

A blue-tinted photograph of a rural landscape. In the foreground, there is a field of snow-covered grass. A dirt path or road leads from the field towards a line of trees in the middle ground. The trees are bare and covered in snow. The sky is a clear, pale blue.

Integrated Pest Management

MISSOURI FROST/FREEZE PROBABILITIES GUIDE

College of Agriculture, Food and Natural Resources

**Published by University of Missouri Extension
IPM1033**

This publication is part of a series of integrated pest management (IPM) manuals prepared by the Plant Protection Programs of the University of Missouri. Topics covered in the series include an introduction to scouting, weed identification and management, plant diseases, and insects of field and horticultural crops. These IPM manuals are available from MU Extension at the following address:

Extension Publications
2800 Maguire Blvd.
Columbia, MO 65211

800-292-0969 | extension.missouri.edu

Author

Pat Guinan
State Climatologist
University of Missouri Extension

Acknowledgments

Contributing author
William Wiebold
Professor, Division of Plant Sciences

Contour map development
Brent Myers
Assistant Professor, Division of Plant Sciences

Cover photo credit

Christopher Starbuck
Associate Professor Emeritus, Division of Plant Sciences

Production

Victoria Knapp, senior editor
MU Extension Communications

Amy Hess, media specialist
MU Extension, IPM Program

On the World Wide Web

For this and other integrated pest management publications on the World Wide Web, visit <http://ipm.missouri.edu>.

For more information on Missouri's climate and weather, visit the Missouri Climate Center website, <http://climate.missouri.edu>.

© 2016 University of Missouri

Contents

Introduction	1
National Weather Service Cooperative (NWSC) weather station locations in Missouri	2
Missouri elevation map	3
Section 1	
Missouri Frost/Freeze Median Date Point Maps	5
Spring 36°F	6
Spring 32°F	7
Spring 28°F	8
Spring 24°F	9
Fall 36°F	10
Fall 32°F	11
Fall 28°F	12
Fall 24°F	13
Growing season length for each weather station location, 32°F and 50%	14
Section 2	
Missouri Frost/Freeze Median Date Contour Maps	15
Spring 36°F	16
Spring 32°F	17
Spring 28°F	18
Spring 24°F	19
Fall 36°F	20
Fall 32°F	21
Fall 28°F	22
Fall 24°F	23
Section 3	
Missouri Extreme Frost/Freeze Date Maps	25
Missouri extreme frost/freeze dates table	26
Spring 36°F	27
Spring 32°F	28
Spring 28°F	29
Spring 24°F	30
Fall 36°F	31
Fall 32°F	32
Fall 28°F	33
Fall 24°F	34
Section 4	
Missouri Frost/Freeze Probabilities Tables	35

Introduction

Missouri's growing season typically runs from April to October, and where in the state you live can make a big difference on when to expect your first or last frost. Missouri's latitudinal variation, the Ozark Plateau, river bottomlands, hills, valleys and populated areas are all factors that contribute to frost potential. If you have an established record of air temperatures for your region and an idea of how local topography can affect temperature, you can use that knowledge to determine when, on average, to expect your first or last frost.

This guide provides a generalized view of expected last spring and first fall frost dates for Missouri to help you in making your plant-sensitive management decisions. Typically, the first fall frost (temperature of 32 degrees F or lower) occurs over northern and central Missouri by the second or third week of October, respectively. Similarly, the last spring frost occurs over northern and central Missouri by the third and second week of April, respectively. Frosts are more likely to be experienced earlier in the fall or later in the spring over

the Ozarks than in central Missouri because the higher elevation of the Ozark Plateau causes cooler temperatures in the Ozark region. As the Ozark Plateau transitions to the southeastern lowlands of the Bootheel, the average first fall frost generally occurs between the last week of October and the first week of November. Similarly, the average last spring frost occurs between the second week of April to the end of March.

Local terrain, where temperatures can be highly variable over small distances due to topography, can also affect first and last frost dates. Minimum temperatures can vary 10 degrees F or more over a short distance, such as from the bottom of a valley to a nearby hilltop. Cool air, being denser than warm air, moves down the slopes of hills and accumulates in the valleys. This difference in air density is why low-lying areas, such as river bottoms, will likely be colder than their surroundings on clear, calm nights. Therefore, while referring to the data and maps throughout this guide, consider the local landscape when determining the average first frost date for your location.

About this guide

This guide provides frost/freeze probabilities, tables, maps and dates for 103 National Weather Service Cooperative (NWSC) weather stations in Missouri. The information was obtained from the National Centers for Environmental Information and is based on data for the 30-year period 1981–2010.

- ▶ Section 1: The median date point maps provide the last spring and first fall median frost/freeze dates for specific temperature thresholds — 36 degrees F, 32 degrees F, 28 degrees F and 24 degrees F. In this application, median date is defined as the date at which there is a 50 percent chance the first or last instance, depending on the season, of the specified

frost/freeze temperature will occur before or after the designated date.

- ▶ Section 2: The median date contour maps use the same data as the median date point maps, but with contoured regions of the state.
- ▶ Section 3: The extreme date point maps provide the latest spring and earliest fall frost/freeze dates using only weather stations with a nearly continuous long-term history — at least 100 years — of temperature observations.
- ▶ Section 4: The weather station tables display probability thresholds for 103 of the weather stations in the state.

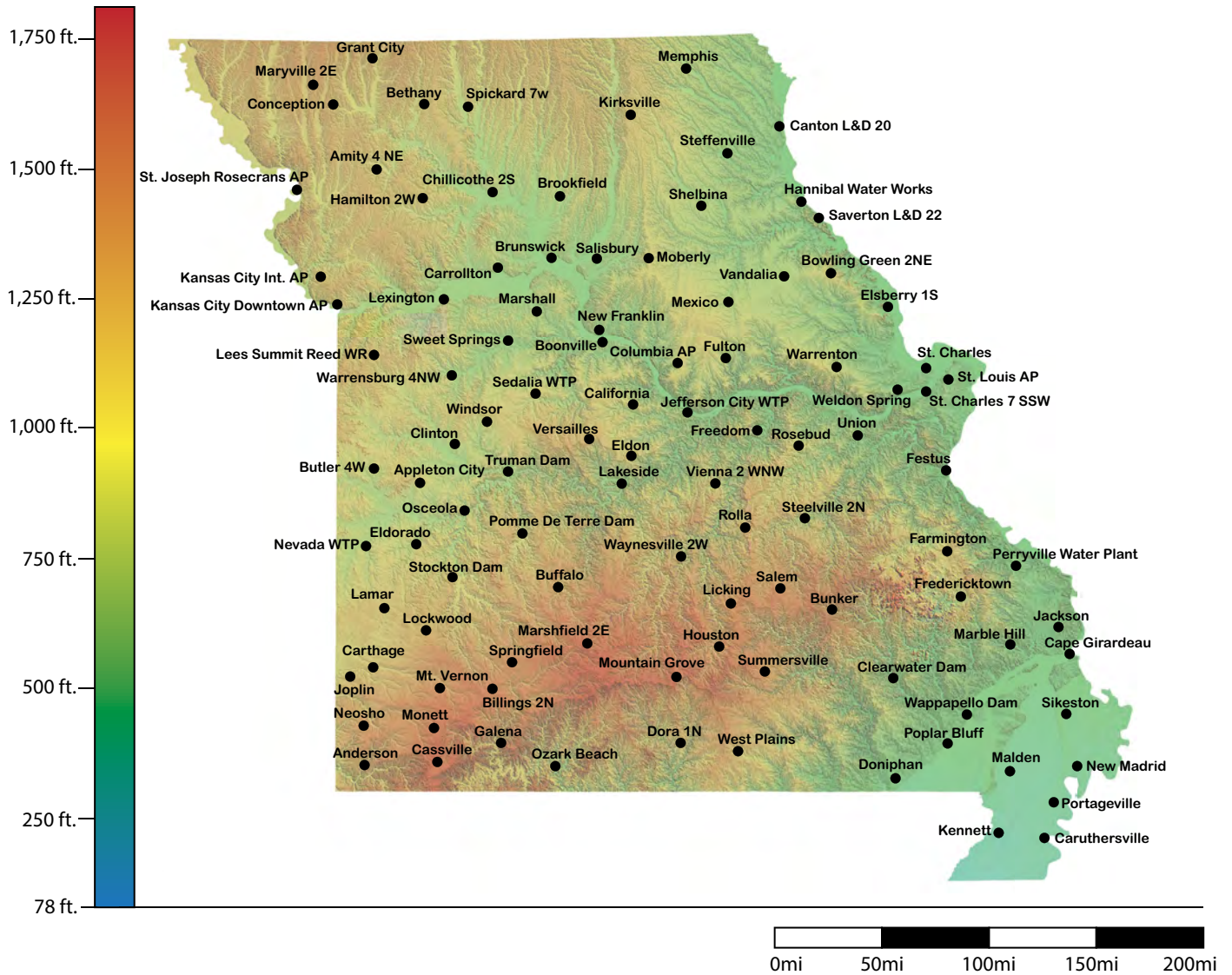
National Weather Service Cooperative weather station locations in Missouri

COUNTY	LOCATION	COUNTY	LOCATION
1. Adair	Kirksville	53. Madison	Fredericktown
2. Audrain	Mexico	54. Maries	Vienna 2 West-Northwest
3. Audrain	Vandalia	55. Marion	Hannibal Water Works
4. Barry	Cassville Ranger Station	56. McDonald	Anderson
5. Barry	Monett	57. Miller	Eldon
6. Barton	Lamar	58. Miller	Lakeside
7. Bates	Butler 4 West	59. Moniteau	California
8. Benton	Truman Dam and Reservoir	60. Morgan	Versailles
9. Bollinger	Marble Hill	61. New Madrid	New Madrid
10. Boone	Columbia Regional Airport	62. Newton	Neosho
11. Buchanan	St. Joseph Rosecrans Airport	63. Nodaway	Conception
12. Butler	Poplar Bluff	64. Nodaway	Maryville 2 East
13. Caldwell	Hamilton 2 West	65. Osage	Freedom
14. Callaway	Fulton	66. Ozark	Dora 1 North
15. Cape Girardeau	Jackson	67. Pemiscot	Caruthersville
16. Carroll	Carrollton	68. Pemiscot	Portageville
17. Cedar	El Dorado Springs	69. Perry	Perryville Water Plant
18. Cedar	Stockton Dam	70. Pettis	Sedalia Water Plant
19. Chariton	Brunswick	71. Phelps	Rolla University of Missouri
20. Chariton	Salisbury	72. Pike	Bowling Green 2 Northeast
21. Christian	Billings 2 North	73. Platte	Kansas City International Airport
22. Clay	Kansas City Downtown Airport	74. Pulaski	Waynesville 2 West
23. Cole	Jefferson City Water Plant	75. Ralls	Saverton Lock and Dam 22
24. Cooper	Boonville	76. Randolph	Moberly
25. Crawford	Steelville 2 North	77. Reynolds	Bunker
26. Dade	Lockwood	78. Ripley	Doniphan
27. Dallas	Buffalo	79. Saline	Marshall
28. DeKalb	Amity 4 Northeast	80. Saline	Sweet Springs
29. Dent	Salem	81. Scotland	Memphis
30. Dunklin	Malden Municipal Airport	82. Scott	Cape Girardeau Municipal Airport
31. Franklin	Union	83. Scott	Sikeston Power Station
32. Gasconade	Rosebud	84. Shelby	Shelbina
33. Greene	Springfield Regional Airport	85. St. Charles	St. Charles
34. Grundy	Spickard 7 West	86. St. Charles	Weldon Spring
35. Harrison	Bethany	87. St. Clair	Appleton City
36. Henry	Clinton	88. St. Clair	Osceola
37. Henry	Windsor	89. St. Francois	Farmington
38. Hickory	Pomme de Terre Dam	90. St. Louis	St. Charles 7 South-Southwest
39. Howard	New Franklin 1 West	91. St. Louis	St. Louis Lambert International Airport
40. Howell	West Plains	92. Stone	Galena
41. Jackson	Lee's Summit Reed Wildlife Refuge	93. Taney	Ozark Beach
42. Jasper	Carthage 5 South	94. Texas	Houston
43. Jasper	Joplin Regional Airport	95. Texas	Licking 4 North
44. Jefferson	Festus	96. Texas	Summersville
45. Johnson	Warrensburg 4 Northwest	97. Vernon	Nevada Water Plant
46. Lafayette	Lexington 3 Northeast	98. Warren	Warrenton
47. Lawrence	Mount Vernon MU Southwest Center	99. Wayne	Clearwater Dam
48. Lewis	Canton Lock and Dam 20	100. Wayne	Wappapello Dam
49. Lewis	Steffenville	101. Webster	Marshfield 2 East
50. Lincoln	Elsberry 1 South	102. Worth	Grant City
51. Linn	Brookfield	103. Wright	Mountain Grove 2 North
52. Livingston	Chillicothe 2 South		

Note: A number and direction at the end of a location name indicates the miles and direction the weather station is from the town or city.

Missouri elevation map

This map shows potential variation in temperature due to land elevation and identifies the 103 National Weather Service Cooperative weather station locations in Missouri.



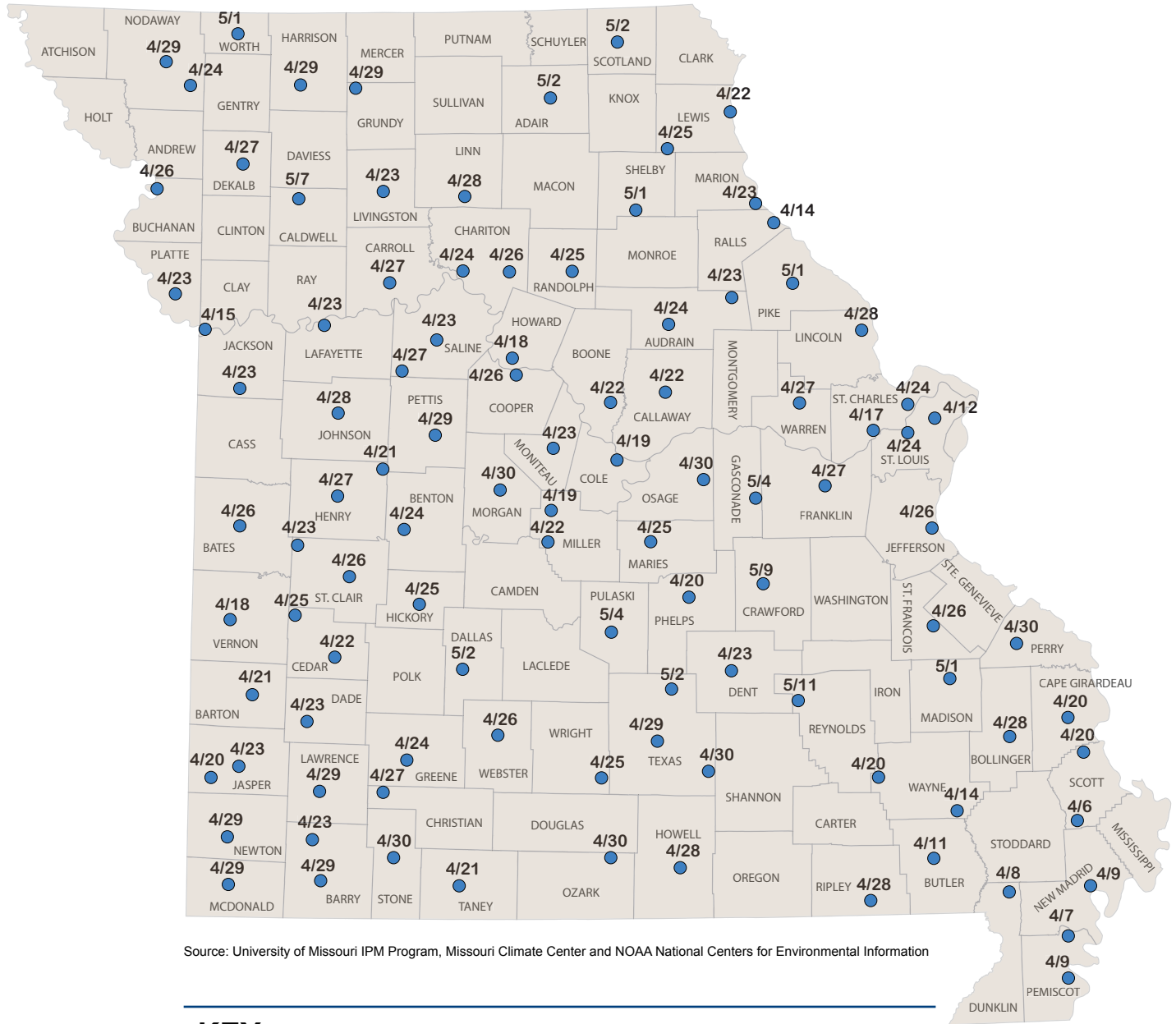
Section 1

Missouri Frost/Freeze Median Date Point Maps

Section 1 contains nine median date point maps showing variations in frost/freeze temperature patterns across Missouri during the spring and fall seasons in the 30-year period 1981–2010. Each blue dot indicates a weather station, and the date above the dot indicates the median date derived from data obtained from the National Centers for Environmental Information (NCEI), <http://ncei.noaa.gov>.

1. Median date of last spring temperature $\leq 36^{\circ}\text{F}$	6
2. Median date of last spring temperature $\leq 32^{\circ}\text{F}$	7
3. Median date of last spring temperature $\leq 28^{\circ}\text{F}$	8
4. Median date of last spring temperature $\leq 24^{\circ}\text{F}$	9
5. Median date of first fall temperature $\leq 36^{\circ}\text{F}$	10
6. Median date of first fall temperature $\leq 32^{\circ}\text{F}$	11
7. Median date of first fall temperature $\leq 28^{\circ}\text{F}$	12
8. Median date of first fall temperature $\leq 24^{\circ}\text{F}$	13
9. Growing season length for each weather station location	14

Median date of last spring temperature $\leq 36^{\circ}\text{F}$

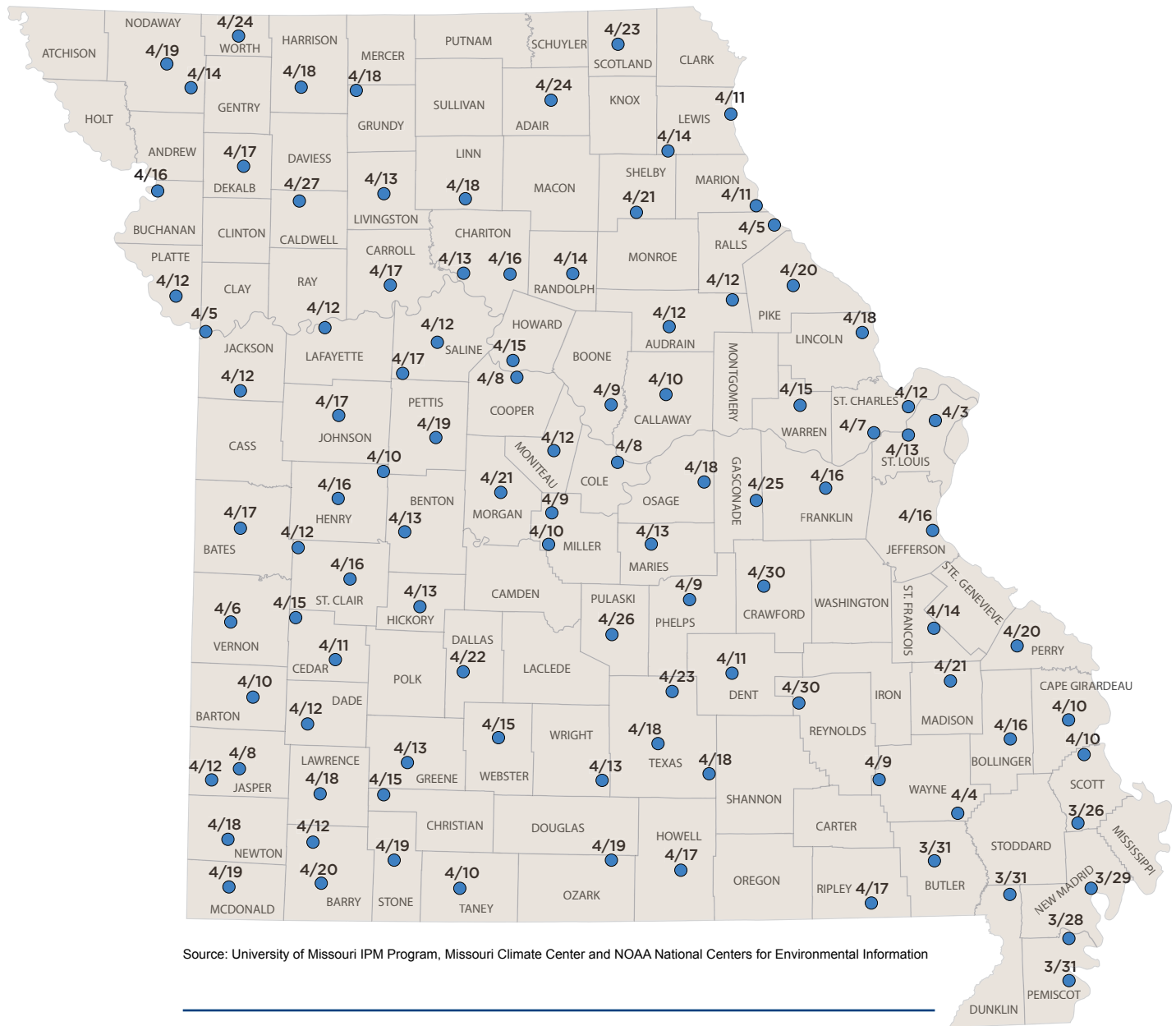


KEY


- Period of record 1981–2010.
- Spring median date There is a 50% chance a temperature $\leq 36^{\circ}\text{F}$ will occur after the designated median date.
- National Weather Service Cooperative weather station location.
- # / ## Month/day of median date.

Note: frost/freeze dates will likely vary each year and can depend on local conditions.

Median date of last spring temperature $\leq 32^{\circ}\text{F}$

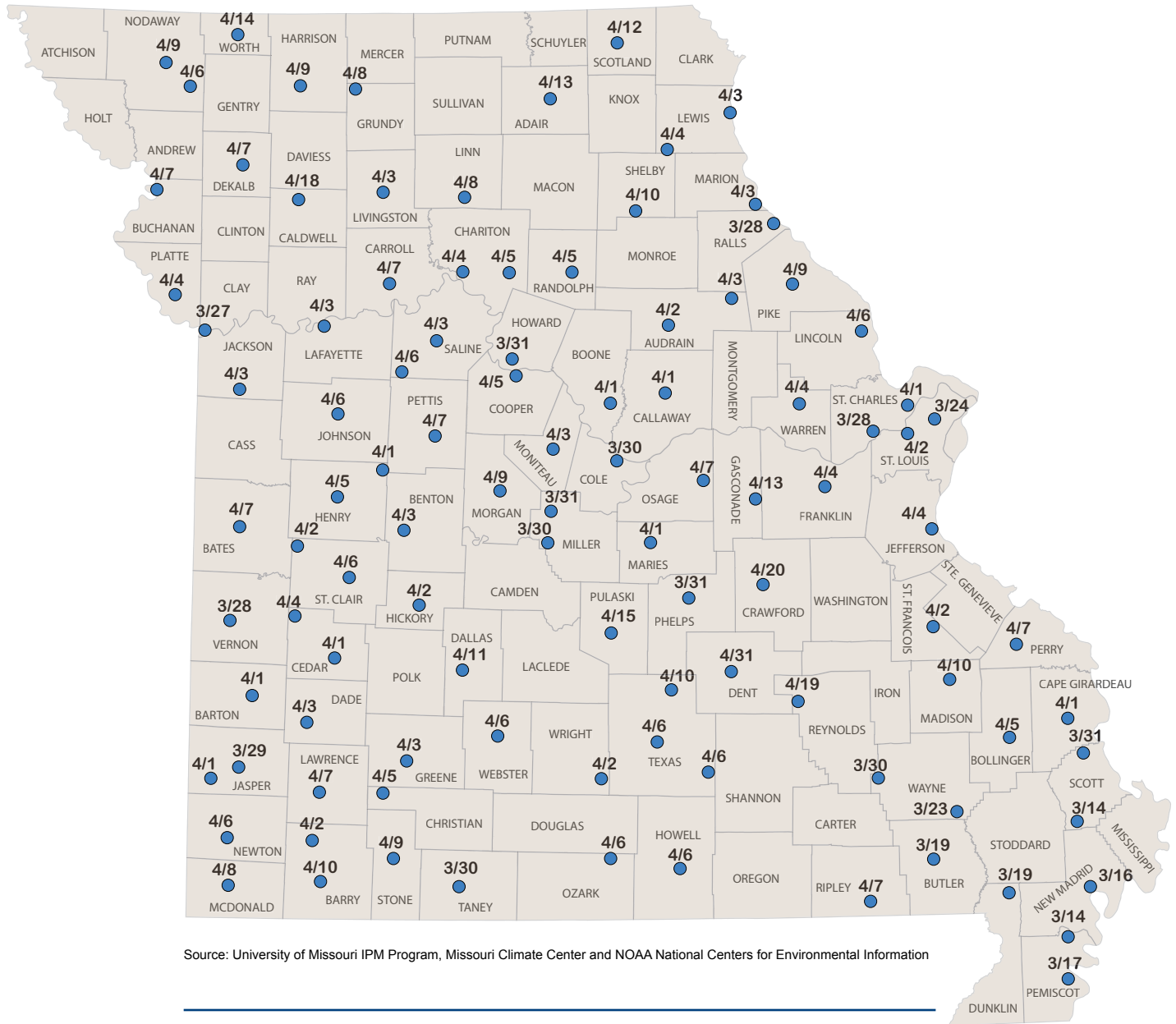


KEY

Period of record	1981–2010.
Spring median date	There is a 50% chance a temperature $\leq 32^{\circ}\text{F}$ will occur after the designated median date.
	National Weather Service Cooperative weather station location.
# / ##	Month/day of median date.

