138.0	134.0	130.0	126.0	122.0	117.0	112.0	105.0
28	163.0	157.0	152.0	148.0	143.0	140.0	136.0	131.0	125.0
24	182.0	175.0	169.0	164.0	160.0	155.0	151.0	146.0	139.0
20	200.0	193.0	187.0	183.0	179.0	175.0	170.0	164.0	155.0
16	217.0	210.0	205.0	201.0	196.0	192.0	187.0	182.0	175.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Generated on 10/21/2024

Current Location: Elev: 1750 ft. Lat: 46.8128° N Lon: 100.9097° W
 Station: **MANDAN EXP STN, ND US USC00325479**

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	06/04	05/31	05/28	05/25	05/23	05/20	05/17	05/14	05/10
32	05/26	05/21	05/18	05/15	05/13	05/10	05/07	05/04	05/01
28	05/17	05/13	05/09	05/06	05/03	04/30	04/28	04/24	04/19
24	05/07	05/02	04/29	04/26	04/23	04/20	04/17	04/13	04/09
20	04/28	04/23	04/19	04/17	04/14	04/11	04/08	04/06	04/02
16	04/20	04/15	04/11	04/08	04/06	04/03	04/01	03/28	03/20
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	09/06	09/10	09/14	09/16	09/19	09/21	09/24	09/26	10/01
32	09/15	09/20	09/23	09/25	09/27	09/30	10/02	10/05	10/10
28	09/23	09/27	09/30	10/02	10/04	10/07	10/10	10/14	10/19
24	09/30	10/04	10/07	10/11	10/14	10/17	10/20	10/23	10/27
20	10/07	10/13	10/18	10/21	10/24	10/27	10/30	11/01	11/07
16	10/19	10/24	10/28	10/31	11/02	11/05	11/08	11/11	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	136.0	130.0	126.0	122.0	119.0	115.0	111.0	106.0	101.0
32	154.0	148.0	144.0	140.0	136.0	133.0	129.0	124.0	118.0
28	173.0	166.0	162.0	158.0	154.0	150.0	146.0	141.0	135.0
24	192.0	186.0	181.0	177.0	173.0	168.0	164.0	159.0	151.0
20	211.0	204.0	199.0	196.0	192.0	188.0	184.0	179.0	172.0
16	230.0	224.0	218.0	214.0	209.0	205.0	200.0	196.0	189.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Generated on 10/21/2024

Current Location: Elev: 1075 ft. Lat: 46.3911° N Lon: 97.2392° W
 Station: **MC LEOD 3 E, ND US USC00325754**

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	05/28	05/24	05/21	05/18	05/16	05/13	05/11	05/07	05/03
32	05/19	05/15	05/11	05/09	05/06	05/03	05/01	04/28	04/24
28	05/11	05/06	05/03	05/01	04/29	04/25	04/22	04/19	04/14
24	05/02	04/29	04/25	04/22	04/18	04/16	04/13	04/10	04/05
20	04/23	04/19	04/15	04/12	04/09	04/07	04/04	04/02	03/29
16	04/16	04/11	04/08	04/05	04/02	04/01	03/29	03/24	03/17
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	09/10	09/14	09/17	09/19	09/21	09/23	09/25	09/28	10/02
32	09/18	09/22	09/25	09/27	09/29	10/01	10/04	10/06	10/11
28	09/25	09/30	10/03	10/05	10/08	10/10	10/13	10/17	10/21
24	10/04	10/09	10/12	10/15	10/18	10/20	10/23	10/27	11/01
20	10/12	10/18	10/22	10/25	10/28	10/31	11/02	11/05	11/10
16	10/23	10/29	11/01	11/03	11/05	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	145.0	139.0	135.0	131.0	128.0	125.0	121.0	116.0	110.0
32	162.0	156.0	152.0	149.0	145.0	142.0	138.0	133.0	127.0
28	181.0	175.0	170.0	166.0	161.0	158.0	155.0	150.0	144.0
24	202.0	194.0	190.0	186.0	182.0	178.0	174.0	169.0	162.0
20	219.0	212.0	208.0	204.0	199.0	196.0	192.0	188.0	181.0
16	237.0	230.0	225.0	220.0	216.0	213.0	209.0	204.0	196.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Generated on 10/21/2024

