

# ***THE MARCH OF SEASONS***

*Through Missouri*

*B 791*

*July, 1963*

*University of Missouri*

*Agricultural Experiment Station*

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## Part 1

# MISSOURI'S

● We are all aware of the annual trend of temperatures in Missouri. In general, this annual temperature cycle, which provides cold temperatures in winter and warm conditions in summer, occurs because of the seasonal shift of energy received from the sun in the northern hemisphere.

The distribution of energy from the sun between the equator and pole provides a large change in temperature from north to south across Missouri in winter. During summer the areas to the north of Missouri receive nearly as much energy as regions to the south and the resulting south to north temperature change is much less.

Topography features in the state have an effect upon the geographic distribution of temperatures. Throughout the Ozark highland cooler temperatures prevail than might be expected for the area. The temperature characteristics of the climate of the Ozarks are in many respects similar to those in areas of central and northern Missouri.

The maps which follow show the geographic patterns of the average maximum and minimum temperatures for weekly intervals. These maps indicate the seasonal shifts in the pattern of temperatures over the state and give a rather precise weekly estimate of the average temperature for each locality in Missouri.

by **Wayne L. Decker**

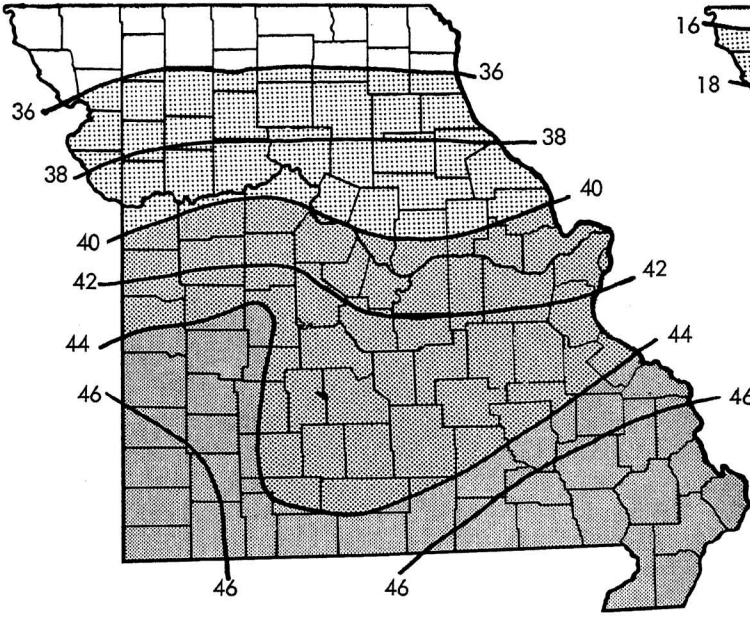
**Professor of Climatology**

# *TEMPERATURE*

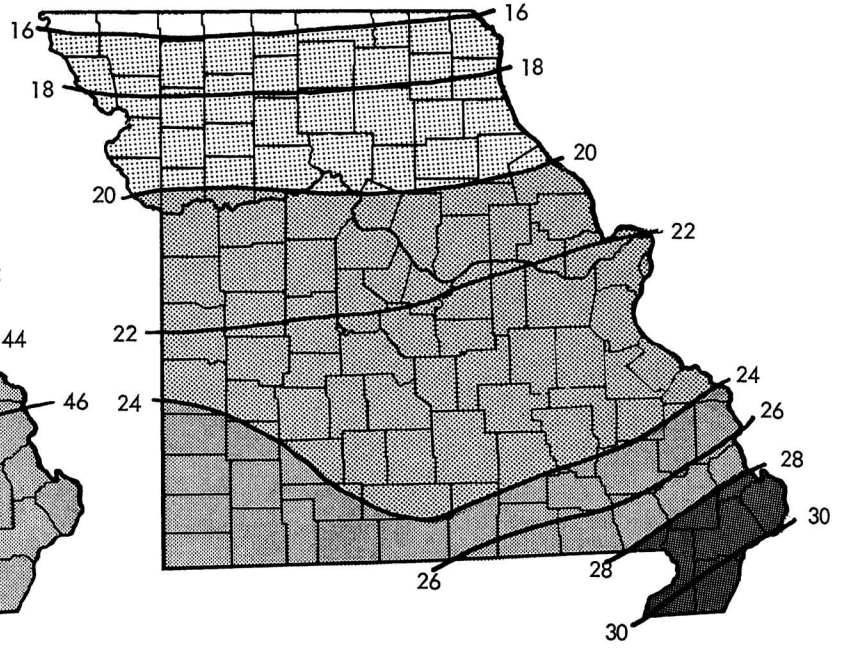
# *PATTERNS*

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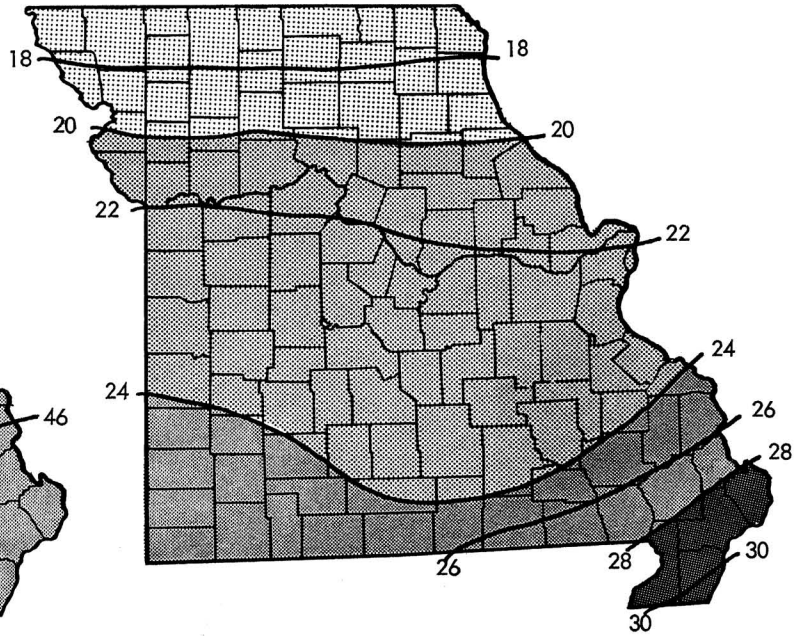
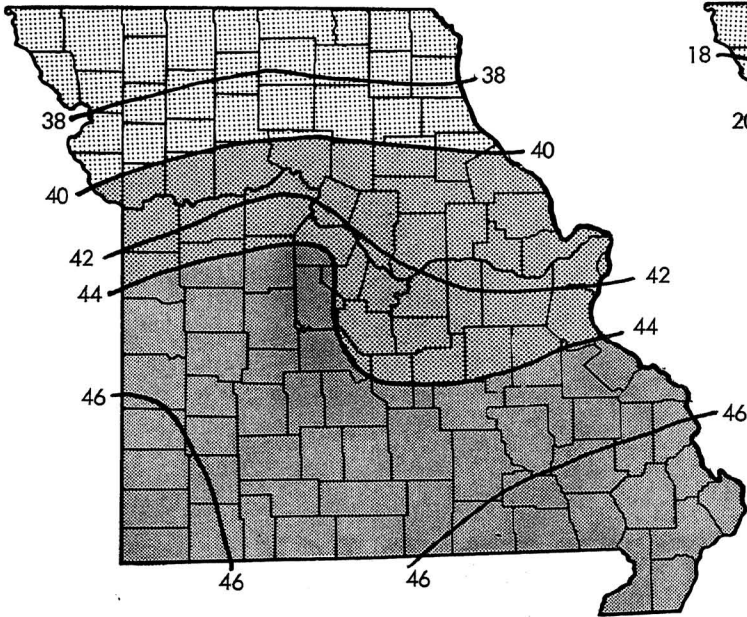
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MEAN MINIMUM TEMPERATURE

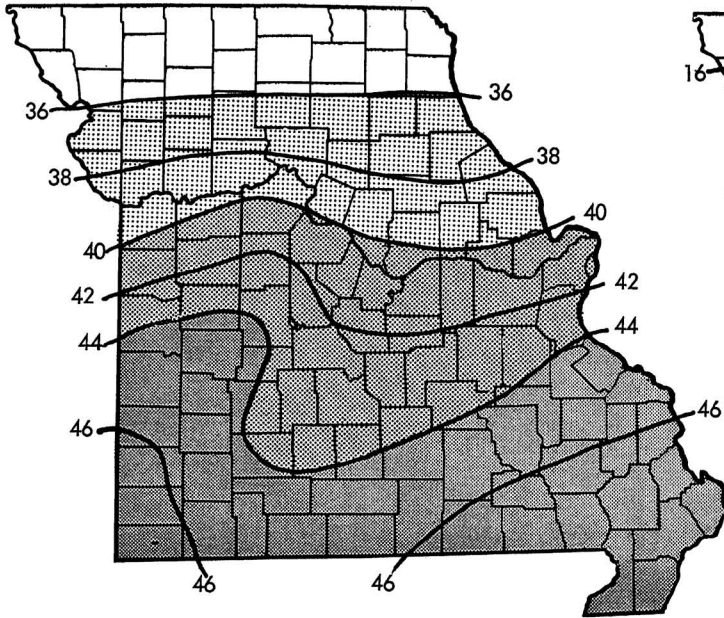


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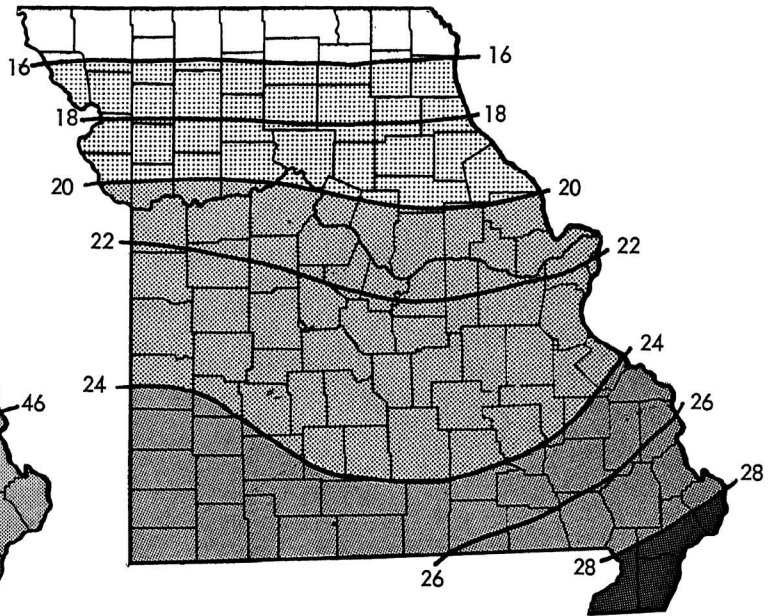


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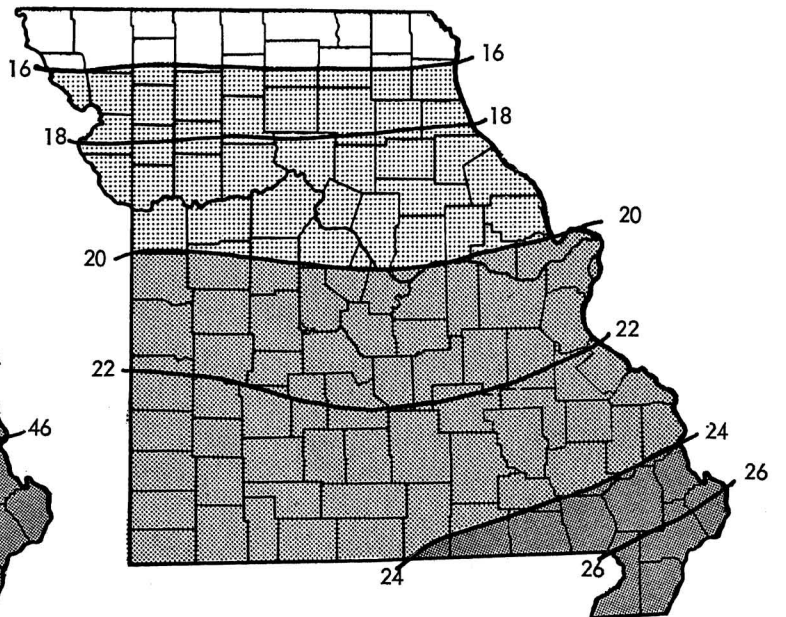
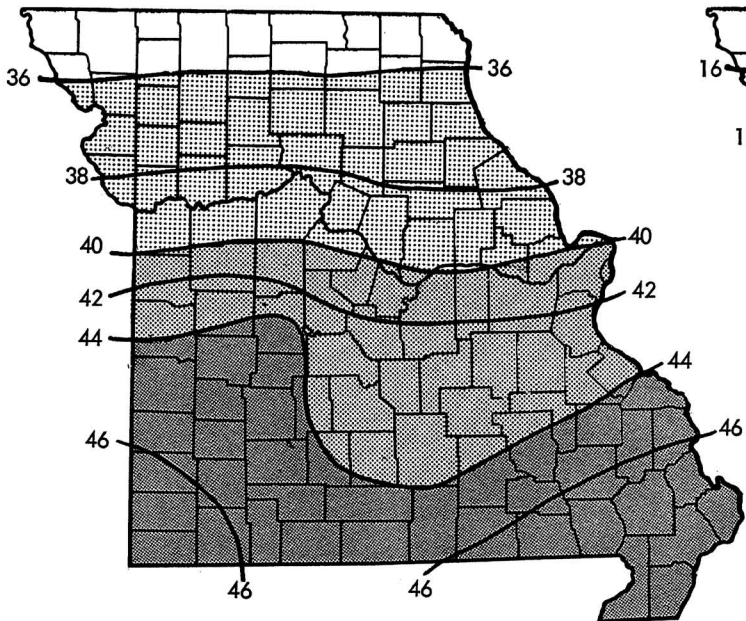
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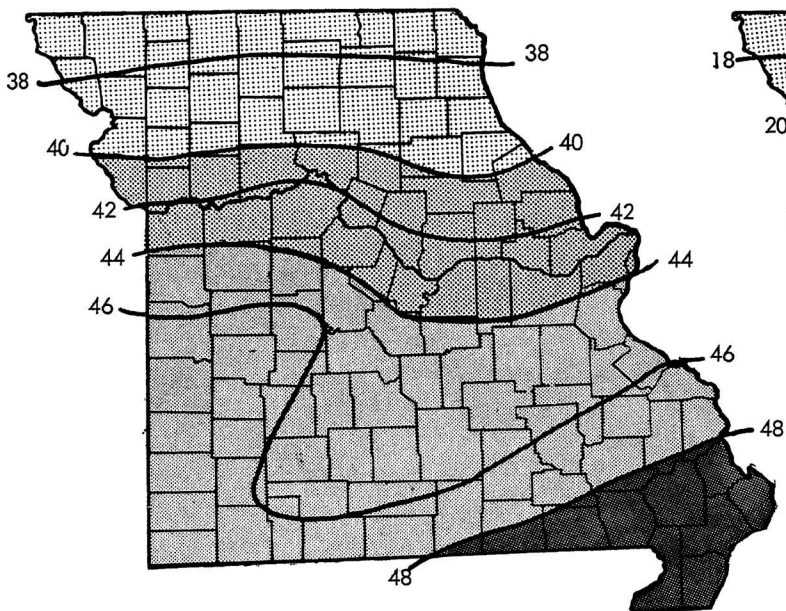


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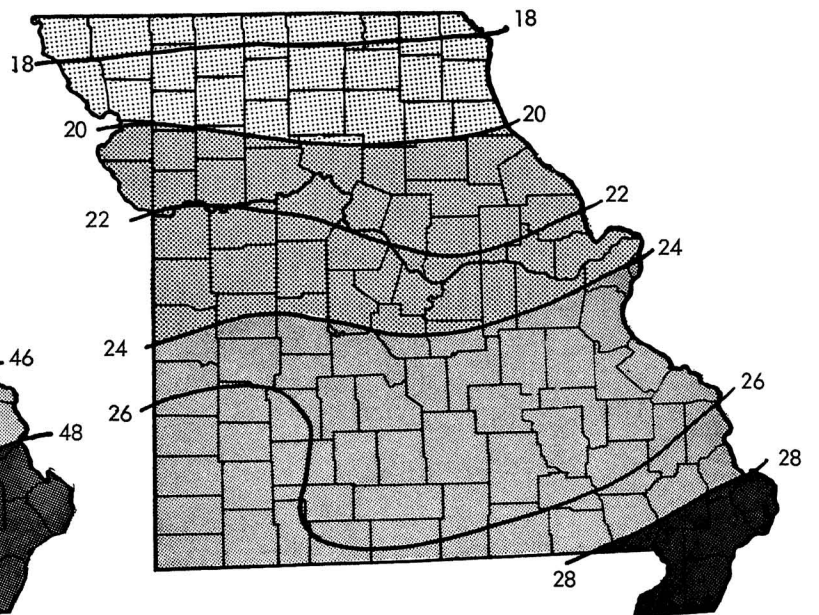


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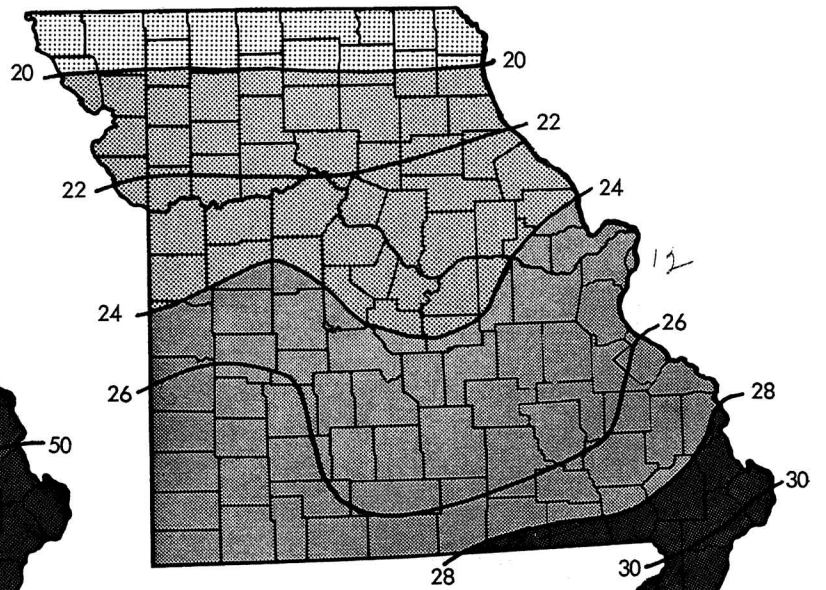
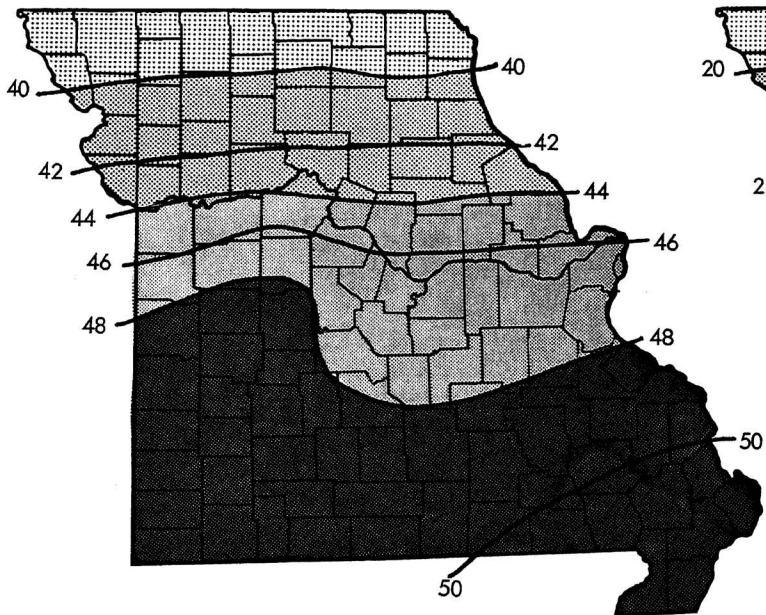
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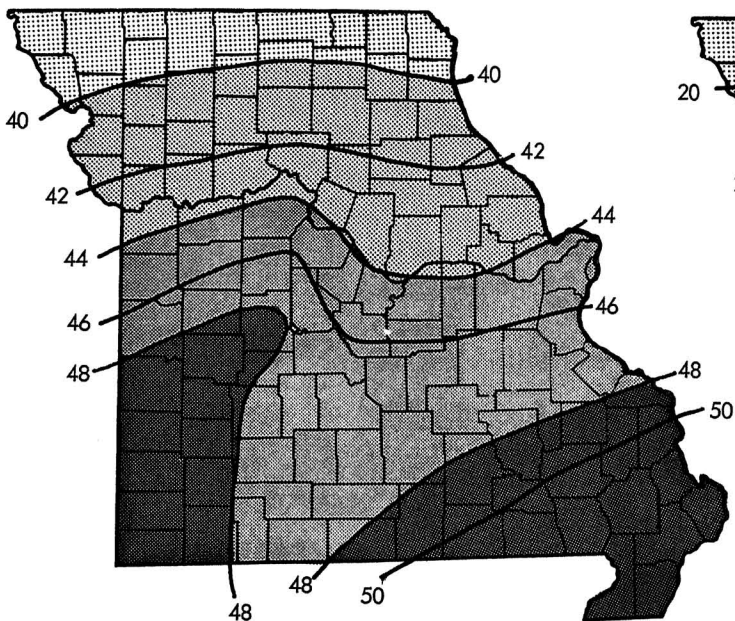


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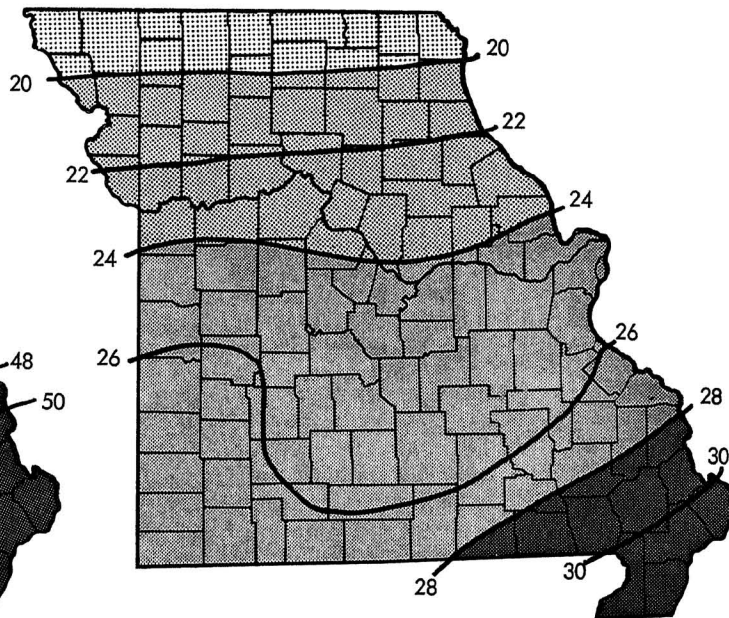