Note: frost/freeze dates will likely vary each year and can depend on local conditions.

Median date of last spring temperature $\leq 28^{\circ}\text{F}$

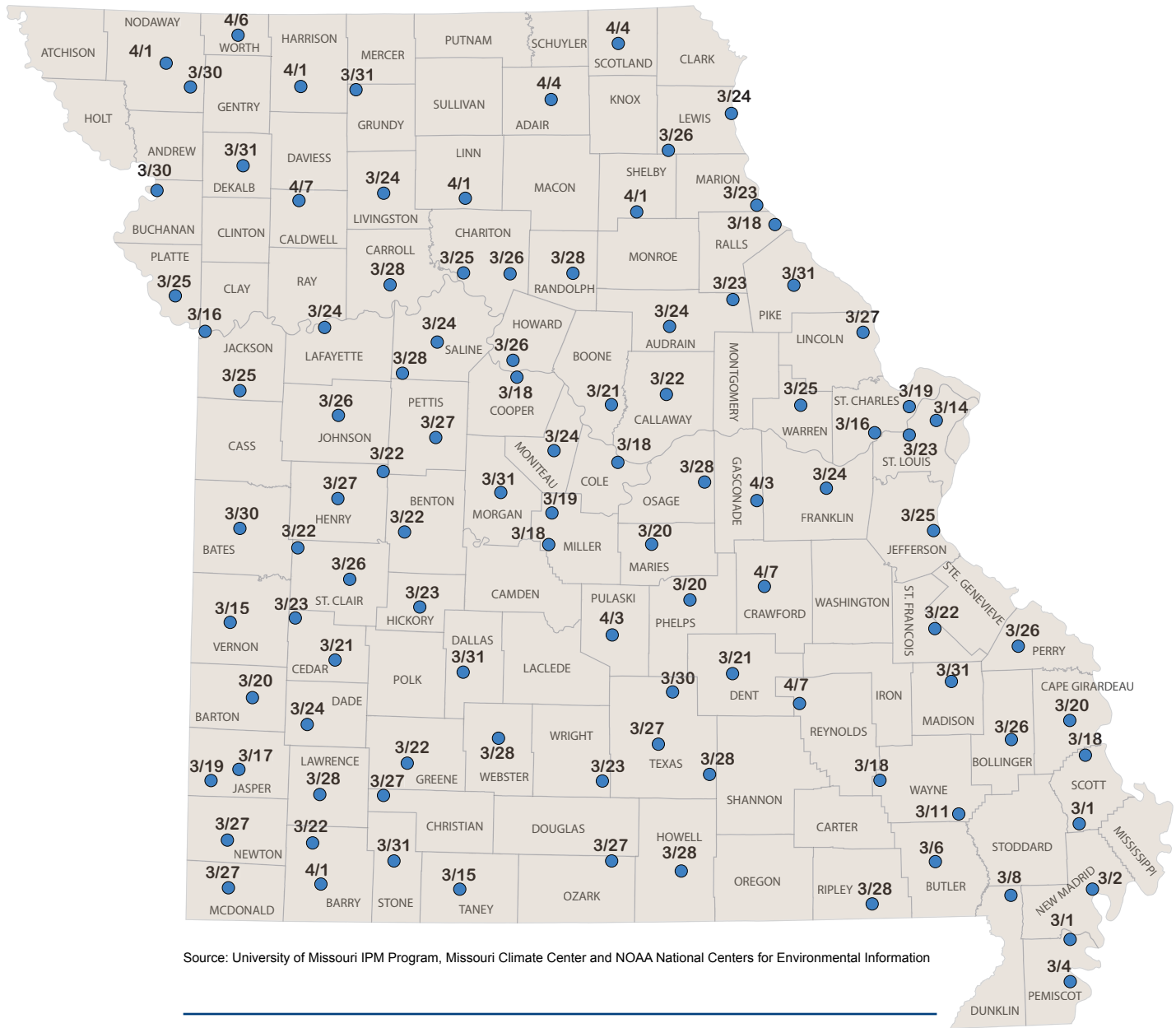


KEY


Period of record	1981–2010.
Spring median date	There is a 50% chance a temperature $\leq 28^{\circ}\text{F}$ will occur after the designated median date.
●	National Weather Service Cooperative weather station location.
# / ##	Month/day of median date.

Note: frost/freeze dates will likely vary each year and can depend on local conditions.

Median date of last spring temperature $\leq 24^{\circ}\text{F}$

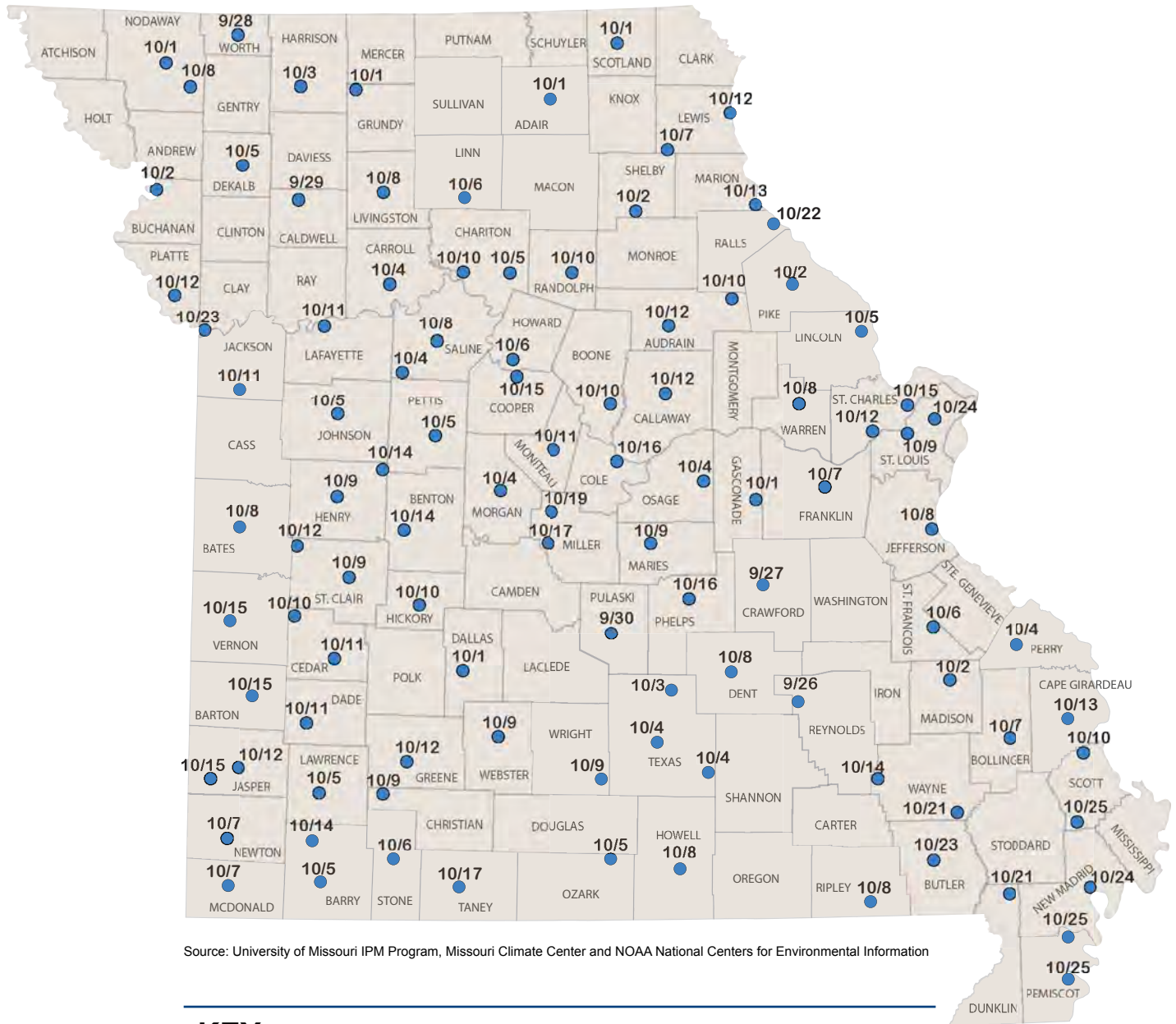


KEY

Period of record	1981–2010.
Spring median date	There is a 50% chance a temperature $\leq 24^{\circ}\text{F}$ will occur after the designated median date.
	National Weather Service Cooperative weather station location.
# / ##	Month/day of median date.

Note: frost/freeze dates will likely vary each year and can depend on local conditions.

Median date of first fall temperature $\leq 36^{\circ}\text{F}$

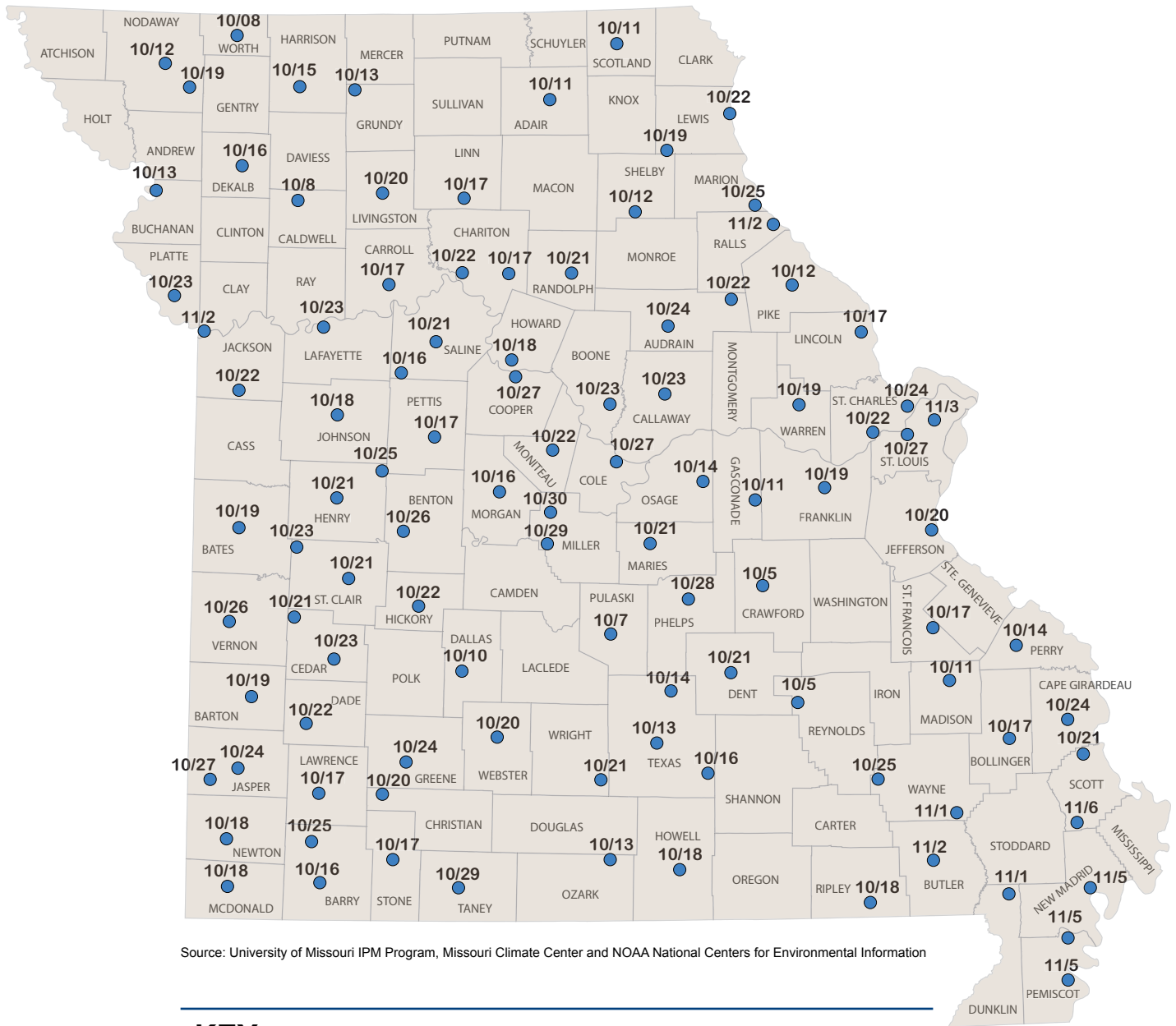


KEY


- Period of record 1981–2010.
- Fall median date There is a 50% chance a temperature $\leq 36^{\circ}\text{F}$ will occur before the designated median date.
- National Weather Service Cooperative weather station location.
- # / ## Month/day of median date.

Note: frost/freeze dates will likely vary each year and can depend on local conditions.

Median date of first fall temperature $\leq 32^{\circ}\text{F}$

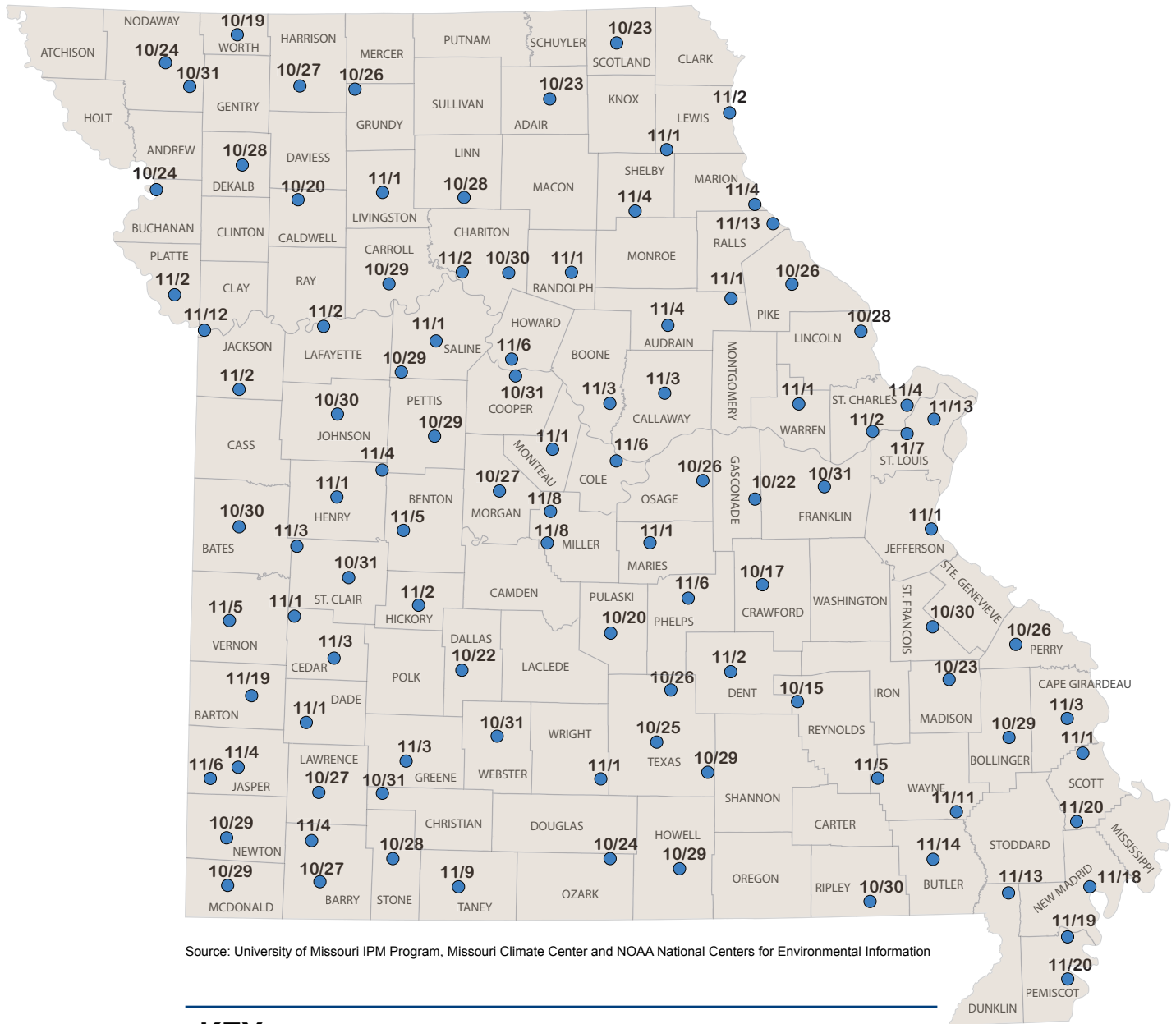


KEY


Period of record	1981–2010.
Fall median date	There is a 50% chance a temperature $\leq 32^{\circ}\text{F}$ will occur before the designated median date.
	National Weather Service Cooperative weather station location.
# / ##	Month/day of median date.

Note: frost/freeze dates will likely vary each year and can depend on local conditions.

Median date of first fall temperature $\leq 28^{\circ}\text{F}$

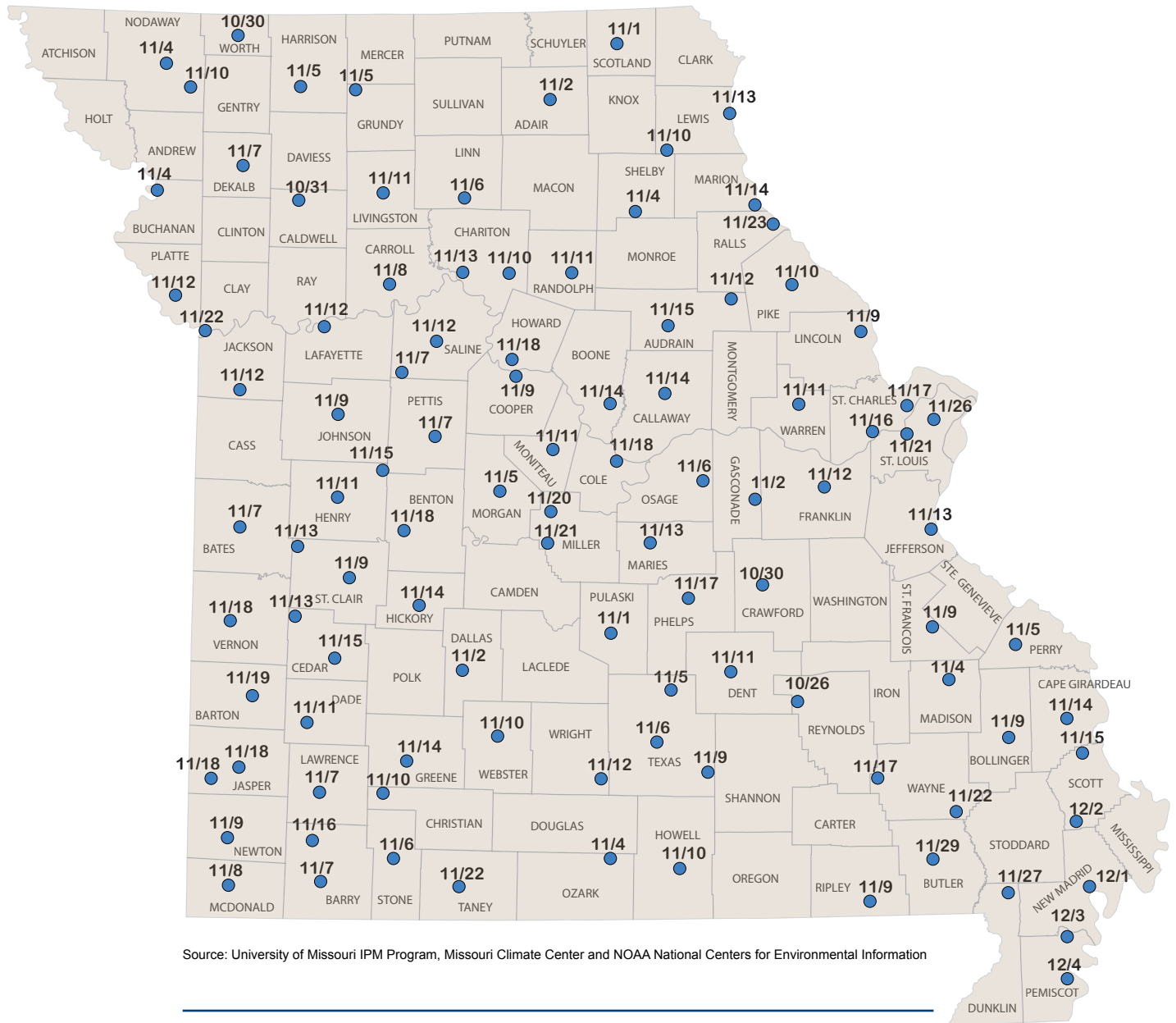


KEY

Period of record	1981–2010.
Fall median date	There is a 50% chance a temperature $\leq 28^{\circ}\text{F}$ will occur before the designated median date.
	National Weather Service Cooperative weather station location.
# / ##	Month/day of median date.

Note: frost/freeze dates will likely vary each year and can depend on local conditions.

Median date of first fall temperature $\leq 24^{\circ}\text{F}$



KEY

Period of record	1981–2010.
Fall median date	There is a 50% chance a temperature $\leq 24^{\circ}\text{F}$ will occur before the designated median date.
	National Weather Service Cooperative weather station location.
# / ##	Month/day of median date.

Note: frost/freeze dates will likely vary each year and can depend on local conditions.

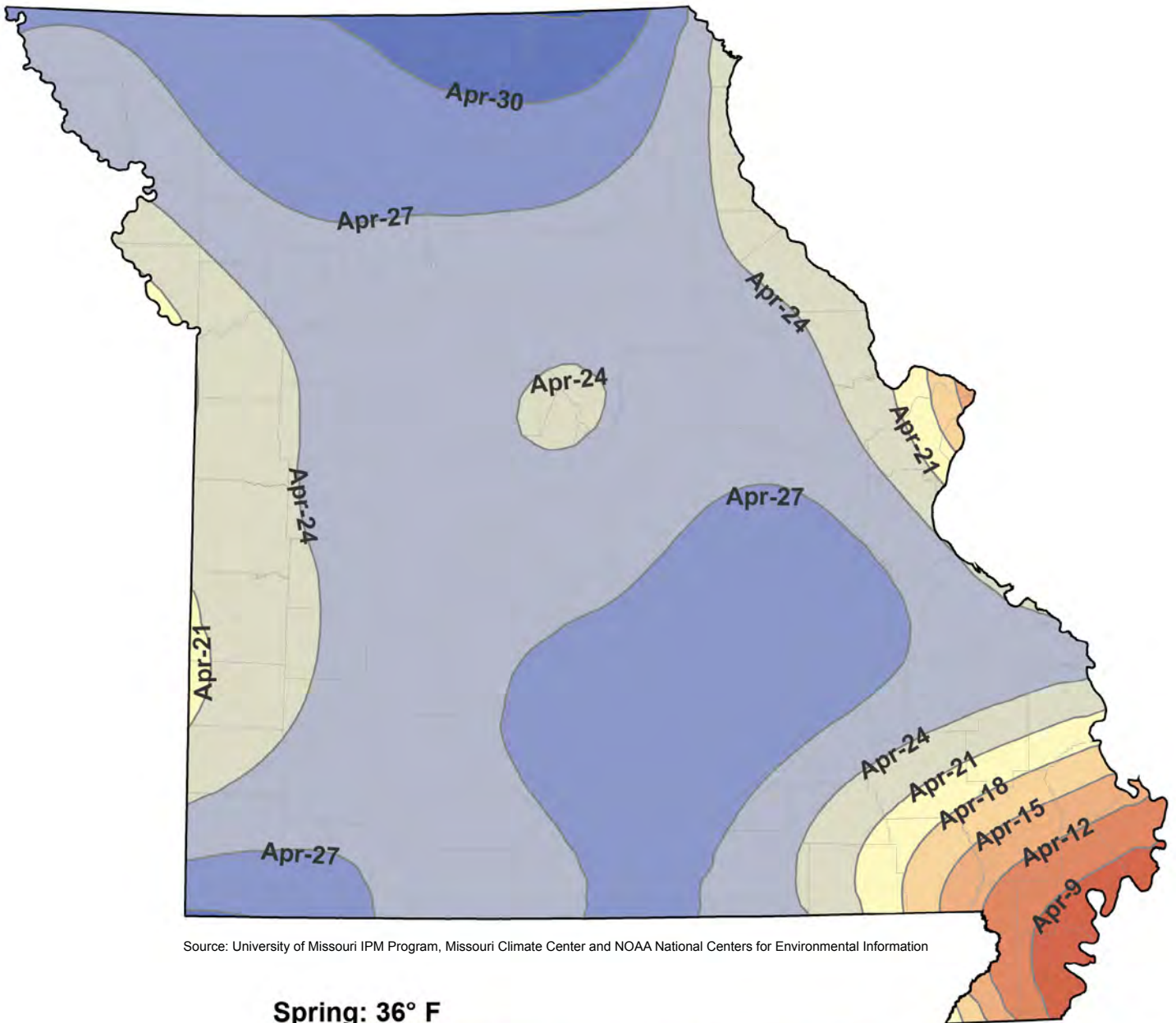
Section 2

Missouri Frost/Freeze Median Date Contour Maps

Section 2 contains eight contour maps showing variations in frost/freeze temperature patterns across Missouri during the spring and fall seasons in the 30-year period 1981–2010. Contoured areas of Missouri are highlighted and indicate the frost/freeze median dates derived from data obtained from the National Centers for Environmental Information (NCEI), <http://ncei.noaa.gov>.