Current Location: Elev: 1623 ft. Lat: 46.3692° N Lon: 98.7669° W
 Station: **EDGELEY 3WNW, ND US USC00322482**

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	05/29	05/24	05/21	05/18	05/16	05/14	05/11	05/08	05/05
32	05/20	05/16	05/13	05/09	05/07	05/04	05/02	04/29	04/24
28	05/13	05/08	05/04	05/01	04/28	04/25	04/21	04/17	04/12
24	05/03	04/28	04/24	04/20	04/17	04/14	04/12	04/08	04/05
20	04/25	04/19	04/15	04/12	04/09	04/07	04/05	04/02	03/27
16	04/16	04/12	04/08	04/05	04/03	04/01	03/29	03/23	03/16
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	09/12	09/16	09/19	09/22	09/24	09/26	09/28	10/01	10/05
32	09/21	09/25	09/28	09/30	10/02	10/05	10/08	10/11	10/16
28	09/29	10/02	10/05	10/08	10/12	10/15	10/17	10/21	10/25
24	10/08	10/13	10/16	10/19	10/22	10/25	10/29	11/01	11/05
20	10/16	10/21	10/25	10/28	10/31	11/02	11/05	11/08	11/12
16	10/26	10/31	11/02	11/05	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	147.0	142.0	138.0	134.0	131.0	128.0	124.0	120.0	114.0
32	166.0	159.0	156.0	152.0	148.0	145.0	141.0	137.0	131.0
28	187.0	179.0	174.0	170.0	166.0	162.0	158.0	154.0	147.0
24	206.0	200.0	195.0	190.0	186.0	182.0	178.0	173.0	167.0
20	224.0	216.0	210.0	206.0	203.0	199.0	196.0	190.0	182.0
16	240.0	233.0	228.0	223.0	219.0	215.0	210.0	205.0	200.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Current Location: Elev: 1530 ft. Lat: 48.2881° N Lon: 99.4317° W
 Station: **LEEDS, ND US USC00325078**

Generated on 10/21/2024

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	06/04	06/01	05/29	05/26	05/24	05/21	05/18	05/15	05/12
32	05/27	05/23	05/20	05/17	05/15	05/13	05/10	05/07	05/03
28	05/19	05/14	05/11	05/08	05/06	05/03	05/01	04/28	04/21
24	05/11	05/06	05/03	04/30	04/28	04/24	04/20	04/16	04/12
20	05/02	04/29	04/24	04/19	04/16	04/14	04/11	04/08	04/03
16	04/21	04/16	04/13	04/11	04/08	04/06	04/04	04/01	03/27
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	09/04	09/09	09/13	09/15	09/18	09/21	09/23	09/25	09/29
32	09/14	09/19	09/22	09/24	09/27	09/29	10/01	10/04	10/07
28	09/22	09/27	09/30	10/02	10/04	10/07	10/10	10/13	10/18
24	10/01	10/04	10/07	10/11	10/14	10/17	10/20	10/22	10/27
20	10/10	10/14	10/18	10/21	10/24	10/27	10/30	11/01	11/06
16	10/19	10/24	10/27	10/30	11/01	11/03	11/06	11/09	11/13
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	132.0	127.0	122.0	119.0	116.0	112.0	109.0	104.0	98.0
32	150.0	144.0	139.0	136.0	133.0	129.0	125.0	120.0	114.0
28	169.0	163.0	158.0	155.0	151.0	147.0	144.0	140.0	133.0
24	190.0	183.0	177.0	173.0	169.0	166.0	161.0	157.0	150.0
20	209.0	202.0	197.0	192.0	188.0	184.0	179.0	175.0	168.0
16	224.0	217.0	213.0	209.0	206.0	202.0	197.0	192.0	186.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Generated on 10/21/2024

Current Location: Elev: 2187 ft. Lat: 47.3467° N Lon: 102.5869° W
 Station: **DUNN CTR 1E, ND US USC00322365**