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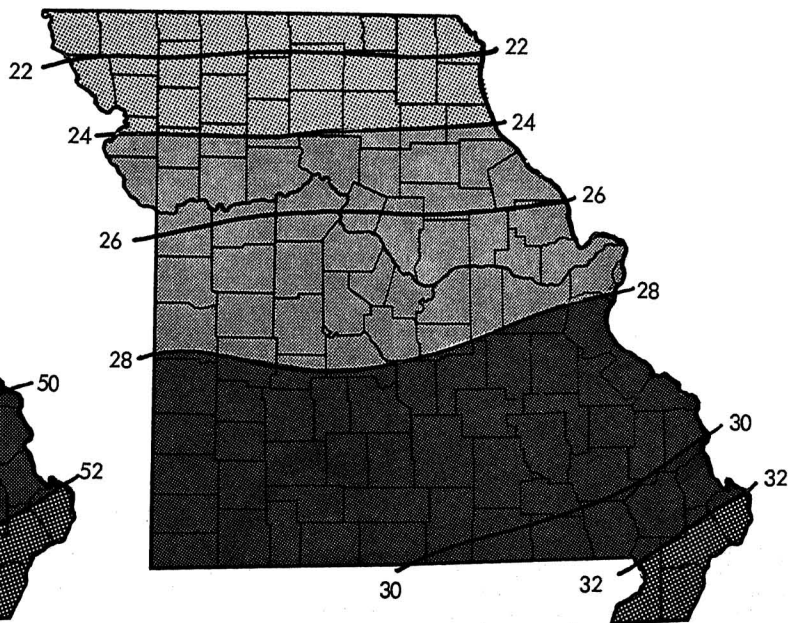
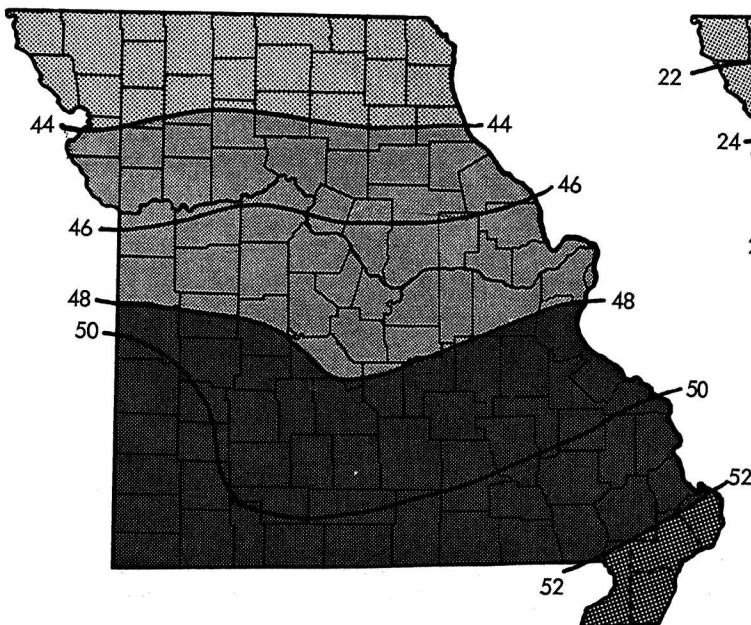
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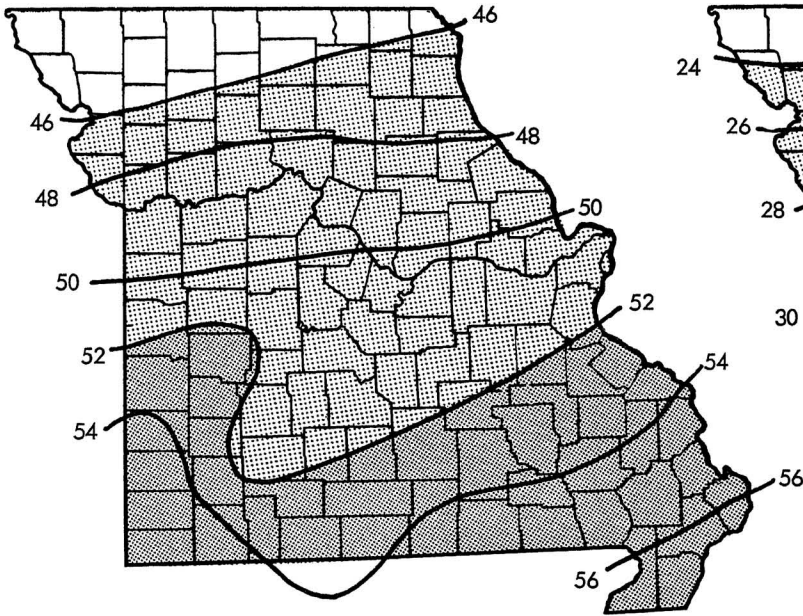


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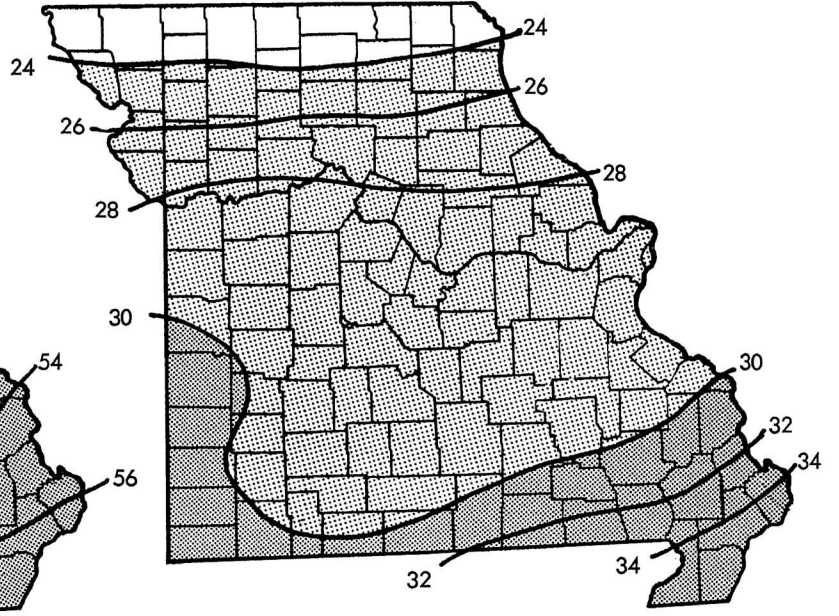


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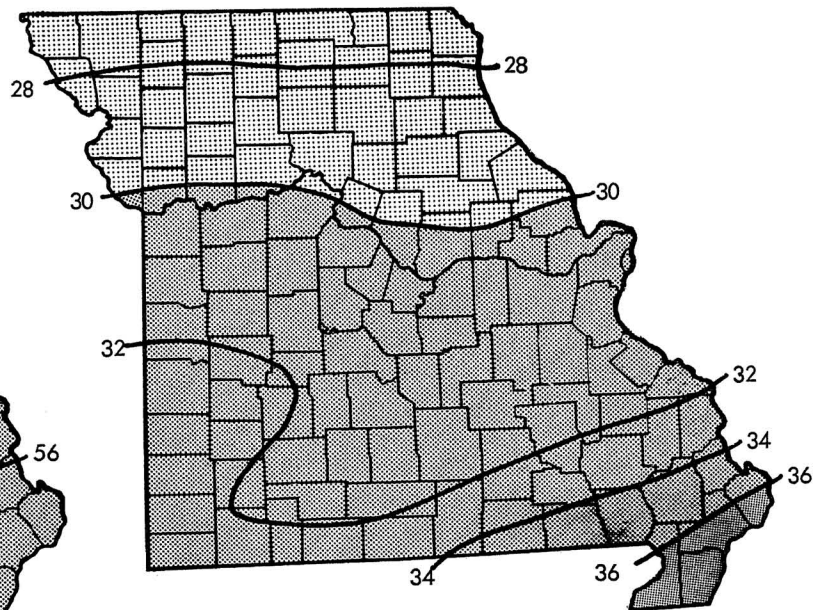
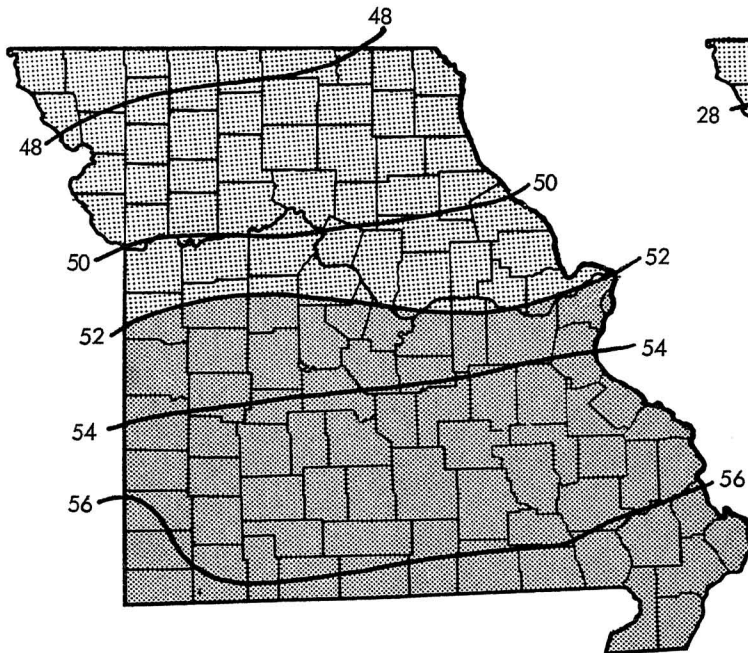
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MEAN MINIMUM TEMPERATURE



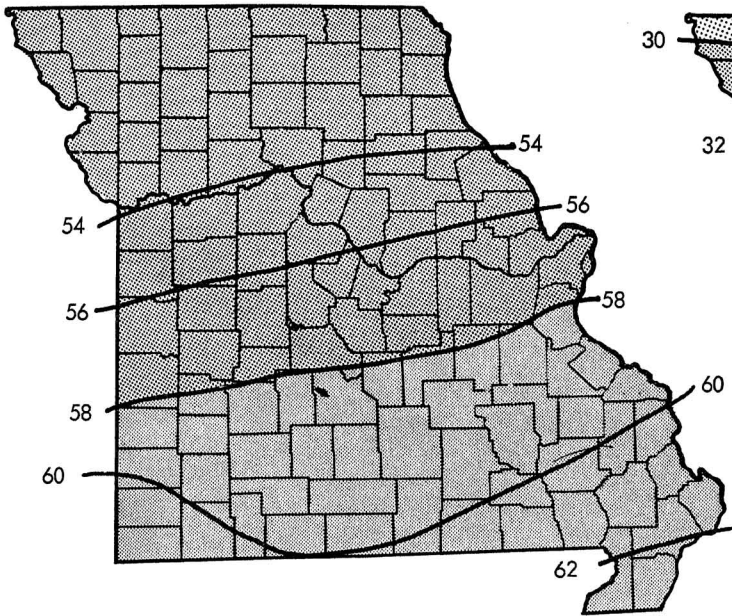
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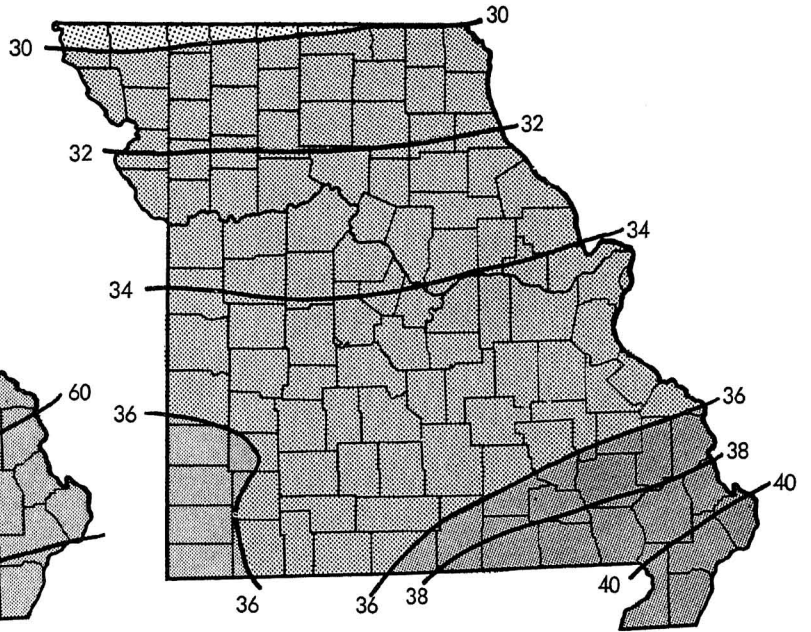


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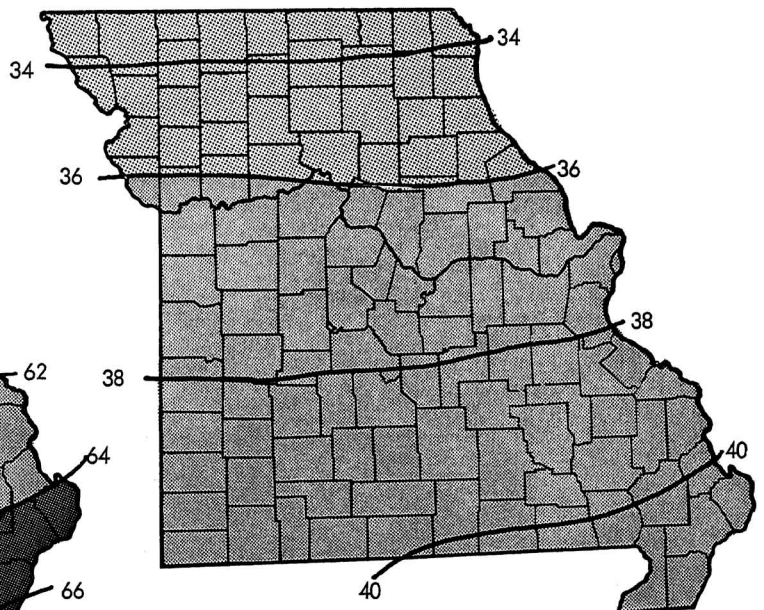
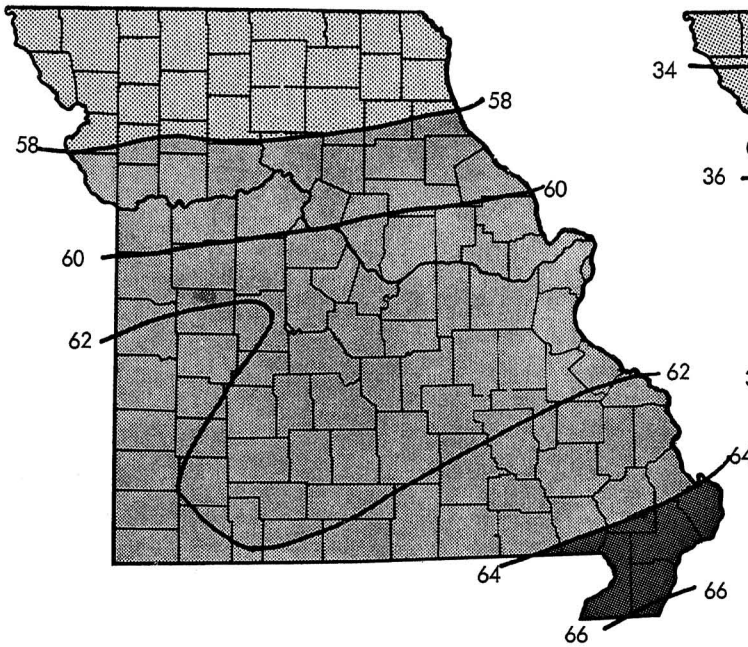
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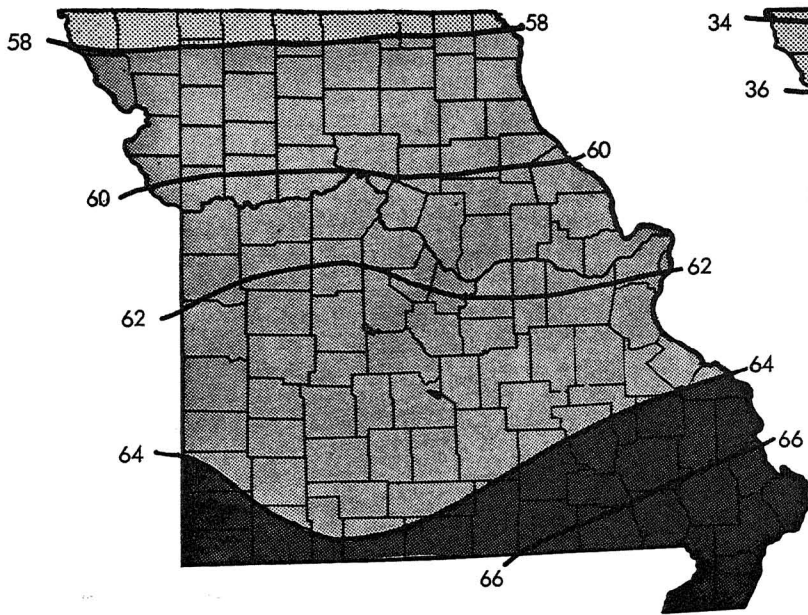


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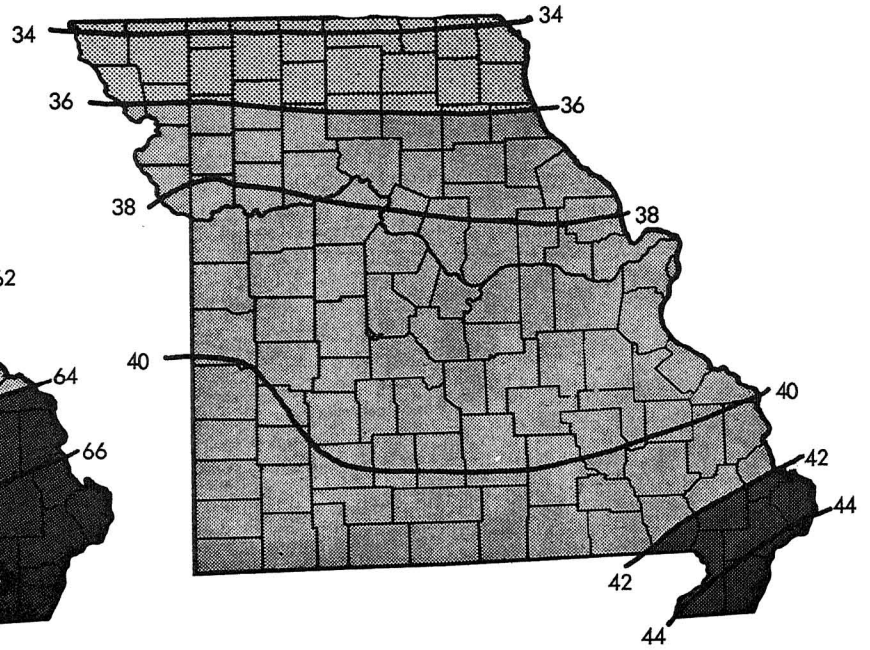


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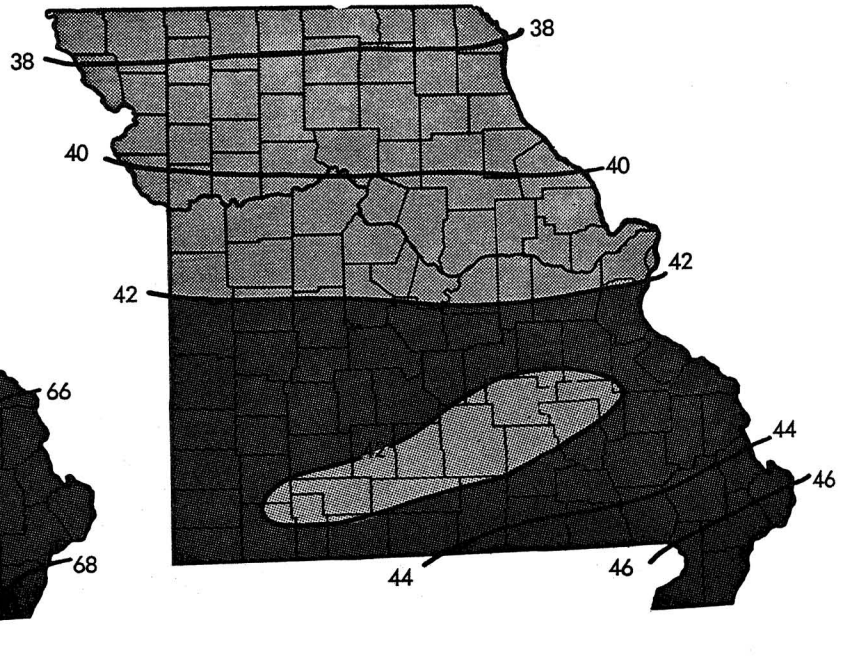
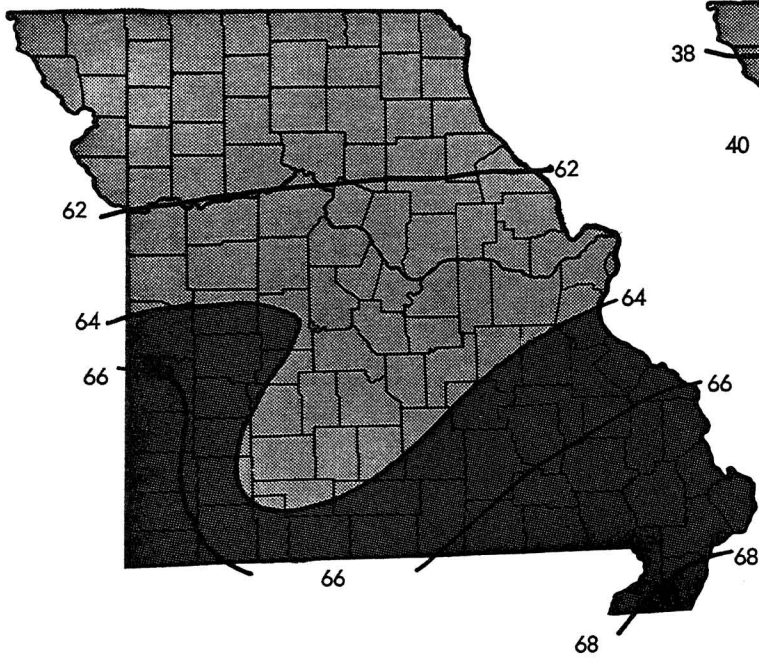
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MEAN MINIMUM TEMPERATURE

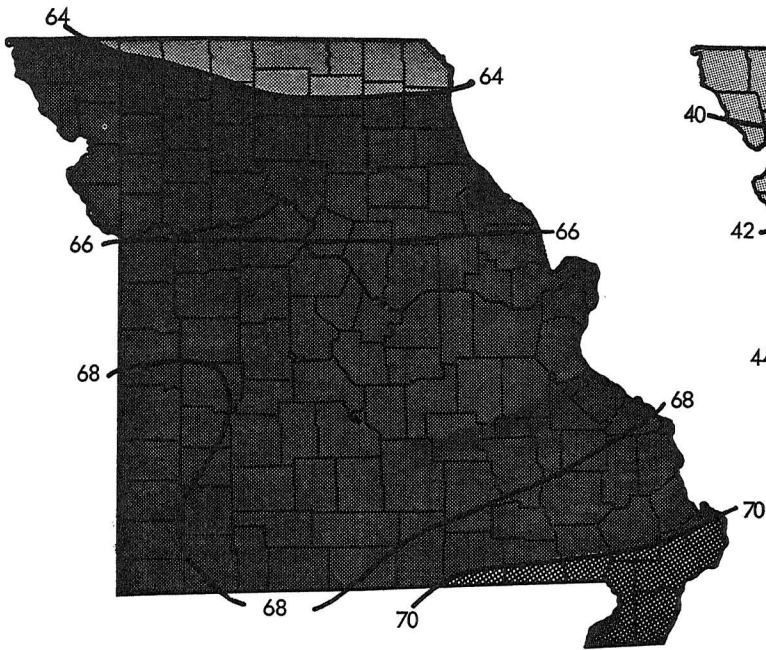


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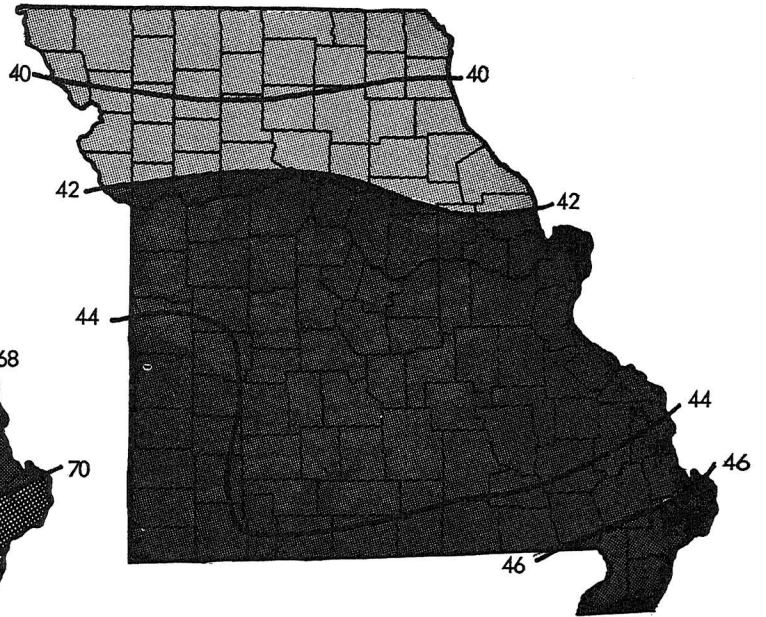