1. Median date of last spring temperature $\leq 36^{\circ}\text{F}$	16
2. Median date of last spring temperature $\leq 32^{\circ}\text{F}$	17
3. Median date of last spring temperature $\leq 28^{\circ}\text{F}$	18
4. Median date of last spring temperature $\leq 24^{\circ}\text{F}$	19
5. Median date of last fall temperature $\leq 36^{\circ}\text{F}$	20
6. Median date of last fall temperature $\leq 32^{\circ}\text{F}$	21
7. Median date of last fall temperature $\leq 28^{\circ}\text{F}$	22
8. Median date of last fall temperature $\leq 24^{\circ}\text{F}$	23

Median date of last spring temperature $\leq 36^{\circ}\text{F}$



Source: University of Missouri IPM Program, Missouri Climate Center and NOAA National Centers for Environmental Information

Spring: 36°F

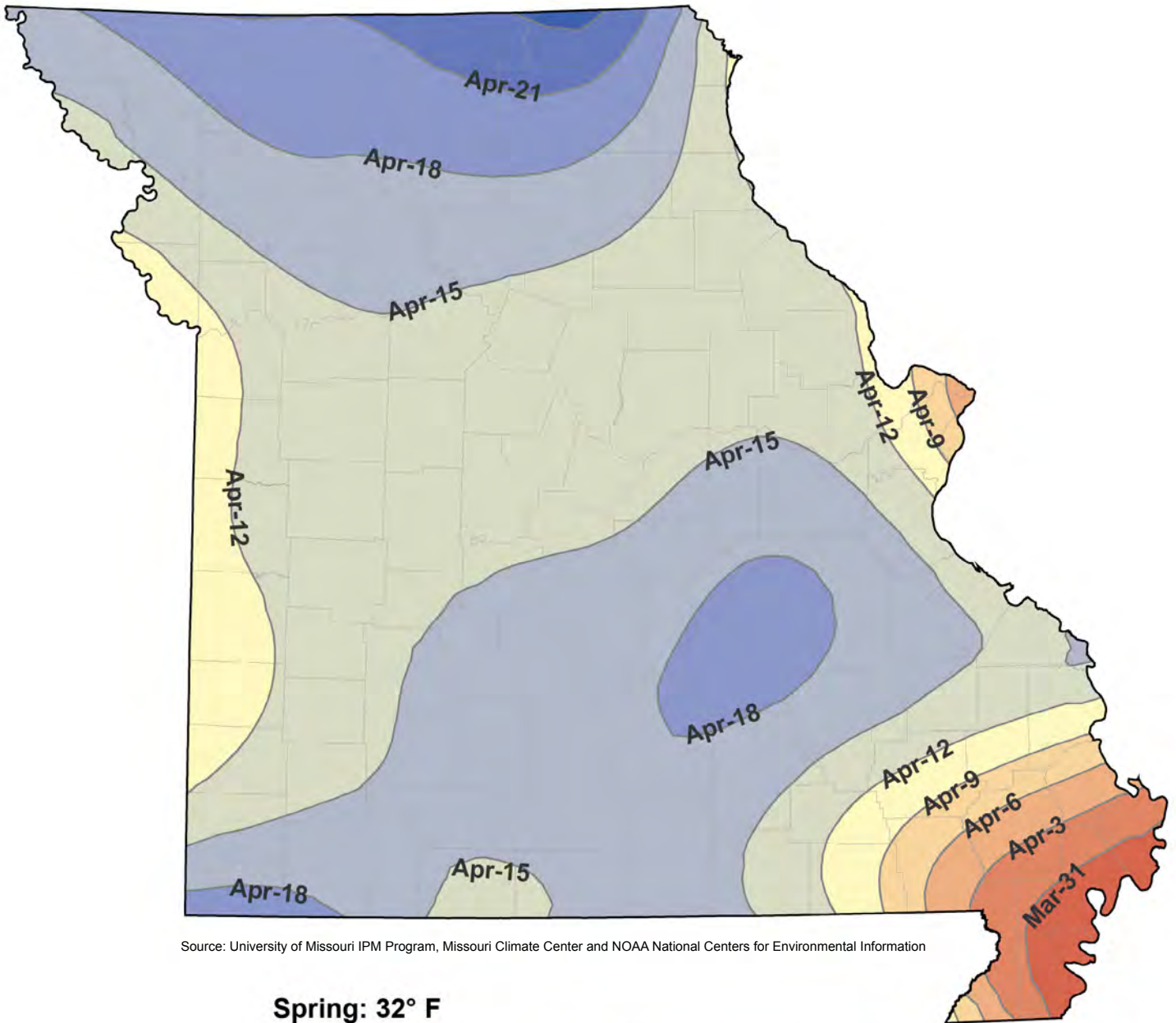


Apr-3 Apr-6 Apr-9 Apr-12 Apr-15 Apr-18 Apr-21 Apr-24 Apr-27 Apr-30 May-3

KEY

- Period of record is 1981–2010.
- Spring median date — There is a 50 percent chance the last spring temperature of 36°F or lower will occur after the designated date.

Median date of last spring temperature $\leq 32^{\circ}\text{F}$



Source: University of Missouri IPM Program, Missouri Climate Center and NOAA National Centers for Environmental Information

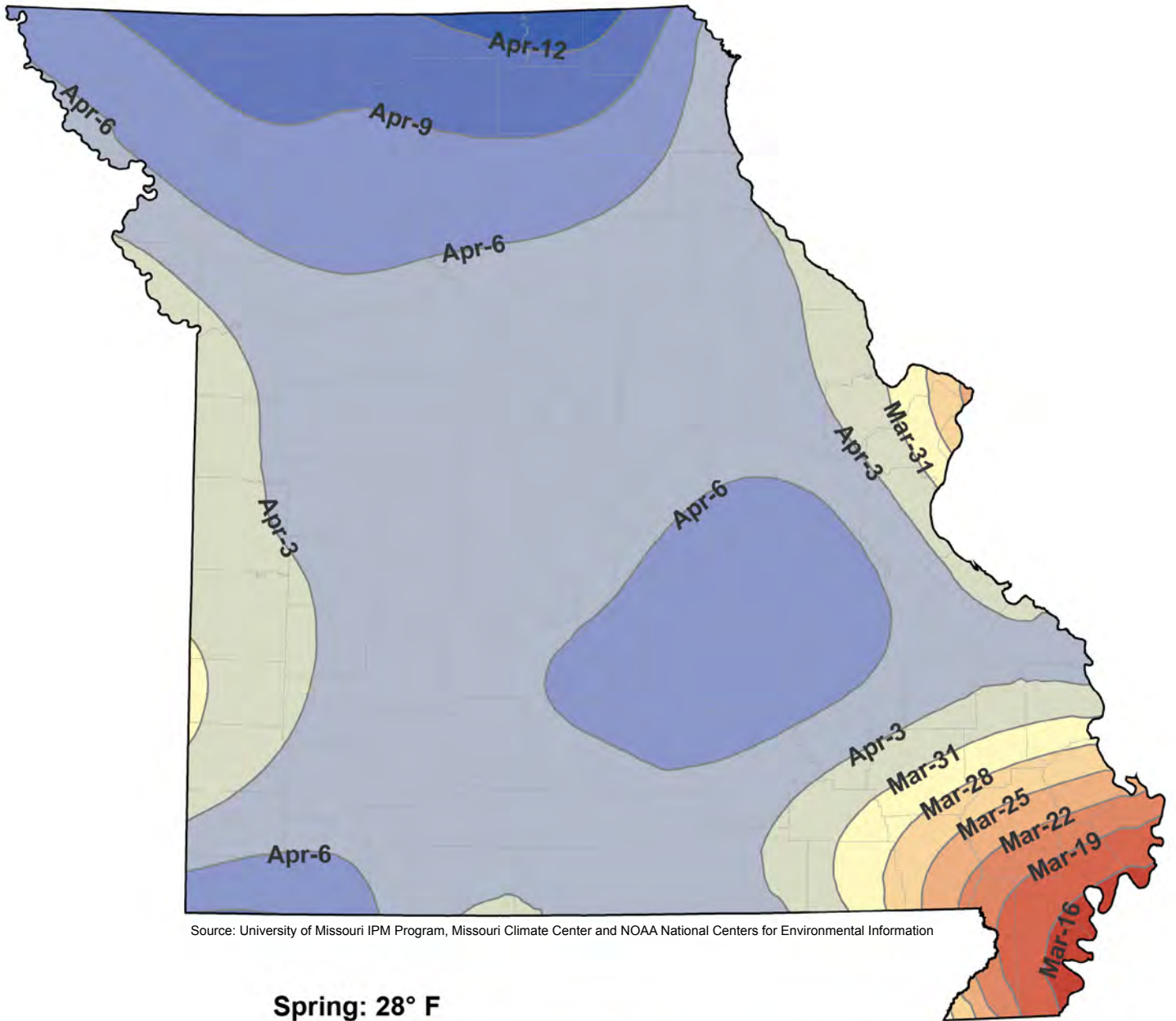
Spring: 32°F



KEY

- Period of record is 1981–2010.
- Spring median date — There is a 50 percent chance the last spring temperature of 32°F or lower will occur after the designated date.

Median date of last spring temperature $\leq 28^{\circ}\text{F}$



Source: University of Missouri IPM Program, Missouri Climate Center and NOAA National Centers for Environmental Information

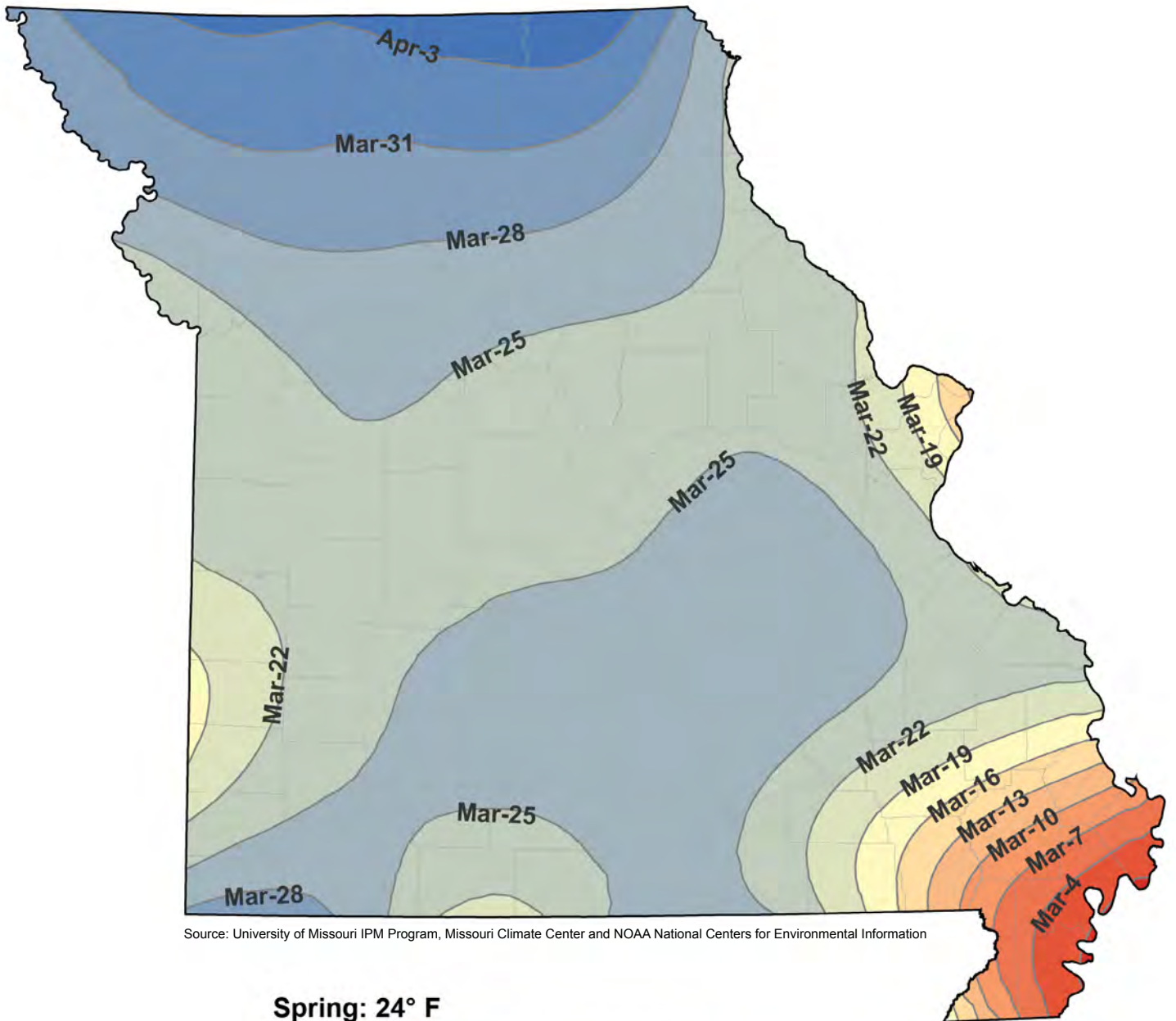
Spring: 28°F



KEY

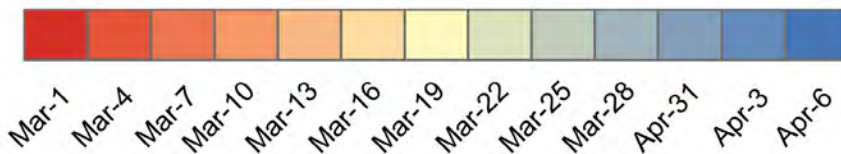
- Period of record is 1981–2010.
- Spring median date — There is a 50 percent chance the last spring temperature of 28°F or lower will occur after the designated date.

Median date of last spring temperature $\leq 24^{\circ}\text{F}$



Source: University of Missouri IPM Program, Missouri Climate Center and NOAA National Centers for Environmental Information

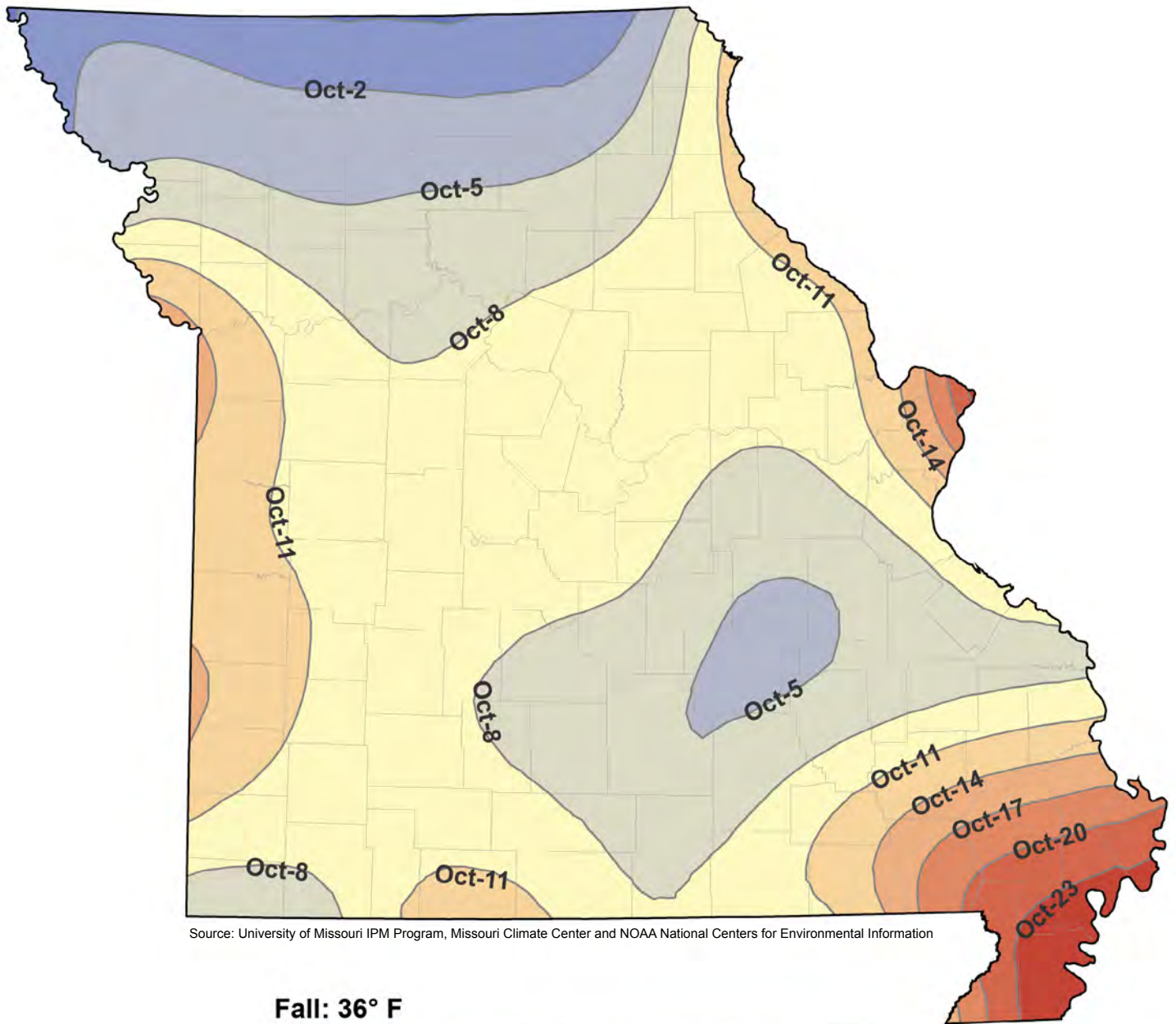
Spring: 24°F



KEY

- Period of record is 1981–2010.
- Spring median date — There is a 50 percent chance the last spring temperature of 24°F or lower will occur after the designated date.

Median date of first fall temperature $\leq 36^{\circ}\text{F}$



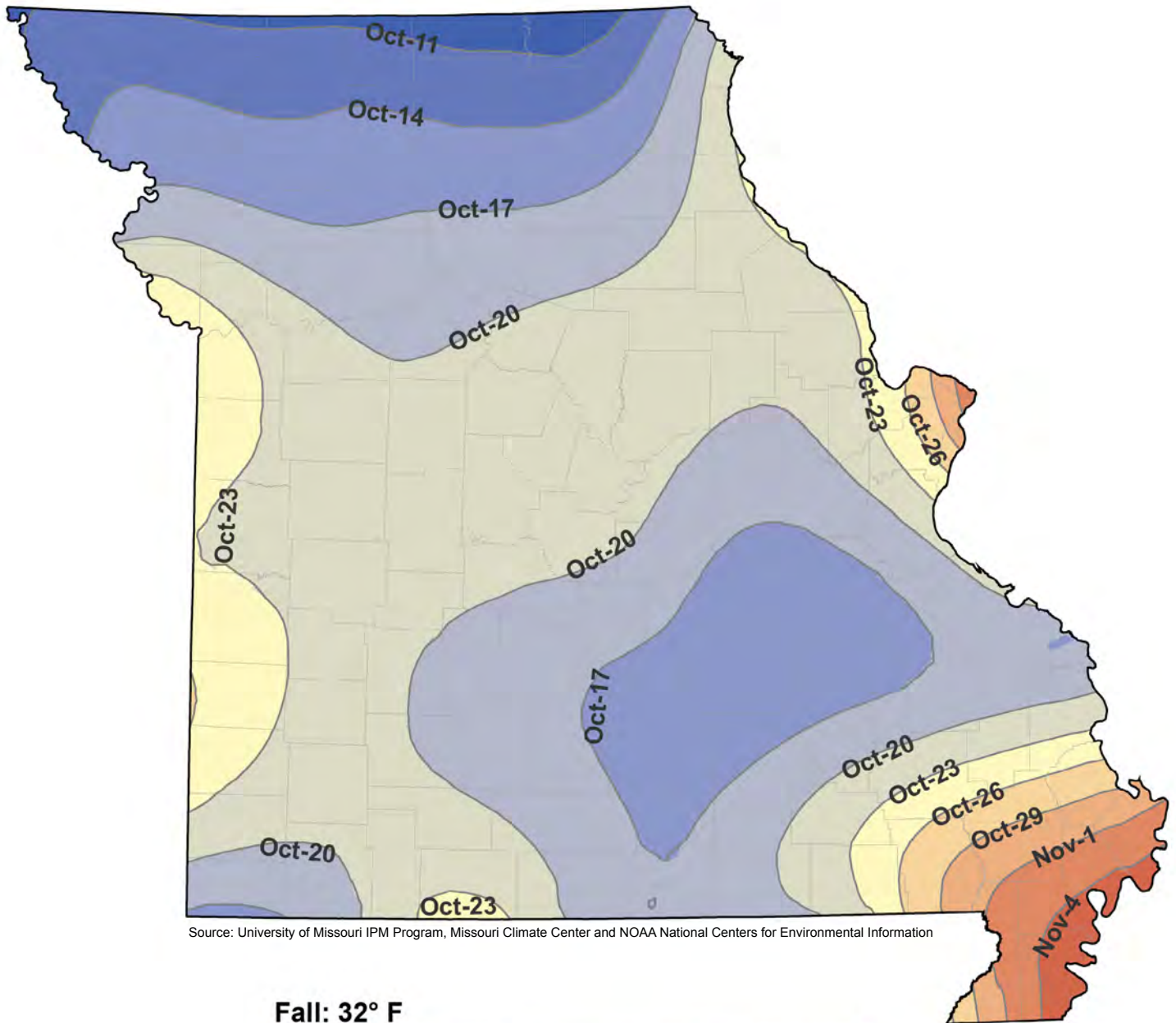
Fall: 36°F



KEY

- Period of record is 1981–2010.
- Fall median date — There is a 50 percent chance the first fall temperature of 36°F or lower will occur before the designated date.