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	06/17	06/09	06/04	06/01	05/29	05/27	05/25	05/21	05/17
32	06/01	05/28	05/25	05/23	05/20	05/17	05/14	05/11	05/07
28	05/24	05/18	05/14	05/12	05/09	05/06	05/04	05/01	04/27
24	05/13	05/08	05/05	05/02	04/30	04/27	04/24	04/20	04/16
20	05/05	05/01	04/27	04/23	04/19	04/17	04/14	04/11	04/06
16	04/25	04/20	04/16	04/13	04/10	04/08	04/05	04/02	03/30
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	08/27	09/02	09/06	09/10	09/13	09/15	09/19	09/21	09/25
32	09/07	09/13	09/16	09/19	09/21	09/24	09/27	09/30	10/03
28	09/16	09/21	09/23	09/27	09/30	10/02	10/05	10/08	10/13
24	09/22	09/29	10/02	10/05	10/08	10/11	10/13	10/17	10/21
20	10/02	10/07	10/11	10/14	10/17	10/20	10/23	10/26	10/30
16	10/10	10/16	10/20	10/24	10/26	10/29	11/01	11/04	11/08
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	123.0	117.0	113.0	108.0	104.0	100.0	95.0	89.0	77.0
32	143.0	136.0	132.0	128.0	125.0	121.0	116.0	111.0	105.0
28	161.0	154.0	151.0	146.0	143.0	139.0	135.0	130.0	124.0
24	180.0	174.0	169.0	165.0	160.0	157.0	153.0	149.0	143.0
20	197.0	191.0	186.0	183.0	179.0	175.0	170.0	165.0	157.0
16	215.0	208.0	204.0	200.0	196.0	193.0	188.0	183.0	176.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Generated on 10/21/2024

Current Location: Elev: 1769 ft. Lat: 48.1803° N Lon: 101.2964° W
 Station: **MINOT EXP STN, ND US USC00325993**

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	06/03	05/30	05/27	05/24	05/22	05/19	05/17	05/13	05/10
32	05/26	05/21	05/18	05/15	05/13	05/10	05/07	05/04	05/01
28	05/16	05/12	05/09	05/06	05/03	05/01	04/29	04/23	04/18
24	05/08	05/03	04/30	04/27	04/23	04/20	04/17	04/13	04/09
20	04/30	04/24	04/20	04/17	04/14	04/11	04/08	04/05	04/01
16	04/20	04/16	04/12	04/09	04/06	04/04	04/02	03/31	03/22
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	09/05	09/11	09/14	09/17	09/20	09/22	09/24	09/27	10/01
32	09/14	09/19	09/22	09/25	09/27	09/29	10/02	10/05	10/09
28	09/22	09/26	09/30	10/02	10/05	10/08	10/11	10/14	10/18
24	10/01	10/04	10/08	10/12	10/14	10/17	10/20	10/24	10/29
20	10/08	10/13	10/17	10/21	10/23	10/26	10/29	11/01	11/05
16	10/15	10/21	10/25	10/28	10/31	11/02	11/05	11/09	11/14
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	136.0	130.0	126.0	122.0	119.0	116.0	111.0	107.0	101.0
32	153.0	147.0	143.0	139.0	136.0	132.0	128.0	124.0	118.0
28	173.0	166.0	162.0	158.0	154.0	150.0	147.0	142.0	136.0
24	194.0	187.0	182.0	177.0	173.0	169.0	165.0	159.0	152.0
20	210.0	204.0	199.0	194.0	190.0	186.0	182.0	176.0	170.0
16	225.0	218.0	213.0	209.0	205.0	200.0	196.0	192.0	184.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Generated on 10/21/2024

Current Location: Elev: 1620 ft. Lat: 48.6297° N Lon: 99.8069° W
 Station: **ROLETTE 3SE, ND US USC00327655**