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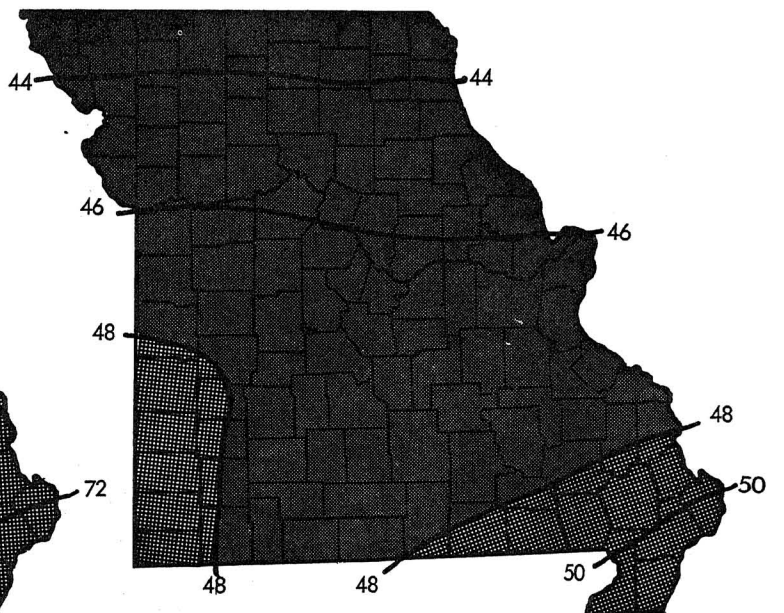
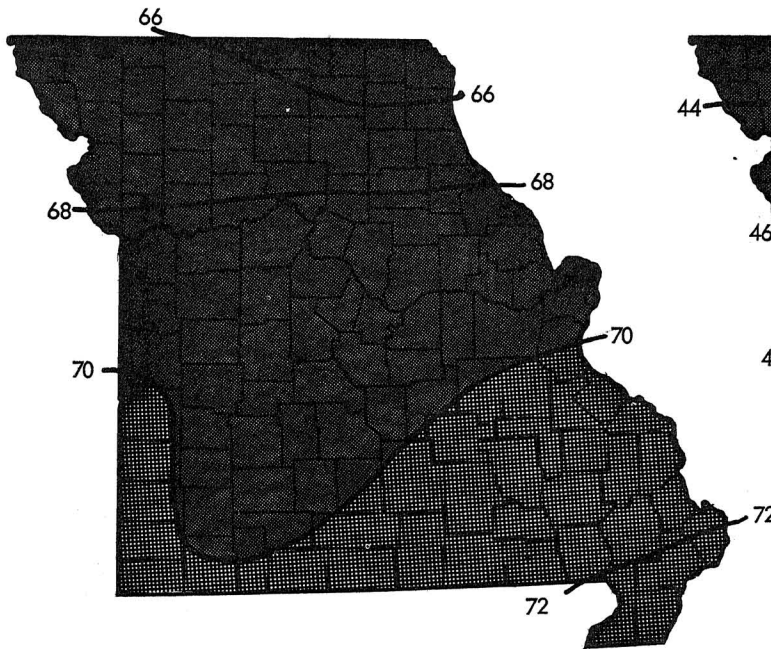
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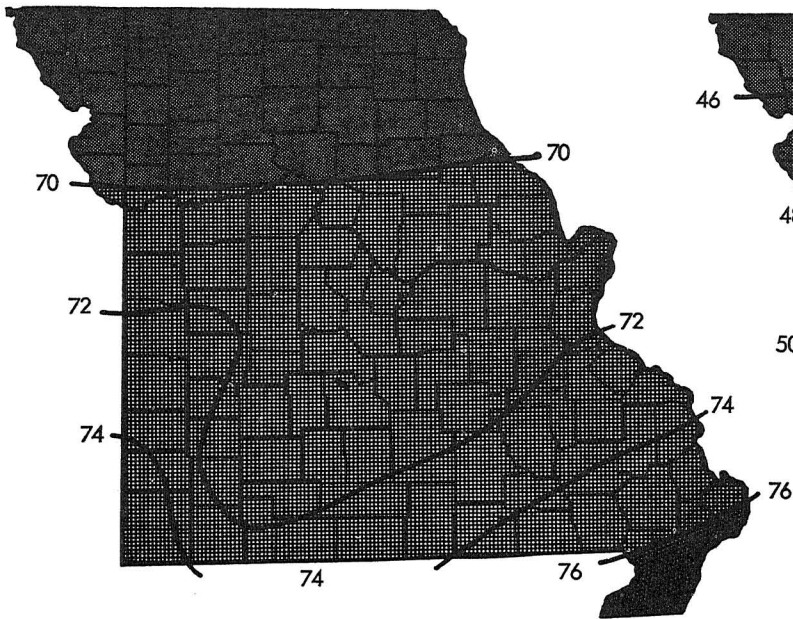


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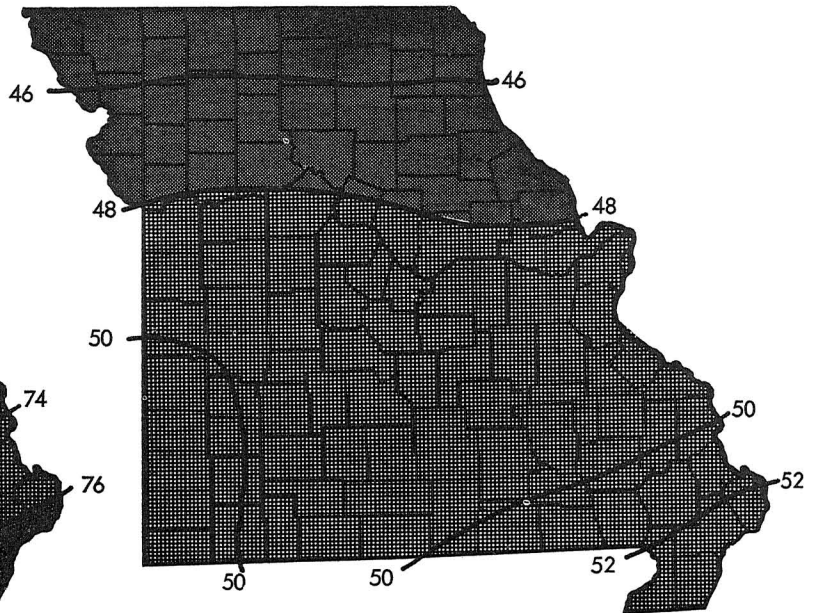


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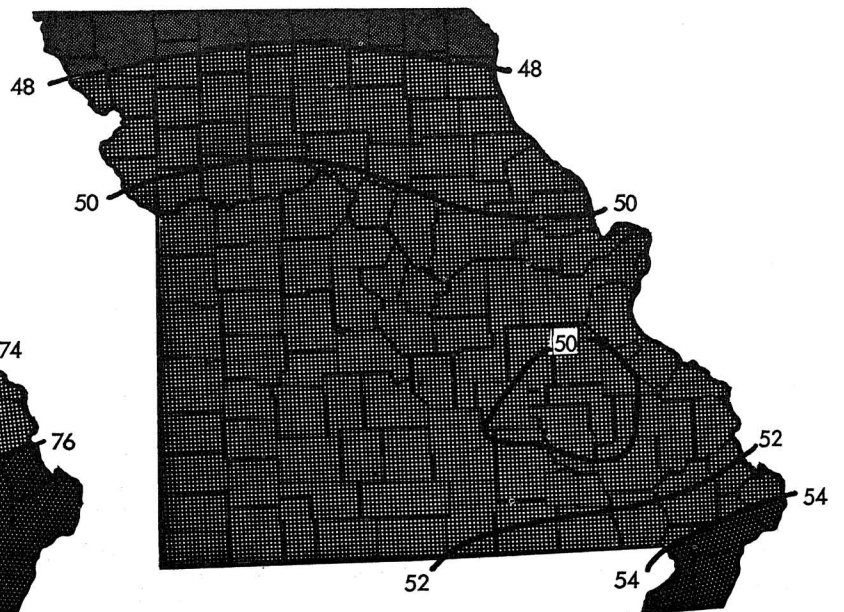
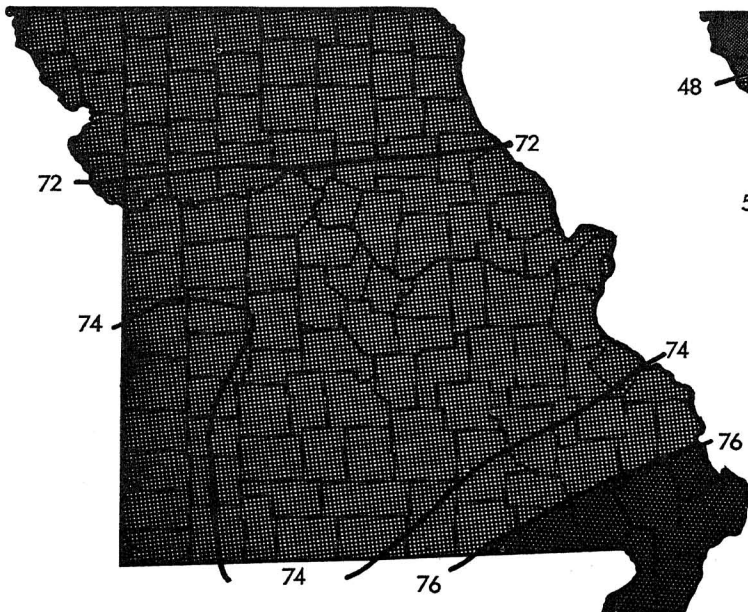
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MEAN MINIMUM TEMPERATURE

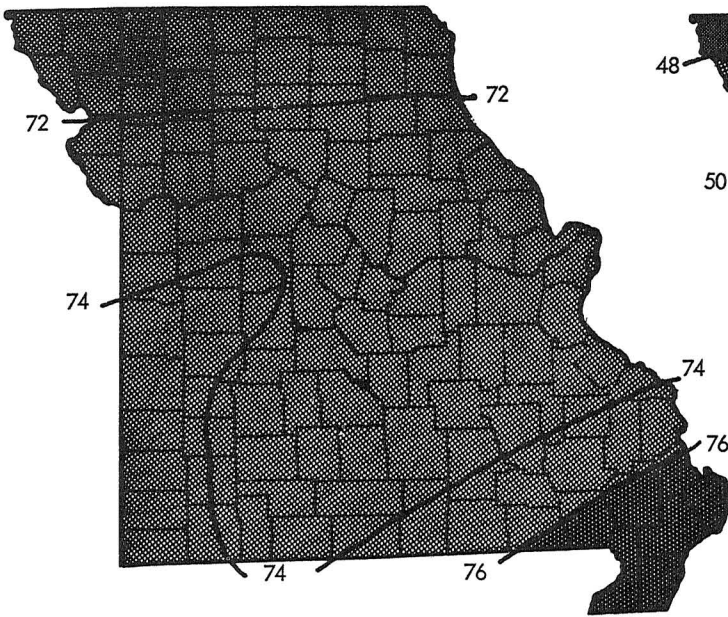


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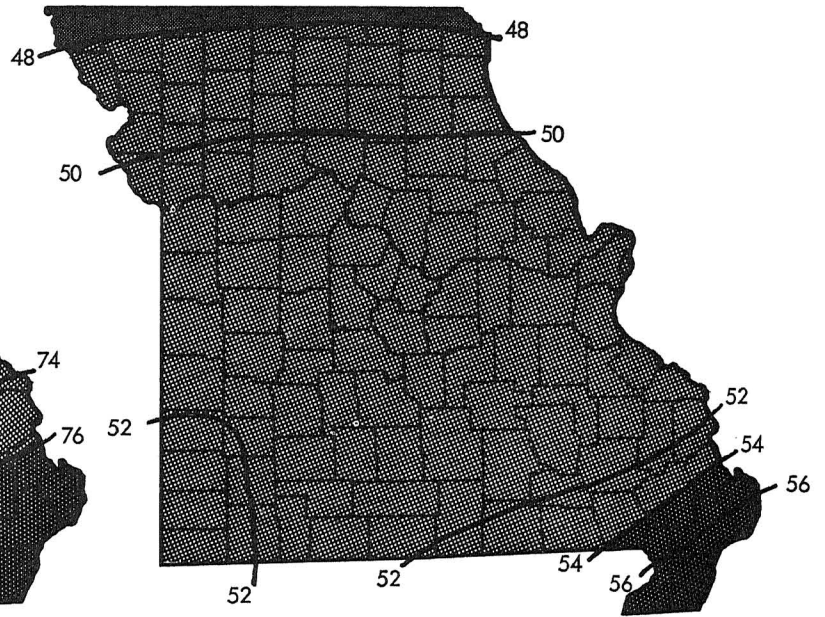


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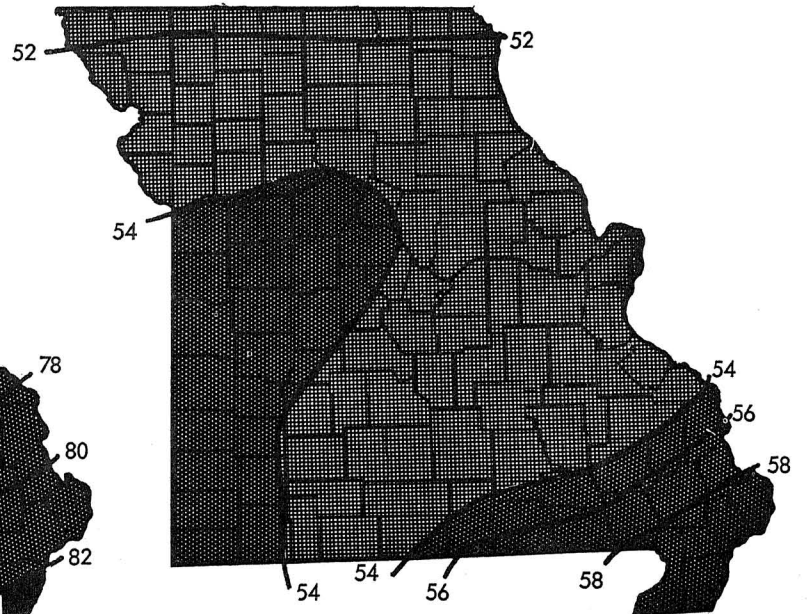
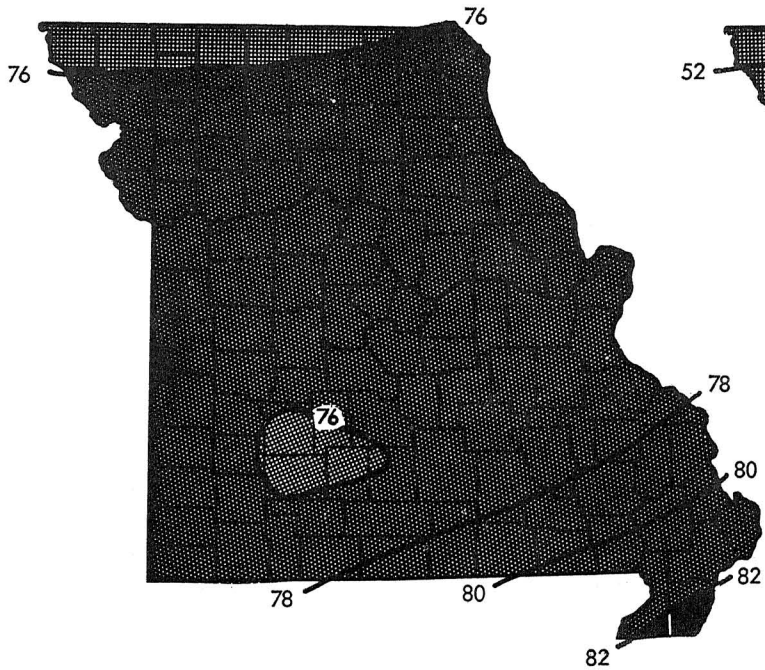
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MEAN MINIMUM TEMPERATURE

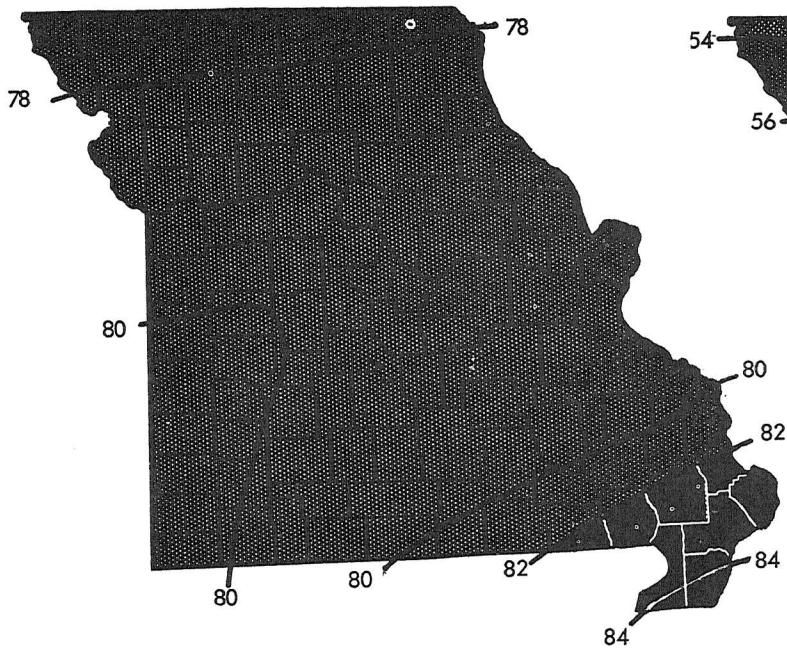


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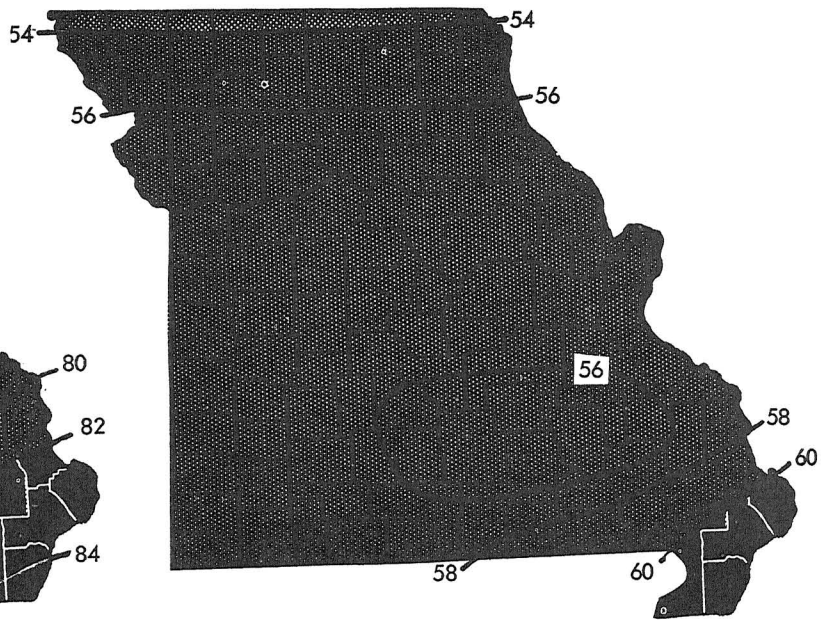


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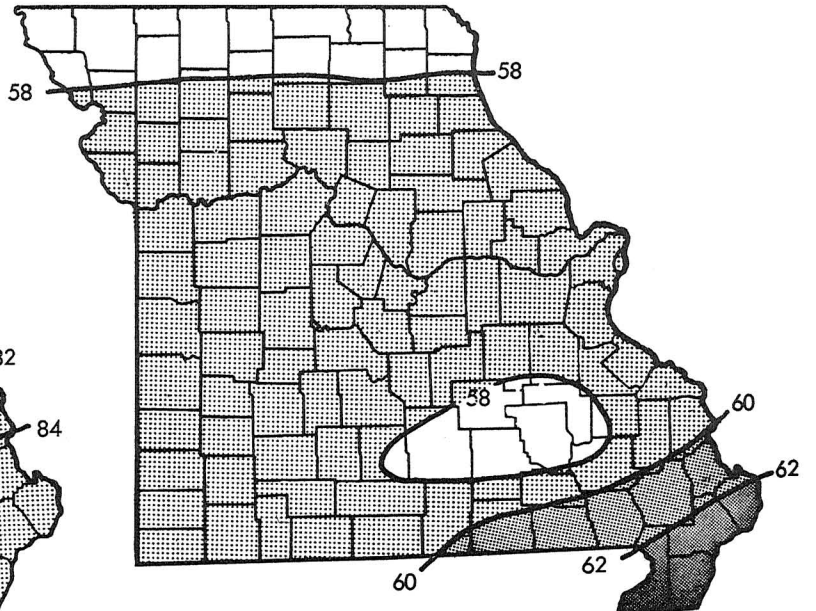
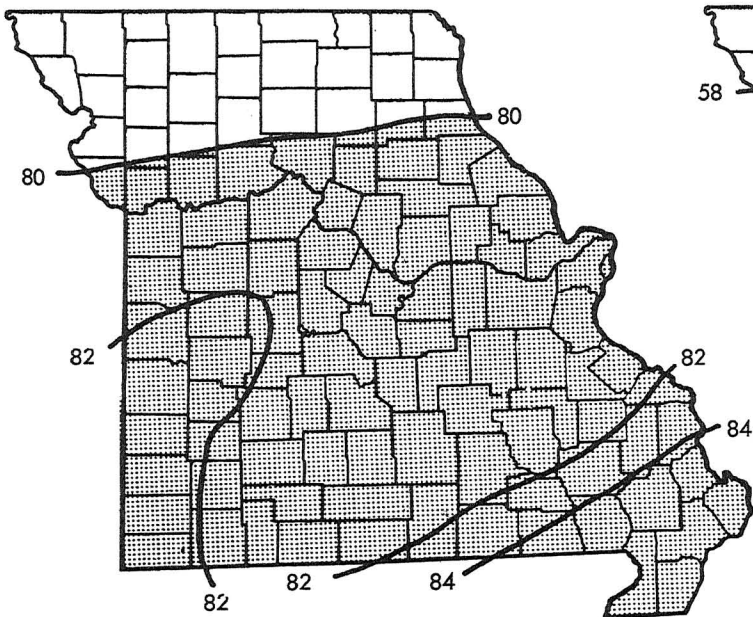
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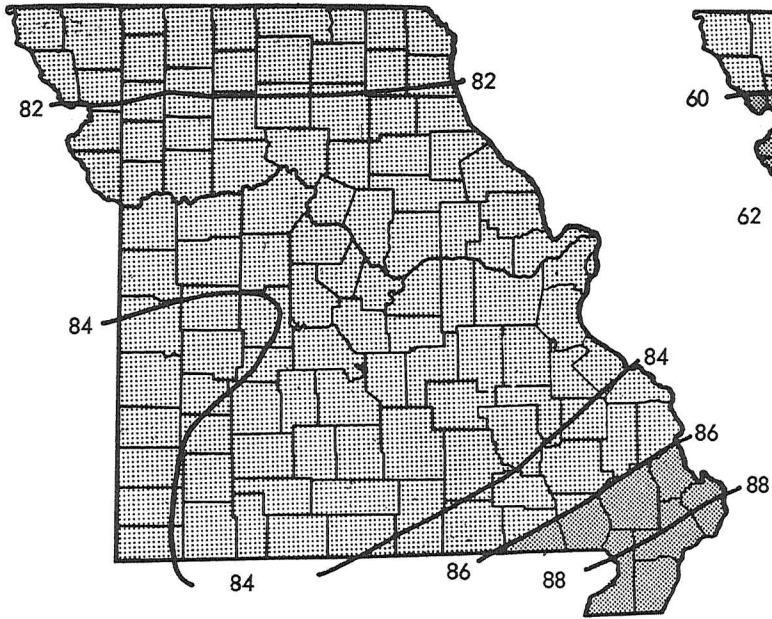