Median date of first fall temperature $\leq 32^{\circ}\text{F}$



Source: University of Missouri IPM Program, Missouri Climate Center and NOAA National Centers for Environmental Information

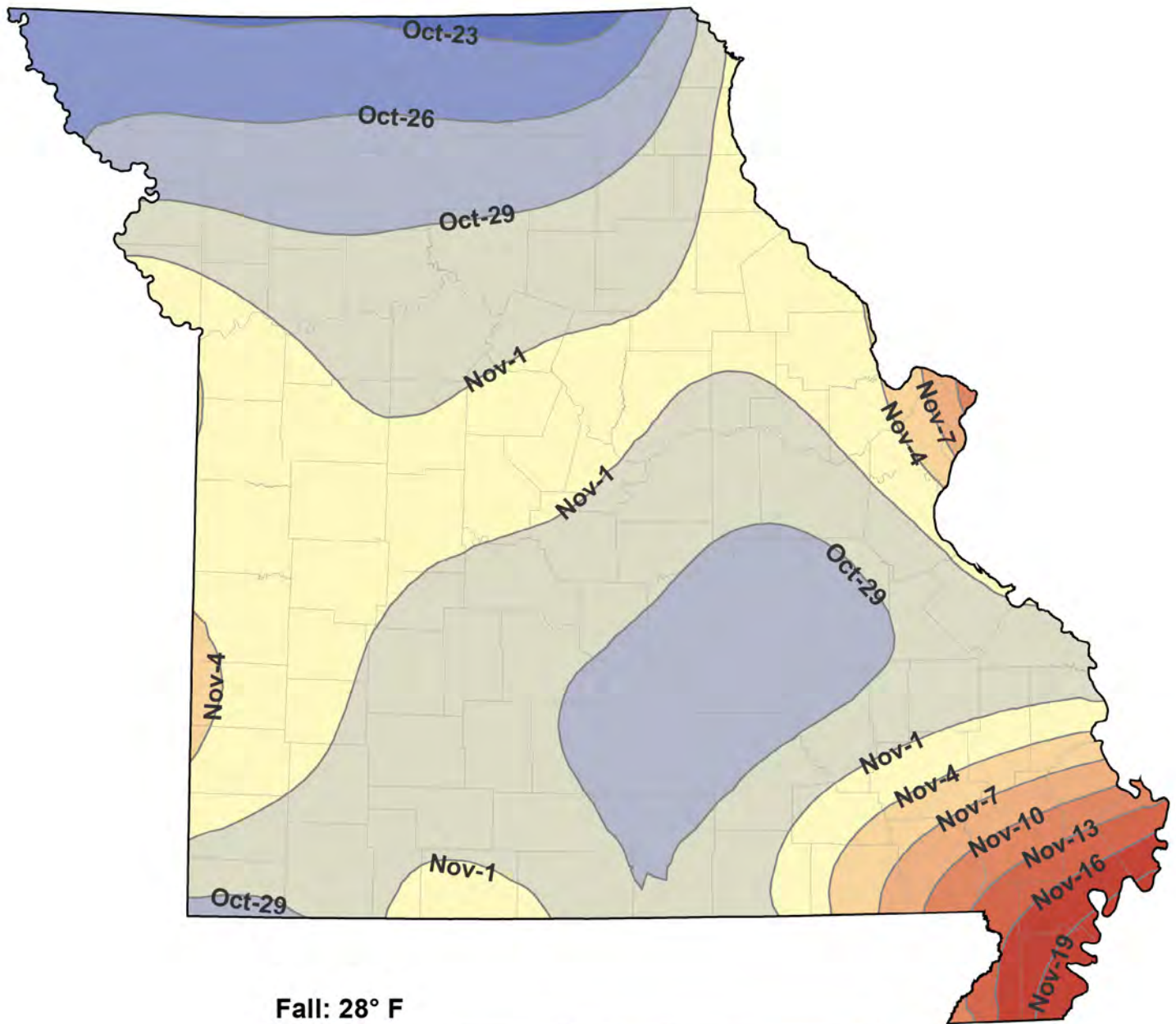
Fall: 32°F



KEY

- Period of record is 1981–2010.
- Fall median date — There is a 50 percent chance the first fall temperature of 32°F or lower will occur before the designated date.

Median date of first fall temperature $\leq 28^{\circ}\text{F}$



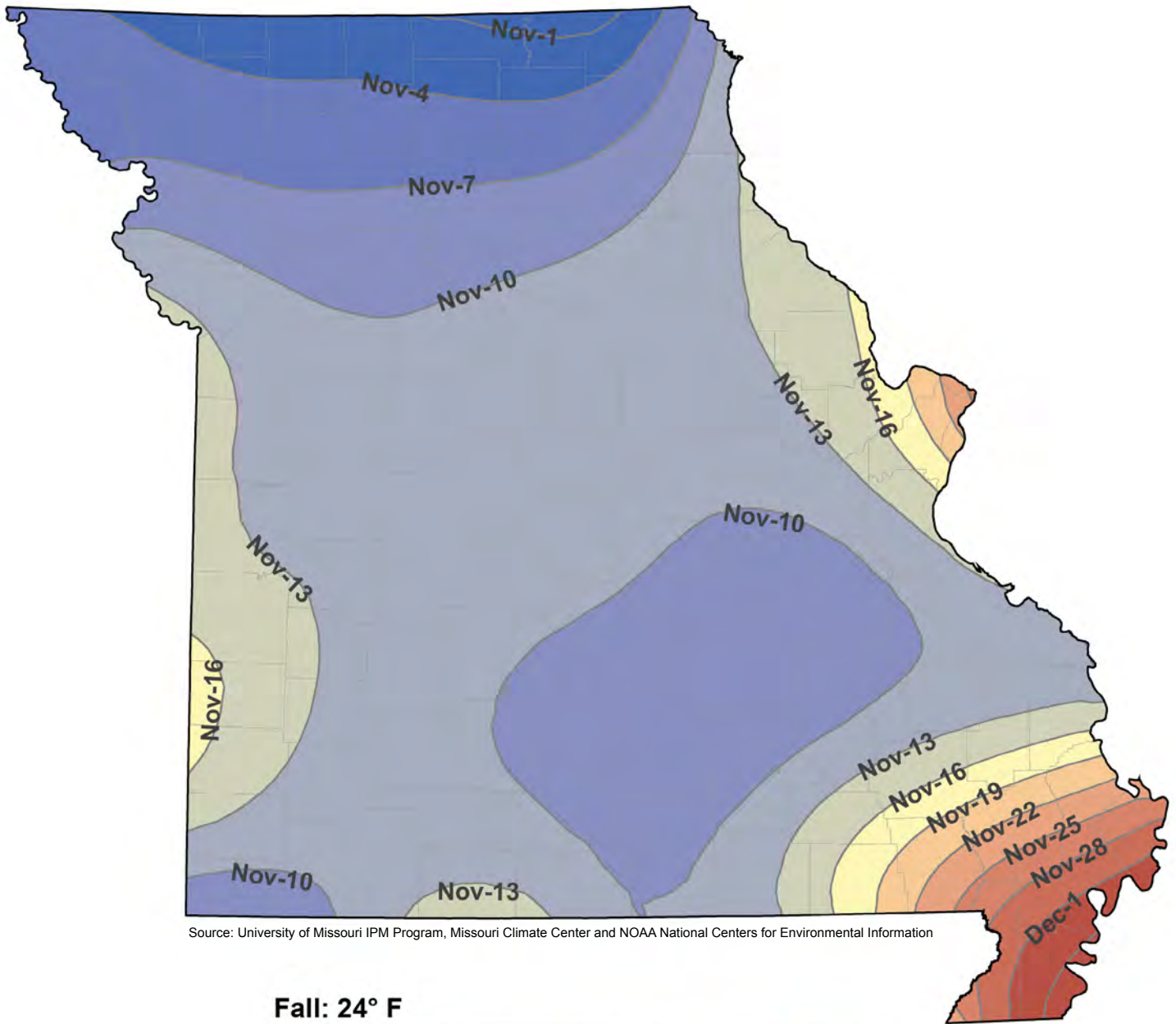
Fall: 28°F



KEY

- Period of record is 1981–2010.
- Fall median date — There is a 50 percent chance the first fall temperature of 28°F or lower will occur before the designated date.

Median date of first fall temperature $\leq 24^{\circ}\text{F}$



Source: University of Missouri IPM Program, Missouri Climate Center and NOAA National Centers for Environmental Information

Fall: 24°F



KEY

- Period of record is 1981–2010.
- Fall median date — There is a 50 percent chance the first fall temperature of 24°F or lower will occur before the designated date.

Section 3

Missouri Extreme Frost/Freeze Date Maps

Section 3 contains eight maps of Missouri’s most extreme frost/freeze dates at 23 long-term weather stations across the state during the spring and fall seasons. The period of record for these weather stations is at least 100 years and range from 1890 – 2015. These data are from the National Centers for Environmental Information (NCEI), <http://ncei.noaa.gov>.

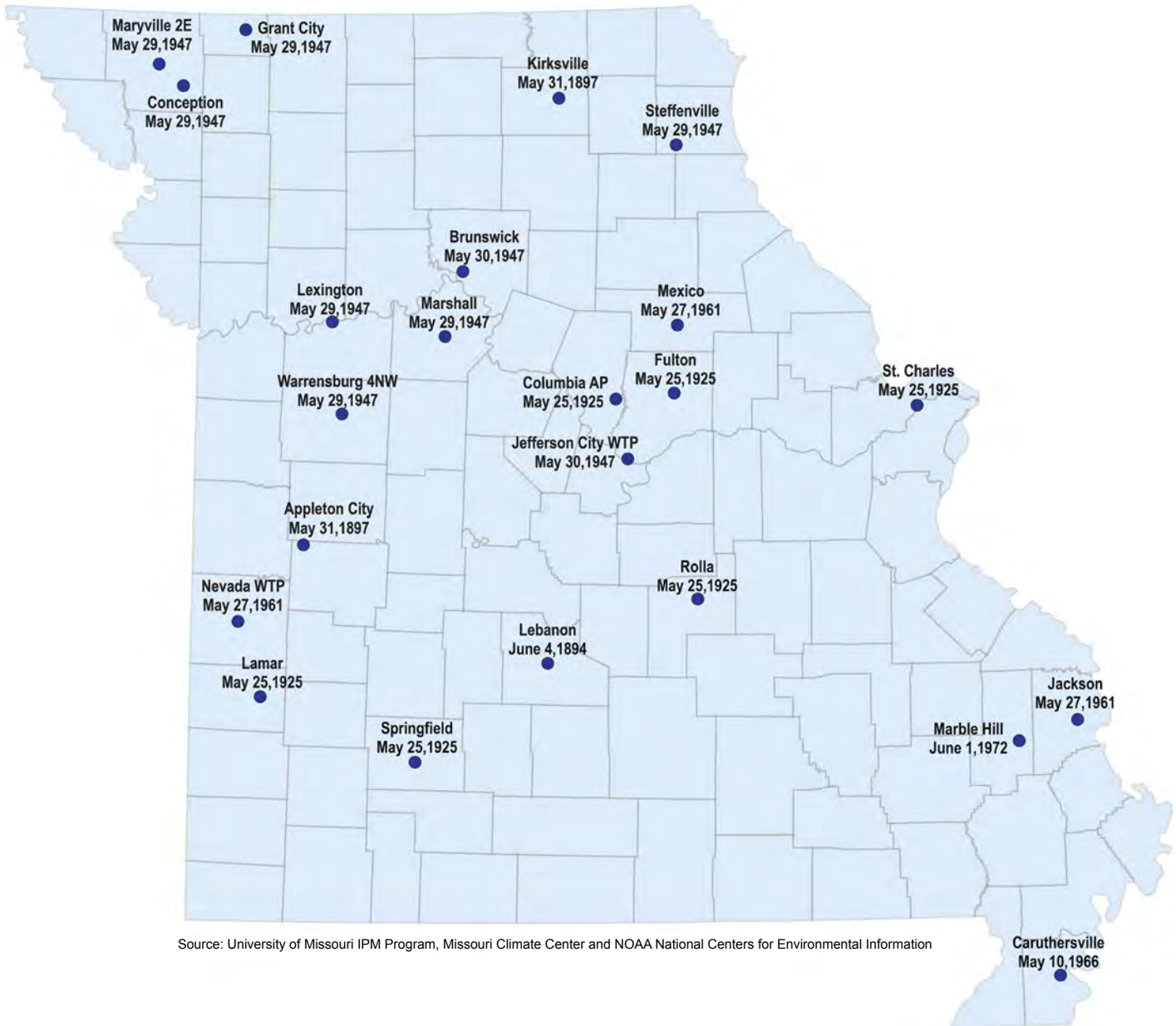
1. Extreme frost/freeze dates for spring temperature $\leq 36^{\circ}\text{F}$	26
2. Extreme frost/freeze dates for spring temperature $\leq 32^{\circ}\text{F}$	27
3. Extreme frost/freeze dates for spring temperature $\leq 28^{\circ}\text{F}$	28
4. Extreme frost/freeze dates for spring temperature $\leq 24^{\circ}\text{F}$	29
5. Extreme frost/freeze dates for fall temperature $\leq 36^{\circ}\text{F}$	30
6. Extreme frost/freeze dates for fall temperature $\leq 32^{\circ}\text{F}$	31
7. Extreme frost/freeze dates for fall temperature $\leq 28^{\circ}\text{F}$	32
8. Extreme frost/freeze dates for fall temperature $\leq 24^{\circ}\text{F}$	33

Missouri extreme frost/freeze dates

			Extreme date* of temperature								
Station/Location	Station ID	Period	Spring 36°F	Fall 36°F	Spring 32°F	Fall 32°F	Spring 28°F	Fall 28°F	Spring 24°F	Fall 24°F	
1	Appleton City	230204	1890–2015	5/31/1897	9/12/1940	5/9/1906	9/21/1913	5/4/1907	10/7/1952	4/24/1956	10/12/1909
2	Brunswick	231037	1890–2015	5/30/1947	9/12/1890	5/10/1966	9/19/1991	5/4/1907	10/2/1974	4/17/1990	10/19/1991
3	Caruthersville	231364	1899–2007	5/10/1966	9/14/1902	4/26/2001	9/30/1899	4/17/1905	10/8/1987	3/31/1987	10/29/1910
4	Columbia	231791	1890–2015	5/25/1925	9/13/1902	5/9/1906	9/18/1901	5/4/1907	9/30/1899	4/14/1950	10/9/1895
5	Conception	231822	1890–2015	5/29/1947	9/13/1890	5/29/1947	9/19/1991	5/4/1907	9/22/1995	4/24/1956	10/13/1979
6	Fulton	233079	1900–2015	5/25/1925	9/13/1902	5/25/1925	9/23/1995	5/3/1976	10/6/1952	4/19/1983	10/7/1952
7	Grant City	233369	1902–2009	5/29/1947	9/11/1940	5/29/1947	9/19/1991	5/7/1925	9/23/1989	4/29/1958	10/6/1988
8	Jackson	234226	1902–2015	5/27/1961	9/13/1902	5/10/1923	9/21/1927	4/27/1932	10/4/1987	4/14/1950	10/9/1917
9	Jefferson City	234271	1891–2015	5/30/1947	9/13/1902	5/27/1961	9/20/1983	5/3/1967	10/2/1987	5/2/1961	10/2/1987
10	Kirksville	234544	1894–2015	5/31/1897	9/7/1956	5/25/1925	9/13/1902	5/4/1907	9/26/1912	5/4/1907	10/6/1935
11	Lamar	234705	1892–2015	5/25/1925	9/13/1902	5/4/1944	9/24/1989	4/23/1956	9/27/1942	4/13/1957	10/7/1952
12	Lebanon	234825	1892–2015	6/4/1894	9/6/1988	5/26/1925	9/21/1983	5/6/1944	9/23/1983	4/19/1953	10/7/1952
13	Lexington	234904	1893–2008	5/29/1947	9/13/1902	5/7/1992	9/22/1995	5/4/1907	9/26/1912	4/15/1928	10/9/2000
14	Marble Hill	235253	1894–2015	6/1/1972	9/11/1940	5/26/1988	9/14/1902	5/9/1980	9/25/1950	4/20/1983	9/29/1942
15	Marshall	235298	1893–2015	5/29/1947	9/13/1902	5/25/1925	9/13/1902	5/4/1907	9/30/1895	4/15/1893	10/9/1895
16	Maryville 2E	235340	1897–2015	5/29/1947	9/3/1974	5/29/1947	9/18/1901	5/6/1944	9/23/1983	4/24/1956	9/29/1984
17	Mexico	235541	1893–2015	5/27/1961	9/11/1917	5/25/1925	9/13/1902	5/5/1907	9/28/1942	4/20/1983	10/10/1964
18	Nevada	235987	1898–2015	5/27/1961	9/11/1959	5/12/1960	9/21/1983	5/7/1989	9/23/1983	4/15/1983	10/7/1952
19	Rolla	237263	1908–2015	5/25/1925	9/20/1918	5/25/1925	9/28/1942	4/24/1956	10/7/1952	4/18/1953	10/20/1960
20	Springfield	237976	1889–2015	5/25/1925	9/12/1940	5/9/1980	9/24/1989	4/24/1910	10/8/2000	4/13/1957	10/9/2000
21	St. Charles	237397	1893–2015	5/25/1925	9/13/1902	5/25/1925	9/24/1983	4/24/1967	10/7/1952	4/14/1907	10/14/1979
22	Steffenville	238051	1898–2015	5/29/1947	9/13/1902	5/25/1925	9/19/1991	5/4/1907	9/24/1989	4/25/1910	9/28/1942
23	Warrensburg	238712	1899–2015	5/29/1947	9/13/1902	5/15/2000	9/18/1981	5/4/1907	10/2/1981	4/21/1982	10/9/2000

*The latest spring or earliest fall date the temperature was at or below the indicated temperature.

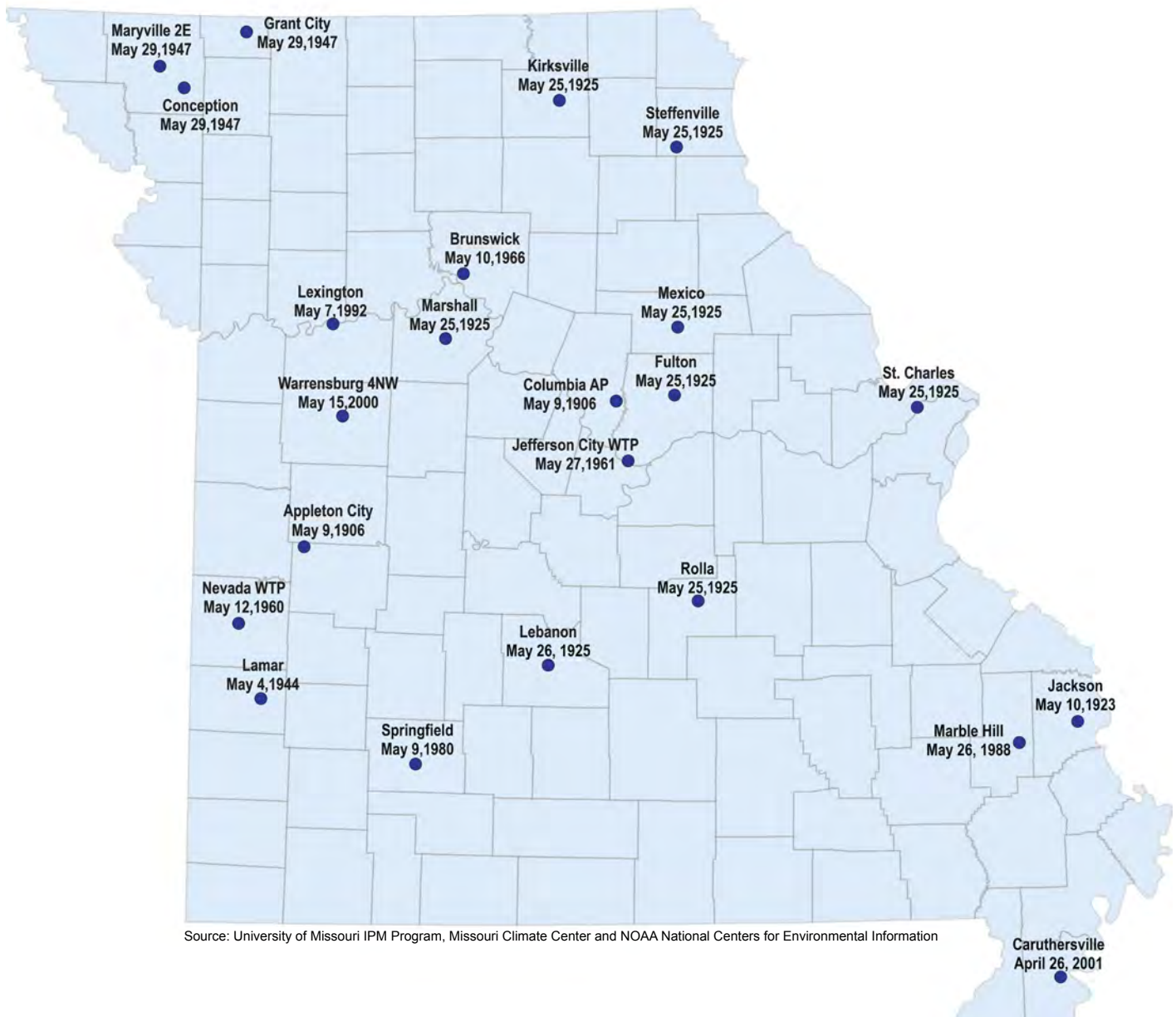
Extreme frost/freeze dates — Spring temperature $\leq 36^{\circ}\text{F}$



KEY

- Period of record is at least 100 years of nearly continuous observations and range from 1890 – 2015.
- Extreme date — The latest spring date a temperature of 36°F or lower occurred.
- ● — National Weather Service Cooperative weather station location.
- Date — date of most extreme temperature.

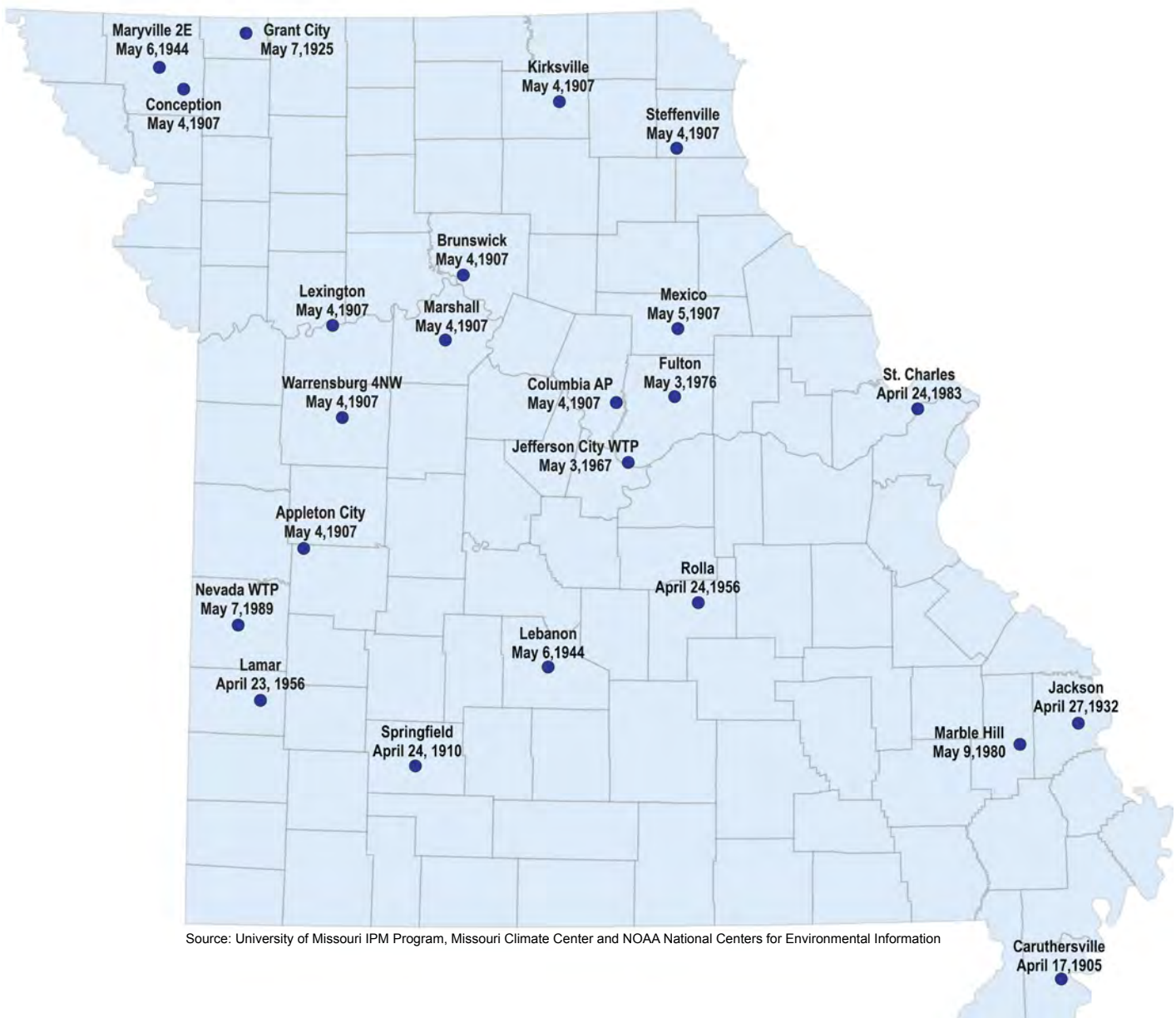
Extreme date of last spring temperature $\leq 32^{\circ}\text{F}$



KEY

- Period of record is at least 100 years of nearly continuous observations and range from 1890 – 2015.
- Extreme date — The latest spring date a temperature of 32°F or lower occurred.
- ● — National Weather Service Cooperative weather station location.
- Date — date of most extreme temperature.