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	06/14	06/07	06/04	06/01	05/30	05/28	05/25	05/23	05/19
32	06/03	05/30	05/27	05/25	05/22	05/20	05/17	05/13	05/10
28	05/27	05/22	05/19	05/15	05/13	05/10	05/07	05/04	05/01
24	05/16	05/12	05/08	05/05	05/03	05/01	04/28	04/24	04/19
20	05/08	05/03	05/01	04/28	04/24	04/21	04/17	04/13	04/09
16	04/30	04/25	04/20	04/16	04/13	04/10	04/08	04/05	04/01
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	08/24	08/31	09/03	09/06	09/10	09/12	09/15	09/18	09/22
32	09/05	09/11	09/15	09/17	09/20	09/22	09/24	09/27	10/01
28	09/17	09/20	09/23	09/25	09/27	09/29	10/01	10/04	10/08
24	09/24	09/28	10/01	10/03	10/05	10/07	10/10	10/13	10/17
20	10/01	10/05	10/08	10/11	10/14	10/16	10/19	10/23	10/27
16	10/09	10/14	10/18	10/21	10/24	10/27	10/30	11/01	11/06
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	120.0	113.0	109.0	105.0	101.0	97.0	92.0	85.0	78.0
32	138.0	131.0	127.0	124.0	120.0	117.0	113.0	108.0	100.0
28	155.0	149.0	145.0	141.0	138.0	134.0	131.0	126.0	121.0
24	174.0	167.0	163.0	159.0	155.0	151.0	147.0	142.0	136.0
20	193.0	186.0	180.0	177.0	173.0	169.0	164.0	160.0	153.0
16	211.0	204.0	200.0	196.0	192.0	188.0	184.0	178.0	171.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Generated on 10/21/2024

Current Location: Elev: 1510 ft. Lat: 48.0600° N Lon: 100.9414° W
 Station: **VELVA, ND US USC00328990**

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	06/13	06/07	06/05	06/02	05/31	05/27	05/25	05/22	05/18
32	06/03	05/31	05/27	05/24	05/22	05/18	05/16	05/13	05/08
28	05/26	05/22	05/18	05/14	05/11	05/08	05/05	05/02	04/29
24	05/19	05/13	05/08	05/05	05/02	04/30	04/27	04/23	04/18
20	05/07	05/02	04/30	04/26	04/23	04/19	04/16	04/13	04/09
16	04/28	04/22	04/19	04/16	04/13	04/10	04/07	04/04	04/01
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	08/30	09/04	09/07	09/10	09/13	09/16	09/18	09/20	09/23
32	09/10	09/14	09/17	09/20	09/22	09/23	09/25	09/28	10/01
28	09/19	09/23	09/25	09/28	09/30	10/02	10/05	10/08	10/12
24	09/27	10/01	10/04	10/06	10/09	10/11	10/13	10/17	10/21
20	10/05	10/08	10/12	10/15	10/17	10/19	10/23	10/26	11/01
16	10/11	10/16	10/20	10/23	10/26	10/29	11/01	11/03	11/09
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	120.0	116.0	112.0	109.0	105.0	101.0	97.0	92.0	84.0
32	141.0	134.0	130.0	126.0	123.0	119.0	116.0	111.0	105.0
28	159.0	153.0	149.0	144.0	141.0	138.0	133.0	129.0	123.0
24	178.0	171.0	167.0	162.0	159.0	155.0	151.0	147.0	139.0
20	196.0	188.0	184.0	180.0	176.0	172.0	168.0	163.0	157.0
16	212.0	206.0	201.0	198.0	193.0	189.0	185.0	181.0	174.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Generated on 10/21/2024

Current Location: Elev: 1842 ft. Lat: 48.9675° N Lon: 102.1703° W
 Station: **NORTHGATE 5 ESE, ND US USW00094084**

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	06/15	06/07	06/03	05/31	05/29	05/27	05/24	05/22	05/17
32	06/02	05/29	05/26	05/23	05/20	05/18	05/16	05/12	05/09
28	05/24	05/20	05/16	05/14	05/11	05/09	05/06	05/03	04/29
24	05/15	05/11	05/08	05/05	05/02	04/30	04/27	04/22	04/16
20	05/07	05/02	04/29	04/25	04/21	04/18	04/15	04/11	04/07
16	04/28	04/22	04/17	04/14	04/11	04/08	04/05	04/02	03/28
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	08/25	08/31	09/03	09/06	09/09	09/11	09/14	09/17	09/20
32	09/07	09/11	09/14	09/17	09/19	09/21	09/23	09/25	09/28
28	09/14	09/20	09/22	09/24	09/26	09/28	10/01	10/04	10/08
24	09/22	09/26	09/29	10/01	10/05	10/07	10/10	10/13	10/18
20	09/29	10/03	10/08	10/11	10/13	10/16	10/19	10/22	10/26
16	10/09	10/13	10/17	10/20	10/23	10/25	10/28	11/01	11/03
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	119.0	113.0	108.0	104.0	101.0	97.0	92.0	87.0	79.0
32	135.0	131.0	127.0	124.0	121.0	117.0	113.0	108.0	102.0
28	154.0	149.0	145.0	140.0	137.0	134.0	130.0	126.0	120.0
24	175.0	168.0	163.0	158.0	154.0	150.0	147.0	141.0	134.0
20	193.0	186.0	182.0	177.0	174.0	170.0	165.0	161.0	154.0
16	213.0	206.0	202.0	198.0	193.0	190.0	185.0	179.0	173.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Current Location: Elev: 2045 ft. Lat: 47.4550° N Lon: 101.1461° W
 Station: **UNDERWOOD, ND US USC00328872**