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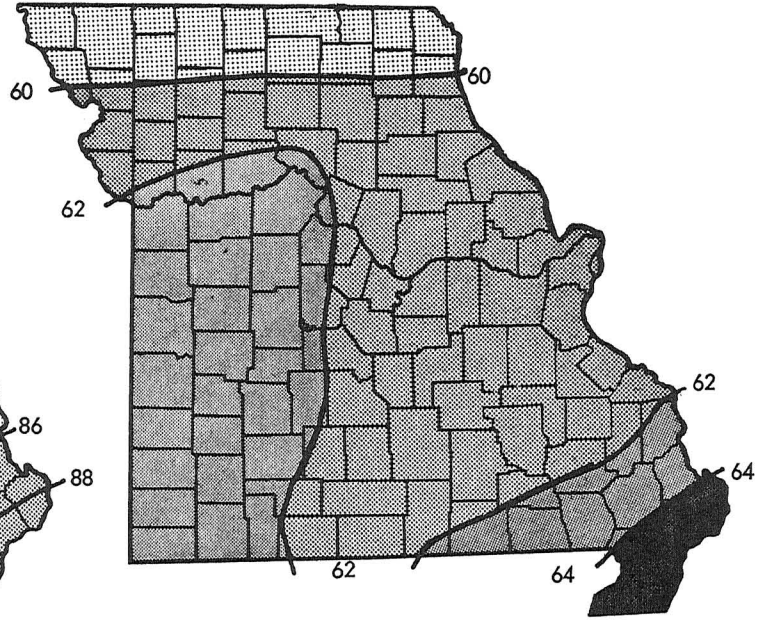


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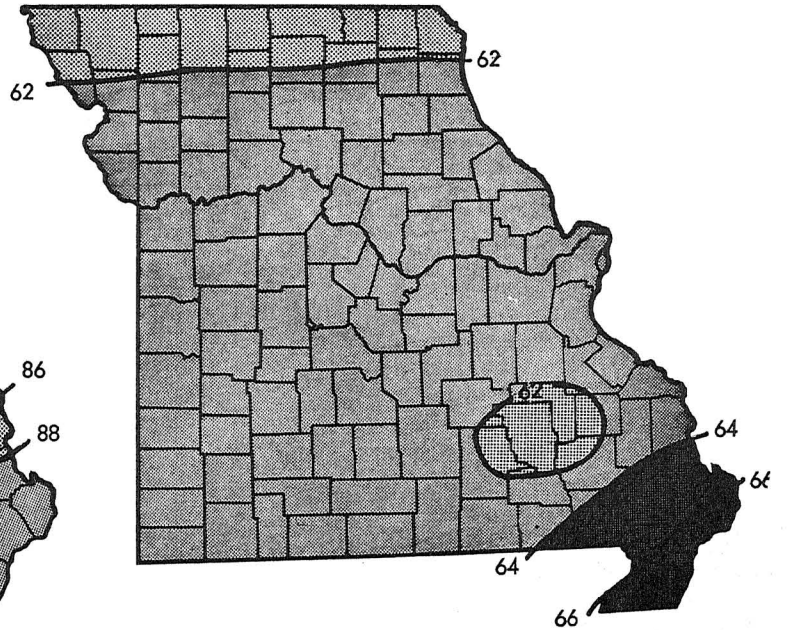
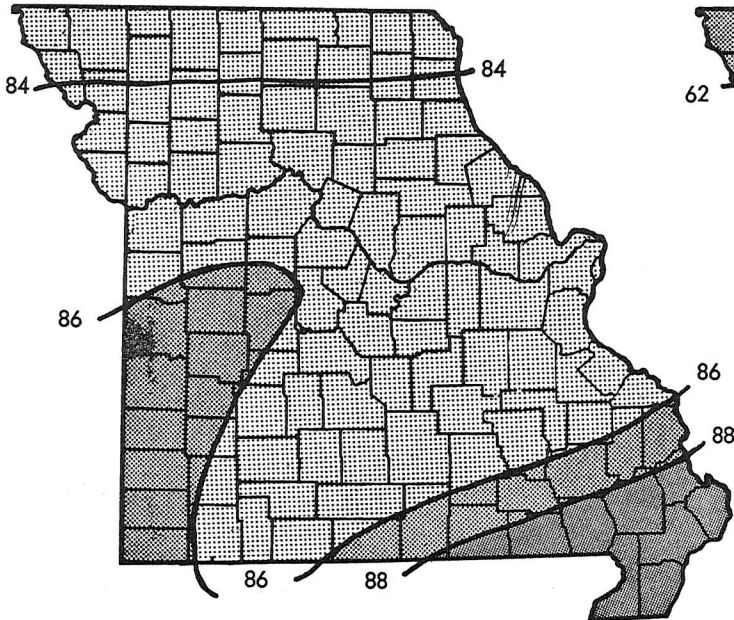
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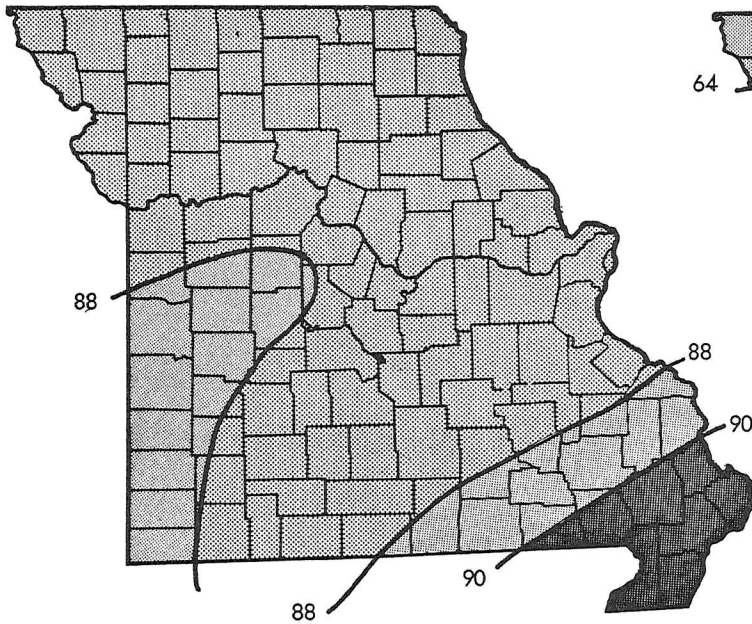


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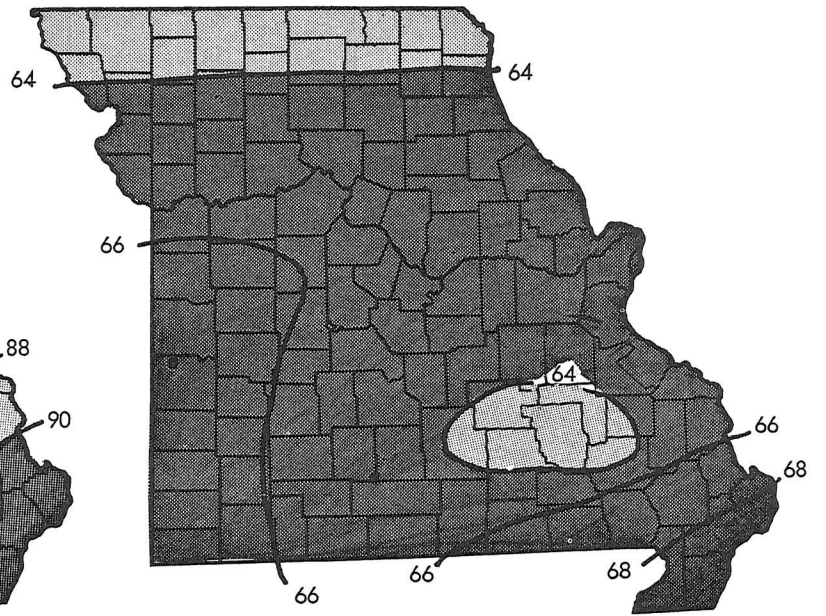


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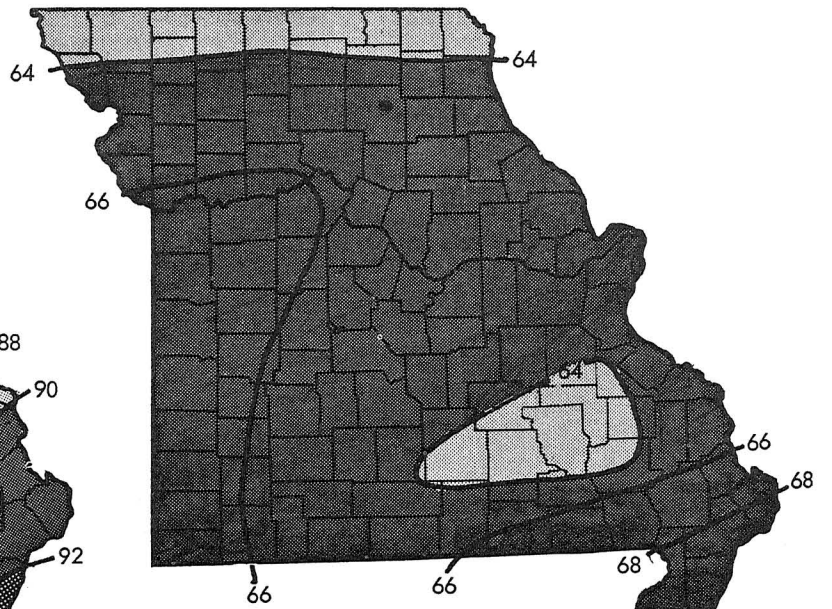
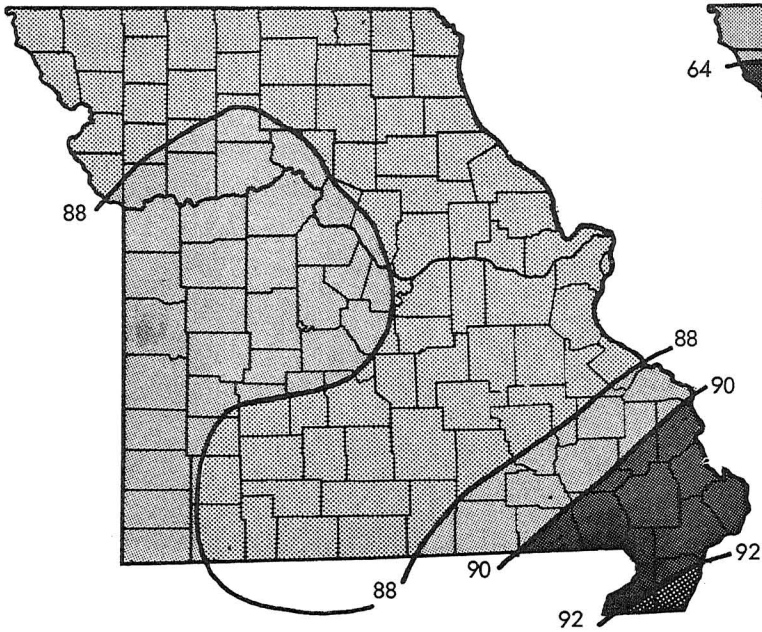
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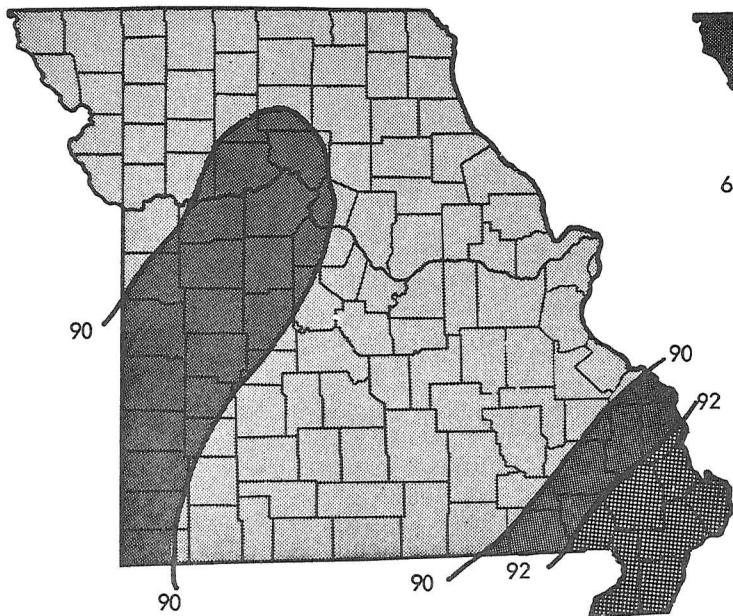
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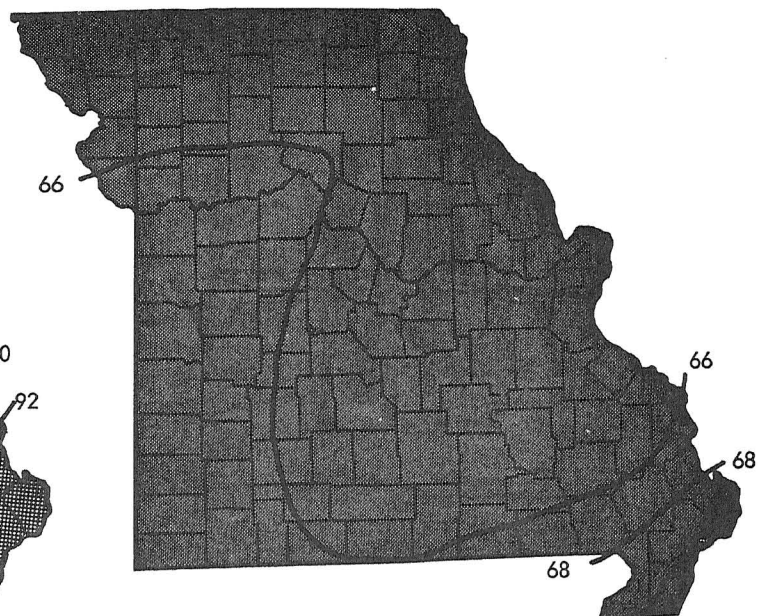


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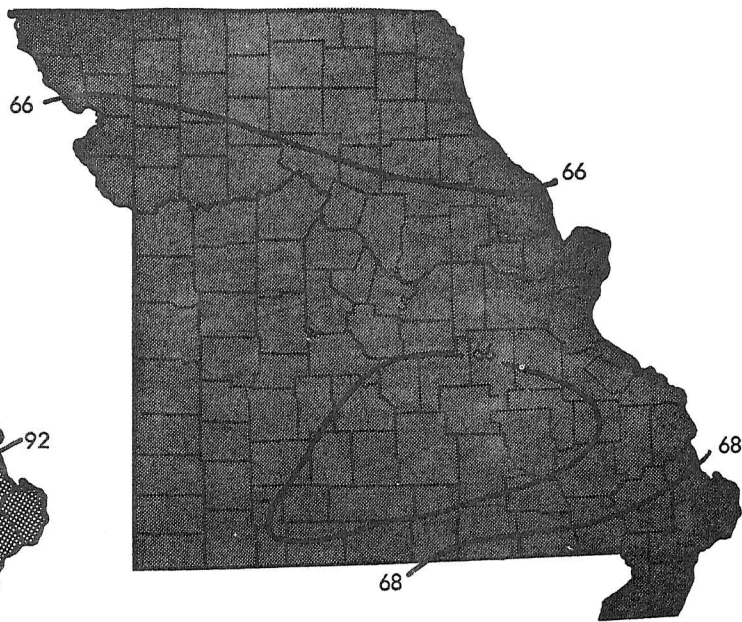
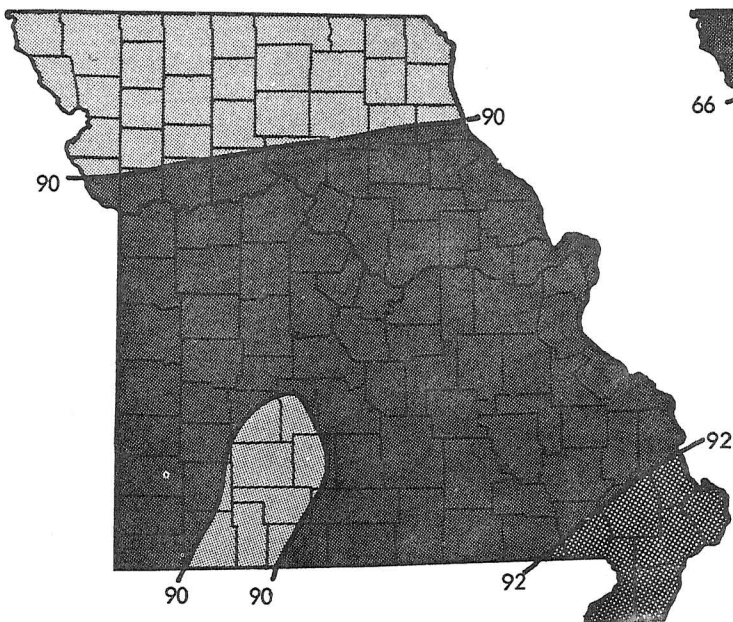
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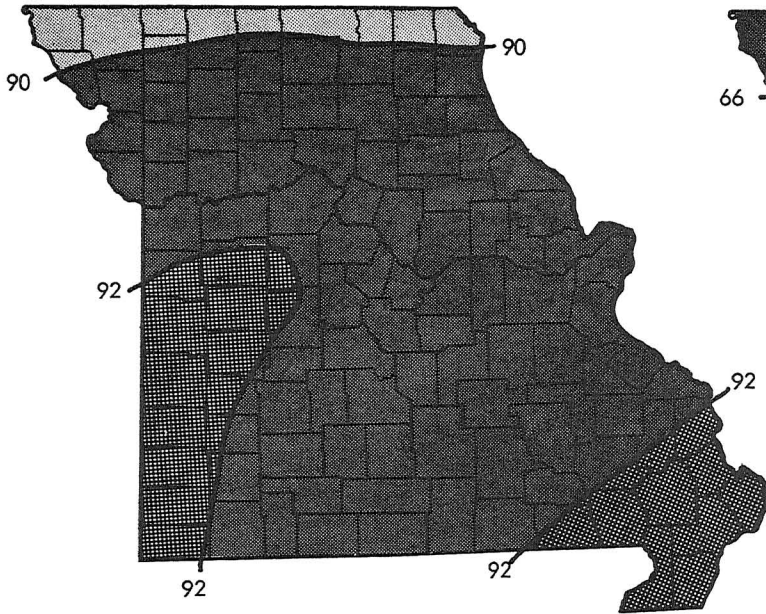


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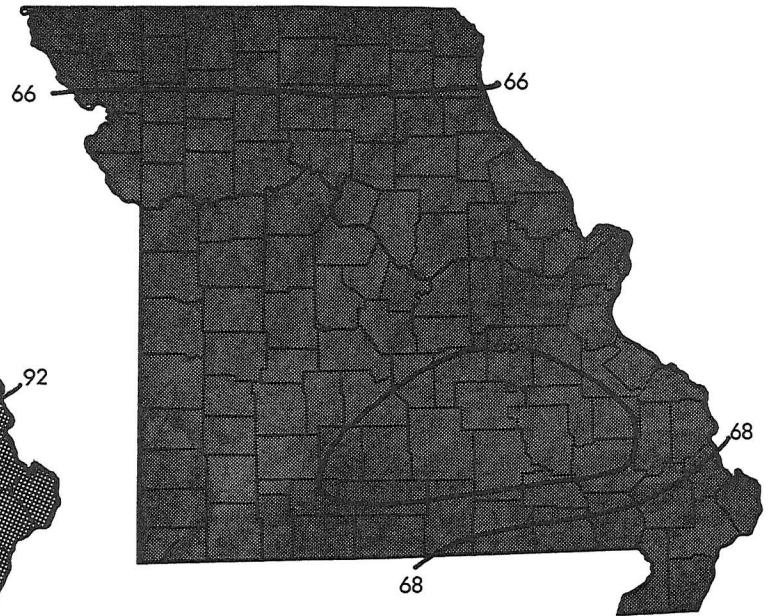


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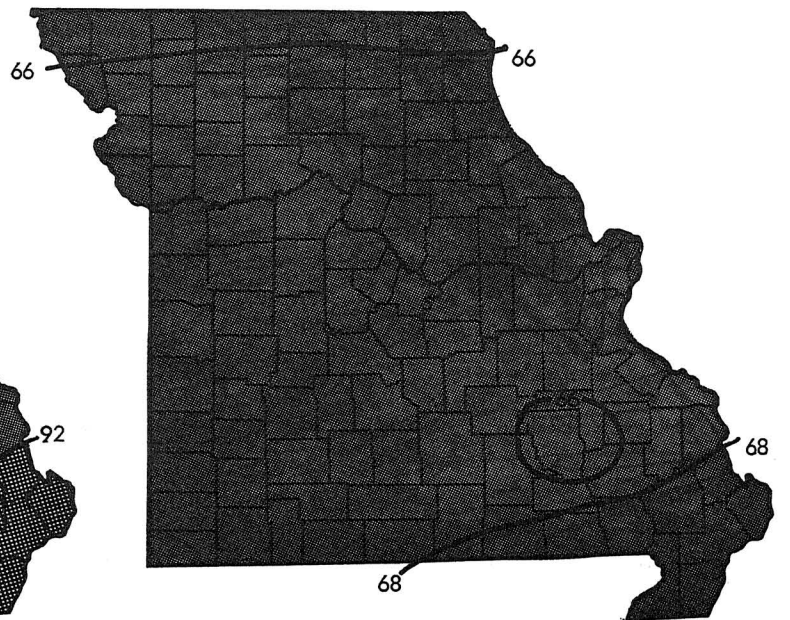
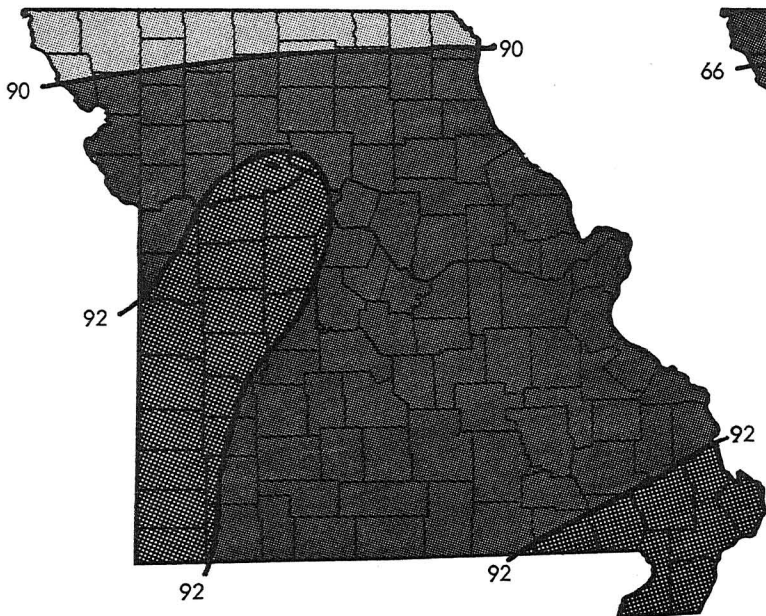
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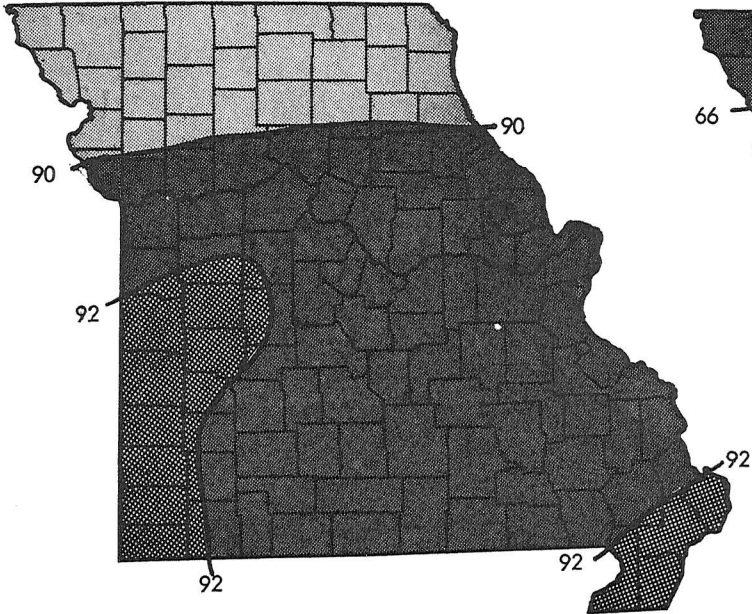