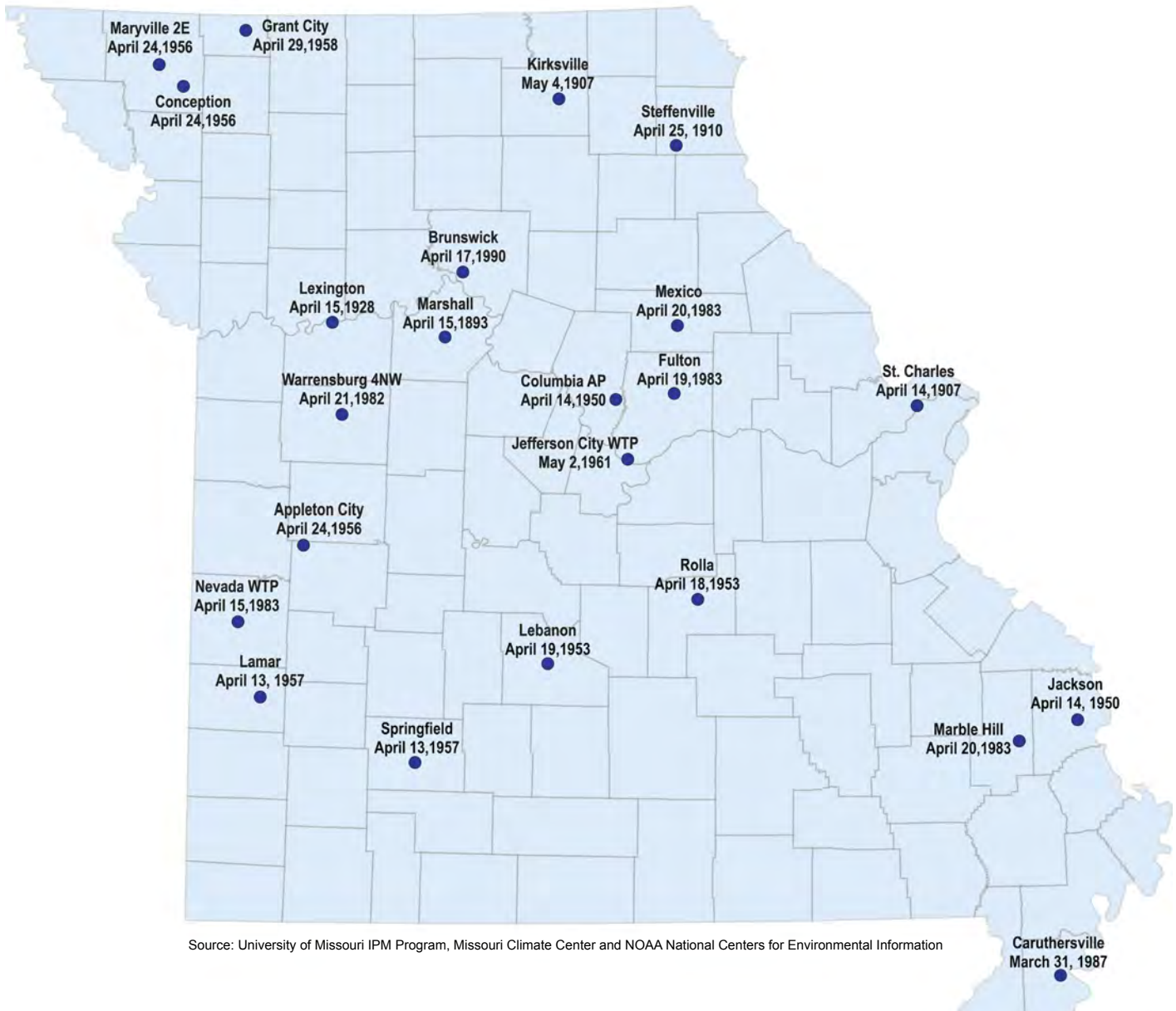
Extreme date of last spring temperature $\leq 28^{\circ}\text{F}$



KEY

- Period of record is at least 100 years of nearly continuous observations and range from 1890 – 2015.
- Extreme date — The latest spring date a temperature of 28°F or lower occurred.
- ● — National Weather Service Cooperative weather station location.
- Date — date of most extreme temperature.

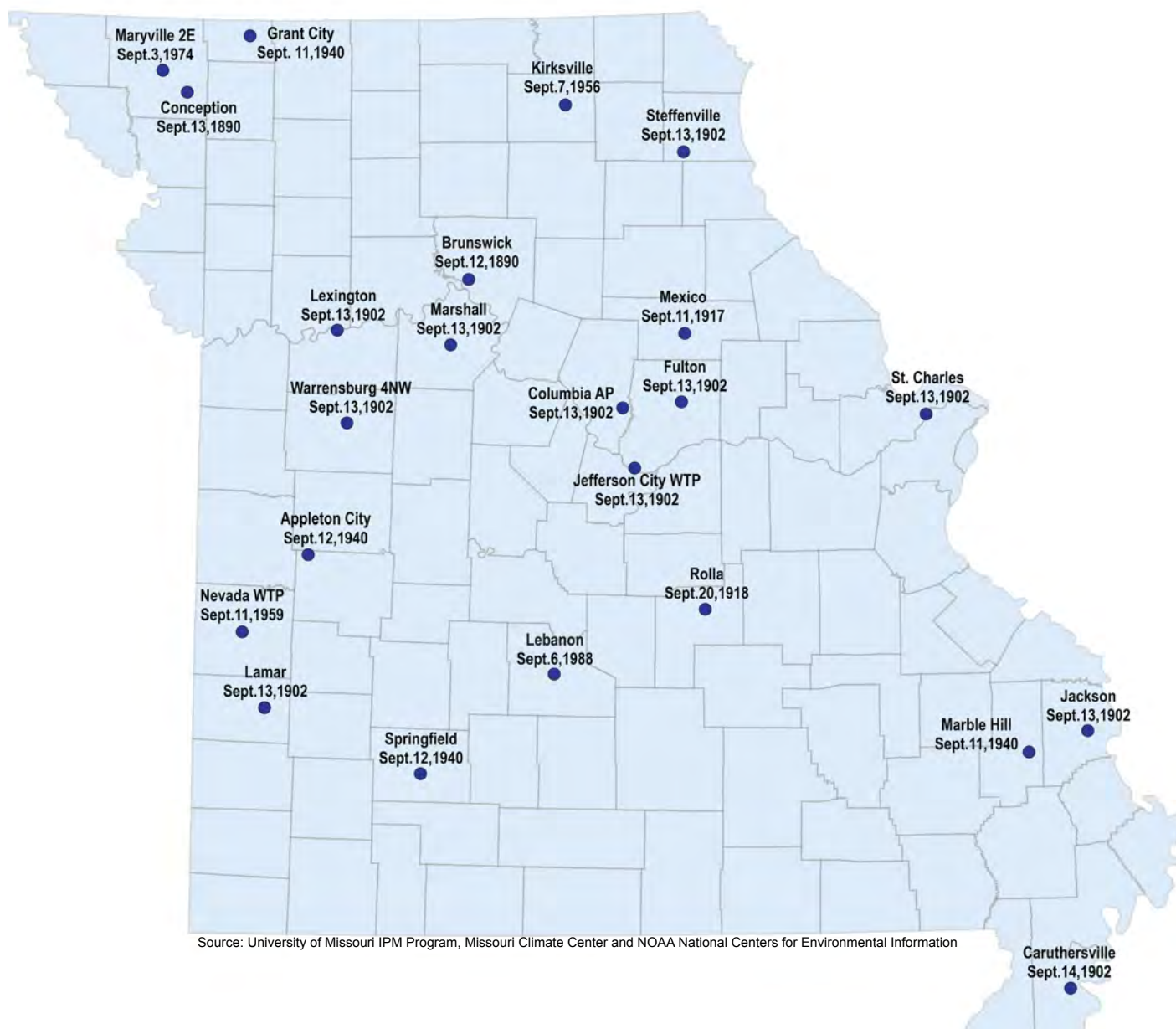
Extreme date of last spring temperature $\leq 24^{\circ}\text{F}$



KEY

- Period of record is at least 100 years of nearly continuous observations and range from 1890 – 2015.
- Extreme date — The latest spring date a temperature of 24°F or lower occurred.
- ● — National Weather Service Cooperative weather station location.
- Date — date of most extreme temperature.

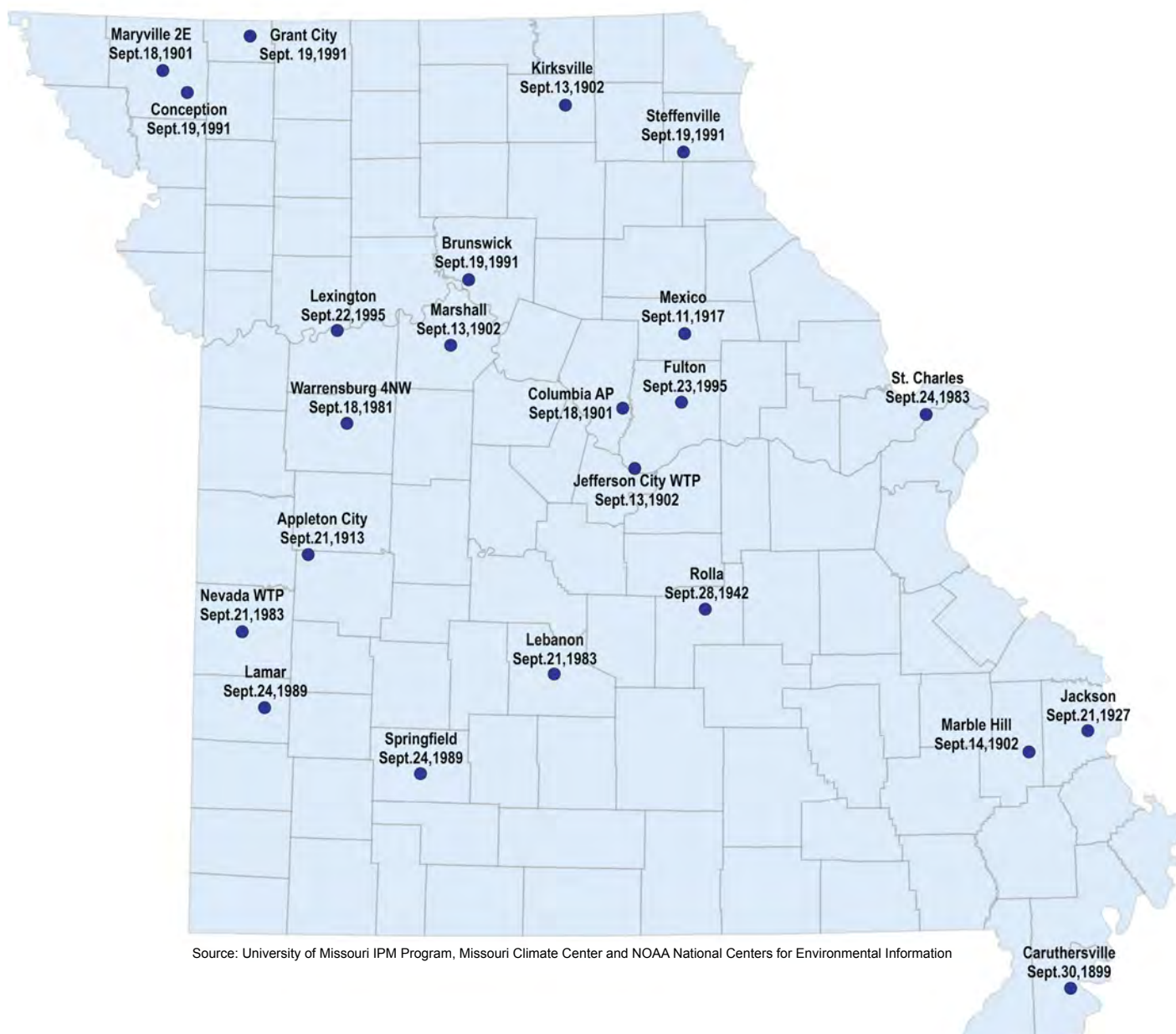
Extreme date of first fall temperature $\leq 36^{\circ}\text{F}$



KEY

- Period of record is at least 100 years of nearly continuous observations and range from 1890 – 2015.
- Extreme date — The first fall date a temperature of 36°F or lower occurred.
- ● — National Weather Service Cooperative weather station location.
- Date — date of most extreme temperature.

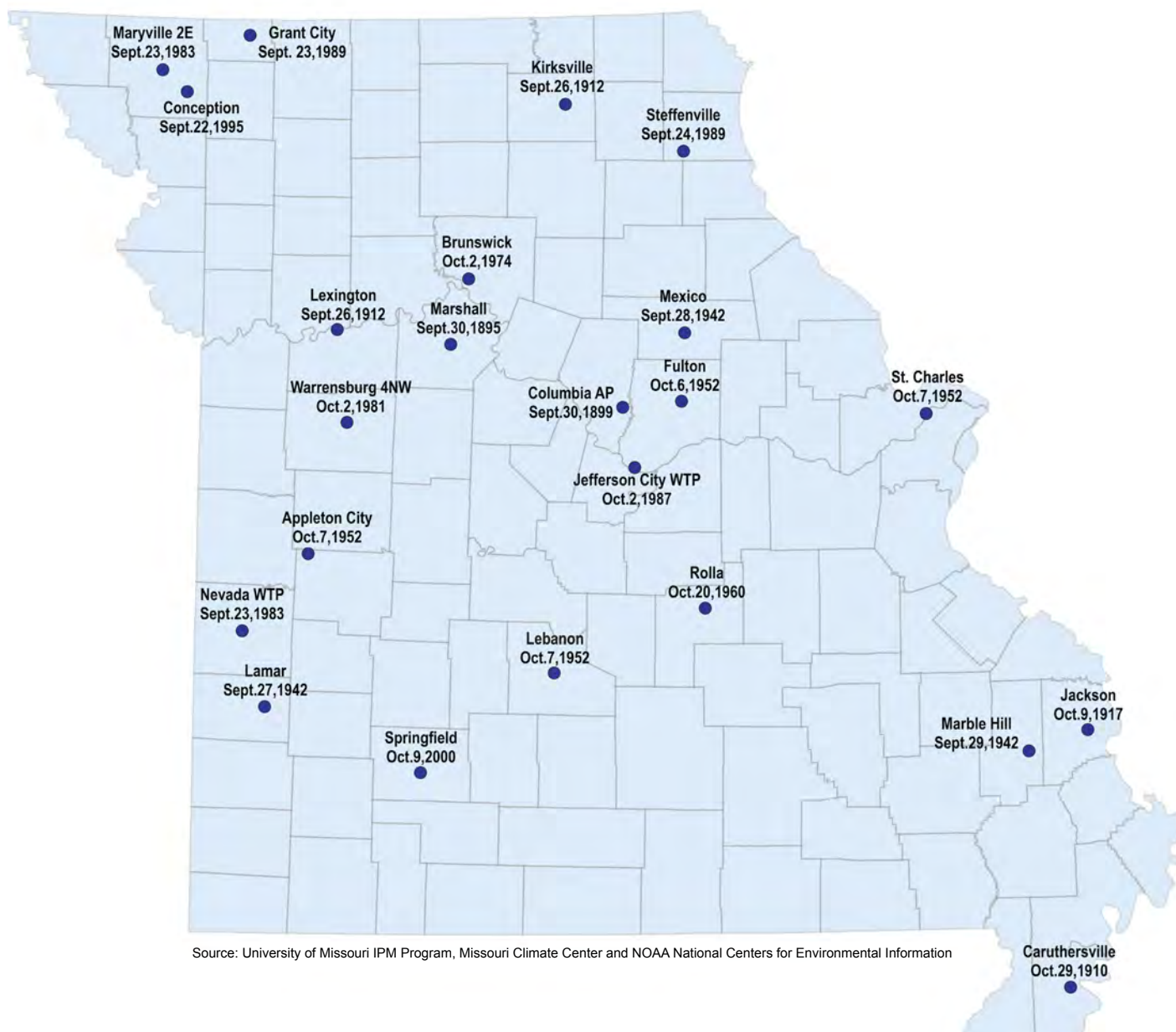
Extreme date of first fall temperature $\leq 32^{\circ}\text{F}$



KEY

- Period of record is at least 100 years of nearly continuous observations and range from 1890 – 2015.
- Extreme date — The first fall date a temperature of 32°F or lower occurred.
- ● — National Weather Service Cooperative weather station location.
- Date — date of most extreme temperature.

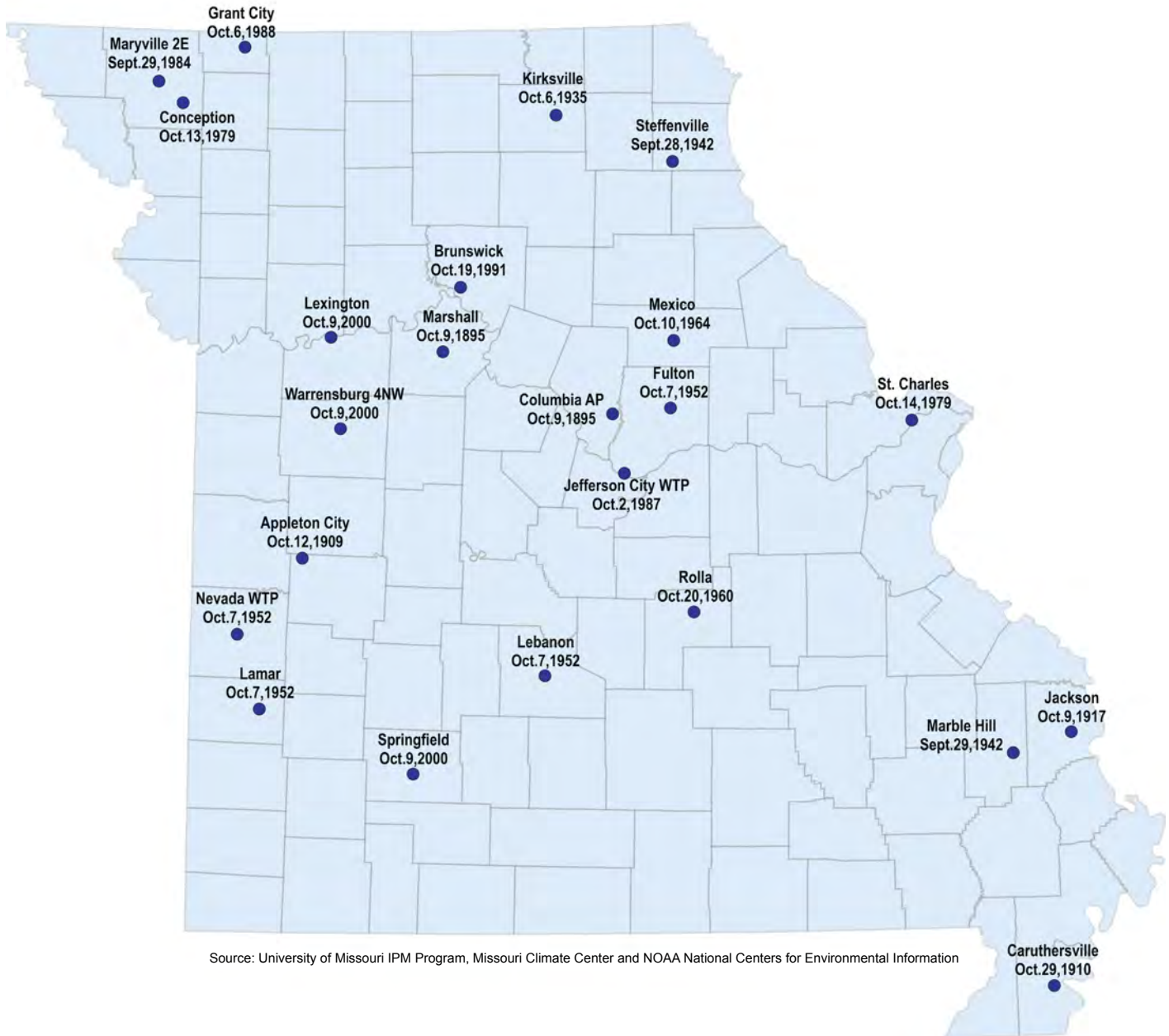
Extreme date of first fall temperature $\leq 28^{\circ}\text{F}$



KEY

- Period of record is at least 100 years of nearly continuous observations and range from 1890 – 2015.
- Extreme date — The first fall date a temperature of 28°F or lower occurred.
- ● — National Weather Service Cooperative weather station location.
- Date — date of most extreme temperature.

Extreme date of first fall temperature $\leq 24^{\circ}\text{F}$



KEY

- Period of record is at least 100 years of nearly continuous observations and range from 1890 – 2015.
- Extreme date — The first fall date a temperature of 24°F or lower occurred.
- ● — National Weather Service Cooperative weather station location.
- Date — date of most extreme temperature.

Section 4

Missouri Frost/Freeze Probabilities Tables

Section 4 contains a table for each of the 103 weather stations in Missouri, identified by county, station ID, location, latitude, longitude and elevation. Each table includes dates and probabilities for various temperature thresholds of the last spring and first fall freezes, and the growing season length for that location based on those dates. Data were used for the 30-year period 1981-2010.

Adair (Kirksville)	36	Madison (Fredericktown)	49
Audrain (Mexico)	36	Maries (Vienna 2 West-Northwest)	49
Audrain (Vandalia)	36	Marion (Hannibal Water Works)	49
Barry (Cassville Ranger Station)	36	McDonald (Anderson)	49
Barry (Monett)	37	Miller (Eldon)	50
Barton (Lamar)	37	Miller (Lakeside)	50
Bates (Butler 4 West)	37	Moniteau (California)	50
Benton (Truman Dam and Reservoir)	37	Morgan (Versailles)	50
Bollinger (Marble Hill)	38	New Madrid (New Madrid)	51
Boone (Columbia Regional Airport)	38	Newton (Neosho)	51
Buchanan (St. Joseph Rosecrans Airport)	38	Nodaway (Conception)	51
Butler (Poplar Bluff)	38	Nodaway (Maryville 2 East)	51
Caldwell (Hamilton 2 West)	39	Osage (Freedom)	52
Callaway (Fulton)	39	Ozark (Dora 1 North)	52
Cape Girardeau (Jackson)	39	Pemiscot (Caruthersville)	52
Carroll (Carrollton)	39	Pemiscot (Portageville)	52
Cedar (El Dorado Springs)	40	Perry (Perryville Water Plant)	53
Cedar (Stockton Dam)	40	Pettis (Sedalia Water Plant)	53
Chariton (Brunswick)	40	Phelps (Rolla University of Missouri)	53
Chariton (Salisbury)	40	Pike (Bowling Green 2 Northeast)	53
Christian (Billings 2 North)	41	Platte (Kansas City International Airport)	54
Clay (Kansas City Downtown Airport)	41	Pulaski (Waynesville 2 West)	54
Cole (Jefferson City Water Plant)	41	Ralls (Saverton Lock and Dam 22)	54
Cooper (Boonville)	41	Randolph (Moberly)	54
Crawford (Steelville 2 North)	42	Reynolds (Bunker)	55
Dade (Lockwood)	42	Ripley (Doniphan)	55
Dallas (Buffalo)	42	Saline (Marshall)	55
DeKalb (Amity 4 Northeast)	42	Saline (Sweet Springs)	55
Dent (Salem)	43	Scotland (Memphis)	56
Dunklin (Malden Municipal Airport)	43	Scott (Cape Girardeau Municipal Airport)	56
Franklin (Union)	43	Scott (Sikeston Power Station)	56
Gasconade (Rosebud)	43	Shelby (Shelbina)	56
Greene (Springfield Regional Airport)	44	St. Charles (St. Charles)	57
Grundy (Spickard 7 West)	44	St. Charles (Weldon Spring)	57
Harrison (Bethany)	44	St. Clair (Appleton City)	57
Henry (Clinton)	44	St. Clair (Osceola)	57
Henry (Windsor)	45	St. Francois (Farmington)	58
Hickory (Pomme de Terre Dam)	45	St. Louis (St. Charles 7 South-Southwest)	58
Howard (New Franklin 1 West)	45	St. Louis (St. Louis Lambert International Airport)	58
Howell (West Plains)	45	Stone (Galena)	58
Jackson (Lee's Summit Reed Wildlife Refuge)	46	Taney (Ozark Beach)	59
Jasper (Carthage 5 South)	46	Texas (Houston)	59
Jasper (Joplin Regional Airport)	46	Texas (Licking 4 North)	59
Jefferson (Festus)	46	Texas (Summersville)	59
Johnson (Warrensburg 4 Northwest)	47	Vernon (Nevada Water Plant)	60
Lafayette (Lexington 3 Northeast)	47	Warren (Warrenton)	60
Lawrence (Mount Vernon MU Southwest Center)	47	Wayne (Clearwater Dam)	60
Lewis (Canton Lock and Dam 20)	47	Wayne (Wappapello Dam)	60
Lewis (Steffenville)	48	Webster (Marshfield 2 East)	61
Lincoln (Elsberry 1 South)	48	Worth (Grant City)	61
Linn (Brookfield)	48	Wright (Mountain Grove 2 North)	61
Livingston (Chillicothe 2 South)	48		

Note: A number and direction at the end of a location name indicates the miles and direction the weather station is from the town or city.