Generated on 10/21/2024

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	06/02	05/30	05/26	05/22	05/20	05/17	05/15	05/12	05/08
32	05/25	05/19	05/15	05/12	05/10	05/07	05/05	05/03	04/30
28	05/13	05/09	05/06	05/04	05/02	04/30	04/27	04/23	04/18
24	05/05	05/01	04/29	04/25	04/22	04/19	04/16	04/12	04/08
20	04/26	04/22	04/18	04/15	04/13	04/10	04/07	04/04	04/01
16	04/19	04/14	04/11	04/08	04/06	04/03	04/02	03/29	03/22
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	09/10	09/14	09/17	09/20	09/22	09/24	09/26	09/28	10/02
32	09/17	09/21	09/24	09/27	09/29	10/01	10/03	10/07	10/11
28	09/25	09/29	10/01	10/04	10/07	10/10	10/13	10/15	10/20
24	10/01	10/06	10/10	10/13	10/16	10/18	10/22	10/25	10/29
20	10/11	10/16	10/19	10/23	10/25	10/28	10/31	11/03	11/07
16	10/19	10/24	10/28	10/31	11/02	11/05	11/08	11/11	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	139.0	134.0	130.0	126.0	123.0	120.0	116.0	111.0	106.0
32	156.0	150.0	146.0	143.0	139.0	136.0	133.0	128.0	122.0
28	174.0	169.0	165.0	161.0	157.0	153.0	149.0	145.0	138.0
24	194.0	187.0	182.0	179.0	175.0	171.0	167.0	163.0	157.0
20	212.0	205.0	200.0	196.0	193.0	189.0	185.0	180.0	172.0
16	230.0	223.0	217.0	213.0	209.0	204.0	200.0	195.0	189.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Generated on 10/21/2024

Current Location: Elev: 1920 ft. Lat: 46.7703° N Lon: 99.4778° W
 Station: **JAMESTOWN 38 WSW, ND US USW00054937**

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	06/03	05/31	05/28	05/25	05/23	05/21	05/18	05/16	05/12
32	05/26	05/22	05/19	05/16	05/14	05/11	05/09	05/06	05/02
28	05/18	05/13	05/10	05/07	05/05	05/03	04/30	04/28	04/21
24	05/10	05/06	05/02	04/30	04/27	04/24	04/20	04/17	04/12
20	05/02	04/27	04/23	04/20	04/18	04/14	04/11	04/08	04/04
16	04/24	04/18	04/15	04/11	04/08	04/06	04/03	03/31	03/24
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	09/08	09/12	09/15	09/18	09/20	09/22	09/24	09/27	10/01
32	09/15	09/20	09/23	09/25	09/27	09/30	10/02	10/05	10/10
28	09/24	09/28	10/01	10/03	10/06	10/09	10/12	10/15	10/19
24	10/02	10/06	10/10	10/13	10/16	10/18	10/21	10/24	10/27
20	10/11	10/16	10/20	10/22	10/25	10/27	10/30	11/02	11/07
16	10/21	10/25	10/29	10/31	11/02	11/05	11/07	11/11	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	134.0	130.0	125.0	121.0	118.0	114.0	111.0	106.0	101.0
32	151.0	146.0	142.0	138.0	135.0	132.0	129.0	125.0	118.0
28	170.0	164.0	160.0	155.0	152.0	149.0	145.0	141.0	136.0
24	188.0	181.0	176.0	172.0	168.0	165.0	161.0	157.0	151.0
20	208.0	202.0	197.0	192.0	188.0	184.0	179.0	174.0	167.0
16	227.0	220.0	215.0	210.0	206.0	203.0	198.0	193.0	186.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Current Location: Elev: 2750 ft. Lat: 47.1906° N Lon: 103.2247° W
 Station: **FAIRFIELD, ND US USC00322809**