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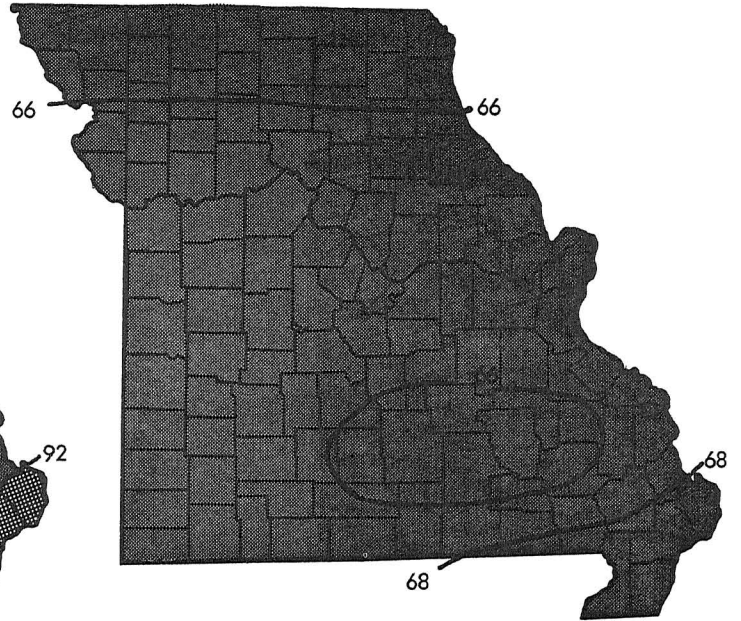


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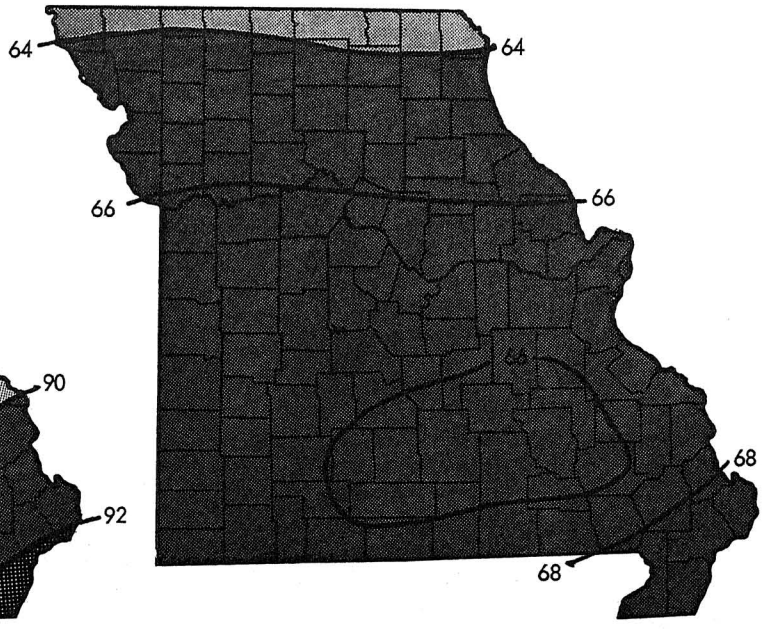
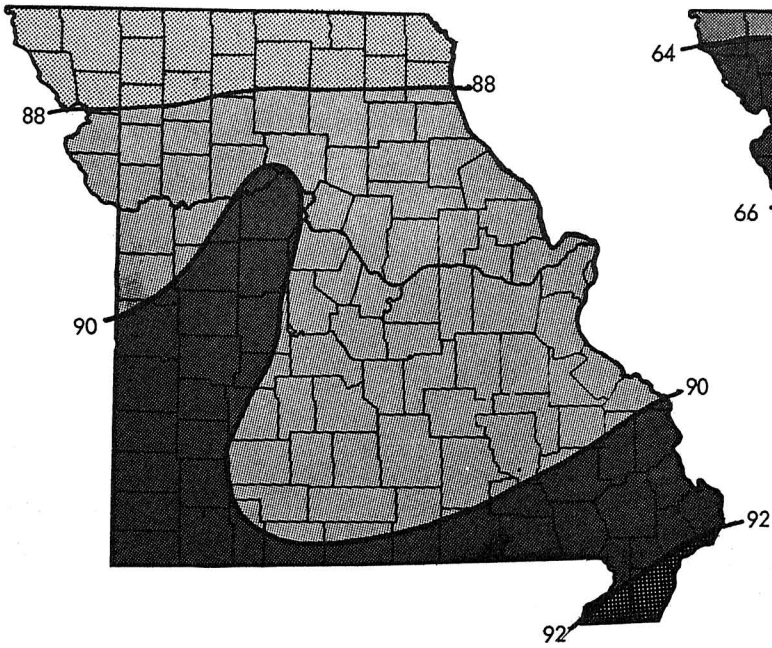
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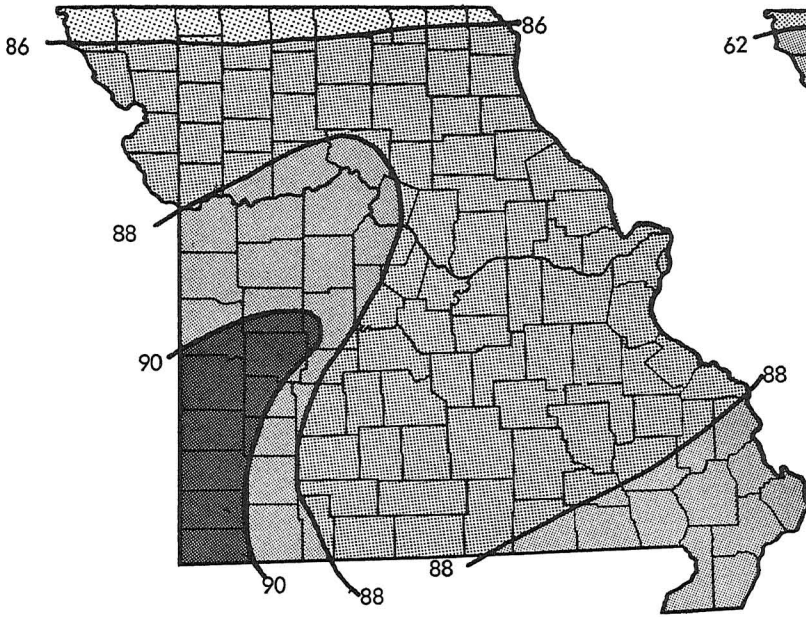


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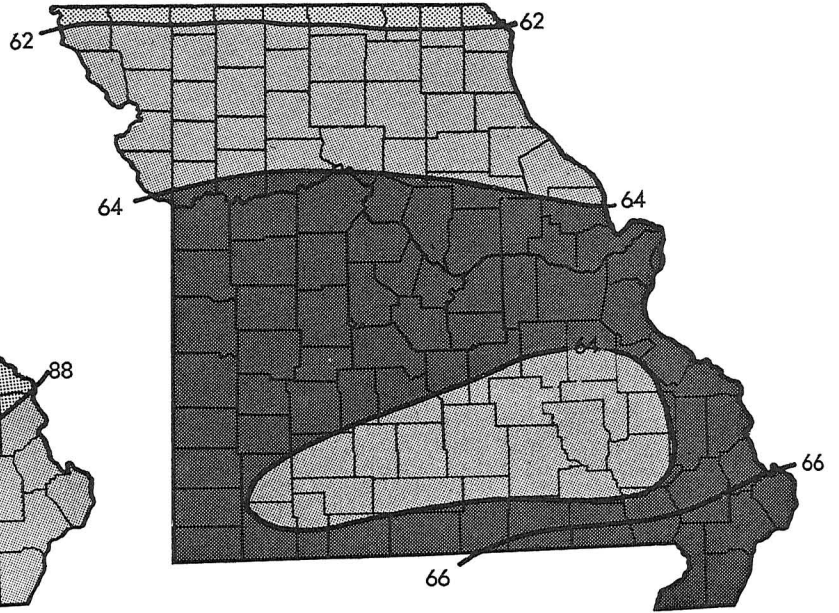


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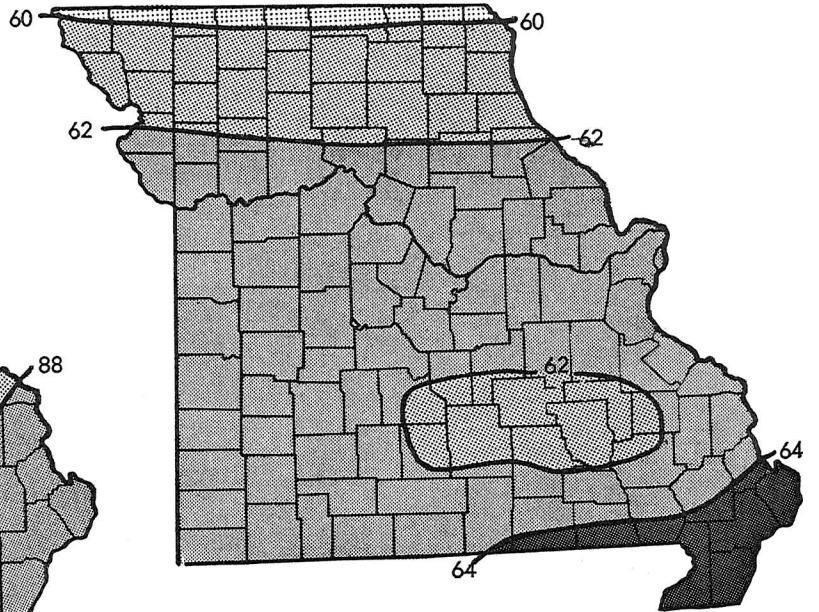
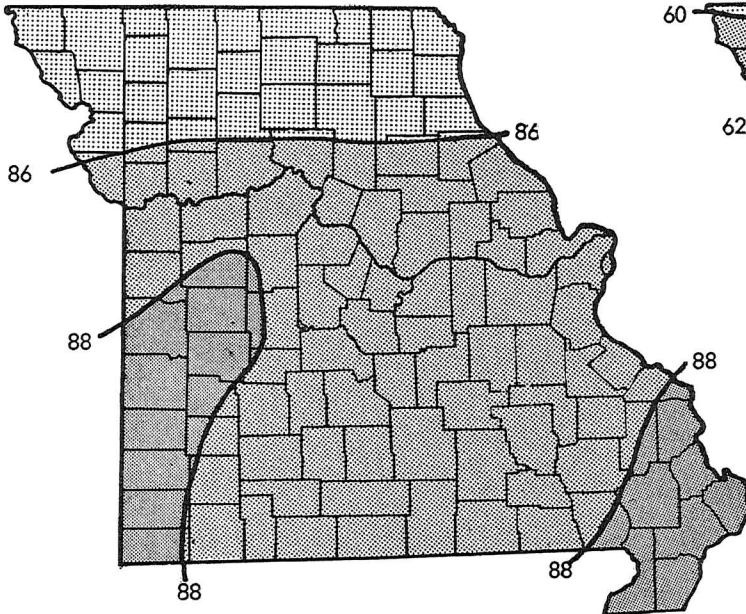
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MEAN MINIMUM TEMPERATURE

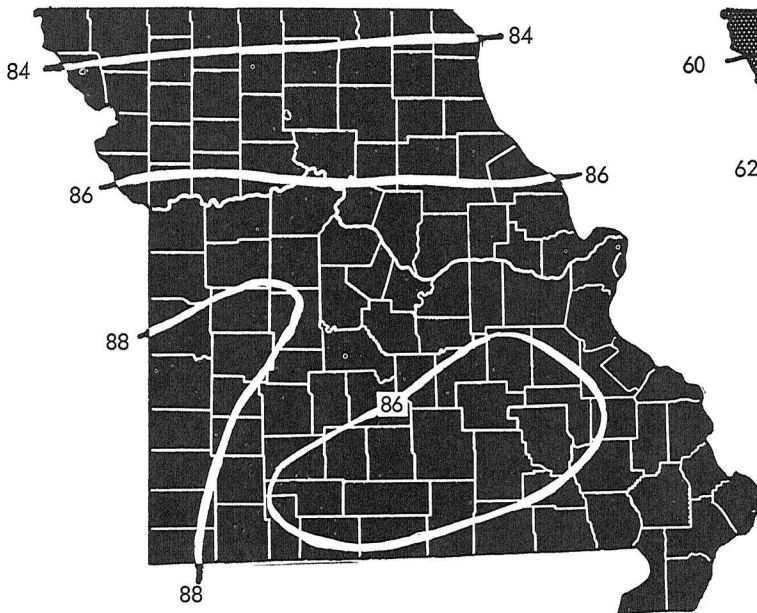


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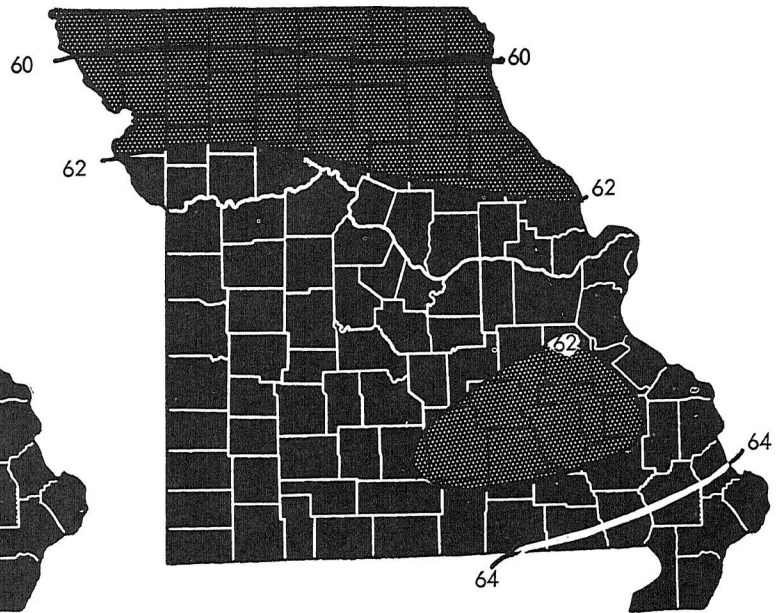


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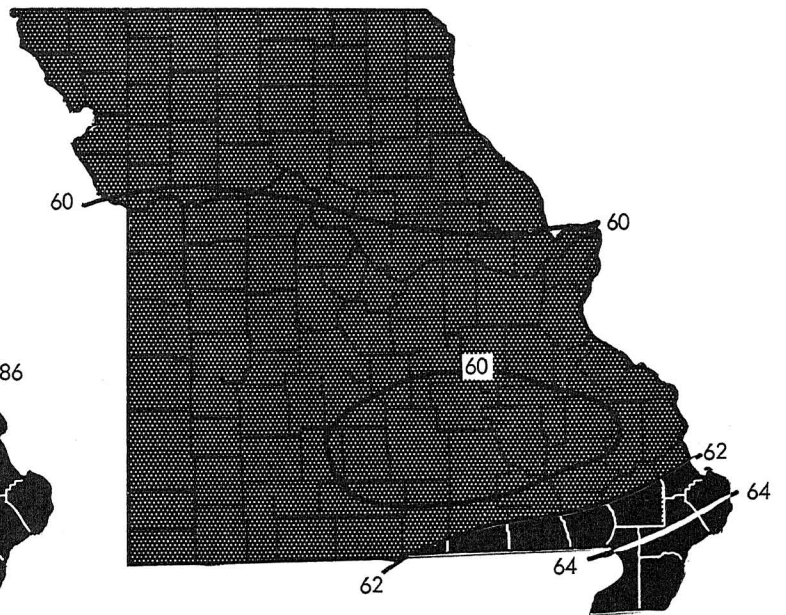
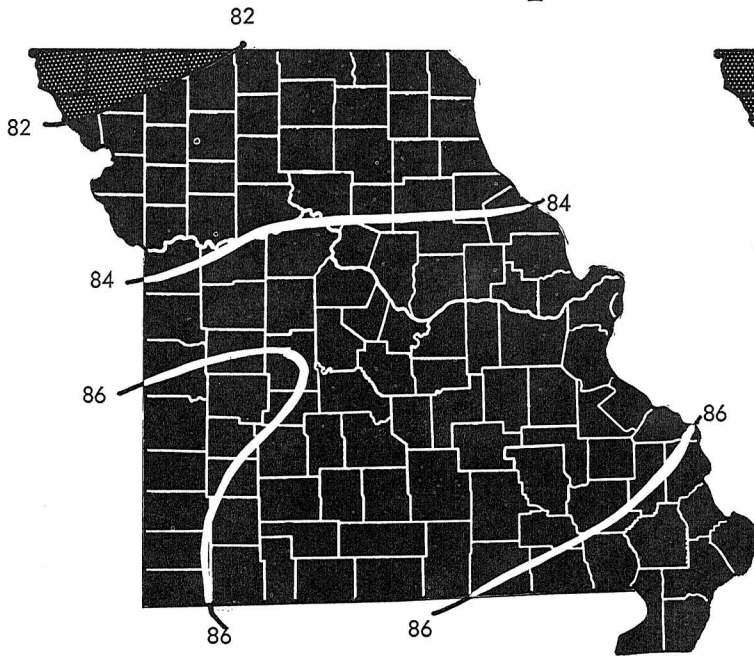
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MEAN MINIMUM TEMPERATURE

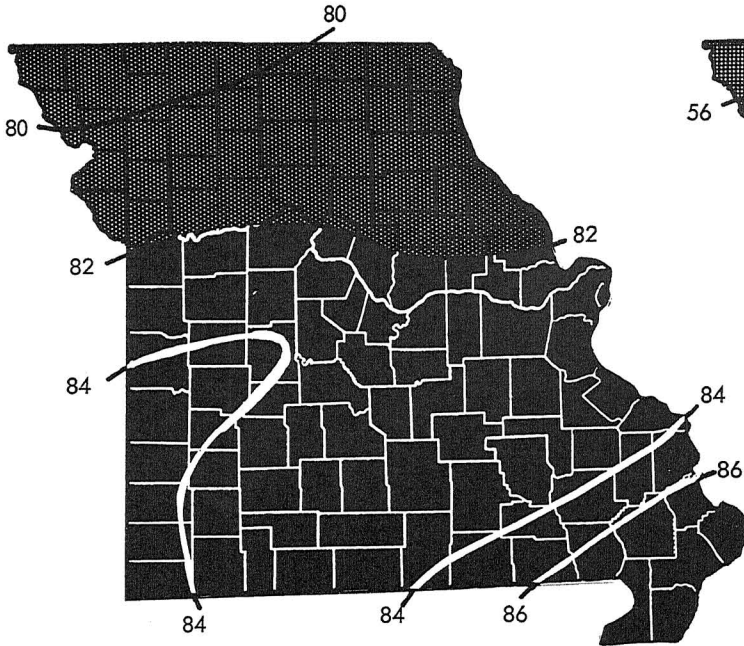


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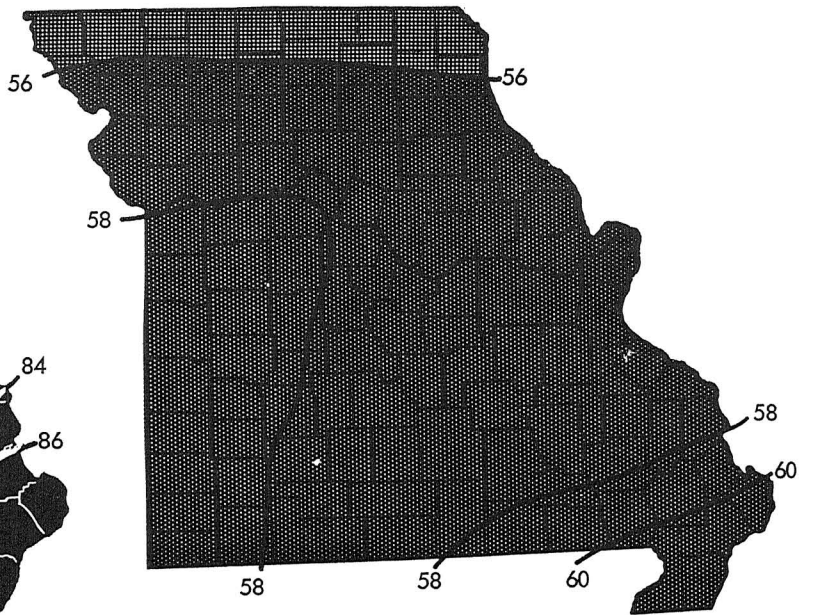


# Sept. 13 Through Sept. 19

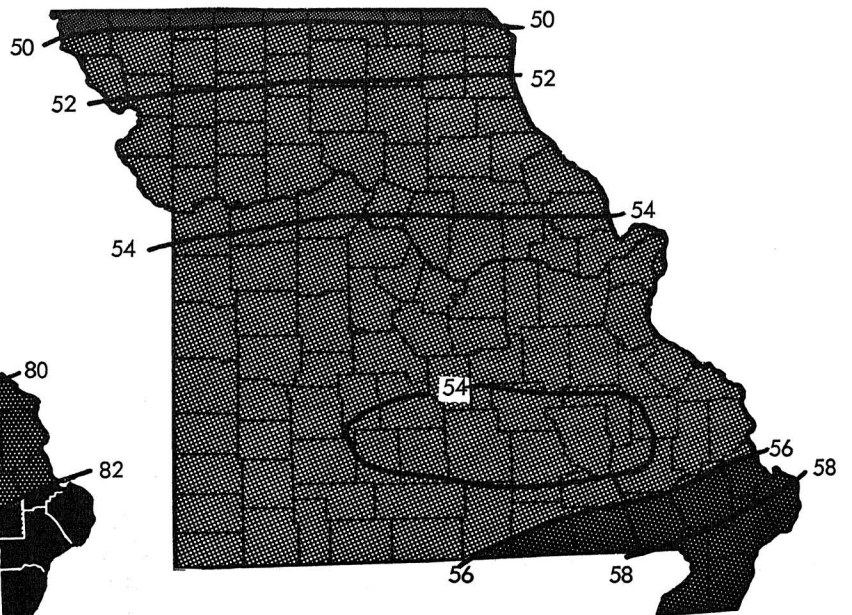
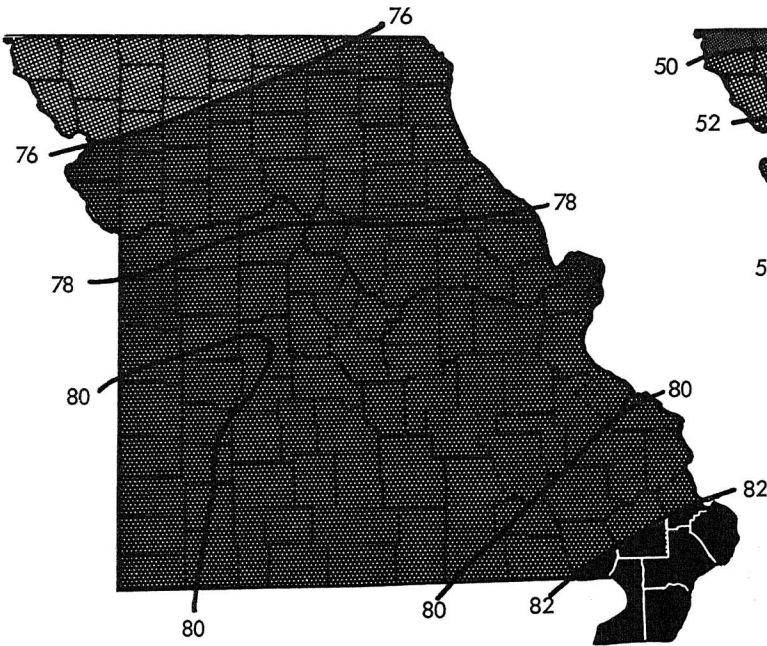
MEAN MAXIMUM TEMPERATURE