Adair station ID: 234544 location: Kirksville lat: 40.206 long: -92.575 elev: 970 ft.															
Temp	Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date														
	10%			30%			50%			70%			90%		
(°F)	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*
36	5/16	9/18	169	5/07	9/25	157	5/02	10/01	149	4/27	10/06	141	4/19	10/15	129
32	5/05	9/25	190	4/29	10/05	177	4/24	10/11	169	4/17	10/18	161	4/09	10/26	149
28	4/29	10/06	211	4/20	10/17	199	4/13	10/23	190	4/08	10/29	182	3/31	11/06	169
24	4/20	10/19	232	4/10	10/28	219	4/04	11/02	211	3/30	11/08	202	3/19	11/17	189

Audrain station ID: 235541 location: Mexico lat: 39.176 long: -91.886 elev: 802 ft.															
Temp	Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date														
	10%			30%			50%			70%			90%		
(°F)	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*
36	5/08	9/28	192	4/30	10/06	179	4/24	10/12	170	4/17	10/18	161	4/08	10/27	148
32	4/28	10/07	214	4/19	10/17	202	4/12	10/24	193	4/05	10/30	184	3/29	11/07	172
28	4/17	10/18	237	4/08	10/29	224	4/02	11/04	215	3/28	11/11	206	3/18	11/20	193
24	4/08	11/01	260	3/31	11/08	246	3/24	11/15	236	3/17	11/24	227	3/07	12/03	213

Audrain station ID: 238577 location: Vandalia lat: 39.317 long: -91.483 elev: 764 ft.															
Temp	Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date														
	10%			30%			50%			70%			90%		
(°F)	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*
36	5/07	9/26	189	4/29	10/03	177	4/23	10/10	169	4/17	10/16	160	4/08	10/24	148
32	4/27	10/05	212	4/18	10/15	200	4/12	10/22	191	4/06	10/28	182	3/30	11/05	170
28	4/17	10/16	234	4/08	10/26	221	4/03	11/01	212	3/28	11/07	203	3/18	11/17	190
24	4/08	10/26	256	3/31	11/05	242	3/23	11/12	232	3/17	11/19	223	3/07	12/01	209

Barry station ID: 231383 location: Cassville Ranger Station lat: 36.673 long: -93.858 elev: 1,340 ft.															
Temp	Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.														
	10%			30%			50%			70%			90%		
(°F)	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*
36	5/12	9/21	179	5/04	9/30	167	4/29	10/05	158	4/24	10/12	150	4/15	10/20	137
32	5/03	9/29	200	4/26	10/08	187	4/20	10/16	178	4/14	10/23	169	4/04	11/02	156
28	4/24	10/09	223	4/16	10/20	208	4/10	10/27	199	4/03	11/03	190	3/24	11/13	176
24	4/16	10/19	247	4/07	10/31	231	4/01	11/07	220	3/23	11/15	210	3/10	11/26	195

*Season length — number of days between last spring and first fall temperature at or lower than 36°F, 32°F, 28°F and 24°F.

Barry station ID: 235704 location: Monett lat: 36.862 long: -93.962 elev: 1,380 ft.															
Temp	Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date														
	10%			30%			50%			70%			90%		
(°F)	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*
36	5/06	9/28	196	4/29	10/07	183	4/23	10/14	173	4/16	10/20	164	4/07	10/29	151
32	4/26	10/08	217	4/18	10/19	204	4/12	10/25	196	4/05	11/01	187	3/27	11/09	173
28	4/17	10/18	239	4/08	10/29	226	4/02	11/04	216	3/27	11/11	207	3/17	11/21	194
24	4/08	10/29	263	3/31	11/07	247	3/22	11/16	237	3/15	11/23	227	3/04	12/03	212

Barton station ID: 234705 location: Lamar lat: 37.493 long: -94.315 elev: 996 ft.															
Temp	Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date														
	10%			30%			50%			70%			90%		
(°F)	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*
36	5/03	9/29	198	4/26	10/08	185	4/21	10/15	177	4/14	10/22	168	4/05	10/31	155
32	4/25	10/08	221	4/16	10/20	208	4/10	10/27	199	4/04	11/01	190	3/26	11/11	176
28	4/14	10/19	245	4/06	11/01	230	4/01	11/06	220	3/25	11/14	211	3/15	11/25	197
24	4/05	11/01	270	3/29	11/10	255	3/20	11/19	244	3/12	11/28	234	3/01	12/07	218

Bates station ID: 231145 location: Butler 4W lat: 38.261 long: -94.405 elev: 790 ft.															
Temp	Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date														
	10%			30%			50%			70%			90%		
(°F)	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*
36	5/08	9/22	185	4/30	10/01	172	4/26	10/08	163	4/21	10/15	154	4/12	10/24	142
32	4/30	9/30	206	4/23	10/11	192	4/17	10/19	183	4/11	10/26	174	4/01	11/03	160
28	4/22	10/10	226	4/13	10/22	213	4/07	10/30	204	4/01	11/04	194	3/22	11/13	180
24	4/13	10/22	247	4/04	11/01	233	3/30	11/07	223	3/21	11/15	213	3/10	11/25	199

Benton station ID: 238466 location: Truman Dam and Reservoir lat: 38.258 long: -93.399 elev: 632 ft.															
Temp	Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.														
	10%			30%			50%			70%			90%		
(°F)	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*
36	5/06	9/29	193	4/29	10/07	182	4/24	10/14	173	4/18	10/21	164	4/10	10/30	152
32	4/26	10/07	215	4/19	10/19	203	4/13	10/26	194	4/08	11/01	185	3/30	11/10	172
28	4/18	10/20	239	4/09	10/31	225	4/03	11/05	216	3/28	11/13	207	3/18	11/22	193
24	4/09	11/01	264	3/31	11/11	249	3/22	11/18	239	3/14	11/26	229	3/05	12/04	215

*Season length — number of days between last spring and first fall temperature at or lower than 36°F, 32°F, 28°F and 24°F.

Bollinger station ID: 235253 location: Marble Hill lat: 37.304 long: -89.966 elev: 390 ft.															
Temp	Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date														
	10%			30%			50%			70%			90%		
(°F)	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*
36	5/12	9/24	182	5/03	10/01	170	4/28	10/07	161	4/22	10/13	153	4/13	10/21	141
32	5/01	10/02	205	4/23	10/11	192	4/16	10/17	183	4/10	10/23	175	3/31	11/01	162
28	4/20	10/11	229	4/12	10/22	215	4/05	10/29	206	3/30	11/04	197	3/21	11/13	184
24	4/11	10/23	254	4/02	11/02	239	3/26	11/09	229	3/18	11/17	219	3/09	11/28	204

Boone station ID: 231791 location: Columbia Regional Airport lat: 38.817 long: -92.218 elev: 893 ft.															
Temp	Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date														
	10%			30%			50%			70%			90%		
(°F)	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*
36	5/05	9/26	192	4/28	10/04	179	4/22	10/10	170	4/15	10/17	162	4/06	10/25	149
32	4/24	10/06	215	4/16	10/17	203	4/09	10/23	195	4/04	10/29	186	3/27	11/06	174
28	4/15	10/18	237	4/07	10/28	224	4/01	11/03	215	3/26	11/09	207	3/17	11/19	194
24	4/06	10/31	261	3/29	11/07	247	3/21	11/14	237	3/15	11/22	227	3/04	12/01	214

Buchanan station ID: 237440 location: St. Joseph Rosecrans Airport lat: 39.774 long: -94.923 elev: 818 ft.															
Temp	Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date														
	10%			30%			50%			70%			90%		
(°F)	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*
36	5/07	9/19	178	4/30	9/27	166	4/26	10/02	158	4/20	10/07	150	4/12	10/16	139
32	4/30	9/28	199	4/22	10/06	187	4/16	10/13	178	4/10	10/19	169	4/02	10/28	157
28	4/21	10/08	220	4/12	10/18	208	4/07	10/24	199	4/02	10/31	191	3/23	11/08	178
24	4/12	10/20	242	4/04	10/29	229	3/30	11/04	219	3/22	11/10	211	3/13	11/20	198

Butler station ID: 236791 location: Poplar Bluff lat: 36.758 long: -90.406 elev: 370 ft.															
Temp	Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.														
	10%			30%			50%			70%			90%		
(°F)	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*
36	4/25	10/06	215	4/17	10/16	202	4/11	10/23	194	4/05	10/29	184	3/27	11/06	172
32	4/14	10/16	238	4/06	10/27	225	3/31	11/02	216	3/25	11/09	207	3/16	11/19	193
28	4/04	10/26	265	3/26	11/06	250	3/19	11/14	239	3/12	11/23	229	3/02	12/03	214
24	3/24	11/05	290	3/14	11/18	275	3/06	11/29	264	2/28	12/05	253	2/16	12/16	237

*Season length — number of days between last spring and first fall temperature at or lower than 36°F, 32°F, 28°F and 24°F.

Caldwell | station ID: 233568 | location: Hamilton 2W | lat: 39.742 | long: -94.035 | elev: 900 ft.

Temp	Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date														
	10%			30%			50%			70%			90%		
(°F)	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*
36	5/24	9/16	162	5/13	9/23	151	5/07	9/29	143	5/01	10/05	134	4/24	10/12	121
32	5/11	9/22	184	5/02	10/01	171	4/27	10/08	163	4/22	10/14	154	4/14	10/23	141
28	5/01	10/02	206	4/24	10/13	193	4/18	10/20	184	4/12	10/26	175	4/03	11/02	163
24	4/21	10/15	226	4/13	10/24	214	4/07	10/31	205	4/01	11/05	196	3/22	11/15	184

Callaway | station ID: 233079 | location: Fulton | lat: 38.847 | long: -91.941 | elev: 784 ft.

Temp	Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date														
	10%			30%			50%			70%			90%		
(°F)	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*
36	5/07	9/27	193	4/29	10/05	180	4/22	10/12	171	4/15	10/18	162	4/06	10/25	148
32	4/24	10/06	216	4/16	10/17	204	4/10	10/24	196	4/04	10/29	186	3/27	11/06	174
28	4/16	10/19	237	4/07	10/29	225	4/01	11/03	216	3/26	11/09	208	3/17	11/17	194
24	4/07	10/31	260	3/29	11/07	246	3/22	11/14	237	3/15	11/21	228	3/05	12/01	215

Cape Girardeau | station ID: 234226 | location: Jackson | lat: 37.378 | long: -89.668 | elev: 440 ft.

Temp	Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date														
	10%			30%			50%			70%			90%		
(°F)	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*
36	5/03	9/30	195	4/26	10/07	183	4/20	10/13	174	4/14	10/19	166	4/06	10/27	155
32	4/23	10/08	216	4/16	10/18	204	4/10	10/24	196	4/04	10/30	187	3/27	11/06	175
28	4/15	10/17	238	4/07	10/28	225	4/01	11/03	216	3/25	11/09	207	3/17	11/19	194
24	4/05	10/28	262	3/27	11/06	248	3/20	11/14	238	3/14	11/22	228	3/05	12/03	214

Carroll | station ID: 231340 | location: Carrollton | lat: 39.359 | long: -93.489 | elev: 705 ft.

Temp	Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.														
	10%			30%			50%			70%			90%		
(°F)	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*
36	5/09	9/20	180	5/01	9/29	168	4/27	10/04	160	4/21	10/11	152	4/13	10/21	140
32	5/01	9/29	203	4/24	10/09	190	4/17	10/17	181	4/11	10/24	172	4/03	11/01	158
28	4/23	10/11	224	4/13	10/22	212	4/07	10/29	203	4/01	11/03	194	3/22	11/12	180
24	4/13	10/25	248	4/04	11/03	234	3/28	11/08	225	3/21	11/14	216	3/11	11/24	203

*Season length — number of days between last spring and first fall temperature at or lower than 36°F, 32°F, 28°F and 24°F.

Cedar station ID: 232511 location: El Dorado Springs lat: 37.864 long: -94.016 elev: 920 ft.															
Temp	Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date														
	10%			30%			50%			70%			90%		
(°F)	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*
36	5/08	9/23	190	4/30	10/02	176	4/25	10/10	166	4/19	10/17	156	4/09	10/27	142
32	5/02	9/30	211	4/22	10/12	197	4/15	10/21	187	4/08	10/28	176	3/30	11/06	161
28	4/23	10/11	234	4/11	10/25	219	4/04	11/01	209	3/29	11/08	198	3/18	11/19	183
24	4/10	10/25	259	3/31	11/05	244	3/23	11/13	233	3/16	11/21	222	3/05	12/02	205

Cedar station ID: 238082 location: Stockton Dam lat: 37.697 long: -93.772 elev: 873 ft.															
Temp	Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date														
	10%			30%			50%			70%			90%		
(°F)	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*
36	5/05	9/23	193	4/27	10/03	180	4/22	10/11	171	4/15	10/18	161	4/07	10/26	147
32	4/25	10/01	215	4/17	10/15	202	4/11	10/23	193	4/05	10/29	183	3/28	11/07	168
28	4/16	10/14	239	4/07	10/27	225	4/01	11/03	215	3/26	11/10	206	3/16	11/21	191
24	4/06	10/29	264	3/28	11/07	249	3/21	11/15	239	3/14	11/23	228	3/04	12/04	213

Chariton station ID: 231037 location: Brunswick lat: 39.425 long: -93.133 elev: 662 ft.															
Temp	Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date														
	10%			30%			50%			70%			90%		
(°F)	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*
36	5/08	9/23	189	4/30	10/02	177	4/24	10/10	168	4/18	10/17	158	4/09	10/26	145
32	4/27	10/03	212	4/19	10/15	200	4/13	10/22	191	4/07	10/29	181	3/31	11/06	167
28	4/18	10/17	234	4/09	10/27	221	4/04	11/02	212	3/29	11/08	203	3/19	11/18	190
24	4/10	10/29	258	4/01	11/06	243	3/25	11/13	233	3/18	11/20	223	3/08	12/01	210

Chariton station ID: 237514 location: Salisbury lat: 39.425 long: -92.811 elev: 730 ft.															
Temp	Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.														
	10%			30%			50%			70%			90%		
(°F)	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*
36	5/09	9/21	182	5/01	9/29	170	4/26	10/05	162	4/20	10/12	153	4/11	10/20	140
32	4/30	9/30	206	4/22	10/10	193	4/16	10/17	184	4/09	10/24	174	3/31	11/01	161
28	4/20	10/11	228	4/11	10/23	215	4/05	10/30	206	3/31	11/04	197	3/20	11/14	183
24	4/10	10/24	253	4/02	11/03	238	3/26	11/10	228	3/19	11/17	219	3/08	11/29	205

*Season length — number of days between last spring and first fall temperature at or lower than 36°F, 32°F, 28°F and 24°F.

Christian station ID: 230657 location: Billings 2N lat: 37.054 long: -93.575 elev: 1,332 ft.															
Temp	Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date														
	10%			30%			50%			70%			90%		
(°F)	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*
36	5/09	9/25	186	5/01	10/03	173	4/27	10/09	165	4/20	10/15	156	4/12	10/24	143
32	4/30	10/03	208	4/21	10/14	195	4/15	10/20	186	4/09	10/26	177	3/31	11/04	165
28	4/20	10/14	229	4/11	10/23	216	4/05	10/31	208	3/31	11/05	199	3/21	11/15	186
24	4/11	10/23	253	4/03	11/02	238	3/27	11/10	228	3/19	11/17	218	3/09	11/27	204

Clay station ID: 234359 location: Kansas City Downtown Airport lat: 39.121 long: -94.597 elev: 742 ft.															
Temp	Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date														
	10%			30%			50%			70%			90%		
(°F)	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*
36	4/30	10/04	209	4/21	10/16	197	4/15	10/23	189	4/09	10/29	180	4/01	11/05	168
32	4/20	10/18	231	4/11	10/28	218	4/05	11/02	210	3/31	11/08	201	3/21	11/17	188
28	4/10	10/29	252	4/02	11/05	239	3/27	11/12	229	3/20	11/18	220	3/10	11/28	208
24	4/01	11/05	274	3/23	11/15	260	3/16	11/22	250	3/08	11/29	240	2/27	12/08	227

Cole station ID: 234271 location: Jefferson City Water Plant lat: 38.585 long: -92.182 elev: 670 ft.															
Temp	Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date														
	10%			30%			50%			70%			90%		
(°F)	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*
36	5/03	10/01	200	4/26	10/10	187	4/19	10/16	178	4/13	10/22	170	4/03	10/29	157
32	4/23	10/09	221	4/14	10/21	209	4/08	10/27	201	4/02	11/01	192	3/24	11/09	179
28	4/14	10/21	244	4/04	11/01	231	3/30	11/06	221	3/22	11/13	212	3/13	11/24	198
24	4/05	11/01	269	3/26	11/10	254	3/18	11/18	243	3/12	11/26	233	3/01	12/05	218

Cooper station ID: 230817 location: Boonville lat: 38.971 long: -92.760 elev: 744 ft.															
Temp	Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.														
	10%			30%			50%			70%			90%		
(°F)	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*
36	5/01	9/30	199	4/24	10/08	187	4/18	10/15	178	4/12	10/21	170	4/03	10/28	157
32	4/21	10/11	221	4/13	10/21	209	4/08	10/27	201	4/02	11/01	192	3/24	11/10	179
28	4/13	10/22	244	4/05	11/01	231	3/31	11/06	222	3/22	11/13	213	3/12	11/23	200
24	4/05	11/02	267	3/26	11/11	253	3/18	11/18	244	3/11	11/25	234	3/02	12/04	221

*Season length — number of days between last spring and first fall temperature at or lower than 36°F, 32°F, 28°F and 24°F.

Crawford station ID: 238043 location: Steelville 2N lat: 38.005 long: -91.370 elev: 700 ft.															
Temp	Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date														
	10%			30%			50%			70%			90%		
(°F)	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*
36	5/28	9/14	158	5/18	9/22	146	5/09	9/27	136	5/02	10/01	127	4/24	10/10	115
32	5/17	9/22	179	5/06	9/30	166	4/30	10/05	157	4/24	10/12	147	4/15	10/22	134
28	5/06	10/01	204	4/27	10/10	189	4/20	10/17	179	4/12	10/24	169	4/01	11/03	155
24	4/24	10/10	226	4/15	10/22	213	4/07	10/30	203	3/31	11/04	193	3/22	11/13	179

Dade station ID: 235027 location: Lockwood lat: 37.391 long: -93.949 elev: 1,070 ft.															
Temp	Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date														
	10%			30%			50%			70%			90%		
(°F)	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*
36	5/05	9/25	192	4/29	10/04	179	4/23	10/11	169	4/17	10/19	161	4/08	10/27	148
32	4/26	10/02	213	4/18	10/15	200	4/12	10/22	191	4/06	10/29	182	3/29	11/06	168
28	4/17	10/12	233	4/09	10/25	220	4/03	11/01	210	3/28	11/07	201	3/18	11/17	186
24	4/09	10/23	257	3/31	11/03	242	3/24	11/11	231	3/16	11/18	221	3/05	11/29	205

Dallas station ID: 231087 location: Buffalo lat: 37.667 long: -93.107 elev: 1,086 ft.															
Temp	Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date														
	10%			30%			50%			70%			90%		
(°F)	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*
36	5/17	9/16	170	5/08	9/25	158	5/02	10/01	149	4/27	10/07	141	4/18	10/15	128
32	5/06	9/24	192	4/29	10/03	179	4/22	10/10	169	4/16	10/18	160	4/07	10/28	147
28	4/27	10/02	215	4/18	10/15	202	4/11	10/22	192	4/04	10/29	182	3/26	11/07	167
24	4/16	10/15	238	4/07	10/27	224	3/31	11/02	214	3/24	11/09	205	3/15	11/19	191

DeKalb station ID: 230143 location: Amity 4NE lat: 39.891 long: -94.360 elev: 974 ft.															
Temp	Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.														
	10%			30%			50%			70%			90%		
(°F)	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*
36	5/11	9/19	180	5/02	9/28	168	4/27	10/05	159	4/22	10/11	150	4/14	10/20	138
32	5/01	9/29	202	4/23	10/09	189	4/17	10/16	181	4/11	10/23	171	4/03	10/31	158
28	4/22	10/09	222	4/13	10/21	210	4/07	10/28	201	4/02	11/03	192	3/25	11/11	179
24	4/14	10/21	243	4/06	11/01	229	3/31	11/07	220	3/25	11/14	212	3/14	11/23	198

*Season length — number of days between last spring and first fall temperature at or lower than 36°F, 32°F, 28°F and 24°F.

Dent station ID: 237506 location: Salem lat: 37.633 long: -91.536 elev: 1,200 ft.															
Temp	Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date														
	10%			30%			50%			70%			90%		
(°F)	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*
36	5/08	9/25	190	4/29	10/02	176	4/23	10/08	167	4/16	10/15	158	4/07	10/24	145
32	4/27	10/03	214	4/18	10/14	201	4/11	10/21	191	4/04	10/28	181	3/26	11/06	167
28	4/17	10/15	236	4/07	10/26	223	3/31	11/02	214	3/24	11/08	205	3/16	11/17	190
24	4/08	10/25	260	3/29	11/04	245	3/21	11/11	235	3/14	11/19	225	3/05	12/01	210

Dunklin station ID: 235207 location: Malden Municipal Airport lat: 36.599 long: -89.989 elev: 290 ft.															
Temp	Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date														
	10%			30%			50%			70%			90%		
(°F)	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*
36	4/21	10/06	215	4/14	10/15	203	4/08	10/21	195	4/03	10/27	188	3/26	11/05	176
32	4/12	10/16	237	4/05	10/25	224	3/31	11/01	215	3/24	11/07	206	3/16	11/17	194
28	4/04	10/25	263	3/26	11/05	248	3/19	11/13	237	3/13	11/21	227	3/03	12/02	213
24	3/24	11/04	291	3/14	11/17	274	3/06	11/27	263	2/28	12/04	252	2/17	12/17	235

Franklin station ID: 238515 location: Union lat: 38.444 long: -91.004 elev: 540 ft.															
Temp	Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date														
	10%			30%			50%			70%			90%		
(°F)	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*
36	5/10	9/24	183	5/02	10/01	171	4/27	10/07	162	4/20	10/13	153	4/12	10/22	141
32	4/30	10/02	207	4/22	10/12	194	4/16	10/19	185	4/09	10/25	176	3/31	11/02	163
28	4/20	10/13	229	4/11	10/24	217	4/04	10/31	208	3/30	11/06	199	3/20	11/15	186
24	4/10	10/26	256	4/01	11/05	242	3/24	11/12	232	3/17	11/20	222	3/08	11/30	208

Gasconade station ID: 237300 location: Rosebud lat: 38.450 long: -91.376 elev: 960 ft.															
Temp	Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.														
	10%			30%			50%			70%			90%		
(°F)	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*
36	5/21	9/17	167	5/11	9/25	155	5/04	10/01	146	4/29	10/05	138	4/19	10/14	126
32	5/10	9/26	190	5/01	10/04	176	4/25	10/11	167	4/17	10/17	158	4/08	10/25	144
28	4/30	10/05	213	4/21	10/16	200	4/13	10/22	190	4/07	10/28	180	3/29	11/05	166
24	4/21	10/18	237	4/09	10/27	223	4/03	11/02	213	3/27	11/09	204	3/17	11/19	189

*Season length — number of days between last spring and first fall temperature at or lower than 36°F, 32°F, 28°F and 24°F.

Greene station ID: 237976 location: Springfield Regional Airport lat: 37.240 long: -93.390 elev: 1,259 ft.															
Temp	Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date														
	10%			30%			50%			70%			90%		
(°F)	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*
36	5/08	9/27	193	4/30	10/05	179	4/24	10/12	170	4/18	10/19	161	4/09	10/28	148
32	4/29	10/06	215	4/20	10/17	202	4/13	10/24	193	4/07	10/31	183	3/29	11/07	169
28	4/18	10/17	235	4/09	10/28	223	4/03	11/03	214	3/27	11/09	205	3/17	11/18	191
24	4/08	10/28	258	3/30	11/06	244	3/22	11/14	234	3/15	11/20	225	3/05	11/29	211

Grundy station ID: 237963 location: Spickard 7W lat: 40.247 long: -93.716 elev: 875 ft.															
Temp	Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date														
	10%			30%			50%			70%			90%		
(°F)	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*
36	5/12	9/18	176	5/03	9/26	163	4/29	10/01	155	4/23	10/08	146	4/14	10/17	135
32	5/02	9/28	199	4/24	10/06	186	4/18	10/13	177	4/12	10/20	168	4/03	10/28	155
28	4/22	10/09	219	4/13	10/20	207	4/08	10/26	199	4/03	11/01	190	3/26	11/10	178
24	4/14	10/20	241	4/05	10/31	227	3/31	11/05	218	3/25	11/11	209	3/16	11/22	196

Harrison station ID: 230608 location: Bethany lat: 40.258 long: -94.027 elev: 949 ft.															
Temp	Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date														
	10%			30%			50%			70%			90%		
(°F)	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*
36	5/11	9/19	177	5/03	9/28	165	4/29	10/03	156	4/23	10/10	148	4/15	10/19	136
32	5/01	9/29	199	4/23	10/08	187	4/18	10/15	178	4/12	10/22	170	4/04	10/29	158
28	4/22	10/09	219	4/14	10/20	207	4/09	10/27	199	4/03	11/01	191	3/26	11/10	179
24	4/14	10/21	239	4/06	11/01	227	4/01	11/05	218	3/26	11/12	209	3/17	11/21	197

Henry station ID: 231711 location: Clinton lat: 38.395 long: -93.771 elev: 770 ft.															
Temp	Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.														
	10%			30%			50%			70%			90%		
(°F)	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*
36	5/10	9/26	187	5/01	10/03	173	4/27	10/09	164	4/20	10/16	156	4/11	10/24	144
32	5/01	10/04	209	4/22	10/14	196	4/16	10/21	187	4/09	10/27	177	3/31	11/04	164
28	4/20	10/15	231	4/11	10/25	217	4/05	11/01	208	3/30	11/06	199	3/19	11/16	186
24	4/11	10/26	256	4/03	11/04	240	3/27	11/11	230	3/18	11/19	219	3/07	11/29	205

*Season length — number of days between last spring and first fall temperature at or lower than 36°F, 32°F, 28°F and 24°F.