Generated on 10/21/2024

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	06/05	05/31	05/28	05/25	05/22	05/20	05/16	05/13	05/09
32	05/27	05/20	05/17	05/14	05/12	05/09	05/07	05/04	04/30
28	05/16	05/11	05/07	05/05	05/03	04/30	04/27	04/23	04/17
24	05/05	04/30	04/26	04/23	04/20	04/18	04/15	04/11	04/07
20	04/25	04/20	04/17	04/15	04/12	04/09	04/06	04/03	03/30
16	04/17	04/13	04/09	04/06	04/04	04/01	03/30	03/25	03/16
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	09/06	09/10	09/14	09/17	09/20	09/22	09/25	09/28	10/02
32	09/13	09/18	09/22	09/25	09/28	09/30	10/03	10/06	10/11
28	09/21	09/27	09/30	10/04	10/06	10/10	10/13	10/17	10/20
24	10/01	10/06	10/10	10/13	10/16	10/18	10/21	10/25	10/31
20	10/10	10/15	10/18	10/22	10/25	10/28	11/01	11/03	11/09
16	10/18	10/23	10/27	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	140.0	133.0	128.0	124.0	120.0	116.0	111.0	107.0	99.0
32	158.0	151.0	146.0	142.0	138.0	134.0	129.0	124.0	116.0
28	177.0	170.0	165.0	161.0	156.0	153.0	149.0	144.0	137.0
24	194.0	189.0	185.0	180.0	177.0	173.0	169.0	164.0	156.0
20	216.0	208.0	203.0	198.0	194.0	191.0	186.0	182.0	174.0
16	233.0	226.0	220.0	216.0	212.0	207.0	202.0	197.0	190.0

-9999: Data not available

* 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

blank: missing or insufficient data

Summary of Annual Normals 1991-2020

Generated on 10/21/2024

Current Location: Elev: 2771 ft. Lat: 46.8947° N Lon: 103.3769° W
 Station: **MEDORA 7 E, ND US USW00094080**

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	06/02	05/29	05/25	05/22	05/19	05/17	05/15	05/12	05/09
32	05/21	05/17	05/14	05/11	05/09	05/07	05/05	05/03	04/30
28	05/11	05/06	05/04	05/01	04/30	04/27	04/24	04/20	04/17
24	05/02	04/29	04/25	04/22	04/19	04/16	04/13	04/10	04/07
20	04/24	04/19	04/16	04/13	04/10	04/08	04/05	04/02	03/26
16	04/16	04/11	04/07	04/04	04/01	03/29	03/24	03/19	03/12
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	09/09	09/13	09/16	09/20	09/22	09/25	09/27	09/29	10/03
32	09/15	09/21	09/25	09/27	09/30	10/02	10/05	10/09	10/13
28	09/24	09/29	10/02	10/05	10/09	10/12	10/15	10/19	10/23
24	10/02	10/08	10/12	10/15	10/18	10/21	10/24	10/27	11/01
20	10/10	10/17	10/21	10/25	10/27	10/30	11/02	11/06	11/11
16	10/20	10/26	10/29	11/01	11/03	11/06	11/09	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	140.0	134.0	130.0	126.0	123.0	119.0	115.0	111.0	104.0
32	159.0	153.0	149.0	146.0	142.0	138.0	134.0	129.0	123.0
28	180.0	173.0	168.0	165.0	161.0	157.0	153.0	148.0	142.0
24	201.0	194.0	189.0	184.0	179.0	175.0	171.0	166.0	160.0
20	220.0	212.0	206.0	202.0	199.0	195.0	190.0	185.0	178.0
16	241.0	231.0	225.0	221.0	216.0	211.0	207.0	202.0	193.0

-9999: Data not available

* 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

blank: missing or insufficient data