MEAN MINIMUM TEMPERATURE



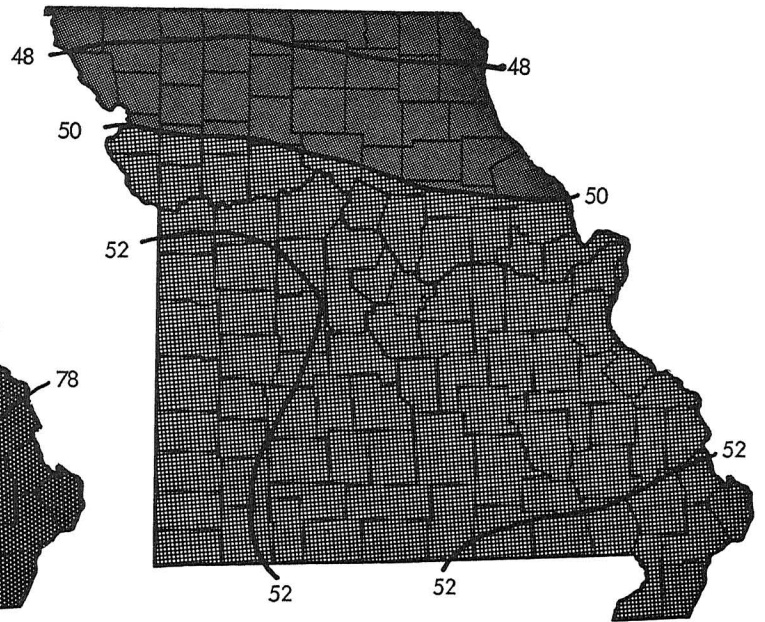
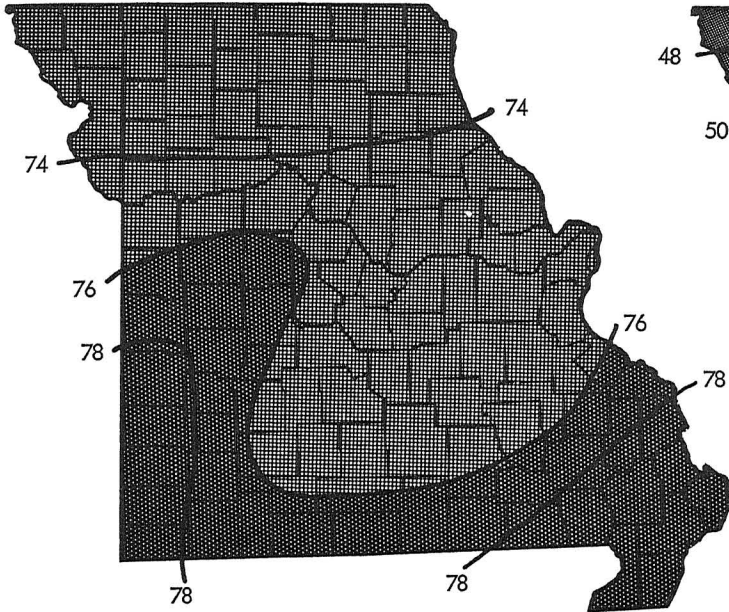
# Sept. 20 Through Sept. 26



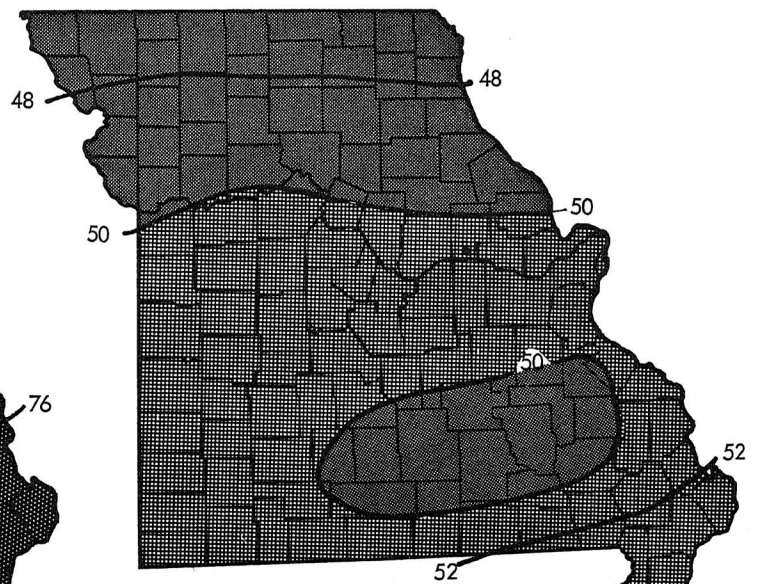
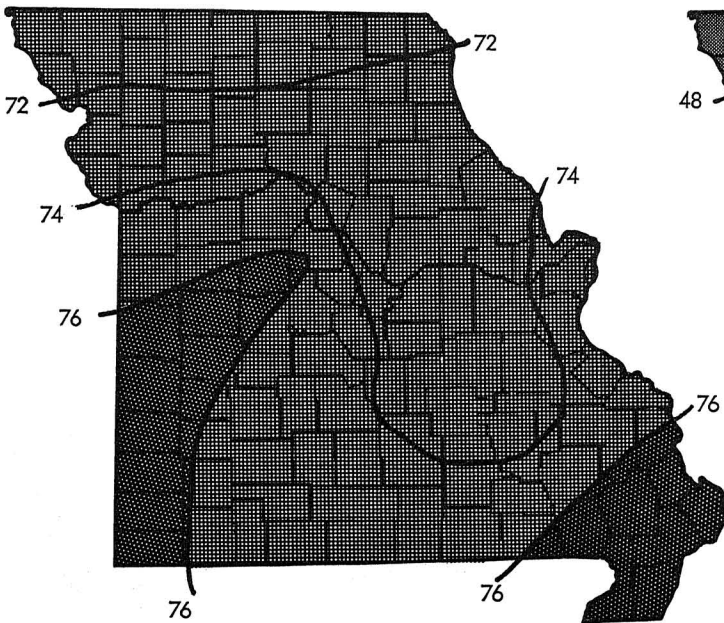
# Sept. 27 Through October 3

MEAN MAXIMUM TEMPERATURE

MEAN MINIMUM TEMPERATURE

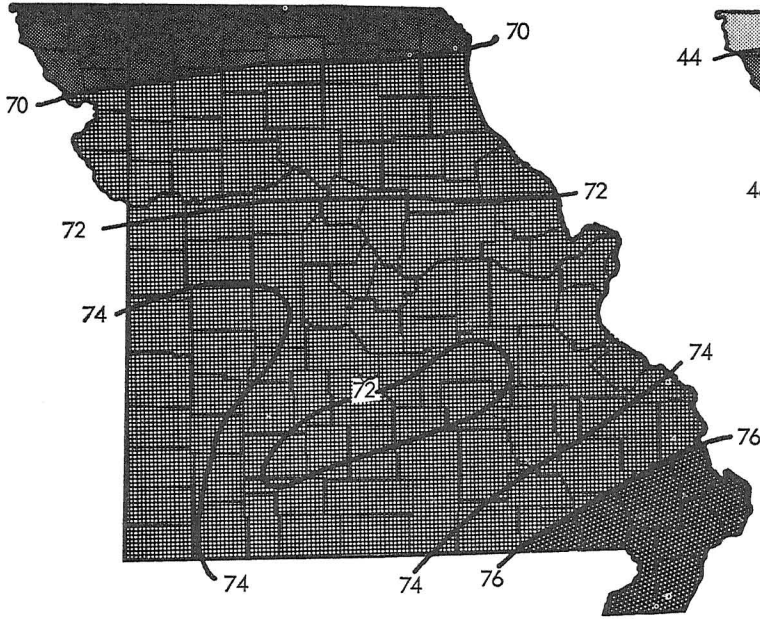


# October 4 Through October 10

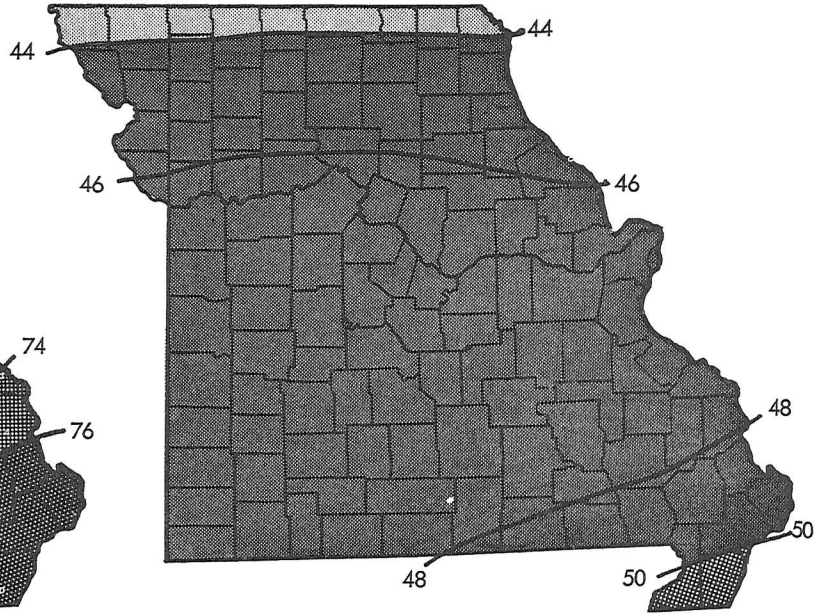


# October 11 Through October 17

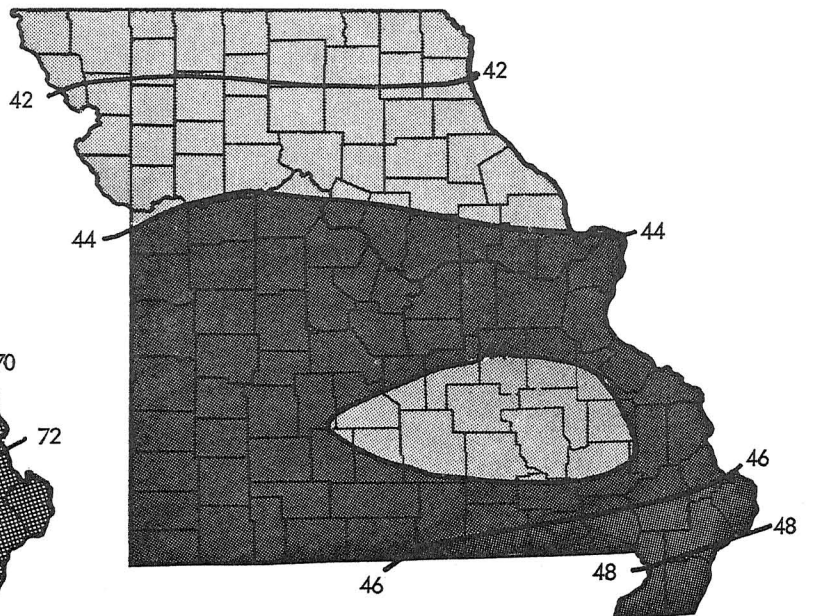
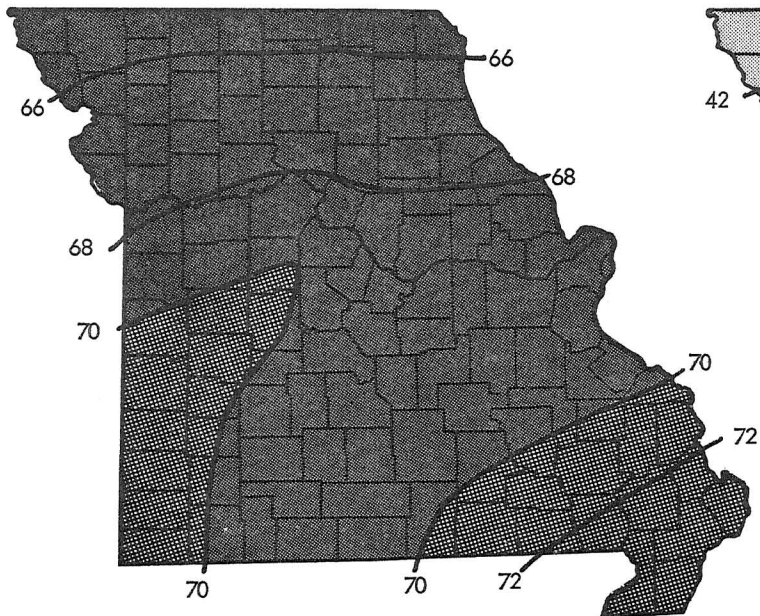
MEAN MAXIMUM TEMPERATURE



MEAN MINIMUM TEMPERATURE



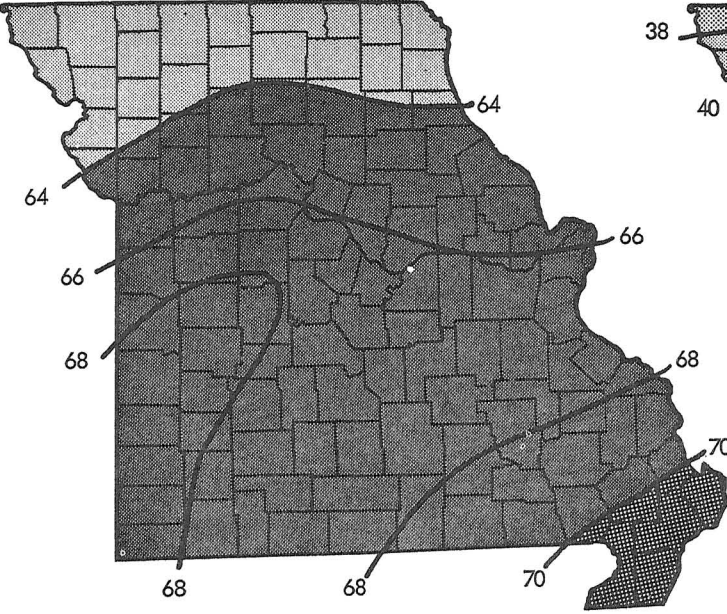
# October 18 Through October 24



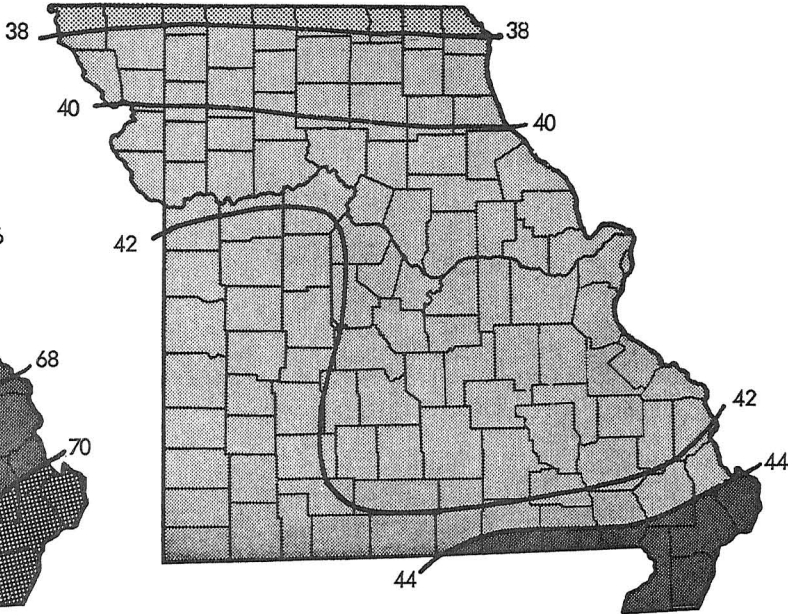


# October 25 Through October 31

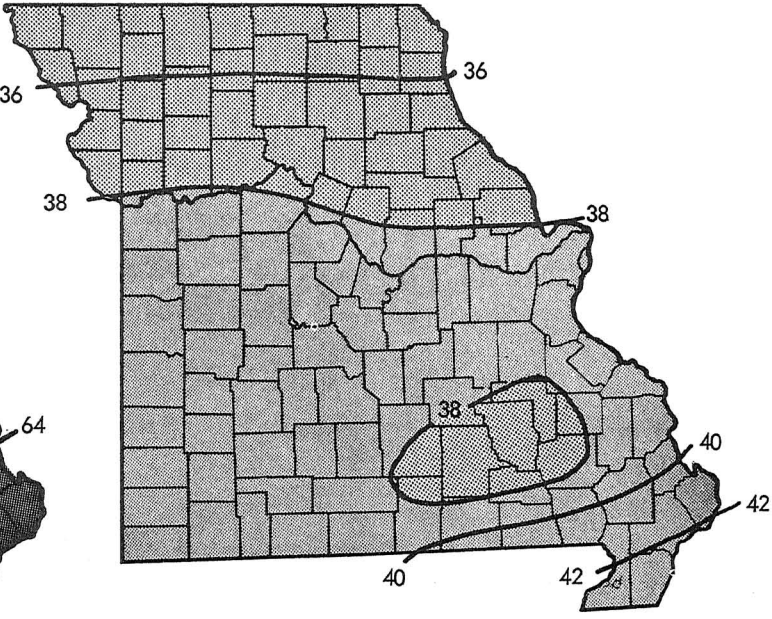
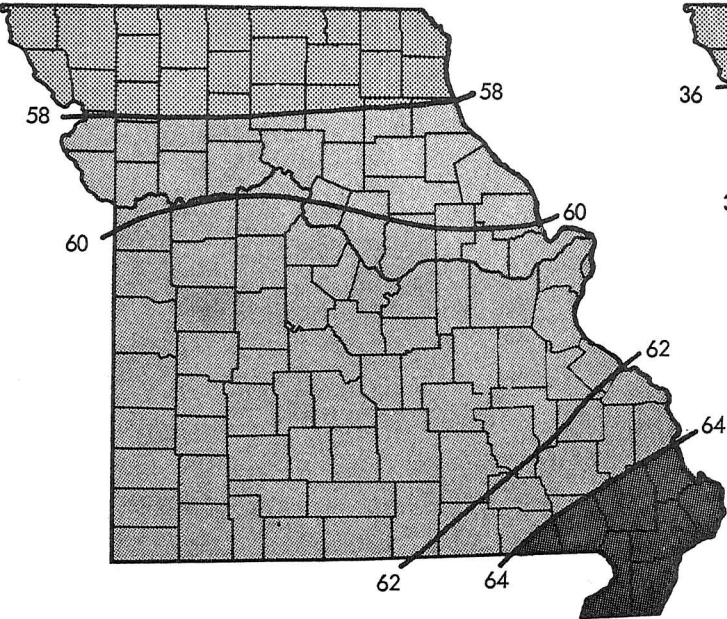
MEAN MAXIMUM TEMPERATURE



MEAN MINIMUM TEMPERATURE

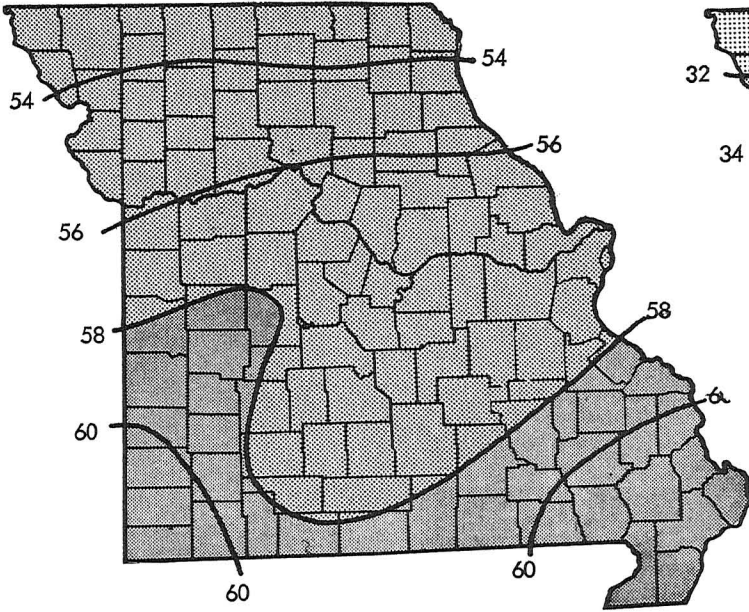


# Nov. 1 Through Nov. 7

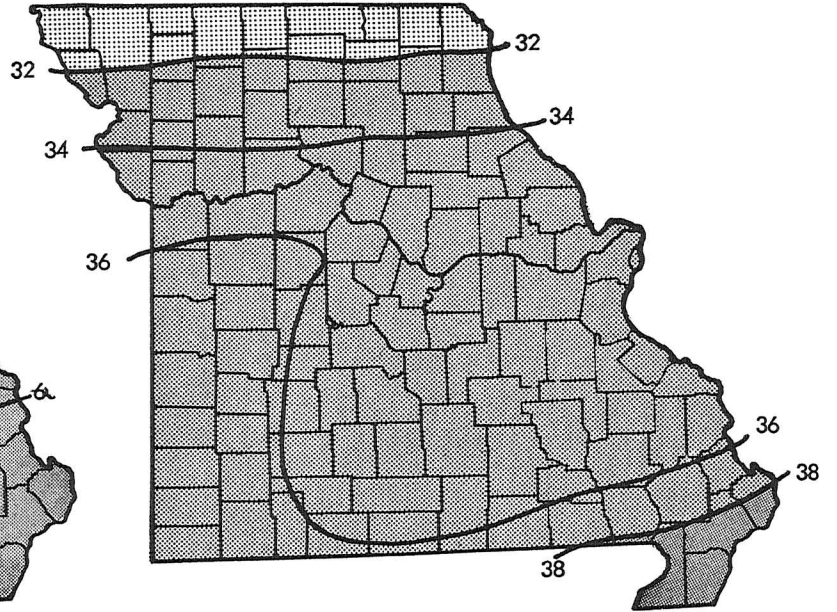


# Nov. 8 Through Nov. 14

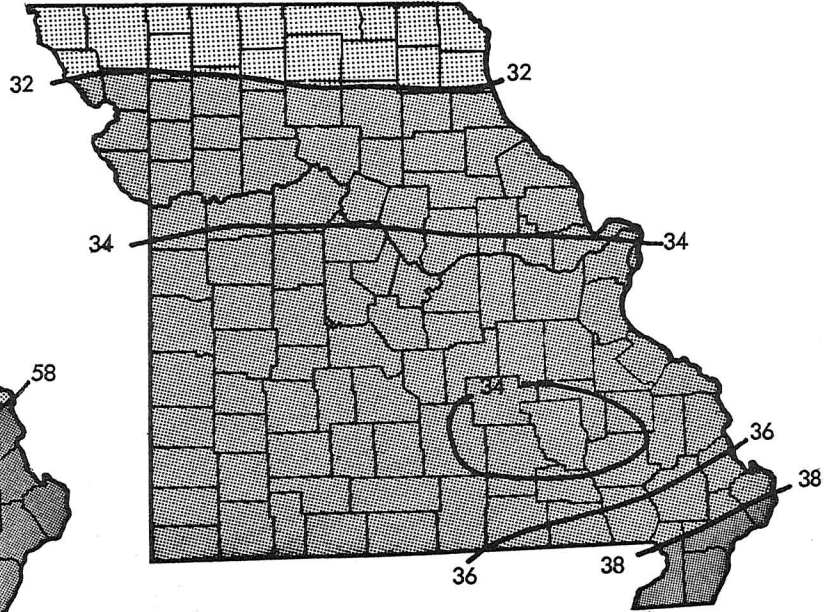
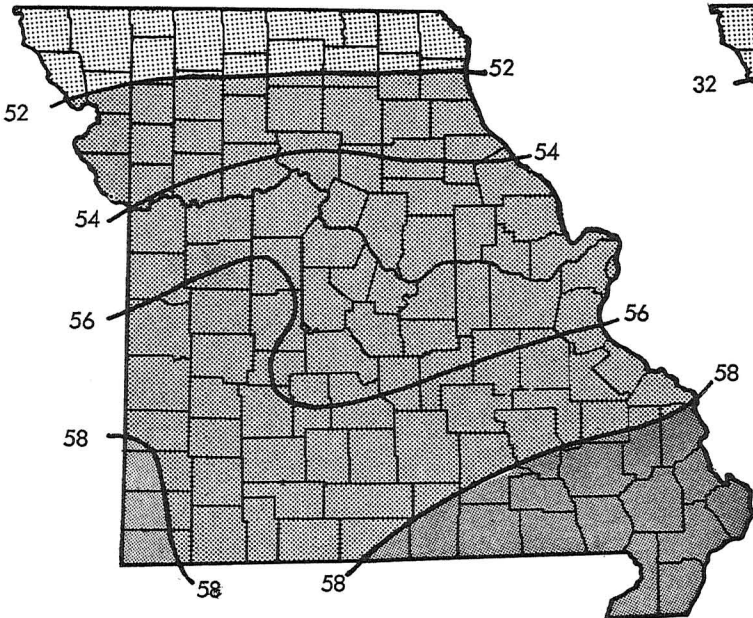
MEAN MAXIMUM TEMPERATURE