Henry | station ID: 239032 | location: Windsor | lat: 38.532 | long: -93.524 | elev: 840 ft.

Temp	Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date														
	10%			30%			50%			70%			90%		
(°F)	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*
36	5/04	9/28	195	4/28	10/07	184	4/21	10/14	175	4/14	10/20	166	4/05	10/29	153
32	4/25	10/07	217	4/16	10/18	205	4/10	10/25	196	4/04	11/01	187	3/26	11/08	175
28	4/17	10/19	239	4/07	10/30	225	4/01	11/04	216	3/26	11/11	207	3/16	11/21	194
24	4/07	10/30	263	3/29	11/07	248	3/22	11/15	238	3/15	11/22	228	3/03	12/02	214

Hickory | station ID: 236777 | location: Pomme de Terre Dam | lat: 37.905 | long: -93.317 | elev: 900 ft.

Temp	Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date														
	10%			30%			50%			70%			90%		
(°F)	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*
36	5/09	9/24	190	5/01	10/03	176	4/25	10/10	167	4/18	10/17	158	4/09	10/26	144
32	4/30	10/03	213	4/20	10/14	199	4/13	10/22	190	4/07	10/29	179	3/29	11/07	165
28	4/17	10/15	237	4/08	10/26	222	4/02	11/02	212	3/28	11/09	203	3/17	11/19	188
24	4/08	10/27	262	3/31	11/06	246	3/23	11/14	236	3/15	11/22	225	3/05	12/02	211

Howard | station ID: 236012 | location: New Franklin 1W | lat: 39.017 | long: -92.756 | elev: 641 ft.

Temp	Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date														
	10%			30%			50%			70%			90%		
(°F)	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*
36	5/08	9/22	182	4/30	10/01	170	4/26	10/06	162	4/20	10/12	153	4/11	10/20	141
32	4/29	10/01	206	4/21	10/11	193	4/15	10/18	184	4/09	10/24	175	4/01	11/01	162
28	4/20	10/13	228	4/11	10/24	215	4/05	10/31	207	3/31	11/05	197	3/20	11/14	184
24	4/11	10/25	252	4/02	11/03	238	3/26	11/09	228	3/18	11/17	218	3/09	11/28	205

Howell | station ID: 238880 | location: West Plains | lat: 36.742 | long: -91.835 | elev: 1,010 ft.

Temp	Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.														
	10%			30%			50%			70%			90%		
(°F)	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*
36	5/11	9/26	182	5/03	10/02	171	4/28	10/08	163	4/22	10/14	155	4/14	10/22	143
32	5/01	10/03	205	4/23	10/12	192	4/17	10/18	184	4/10	10/24	175	4/02	11/01	163
28	4/20	10/13	227	4/12	10/22	214	4/06	10/29	206	3/31	11/05	197	3/22	11/14	185
24	4/11	10/24	250	4/03	11/03	237	3/28	11/10	227	3/20	11/17	218	3/11	11/28	204

*Season length — number of days between last spring and first fall temperature at or lower than 36°F, 32°F, 28°F and 24°F.

Jackson station ID: 234850 location: Lee's Summit Reed WR lat: 38.880 long: -94.336 elev: 1,000 ft.															
Temp	Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date														
	10%			30%			50%			70%			90%		
(°F)	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*
36	5/06	9/26	190	4/28	10/04	178	4/23	10/11	169	4/17	10/18	160	4/08	10/26	148
32	4/26	10/05	211	4/18	10/15	199	4/12	10/22	191	4/07	10/28	182	3/31	11/05	169
28	4/17	10/16	234	4/09	10/26	220	4/03	11/02	211	3/29	11/08	202	3/19	11/18	189
24	4/09	10/28	256	4/01	11/05	242	3/25	11/12	232	3/17	11/19	223	3/08	11/29	209

Jasper station ID: 231356 location: Carthage 5S lat: 37.177 long: -94.305 elev: 978 ft.															
Temp	Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date														
	10%			30%			50%			70%			90%		
(°F)	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*
36	5/06	9/26	193	4/29	10/05	180	4/23	10/12	171	4/16	10/19	162	4/07	10/27	150
32	4/27	10/05	217	4/18	10/16	203	4/12	10/24	193	4/05	10/30	184	3/26	11/09	170
28	4/16	10/17	243	4/07	10/28	228	4/01	11/04	217	3/24	11/13	207	3/14	11/23	192
24	4/06	10/28	269	3/27	11/09	253	3/19	11/18	242	3/11	11/25	231	2/28	12/05	214

Jasper station ID: 234315 location: Joplin Regional Airport lat: 37.147 long: -94.502 elev: 980 ft.															
Temp	Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date														
	10%			30%			50%			70%			90%		
(°F)	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*
36	5/04	9/28	200	4/27	10/08	187	4/20	10/15	177	4/13	10/22	168	4/04	10/31	154
32	4/25	10/07	223	4/15	10/20	209	4/08	10/27	199	4/02	11/02	190	3/24	11/11	176
28	4/14	10/19	247	4/04	10/30	232	3/29	11/06	222	3/21	11/13	211	3/10	11/23	197
24	4/04	10/30	273	3/25	11/09	257	3/17	11/18	246	3/08	11/26	235	2/25	12/05	219

Jefferson station ID: 232850 location: Festus lat: 38.231 long: -90.398 elev: 600 ft.															
Temp	Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.														
	10%			30%			50%			70%			90%		
(°F)	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*
36	5/10	9/26	185	5/02	10/03	172	4/26	10/08	164	4/20	10/14	155	4/11	10/22	144
32	4/30	10/04	209	4/22	10/13	195	4/16	10/20	186	4/09	10/26	178	3/31	11/04	165
28	4/20	10/14	232	4/11	10/25	218	4/04	11/01	209	3/30	11/07	200	3/20	11/17	187
24	4/10	10/25	257	3/31	11/05	242	3/25	11/13	231	3/18	11/21	221	3/07	12/02	207

*Season length — number of days between last spring and first fall temperature at or lower than 36°F, 32°F, 28°F and 24°F.

Johnson | station ID: 238712 | location: Warrensburg 4NW | lat: 38.784 | long: -93.801 | elev: 796 ft.

Temp	Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date														
	10%			30%			50%			70%			90%		
(°F)	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*
36	5/12	9/22	182	5/03	9/30	169	4/28	10/05	160	4/21	10/12	151	4/12	10/22	139
32	5/03	10/01	206	4/24	10/11	192	4/17	10/18	182	4/10	10/25	173	4/02	11/02	158
28	4/24	10/12	228	4/12	10/23	215	4/06	10/30	205	3/31	11/05	196	3/21	11/15	181
24	4/12	10/23	253	4/02	11/02	238	3/26	11/09	228	3/18	11/16	218	3/07	11/28	203

Lafayette | station ID: 234904 | location: Lexington 3NE | lat: 39.183 | long: -93.855 | elev: 825 ft.

Temp	Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date														
	10%			30%			50%			70%			90%		
(°F)	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*
36	5/07	9/25	191	4/29	10/04	178	4/23	10/11	169	4/17	10/17	160	4/07	10/25	148
32	4/28	10/06	213	4/19	10/16	200	4/12	10/23	191	4/06	10/28	182	3/30	11/05	169
28	4/18	10/18	234	4/09	10/28	221	4/03	11/02	213	3/28	11/08	204	3/17	11/17	191
24	4/10	10/30	256	4/01	11/06	242	3/24	11/12	233	3/16	11/19	223	3/06	11/28	210

Lawrence | station ID: 235862 | location: Mt. Vernon MU SW Center | lat: 37.073 | long: -93.879 | elev: 1,190 ft.

Temp	Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date														
	10%			30%			50%			70%			90%		
(°F)	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*
36	5/13	9/21	181	5/04	9/30	168	4/29	10/05	159	4/23	10/12	150	4/13	10/21	137
32	5/03	9/29	203	4/25	10/09	190	4/18	10/17	180	4/11	10/24	171	4/01	11/01	157
28	4/22	10/09	226	4/13	10/20	212	4/07	10/27	202	3/31	11/03	193	3/22	11/13	179
24	4/13	10/19	250	4/04	10/31	235	3/28	11/07	224	3/20	11/15	214	3/09	11/26	199

Lewis | station ID: 231275 | location: Canton Lock and Dam 20 | lat: 40.143 | long: -91.516 | elev: 490 ft.

Temp	Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.														
	10%			30%			50%			70%			90%		
(°F)	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*
36	5/07	9/26	191	4/29	10/04	179	4/22	10/12	170	4/16	10/17	162	4/08	10/25	149
32	4/27	10/05	212	4/17	10/16	200	4/11	10/22	192	4/06	10/28	183	3/30	11/05	171
28	4/16	10/18	234	4/08	10/28	221	4/03	11/02	213	3/28	11/08	205	3/18	11/17	193
24	4/08	11/01	256	3/31	11/07	243	3/24	11/13	233	3/17	11/20	224	3/08	12/01	212

*Season length — number of days between last spring and first fall temperature at or lower than 36°F, 32°F, 28°F and 24°F.

Lewis station ID: 238051 location: Steffenville lat: 39.971 long: -91.887 elev: 690 ft.															
Temp	Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date														
	10%			30%			50%			70%			90%		
(°F)	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*
36	5/09	9/21	186	5/01	10/01	173	4/25	10/07	164	4/19	10/14	155	4/10	10/23	142
32	4/30	10/01	208	4/20	10/12	196	4/14	10/19	186	4/08	10/26	177	3/31	11/03	164
28	4/20	10/14	230	4/10	10/25	217	4/04	11/01	208	3/30	11/05	200	3/20	11/14	186
24	4/10	10/27	252	4/01	11/04	238	3/26	11/10	229	3/19	11/17	219	3/09	11/27	206

Lincoln station ID: 232591 location: Elsberry 1S lat: 39.151 long: -90.785 elev: 450 ft.															
Temp	Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date														
	10%			30%			50%			70%			90%		
(°F)	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*
36	5/13	9/22	180	5/04	9/30	167	4/28	10/05	158	4/23	10/12	150	4/14	10/20	137
32	5/02	10/01	203	4/25	10/11	190	4/18	10/17	181	4/11	10/23	172	4/02	10/30	159
28	4/21	10/12	226	4/13	10/22	213	4/06	10/28	205	3/31	11/03	195	3/22	11/13	183
24	4/12	10/23	249	4/02	11/02	236	3/27	11/09	226	3/20	11/16	217	3/11	11/27	203

Linn station ID: 230980 location: Brookfield lat: 39.765 long: -93.059 elev: 767 ft.															
Temp	Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date														
	10%			30%			50%			70%			90%		
(°F)	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*
36	5/11	9/20	179	5/02	9/29	168	4/28	10/06	160	4/22	10/12	151	4/14	10/21	138
32	5/01	9/30	200	4/24	10/10	189	4/18	10/17	180	4/12	10/23	171	4/04	10/31	158
28	4/22	10/12	221	4/14	10/22	209	4/08	10/28	201	4/03	11/02	193	3/25	11/10	180
24	4/14	10/23	242	4/06	11/01	229	4/01	11/06	220	3/25	11/13	211	3/15	11/22	199

Livingston station ID: 231580 location: Chillicothe 2S lat: 39.775 long: -93.536 elev: 780 ft.															
Temp	Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.														
	10%			30%			50%			70%			90%		
(°F)	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*
36	5/05	9/23	188	4/29	10/01	176	4/23	10/08	167	4/18	10/15	158	4/09	10/24	147
32	4/26	10/01	210	4/19	10/12	197	4/13	10/20	188	4/07	10/27	180	3/31	11/04	167
28	4/17	10/12	231	4/09	10/24	219	4/03	11/01	210	3/29	11/06	201	3/18	11/16	187
24	4/09	10/26	256	4/01	11/04	241	3/24	11/11	231	3/17	11/19	221	3/07	11/30	208

*Season length — number of days between last spring and first fall temperature at or lower than 36°F, 32°F, 28°F and 24°F.

Madison | station ID: 233038 | location: Fredericktown | lat: 37.574 | long: -90.309 | elev: 719 ft.

Temp	Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date														
	10%			30%			50%			70%			90%		
(°F)	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*
36	5/16	9/19	172	5/06	9/27	160	5/01	10/02	152	4/26	10/07	144	4/19	10/16	132
32	5/04	9/27	194	4/27	10/05	181	4/21	10/11	172	4/16	10/18	163	4/07	10/28	152
28	4/24	10/04	217	4/16	10/15	204	4/10	10/23	195	4/04	10/31	185	3/26	11/08	172
24	4/15	10/16	243	4/06	10/28	228	3/31	11/04	218	3/23	11/11	208	3/13	11/24	193

Maries | station ID: 238620 | location: Vienna 2 WNW | lat: 38.202 | long: -91.981 | elev: 770 ft.

Temp	Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date														
	10%			30%			50%			70%			90%		
(°F)	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*
36	5/10	9/25	189	5/01	10/02	175	4/25	10/09	165	4/18	10/16	156	4/09	10/25	143
32	4/30	10/03	212	4/20	10/13	199	4/13	10/21	190	4/06	10/28	180	3/28	11/05	165
28	4/17	10/14	236	4/08	10/25	222	4/01	11/01	213	3/26	11/08	203	3/16	11/19	189
24	4/08	10/25	262	3/29	11/05	247	3/20	11/13	236	3/13	11/21	225	3/02	12/01	210

Marion | station ID: 233601 | location: Hannibal Water Works | lat: 39.723 | long: -91.372 | elev: 712 ft.

Temp	Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date														
	10%			30%			50%			70%			90%		
(°F)	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*
36	5/06	9/28	194	4/29	10/07	181	4/23	10/13	172	4/16	10/20	164	4/07	10/27	151
32	4/27	10/09	216	4/18	10/19	204	4/11	10/25	195	4/06	10/31	186	3/29	11/08	173
28	4/18	10/20	238	4/08	10/30	225	4/03	11/04	216	3/27	11/11	207	3/16	11/20	193
24	4/09	10/30	259	3/31	11/07	245	3/23	11/14	236	3/16	11/22	226	3/06	12/01	212

McDonald | station ID: 230164 | location: Anderson | lat: 36.652 | long: -94.439 | elev: 1,050 ft.

Temp	Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.														
	10%			30%			50%			70%			90%		
(°F)	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*
36	5/13	9/20	182	5/04	10/01	169	4/29	10/07	160	4/24	10/14	151	4/14	10/22	137
32	5/04	9/29	203	4/26	10/10	190	4/19	10/18	180	4/13	10/24	170	4/02	11/02	156
28	4/26	10/11	226	4/15	10/22	212	4/08	10/29	203	4/01	11/04	193	3/22	11/14	179
24	4/13	10/22	252	4/04	11/01	236	3/27	11/08	225	3/19	11/17	215	3/06	11/27	200

*Season length — number of days between last spring and first fall temperature at or lower than 36°F, 32°F, 28°F and 24°F.

Miller station ID: 232503 location: Eldon lat: 38.349 long: -92.581 elev: 930 ft.															
Temp	Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date														
	10%			30%			50%			70%			90%		
(°F)	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*
36	5/06	10/03	202	4/26	10/13	190	4/19	10/19	181	4/12	10/24	172	4/04	10/31	156
32	4/28	10/13	225	4/16	10/23	211	4/09	10/30	201	4/03	11/04	192	3/24	11/14	176
28	4/17	10/23	248	4/06	11/02	233	3/31	11/08	223	3/23	11/16	212	3/13	11/27	197
24	4/07	11/02	270	3/28	11/12	255	3/19	11/20	245	3/12	11/28	234	3/01	12/07	219

Miller station ID: 234694 location: Lakeside lat: 38.204 long: -92.621 elev: 592 ft.															
Temp	Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date														
	10%			30%			50%			70%			90%		
(°F)	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*
36	5/05	10/02	199	4/28	10/11	186	4/22	10/17	178	4/15	10/23	169	4/05	11/01	157
32	4/24	10/13	222	4/16	10/23	210	4/10	10/29	201	4/03	11/03	193	3/25	11/12	181
28	4/16	10/24	246	4/06	11/02	232	3/30	11/08	223	3/23	11/15	214	3/14	11/27	200
24	4/05	11/04	271	3/26	11/13	257	3/18	11/21	246	3/11	11/29	236	3/01	12/08	222

Moniteau station ID: 231189 location: California lat: 38.628 long: -92.554 elev: 879 ft.															
Temp	Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date														
	10%			30%			50%			70%			90%		
(°F)	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*
36	5/06	9/25	191	4/29	10/04	178	4/23	10/11	169	4/17	10/18	161	4/08	10/25	148
32	4/27	10/04	212	4/19	10/16	200	4/12	10/22	191	4/07	10/28	182	3/30	11/04	170
28	4/18	10/16	233	4/09	10/27	220	4/03	11/01	211	3/29	11/07	202	3/18	11/16	190
24	4/10	10/29	256	4/01	11/05	242	3/24	11/11	232	3/17	11/18	222	3/06	11/29	209

Morgan station ID: 238603 location: Versailles lat: 38.440 long: -92.852 elev: 985 ft.															
Temp	Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.														
	10%			30%			50%			70%			90%		
(°F)	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*
36	5/16	9/19	176	5/06	9/28	163	4/30	10/04	154	4/25	10/11	145	4/17	10/19	133
32	5/07	9/28	199	4/28	10/08	185	4/21	10/16	176	4/14	10/23	166	4/05	10/30	152
28	4/29	10/10	220	4/17	10/20	208	4/09	10/27	198	4/03	11/01	189	3/25	11/10	174
24	4/17	10/21	243	4/06	11/01	229	3/31	11/05	219	3/23	11/12	210	3/12	11/22	197

*Season length — number of days between last spring and first fall temperature at or lower than 36°F, 32°F, 28°F and 24°F.

New Madrid station ID: 236045 location: New Madrid lat: 36.587 long: -89.532 elev: 302 ft.															
Temp	Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date														
	10%			30%			50%			70%			90%		
(°F)	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*
36	4/24	10/08	219	4/15	10/17	206	4/09	10/24	197	4/03	10/31	188	3/25	11/08	175
32	4/13	10/19	245	4/04	10/29	230	3/29	11/05	220	3/22	11/12	211	3/12	11/22	198
28	4/03	11/01	272	3/24	11/11	257	3/16	11/18	246	3/08	11/27	236	2/27	12/06	221
24	3/20	11/11	298	3/10	11/23	283	3/02	12/01	272	2/24	12/09	261	2/12	12/21	246

Newton station ID: 235976 location: Neosho lat: 36.864 long: -94.360 elev: 1,011 ft.															
Temp	Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date														
	10%			30%			50%			70%			90%		
(°F)	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*
36	5/13	9/21	183	5/04	10/01	169	4/29	10/07	160	4/23	10/14	150	4/14	10/24	136
32	5/03	9/29	205	4/26	10/10	191	4/18	10/18	181	4/12	10/25	171	4/01	11/02	156
28	4/23	10/10	228	4/13	10/22	214	4/06	10/29	204	3/31	11/04	194	3/21	11/14	180
24	4/13	10/20	253	4/03	11/01	237	3/27	11/09	226	3/19	11/17	215	3/07	11/27	200

Nodaway station ID: 231822 location: Conception lat: 40.239 long: -94.683 elev: 1,108 ft.															
Temp	Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date														
	10%			30%			50%			70%			90%		
(°F)	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*
36	5/06	9/23	186	4/29	10/01	174	4/24	10/08	166	4/18	10/14	157	4/10	10/23	146
32	4/26	10/01	207	4/20	10/12	195	4/14	10/19	186	4/09	10/25	178	4/02	11/02	165
28	4/19	10/12	227	4/11	10/23	214	4/06	10/31	206	4/01	11/05	197	3/22	11/15	184
24	4/12	10/24	248	4/04	11/03	234	3/30	11/10	225	3/22	11/16	216	3/12	11/26	203

Nodaway station ID: 235340 location: Maryville 2E lat: 40.346 long: -94.834 elev: 985 ft.															
Temp	Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.														
	10%			30%			50%			70%			90%		
(°F)	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*
36	5/10	9/19	174	5/03	9/27	163	4/29	10/01	155	4/24	10/07	148	4/17	10/16	137
32	5/01	9/27	196	4/25	10/05	184	4/19	10/12	176	4/14	10/19	167	4/05	10/27	155
28	4/23	10/07	218	4/15	10/17	206	4/09	10/24	197	4/04	10/31	189	3/26	11/08	177
24	4/14	10/18	240	4/06	10/30	227	4/01	11/04	217	3/25	11/10	209	3/15	11/21	196

*Season length — number of days between last spring and first fall temperature at or lower than 36°F, 32°F, 28°F and 24°F.

Osage | station ID: 233043 | location: Freedom | lat: 38.458 | long: -91.703 | elev: 805 ft.

Temp	Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date														
	10%			30%			50%			70%			90%		
(°F)	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*
36	5/15	9/21	178	5/05	9/29	165	4/30	10/04	156	4/23	10/10	148	4/13	10/19	135
32	5/04	9/28	201	4/26	10/06	187	4/18	10/14	178	4/11	10/21	168	4/01	10/30	153
28	4/26	10/06	224	4/14	10/18	210	4/07	10/26	200	3/31	11/01	190	3/21	11/11	174
24	4/15	10/17	248	4/04	10/30	232	3/28	11/06	222	3/19	11/13	211	3/09	11/25	196

Ozark | station ID: 232302 | location: Dora 1N | lat: 36.790 | long: -92.219 | elev: 1,011 ft.

Temp	Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date														
	10%			30%			50%			70%			90%		
(°F)	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*
36	5/17	9/22	178	5/06	9/30	165	4/30	10/05	156	4/24	10/10	147	4/15	10/18	134
32	5/05	9/30	200	4/26	10/07	186	4/19	10/13	177	4/12	10/20	168	4/02	10/29	154
28	4/23	10/07	223	4/13	10/17	209	4/06	10/24	200	3/31	11/01	191	3/22	11/10	177
24	4/12	10/17	248	4/02	10/28	233	3/27	11/04	223	3/19	11/12	212	3/10	11/24	198

Pemiscot | station ID: 231364 | location: Caruthersville | lat: 36.126 | long: -89.700 | elev: 265 ft.

Temp	Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date														
	10%			30%			50%			70%			90%		
(°F)	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*
36	4/22	10/10	220	4/14	10/18	208	4/09	10/25	199	4/03	11/01	190	3/25	11/10	178
32	4/14	10/19	245	4/05	10/29	230	3/31	11/05	220	3/23	11/13	210	3/14	11/26	196
28	4/03	10/30	273	3/25	11/10	257	3/17	11/20	246	3/10	11/30	234	3/02	12/09	219
24	3/21	11/09	302	3/11	11/26	285	3/04	12/04	274	2/25	12/11	262	2/10	12/24	245

Pemiscot | station ID: 236804 | location: Portageville | lat: 36.414 | long: -89.700 | elev: 280 ft.

Temp	Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.														
	10%			30%			50%			70%			90%		
(°F)	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*
36	4/21	10/09	221	4/13	10/18	209	4/07	10/25	200	4/01	11/01	191	3/23	11/10	179
32	4/11	10/19	247	4/03	10/30	233	3/28	11/05	223	3/20	11/13	213	3/10	11/24	200
28	4/01	10/31	276	3/22	11/10	260	3/14	11/19	249	3/06	11/27	238	2/25	12/08	222
24	3/20	11/11	304	3/09	11/25	288	3/01	12/03	276	2/21	12/11	265	2/08	12/23	248

*Season length — number of days between last spring and first fall temperature at or lower than 36°F, 32°F, 28°F and 24°F.