MEAN MINIMUM TEMPERATURE

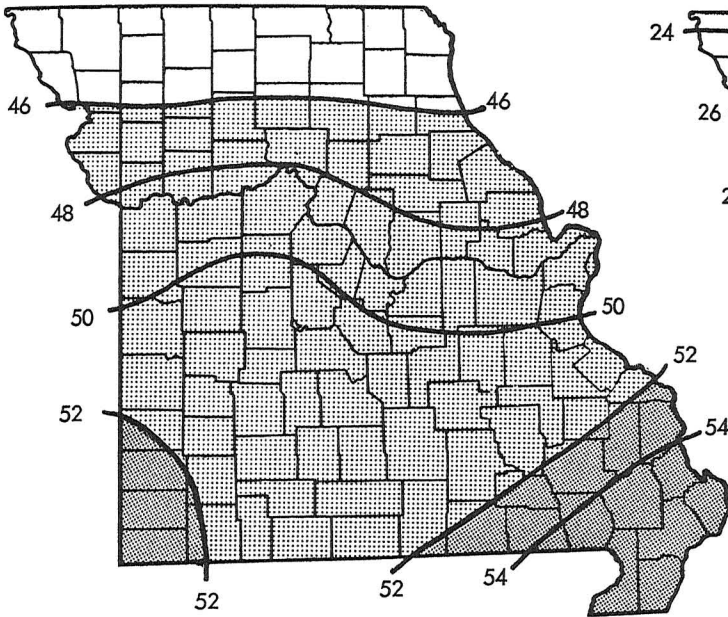


# Nov. 15 Through Nov. 21

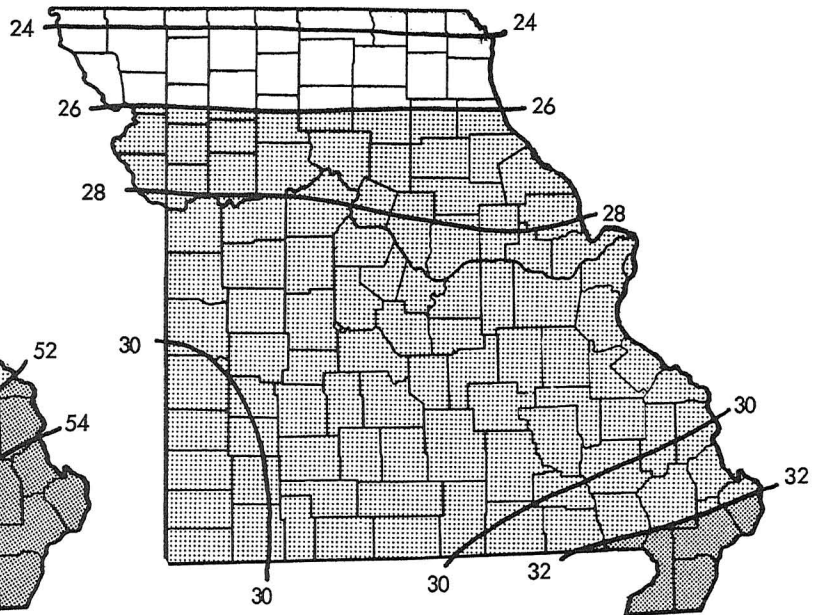


# Nov. 22 Through Nov. 28

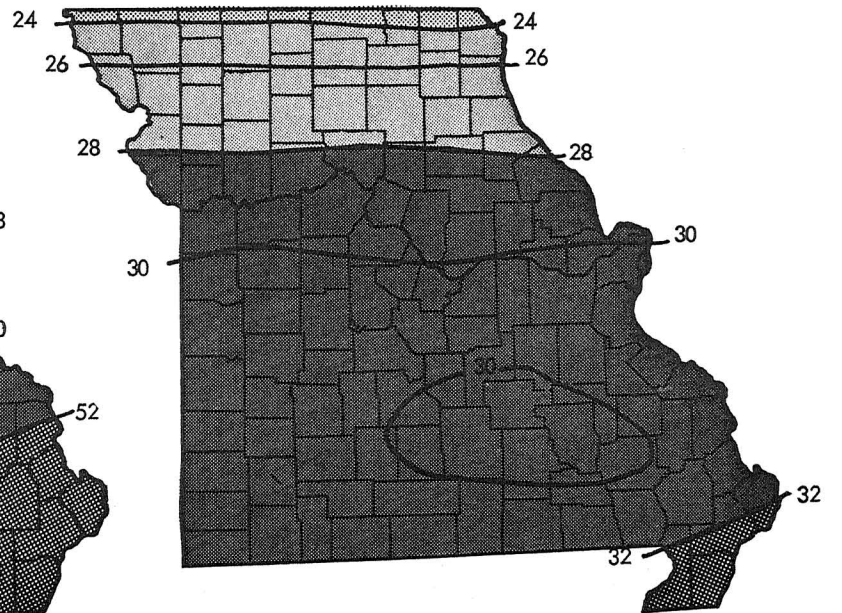
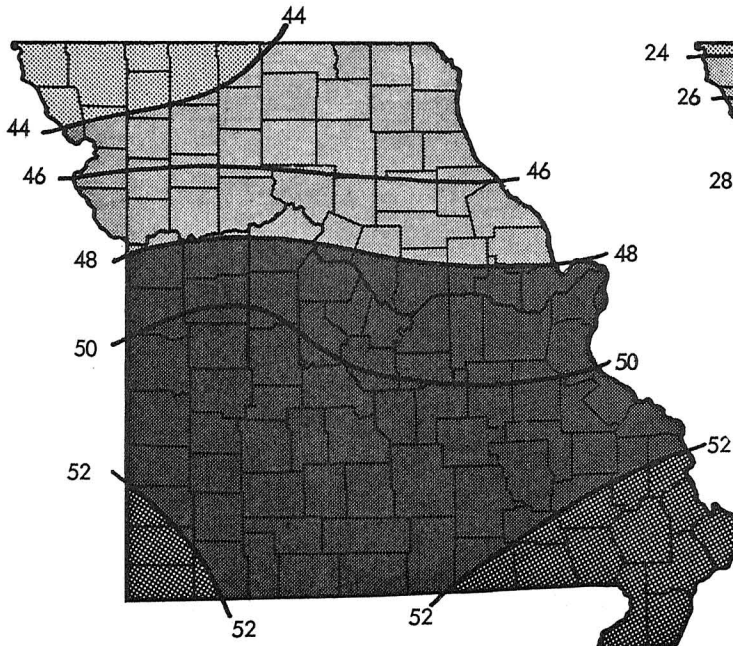
MEAN MAXIMUM TEMPERATURE



MEAN MINIMUM TEMPERATURE

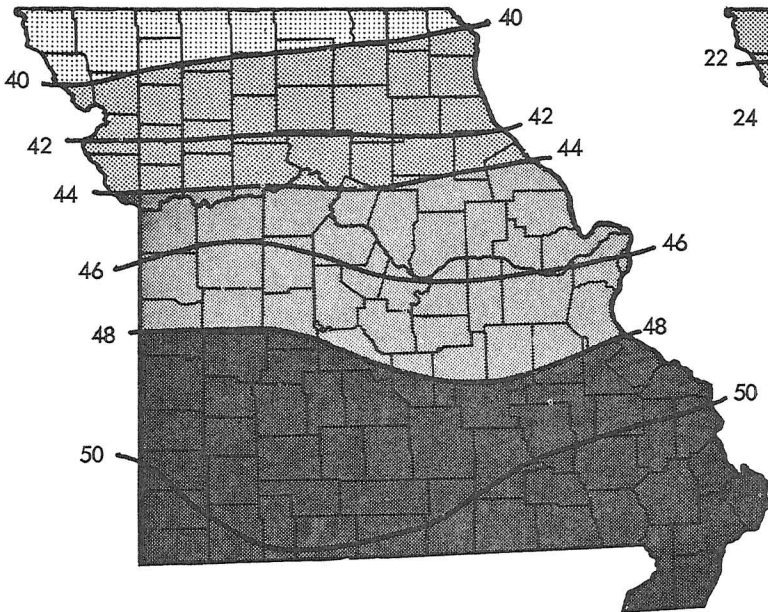


# Nov. 29 Through December 5

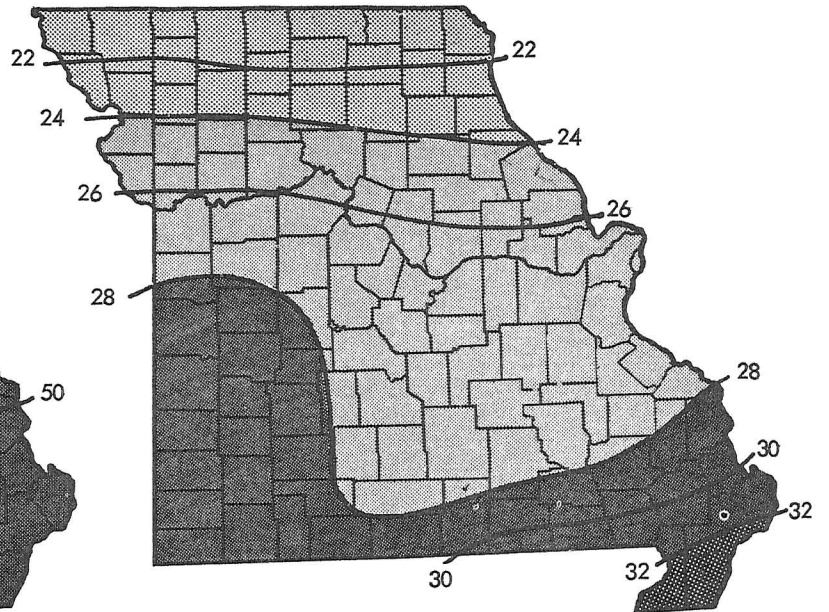


# Dec. 6 Through Dec. 12

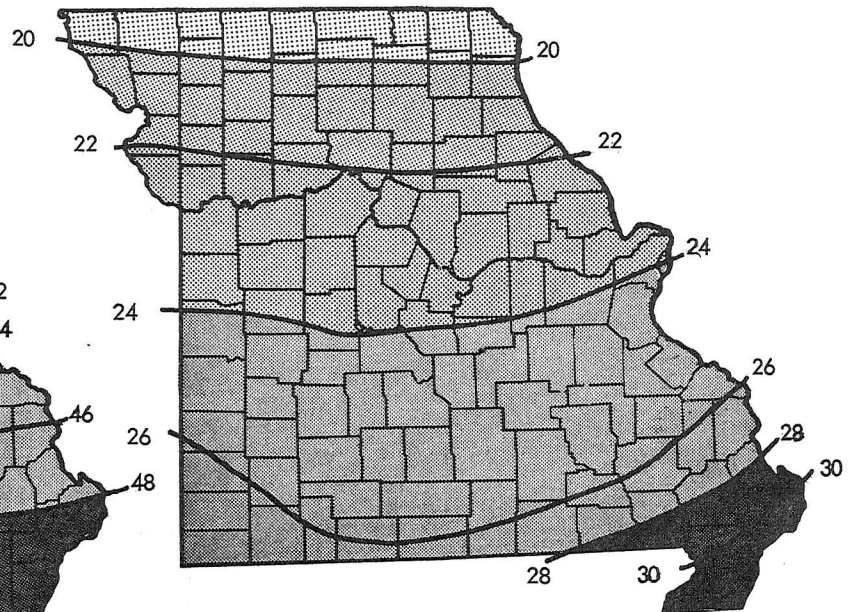
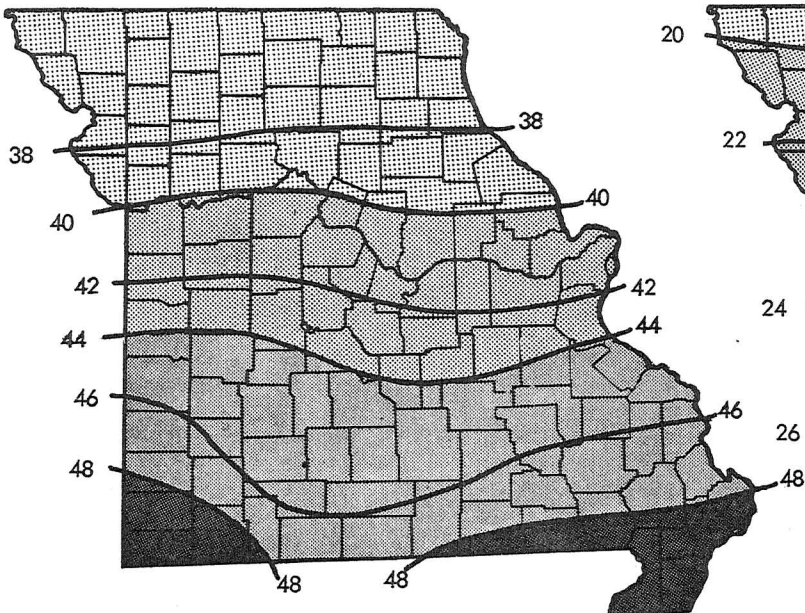
MEAN MAXIMUM TEMPERATURE



MEAN MINIMUM TEMPERATURE

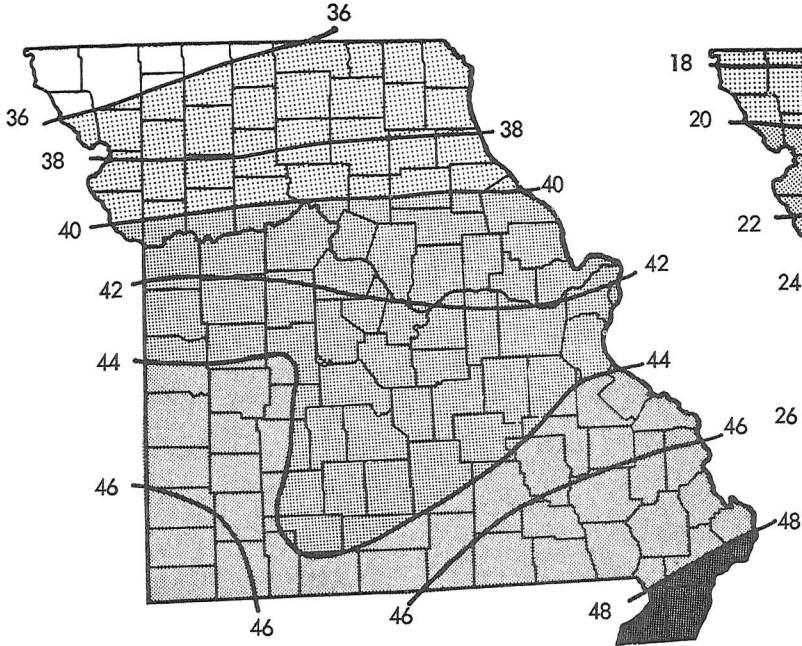


# Dec. 13 Through Dec. 19

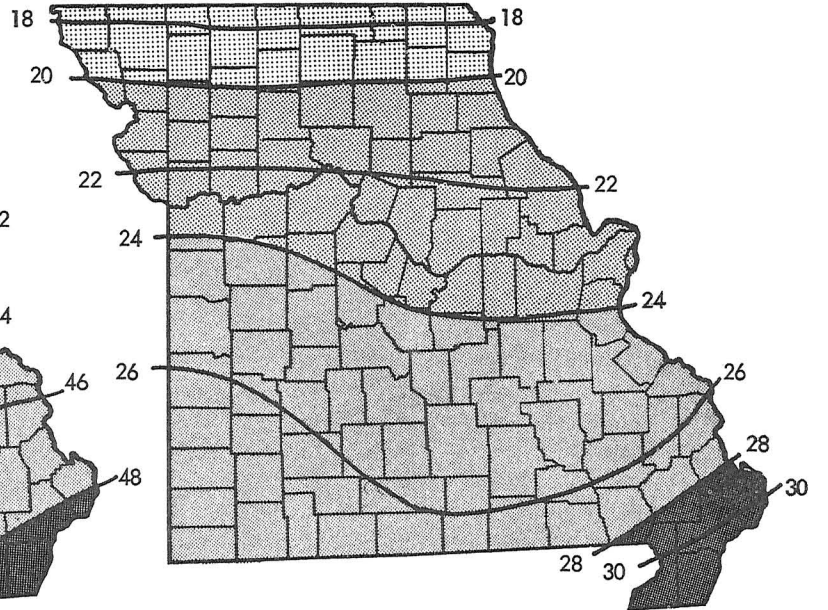


# Dec. 20 Through Dec. 26

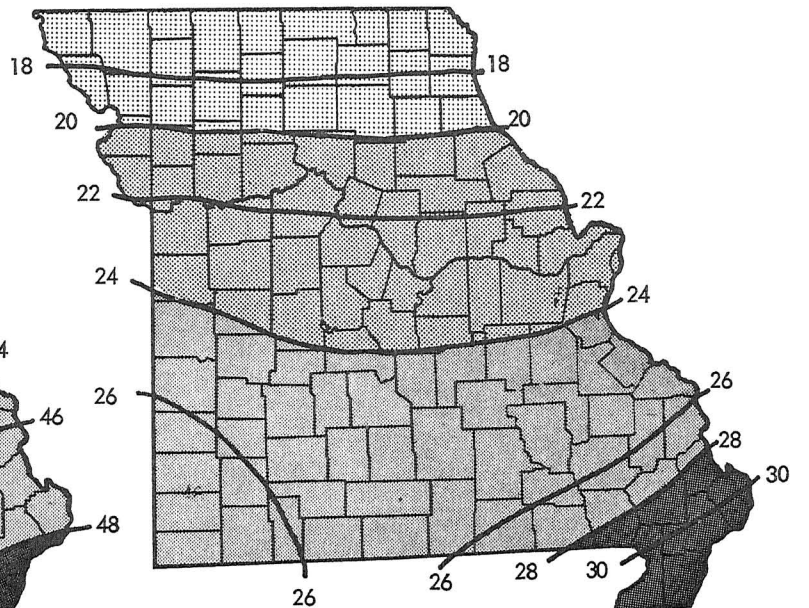
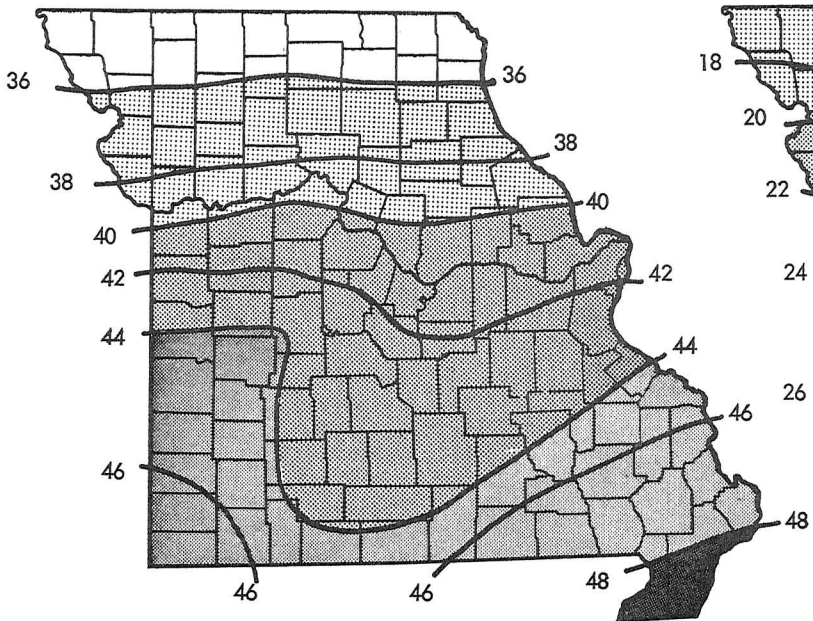
MEAN MAXIMUM TEMPERATURE



MEAN MINIMUM TEMPERATURE



# Dec. 27 Through January 2





## **Part 2**

# **MISSOURI'S**

Precipitation falls in variable quantities in all locations and seasons in Missouri. Through the years, however, there are favored geographic patterns to the occurrence of precipitation. These patterns are shown on the maps which follow by weekly intervals.

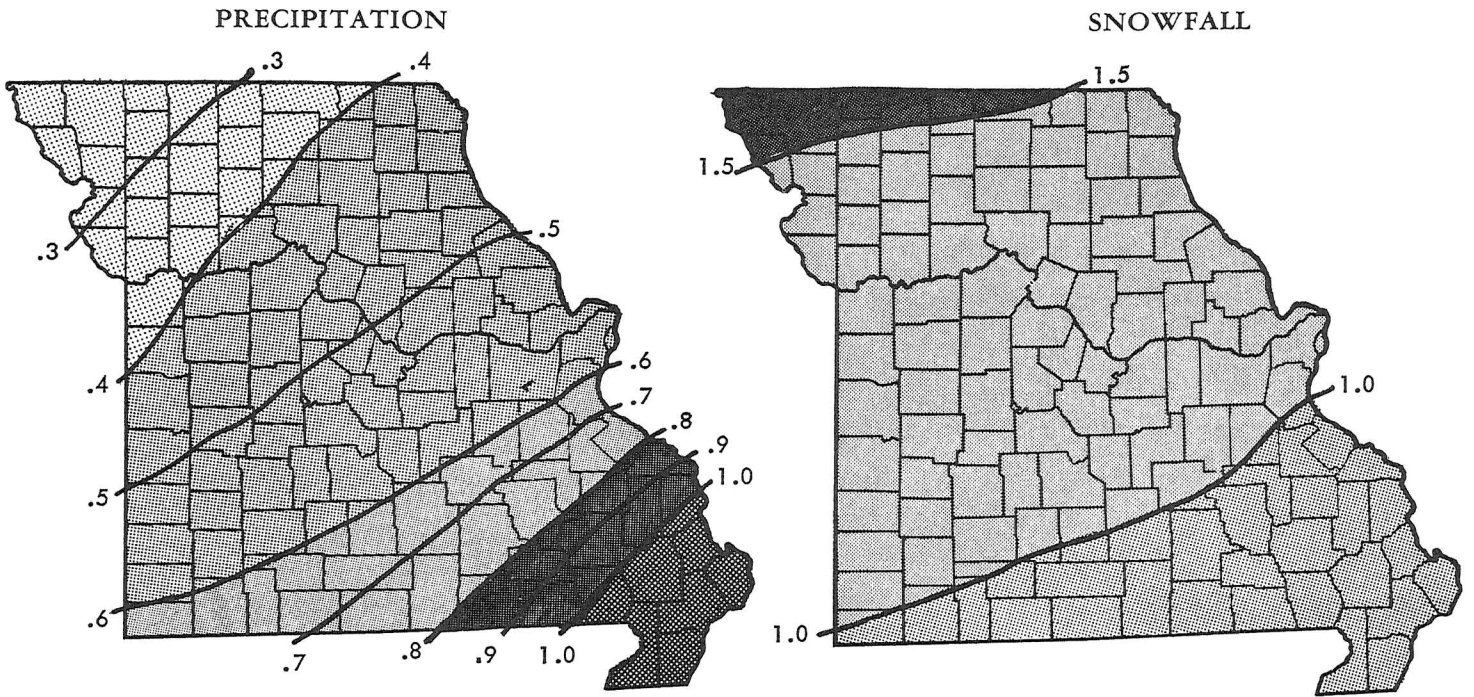
The striking feature of seasonal change in the precipitation patterns of Missouri is the shift in area of maximum precipitation. In winter, the southeastern region of the state has the highest average precipitation. The area of greatest precipitation shifts westward during the spring, and finally moves into western and northwestern Missouri by midsummer. With these maps you can determine visually how the changing precipitation patterns determine the climate of your area.