Perry station ID: 236641 location: Perryville Water Plant lat: 37.734 long: -89.920 elev: 502 ft.															
Temp	Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date														
	10%			30%			50%			70%			90%		
(°F)	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*
36	5/16	9/21	178	5/06	9/30	165	4/30	10/04	156	4/24	10/10	147	4/15	10/19	134
32	5/05	9/30	200	4/27	10/07	187	4/20	10/14	177	4/14	10/21	167	4/03	10/30	153
28	4/24	10/07	224	4/14	10/19	210	4/07	10/26	200	3/31	11/01	191	3/23	11/11	176
24	4/12	10/15	249	4/02	10/28	234	3/26	11/05	223	3/20	11/14	212	3/11	11/28	197

Pettis station ID: 237632 location: Sedalia Water Plant lat: 38.675 long: -93.223 elev: 780 ft.															
Temp	Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date														
	10%			30%			50%			70%			90%		
(°F)	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*
36	5/14	9/21	180	5/04	9/29	167	4/29	10/05	158	4/23	10/12	149	4/14	10/21	136
32	5/04	9/30	203	4/25	10/09	189	4/19	10/17	179	4/12	10/24	170	4/02	11/01	156
28	4/24	10/11	225	4/14	10/21	212	4/07	10/29	202	4/01	11/03	193	3/21	11/12	179
24	4/13	10/22	249	4/03	11/01	235	3/27	11/07	224	3/19	11/14	215	3/09	11/25	201

Phelps station ID: 237263 location: Rolla University of Missouri lat: 37.957 long: -91.776 elev: 1,167 ft.															
Temp	Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date														
	10%			30%			50%			70%			90%		
(°F)	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*
36	5/03	10/01	200	4/26	10/09	187	4/20	10/16	179	4/13	10/23	169	4/04	10/31	157
32	4/24	10/11	222	4/15	10/21	209	4/09	10/28	201	4/03	11/02	192	3/25	11/11	180
28	4/16	10/21	244	4/06	11/01	230	3/31	11/06	220	3/24	11/13	211	3/15	11/25	198
24	4/05	11/01	265	3/27	11/09	251	3/20	11/17	241	3/13	11/26	231	3/03	12/05	216

Pike station ID: 230856 location: Bowling Green 2NE lat: 39.345 long: -91.171 elev: 887 ft.															
Temp	Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.														
	10%			30%			50%			70%			90%		
(°F)	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*
36	5/18	9/19	173	5/07	9/26	160	5/01	10/02	151	4/25	10/08	143	4/16	10/17	130
32	5/05	9/26	196	4/26	10/04	182	4/20	10/12	173	4/14	10/19	163	4/05	10/28	151
28	4/24	10/05	221	4/15	10/17	208	4/09	10/26	198	4/03	11/01	188	3/26	11/12	174
24	4/15	10/23	246	4/06	11/03	233	3/31	11/10	223	3/25	11/18	213	3/15	11/28	199

*Season length — number of days between last spring and first fall temperature at or lower than 36°F, 32°F, 28°F and 24°F.

Platte station ID: 234358 location: Kansas City International Airport lat: 39.297 long: -94.731 elev: 1,005 ft.															
Temp	Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date														
	10%			30%			50%			70%			90%		
(°F)	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*
36	5/05	9/26	190	4/29	10/05	178	4/23	10/12	170	4/17	10/18	161	4/09	10/26	148
32	4/27	10/06	212	4/19	10/16	200	4/12	10/23	191	4/07	10/29	183	3/31	11/06	169
28	4/18	10/18	233	4/09	10/28	221	4/04	11/02	212	3/30	11/08	203	3/20	11/18	191
24	4/09	10/29	255	4/01	11/05	242	3/25	11/12	232	3/18	11/19	223	3/07	11/30	209

Pulaski station ID: 238777 location: Waynesville 2W lat: 37.782 long: -92.269 elev: 905 ft.															
Temp	Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date														
	10%			30%			50%			70%			90%		
(°F)	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*
36	5/20	9/16	165	5/10	9/24	153	5/04	9/30	145	4/29	10/05	137	4/21	10/13	126
32	5/09	9/24	187	5/01	10/01	174	4/26	10/07	164	4/19	10/15	155	4/09	10/24	143
28	5/01	10/02	210	4/22	10/13	197	4/15	10/20	187	4/08	10/27	177	3/29	11/05	163
24	4/20	10/13	233	4/10	10/25	220	4/03	11/01	210	3/28	11/07	200	3/18	11/17	186

Ralls station ID: 237578 location: Saverton Lock and Dam 22 lat: 39.636 long: -91.249 elev: 472 ft.															
Temp	Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date														
	10%			30%			50%			70%			90%		
(°F)	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*
36	4/28	10/08	209	4/20	10/17	198	4/14	10/22	190	4/08	10/28	182	4/01	11/04	170
32	4/19	10/20	230	4/10	10/29	218	4/05	11/02	211	3/31	11/08	203	3/22	11/16	191
28	4/10	11/01	251	4/02	11/07	238	3/28	11/13	230	3/21	11/19	222	3/12	11/29	210
24	4/02	11/08	271	3/24	11/17	258	3/18	11/23	249	3/11	11/30	241	3/02	12/09	228

Randolph station ID: 235671 location: Moberly lat: 39.419 long: -92.437 elev: 860 ft.															
Temp	Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.														
	10%			30%			50%			70%			90%		
(°F)	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*
36	5/09	9/25	186	4/30	10/04	174	4/25	10/10	166	4/19	10/16	158	4/11	10/24	145
32	4/29	10/05	207	4/21	10/15	196	4/14	10/21	187	4/09	10/26	179	4/01	11/02	166
28	4/20	10/16	229	4/11	10/25	217	4/05	11/01	208	3/31	11/06	199	3/21	11/15	187
24	4/11	10/29	252	4/03	11/05	239	3/28	11/11	229	3/20	11/17	220	3/10	11/29	207

*Season length — number of days between last spring and first fall temperature at or lower than 36°F, 32°F, 28°F and 24°F.

Reynolds | station ID: 231101 | location: Bunker | lat: 37.514 | long: -91.194 | elev: 1,200 ft.

Temp	Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date														
	10%			30%			50%			70%			90%		
(°F)	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*
36	5/28	9/13	157	5/18	9/21	145	5/11	9/26	136	5/03	10/01	128	4/25	10/08	116
32	5/16	9/22	178	5/06	9/30	165	4/30	10/05	156	4/23	10/10	148	4/14	10/18	135
28	5/04	10/01	200	4/25	10/08	187	4/19	10/15	178	4/12	10/21	168	4/03	10/29	155
24	4/23	10/09	222	4/13	10/20	210	4/07	10/26	201	4/01	11/01	192	3/24	11/11	180

Ripley | station ID: 232289 | location: Doniphan | lat: 36.620 | long: -90.812 | elev: 289 ft.

Temp	Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date														
	10%			30%			50%			70%			90%		
(°F)	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*
36	5/13	9/25	184	5/03	10/02	172	4/28	10/08	163	4/21	10/14	155	4/13	10/23	142
32	5/01	10/03	206	4/24	10/12	193	4/17	10/18	184	4/11	10/25	175	3/31	11/03	163
28	4/22	10/11	229	4/13	10/22	214	4/07	10/30	205	3/31	11/04	195	3/21	11/15	183
24	4/13	10/22	255	4/04	11/01	239	3/28	11/09	227	3/19	11/18	216	3/07	11/30	202

Saline | station ID: 235298 | location: Marshall | lat: 39.134 | long: -93.222 | elev: 790 ft.

Temp	Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date														
	10%			30%			50%			70%			90%		
(°F)	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*
36	5/05	9/23	190	4/29	10/01	177	4/23	10/08	168	4/17	10/15	159	4/08	10/24	147
32	4/27	10/03	212	4/19	10/14	199	4/12	10/21	190	4/07	10/27	181	3/30	11/04	167
28	4/18	10/15	233	4/09	10/26	220	4/03	11/01	211	3/29	11/07	202	3/18	11/17	189
24	4/10	10/29	257	4/01	11/05	243	3/24	11/12	233	3/16	11/19	223	3/06	11/29	209

Saline | station ID: 238223 | location: Sweet Springs | lat: 38.966 | long: -93.420 | elev: 675 ft.

Temp	Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.														
	10%			30%			50%			70%			90%		
(°F)	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*
36	5/09	9/20	180	5/01	9/28	167	4/27	10/04	159	4/21	10/11	150	4/13	10/20	138
32	4/30	9/30	202	4/22	10/09	190	4/17	10/16	181	4/11	10/23	172	4/02	11/01	158
28	4/20	10/11	225	4/12	10/21	212	4/06	10/29	204	3/31	11/03	195	3/21	11/12	181
24	4/12	10/23	248	4/03	11/01	234	3/28	11/07	225	3/19	11/14	215	3/09	11/25	202

*Season length — number of days between last spring and first fall temperature at or lower than 36°F, 32°F, 28°F and 24°F.

Scotland station ID: 235492 location: Memphis lat: 40.458 long: -92.182 elev: 770 ft.															
Temp	Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date														
	10%			30%			50%			70%			90%		
(°F)	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*
36	5/18	9/18	168	5/07	9/25	157	5/02	10/01	149	4/27	10/06	141	4/20	10/14	129
32	5/06	9/26	190	4/29	10/05	177	4/23	10/11	169	4/17	10/17	161	4/09	10/25	148
28	4/27	10/06	211	4/18	10/17	199	4/12	10/23	191	4/07	10/28	182	3/31	11/04	170
24	4/18	10/19	232	4/09	10/28	219	4/04	11/01	211	3/29	11/07	203	3/18	11/16	191

Scott station ID: 231289 location: Cape Girardeau Municipal Airport lat: 37.225 long: -89.570 elev: 336 ft.															
Temp	Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date														
	10%			30%			50%			70%			90%		
(°F)	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*
36	5/03	9/28	194	4/26	10/05	181	4/20	10/10	173	4/14	10/16	165	4/05	10/24	154
32	4/24	10/06	216	4/16	10/15	203	4/10	10/21	194	4/03	10/27	186	3/24	11/05	174
28	4/16	10/16	240	4/06	10/26	225	3/31	11/01	216	3/23	11/08	206	3/13	11/19	193
24	4/06	10/28	268	3/27	11/06	252	3/18	11/15	241	3/10	11/24	230	2/28	12/05	214

Scott station ID: 237772 location: Sikeston Power Station lat: 36.878 long: -89.623 elev: 310 ft.															
Temp	Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date														
	10%			30%			50%			70%			90%		
(°F)	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*
36	4/21	10/10	223	4/12	10/19	210	4/06	10/25	202	3/31	11/01	193	3/21	11/09	180
32	4/11	10/19	249	4/02	11/01	235	3/26	11/06	225	3/19	11/14	215	3/09	11/24	201
28	3/31	10/31	276	3/21	11/11	261	3/14	11/20	250	3/06	11/28	239	2/25	12/08	224
24	3/19	11/10	303	3/08	11/26	287	3/01	12/02	276	2/22	12/12	265	2/10	12/23	248

Shelby station ID: 237720 location: Shelbina lat: 39.683 long: -92.047 elev: 747 ft.															
Temp	Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.														
	10%			30%			50%			70%			90%		
(°F)	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*
36	5/17	9/19	173	5/06	9/28	161	5/01	10/02	154	4/25	10/08	145	4/17	10/16	133
32	5/05	9/27	194	4/27	10/06	182	4/21	10/12	173	4/15	10/19	165	4/07	10/28	152
28	4/25	10/08	217	4/16	10/18	205	4/10	10/24	196	4/05	11/01	187	3/27	11/09	174
24	4/15	10/21	241	4/06	10/31	227	4/01	11/04	217	3/24	11/11	209	3/14	11/22	197

*Season length — number of days between last spring and first fall temperature at or lower than 36°F, 32°F, 28°F and 24°F.

St. Charles station ID: 237397 location: St. Charles lat: 38.815 long: -90.517 elev: 467 ft.															
Temp	Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date														
	10%			30%			50%			70%			90%		
(°F)	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*
36	5/07	9/28	193	4/30	10/06	180	4/24	10/12	171	4/17	10/19	162	4/08	10/27	149
32	4/27	10/07	216	4/18	10/17	203	4/12	10/24	194	4/06	10/31	185	3/27	11/08	172
28	4/17	10/19	240	4/07	10/30	227	4/01	11/04	218	3/24	11/11	208	3/15	11/22	195
24	4/05	10/31	266	3/27	11/09	252	3/19	11/17	242	3/13	11/26	232	3/03	12/05	217

St. Charles station ID: 238805 location: Weldon Spring lat: 38.699 long: -90.683 elev: 584 ft.															
Temp	Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date														
	10%			30%			50%			70%			90%		
(°F)	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*
36	5/09	9/25	189	4/30	10/02	175	4/24	10/09	166	4/18	10/16	157	4/09	10/25	144
32	4/28	10/02	213	4/19	10/13	199	4/13	10/22	190	4/07	10/28	179	3/29	11/07	165
28	4/17	10/13	236	4/08	10/26	222	4/02	11/02	213	3/27	11/10	203	3/18	11/20	187
24	4/08	10/28	260	3/30	11/07	246	3/23	11/16	237	3/16	11/24	226	3/07	12/03	211

St. Clair station ID: 230204 location: Appleton City lat: 38.187 long: -94.028 elev: 852 ft.															
Temp	Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date														
	10%			30%			50%			70%			90%		
(°F)	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*
36	5/06	9/25	194	4/29	10/05	181	4/23	10/12	172	4/16	10/19	163	4/08	10/28	150
32	4/28	10/05	214	4/19	10/17	202	4/12	10/23	193	4/06	10/30	184	3/29	11/07	170
28	4/16	10/16	237	4/08	10/28	223	4/02	11/03	214	3/26	11/09	205	3/16	11/19	191
24	4/08	10/29	260	3/30	11/06	246	3/22	11/13	236	3/14	11/21	225	3/03	12/01	210

St. Clair station ID: 236402 location: Osceola lat: 38.049 long: -93.704 elev: 712 ft.															
Temp	Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.														
	10%			30%			50%			70%			90%		
(°F)	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*
36	5/10	9/25	186	5/01	10/03	173	4/26	10/09	165	4/20	10/16	156	4/11	10/25	144
32	5/02	10/02	208	4/23	10/14	194	4/16	10/21	185	4/10	10/27	176	3/31	11/04	162
28	4/23	10/15	228	4/13	10/25	215	4/06	10/31	206	3/31	11/05	197	3/20	11/14	182
24	4/13	10/26	251	4/03	11/03	237	3/26	11/09	227	3/18	11/16	218	3/07	11/26	203

*Season length — number of days between last spring and first fall temperature at or lower than 36°F, 32°F, 28°F and 24°F.

St. Francois station ID: 232809 location: Farmington lat: 37.792 long: -90.410 elev: 928 ft.															
Temp	Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date														
	10%			30%			50%			70%			90%		
(°F)	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*
36	5/10	9/22	184	5/02	10/01	171	4/26	10/06	162	4/20	10/13	153	4/10	10/22	140
32	4/29	9/30	208	4/20	10/10	194	4/14	10/17	185	4/07	10/24	175	3/29	11/02	162
28	4/19	10/10	230	4/09	10/22	217	4/02	10/30	208	3/27	11/04	198	3/17	11/14	184
24	4/09	10/23	255	3/31	11/02	241	3/22	11/09	230	3/16	11/17	220	3/06	11/29	205

St. Louis station ID: 237398 location: St. Charles 7SSW lat: 38.686 long: -90.523 elev: 450 ft.															
Temp	Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date														
	10%			30%			50%			70%			90%		
(°F)	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*
36	4/30	10/01	201	4/23	10/09	189	4/17	10/15	180	4/11	10/21	172	4/03	10/29	161
32	4/21	10/10	223	4/12	10/20	211	4/07	10/27	202	4/01	11/01	193	3/23	11/11	181
28	4/11	10/22	248	4/03	11/01	235	3/28	11/07	225	3/20	11/15	216	3/11	11/26	202
24	4/02	11/04	273	3/23	11/14	259	3/16	11/21	249	3/10	11/29	239	3/01	12/08	225

St. Louis station ID: 237455 location: St. Louis Lambert Intl Airport lat: 38.752 long: -90.374 elev: 531 ft.															
Temp	Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date														
	10%			30%			50%			70%			90%		
(°F)	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*
36	4/26	10/09	213	4/19	10/18	201	4/12	10/24	193	4/07	10/29	184	3/30	11/06	173
32	4/18	10/19	234	4/09	10/28	221	4/03	11/03	213	3/29	11/09	205	3/20	11/18	192
28	4/08	10/31	256	3/31	11/07	244	3/24	11/13	234	3/18	11/21	225	3/09	12/01	212
24	3/31	11/07	279	3/20	11/18	265	3/14	11/26	256	3/07	12/02	246	2/27	12/12	232

Stone station ID: 233094 location: Galena lat: 36.806 long: -93.466 elev: 1,046 ft.															
Temp	Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.														
	10%			30%			50%			70%			90%		
(°F)	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*
36	5/14	9/22	180	5/05	10/01	167	4/30	10/06	158	4/24	10/12	150	4/15	10/22	137
32	5/03	10/01	203	4/26	10/11	189	4/19	10/17	180	4/13	10/24	171	4/03	11/02	158
28	4/24	10/12	223	4/15	10/21	210	4/09	10/28	201	4/02	11/03	192	3/24	11/12	179
24	4/15	10/21	245	4/06	11/01	230	3/31	11/06	221	3/22	11/13	211	3/12	11/23	197

*Season length — number of days between last spring and first fall temperature at or lower than 36°F, 32°F, 28°F and 24°F.

Taney | station ID: 236460 | location: Ozark Beach | lat: 36.660 | long: -93.126 | elev: 700 ft.

Temp	Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date														
	10%			30%			50%			70%			90%		
(°F)	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*
36	5/04	10/01	200	4/27	10/11	188	4/21	10/17	179	4/15	10/23	171	4/07	11/01	159
32	4/24	10/12	223	4/16	10/22	211	4/10	10/29	202	4/03	11/03	193	3/25	11/13	180
28	4/14	10/24	249	4/05	11/02	234	3/30	11/09	224	3/22	11/17	215	3/12	11/27	201
24	4/04	11/04	275	3/23	11/15	260	3/15	11/22	250	3/08	11/29	239	2/27	12/09	224

Texas | station ID: 234019 | location: Houston | lat: 37.319 | long: -91.963 | elev: 1,263 ft.

Temp	Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date														
	10%			30%			50%			70%			90%		
(°F)	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*
36	5/15	9/21	179	5/05	9/29	166	4/29	10/04	157	4/22	10/09	149	4/11	10/17	136
32	5/04	9/28	202	4/26	10/06	187	4/18	10/13	177	4/10	10/19	168	3/30	10/28	154
28	4/25	10/06	226	4/14	10/18	211	4/06	10/25	200	3/30	11/01	190	3/19	11/11	175
24	4/16	10/19	251	4/04	10/31	235	3/27	11/06	224	3/18	11/14	213	3/07	11/27	197

Texas | station ID: 234919 | location: Licking 4N | lat: 37.554 | long: -91.883 | elev: 1,180 ft.

Temp	Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date														
	10%			30%			50%			70%			90%		
(°F)	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*
36	5/18	9/19	173	5/08	9/28	160	5/02	10/03	152	4/27	10/09	143	4/17	10/18	131
32	5/07	9/28	197	4/30	10/07	183	4/23	10/14	173	4/16	10/21	164	4/04	10/30	151
28	4/27	10/08	221	4/17	10/19	208	4/10	10/26	198	4/02	11/01	187	3/24	11/11	174
24	4/14	10/19	245	4/05	10/30	230	3/30	11/05	220	3/22	11/13	211	3/12	11/24	196

Texas | station ID: 238184 | location: Summersville | lat: 37.140 | long: -91.627 | elev: 1,180 ft.

Temp	Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.														
	10%			30%			50%			70%			90%		
(°F)	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*
36	5/15	9/20	179	5/05	9/29	166	4/30	10/04	157	4/22	10/10	148	4/13	10/20	135
32	5/03	9/30	204	4/24	10/08	190	4/18	10/16	180	4/11	10/23	170	3/31	11/01	156
28	4/22	10/10	227	4/13	10/22	214	4/06	10/29	205	3/31	11/04	195	3/21	11/14	181
24	4/14	10/23	252	4/03	11/02	237	3/28	11/09	227	3/19	11/17	216	3/09	11/28	202

*Season length — number of days between last spring and first fall temperature at or lower than 36°F, 32°F, 28°F and 24°F.

Vernon | station ID: 235987 | location: Nevada Water Plant | lat: 37.839 | long: -94.374 | elev: 820 ft.

Temp	Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date														
	10%			30%			50%			70%			90%		
(°F)	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*
36	5/03	9/27	202	4/25	10/07	188	4/18	10/15	178	4/11	10/22	168	4/02	11/01	154
32	4/23	10/05	223	4/13	10/18	210	4/06	10/26	200	4/01	11/01	189	3/21	11/11	174
28	4/11	10/17	247	4/03	10/31	232	3/28	11/05	222	3/20	11/13	211	3/08	11/24	196
24	4/03	10/31	272	3/23	11/10	256	3/15	11/18	245	3/07	11/26	234	2/26	12/04	218

Warren | station ID: 238725 | location: Warrenton | lat: 38.835 | long: -91.139 | elev: 827 ft.

Temp	Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date														
	10%			30%			50%			70%			90%		
(°F)	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*
36	5/13	9/23	184	5/03	10/01	172	4/27	10/08	162	4/20	10/14	153	4/11	10/22	140
32	5/01	10/02	208	4/23	10/13	196	4/15	10/19	186	4/08	10/25	177	3/31	11/02	163
28	4/21	10/14	232	4/11	10/25	218	4/04	11/01	210	3/29	11/06	200	3/19	11/16	187
24	4/12	10/28	255	4/02	11/05	241	3/25	11/11	230	3/17	11/18	221	3/08	11/30	207

Wayne | station ID: 231674 | location: Clearwater Dam | lat: 37.132 | long: -90.776 | elev: 660 ft.

Temp	Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date														
	10%			30%			50%			70%			90%		
(°F)	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*
36	5/04	10/01	196	4/26	10/08	184	4/20	10/14	176	4/14	10/20	167	4/06	10/28	156
32	4/24	10/09	219	4/15	10/20	206	4/09	10/25	198	4/03	10/31	190	3/25	11/08	178
28	4/14	10/20	242	4/04	10/30	229	3/30	11/05	220	3/23	11/12	211	3/14	11/21	197
24	4/03	10/31	266	3/25	11/09	253	3/18	11/17	243	3/11	11/24	233	3/03	12/02	219

Wayne | station ID: 238700 | location: Wappapello Dam | lat: 36.923 | long: -90.284 | elev: 410 ft.

Temp	Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.														
	10%			30%			50%			70%			90%		
(°F)	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*
36	4/29	10/07	211	4/20	10/16	198	4/14	10/21	190	4/09	10/27	181	3/31	11/04	169
32	4/18	10/17	231	4/10	10/25	219	4/04	11/01	211	3/29	11/06	202	3/20	11/16	190
28	4/09	10/26	254	3/31	11/04	241	3/23	11/11	232	3/16	11/18	223	3/07	11/29	209
24	3/28	11/03	279	3/18	11/14	265	3/11	11/22	254	3/04	12/01	244	2/23	12/10	230

*Season length — number of days between last spring and first fall temperature at or lower than 36°F, 32°F, 28°F and 24°F.

Webster | station ID: 235307 | location: Marshfield 2E | lat: 37.334 | long: -92.910 | elev: 1,490 ft.

Temp	Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date														
	10%			30%			50%			70%			90%		
(°F)	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*
36	5/08	9/24	186	4/30	10/02	173	4/26	10/09	165	4/20	10/16	156	4/11	10/24	144
32	4/29	10/03	207	4/22	10/13	194	4/15	10/20	186	4/10	10/26	177	4/01	11/03	164
28	4/21	10/13	228	4/12	10/24	215	4/06	10/31	206	3/31	11/05	197	3/21	11/15	184
24	4/11	10/25	250	4/03	11/03	236	3/28	11/10	227	3/20	11/17	218	3/11	11/27	204

Worth | station ID: 233369 | location: Grant City | lat: 40.486 | long: -94.414 | elev: 1,130 ft.

Temp	Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date														
	10%			30%			50%			70%			90%		
(°F)	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*
36	5/17	9/17	166	5/06	9/24	156	5/01	9/28	148	4/26	10/03	140	4/20	10/12	129
32	5/06	9/24	185	4/29	10/01	174	4/24	10/08	166	4/18	10/14	158	4/11	10/22	147
28	4/28	10/02	205	4/20	10/12	193	4/14	10/19	185	4/09	10/25	177	4/02	11/02	165
24	4/20	10/13	225	4/12	10/23	213	4/06	10/30	205	4/01	11/04	196	3/23	11/13	184

Wright | station ID: 235834 | location: Mountain Grove 2N | lat: 37.154 | long: -92.262 | elev: 1,450 ft.

Temp	Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date														
	10%			30%			50%			70%			90%		
(°F)	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*	spring	fall	season length*
36	5/10	9/24	189	5/01	10/03	176	4/25	10/09	166	4/18	10/16	157	4/08	10/26	144
32	4/30	10/03	213	4/20	10/14	199	4/13	10/21	190	4/06	10/28	180	3/29	11/07	166
28	4/18	10/15	235	4/09	10/26	221	4/02	11/01	212	3/27	11/08	202	3/17	11/20	189
24	4/09	10/26	259	3/31	11/05	244	3/23	11/12	233	3/16	11/20	223	3/05	12/01	209

*Season length — number of days between last spring and first fall temperature at or lower than 36°F, 32°F, 28°F and 24°F.