The corresponding snowfall maps are shown for the cool season of the year. It is apparent that the depth of snowfall is related to the distribution of temperature over the state. By this token, the depth is greatest in northern Missouri where cool temperature prevails.

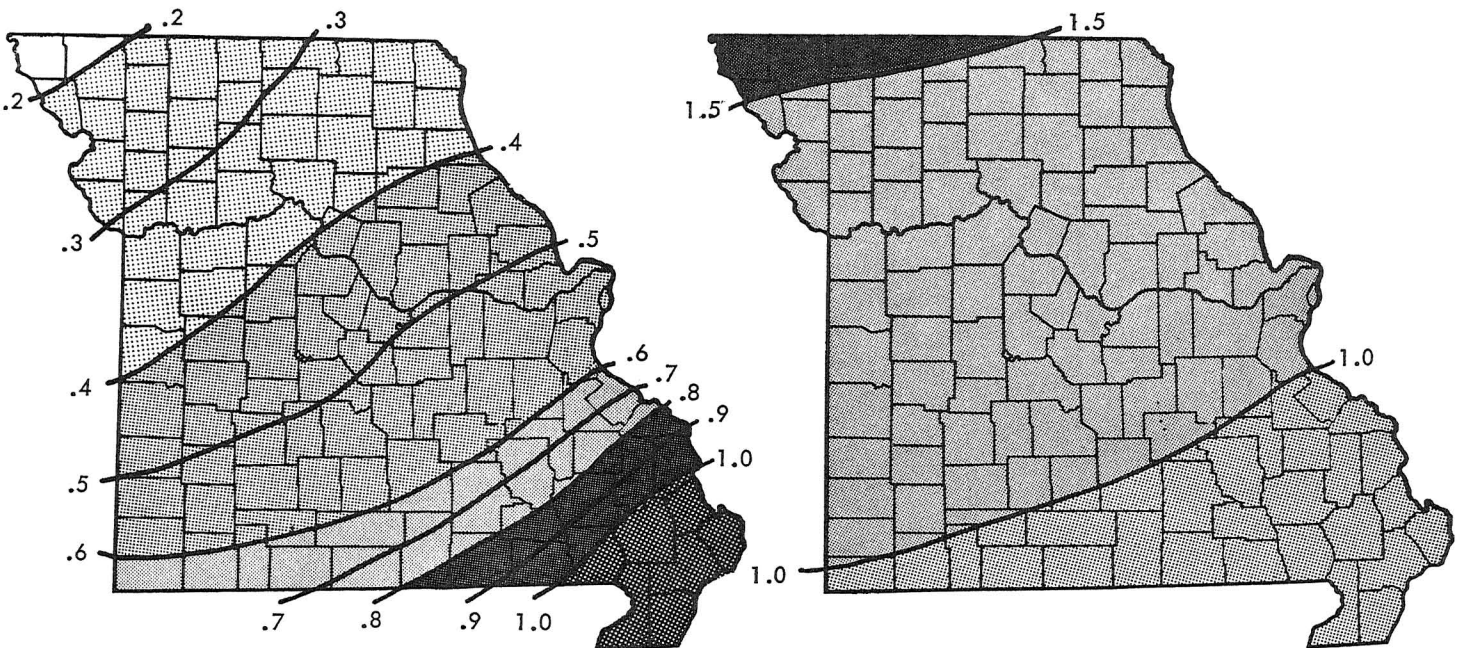
# ***PRECIPITATION***

# ***PATTERNS***

# January 3 Through January 9

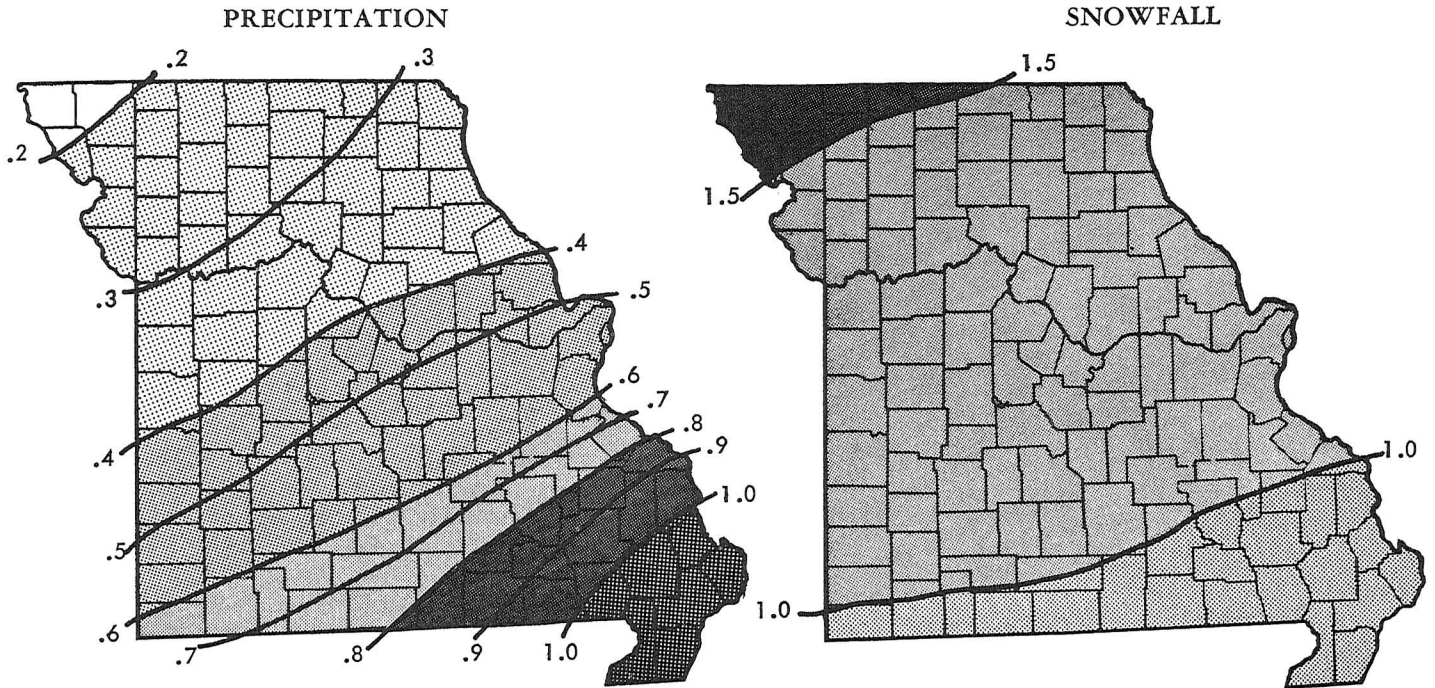


# January 10 Through January 16

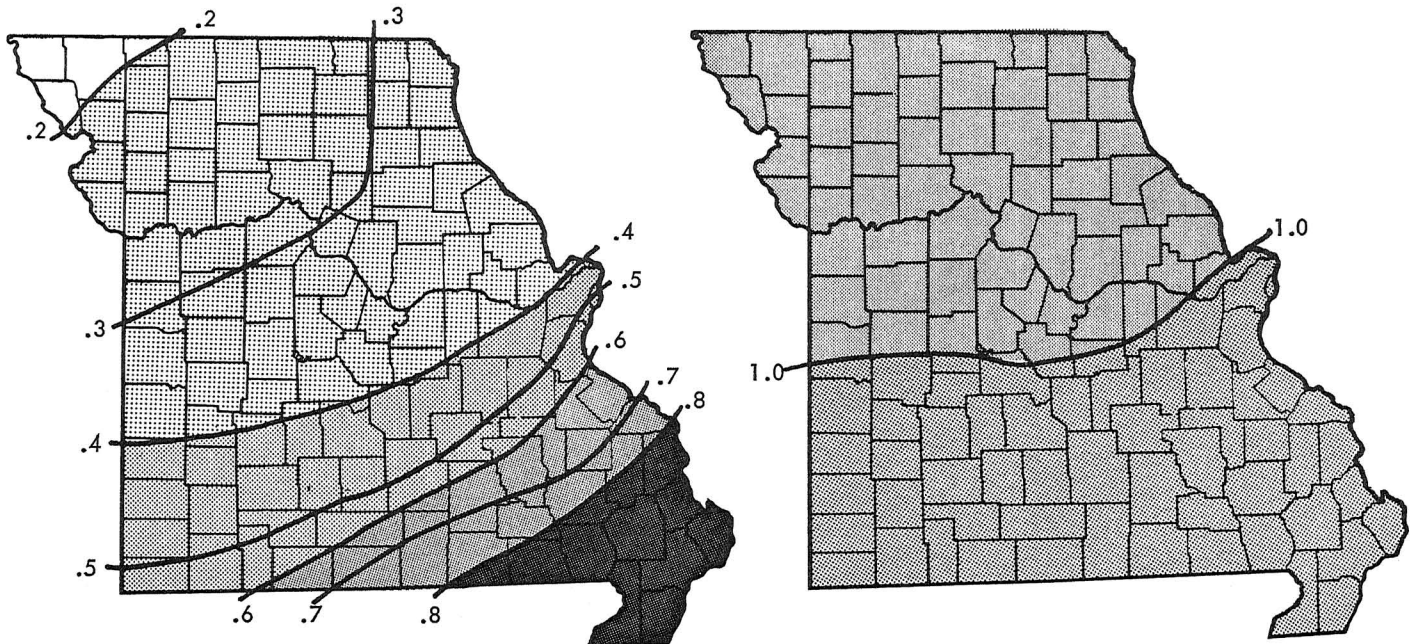




# January 17 Through January 23

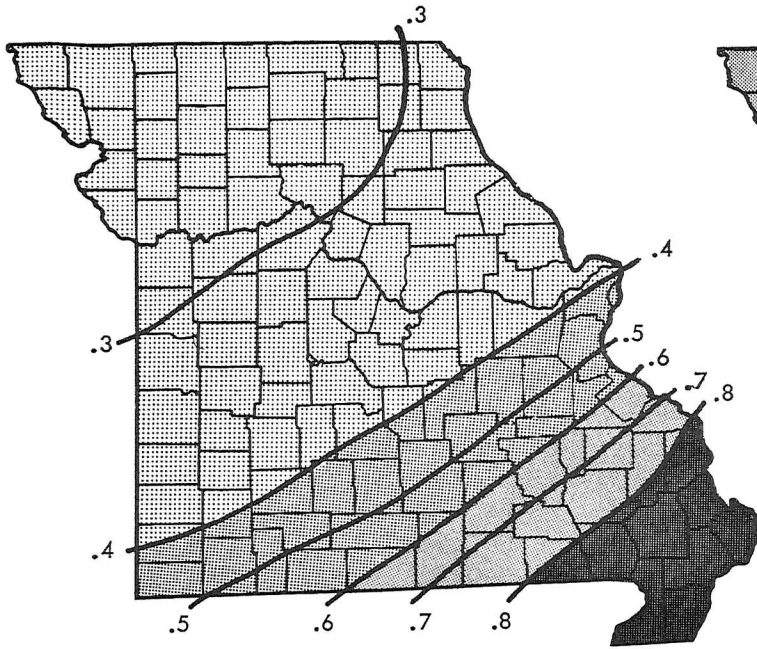


# January 24 Through January 30

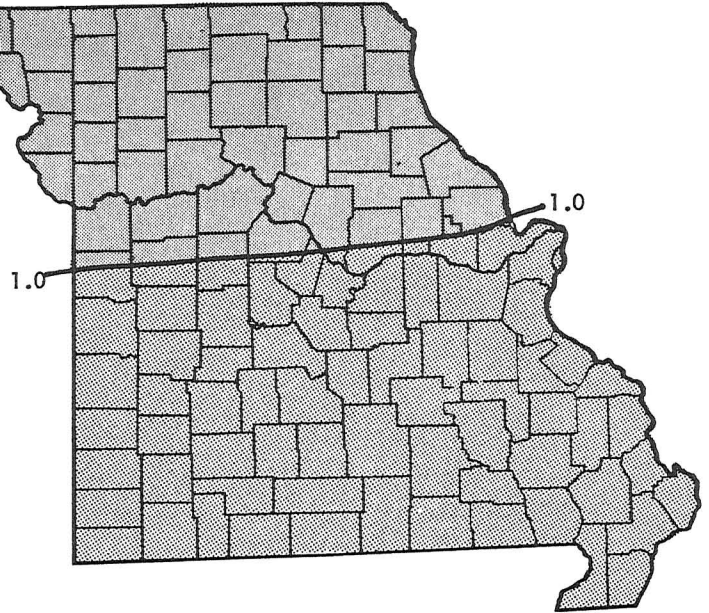


# January 31 Through February 6

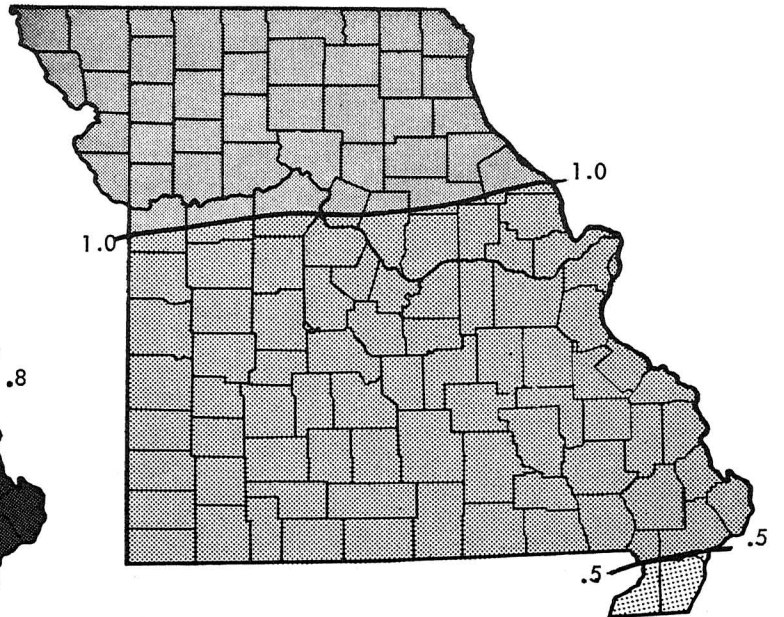
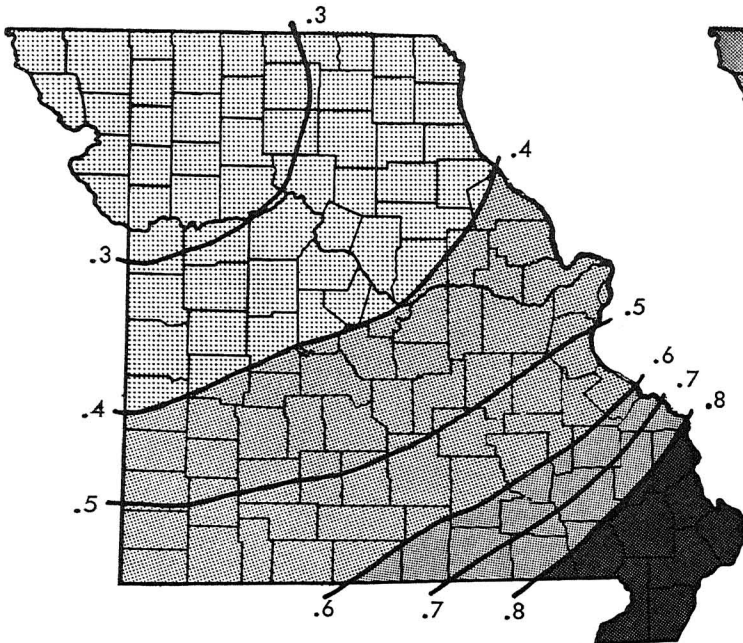
PRECIPITATION



SNOWFALL

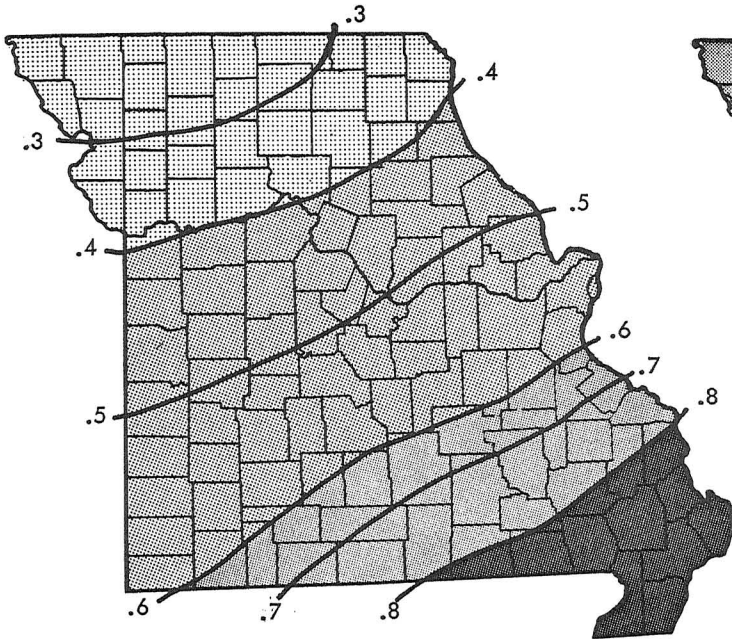


# February 7 Through February 13

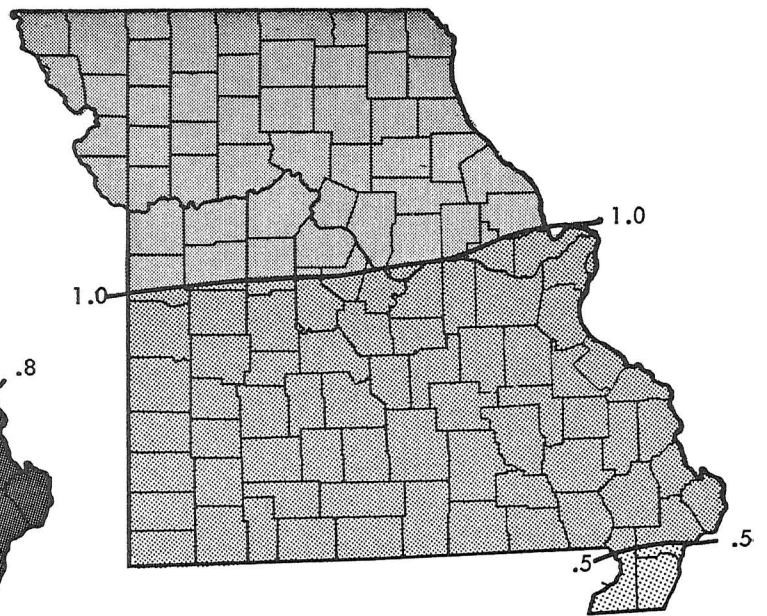


# February 14 Through February 20

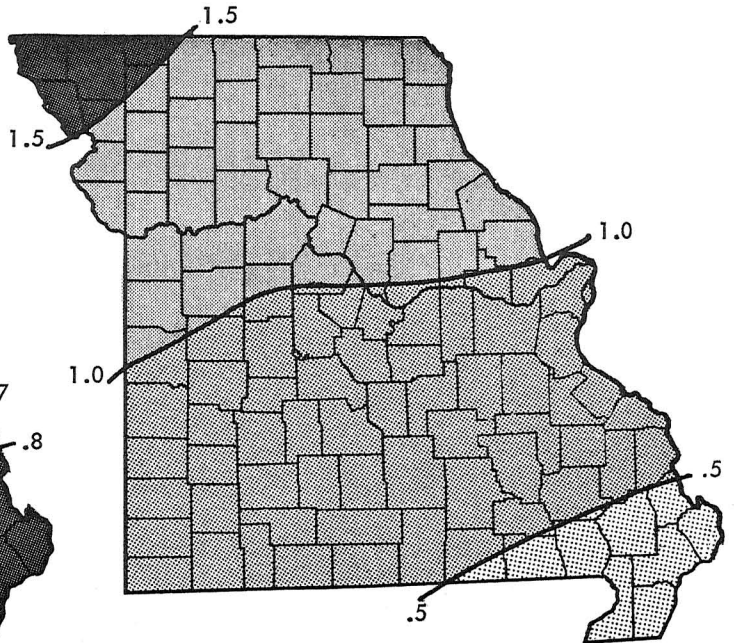
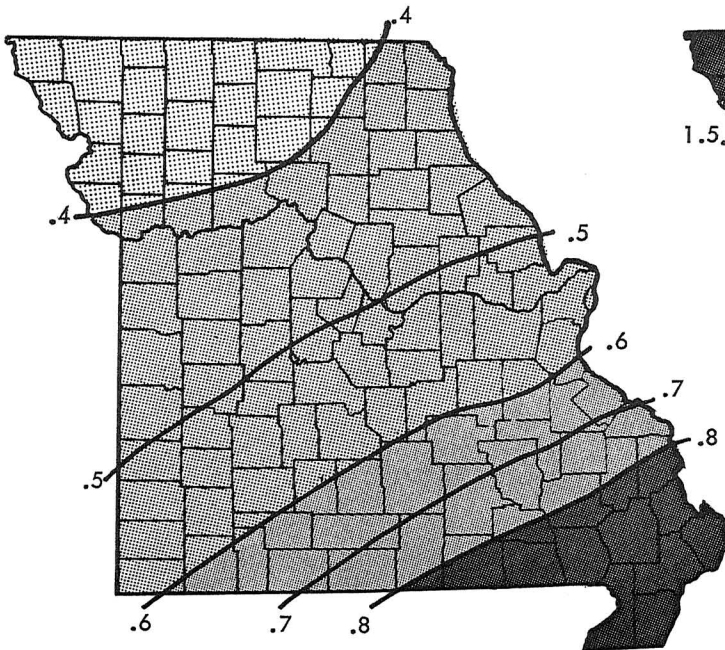
PRECIPITATION



SNOWFALL

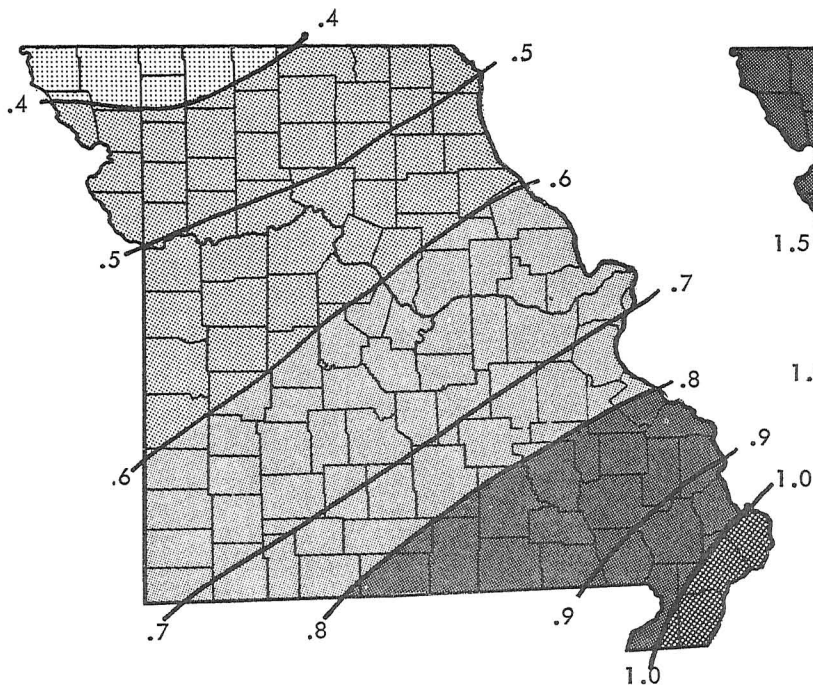


# February 21 Through February 27

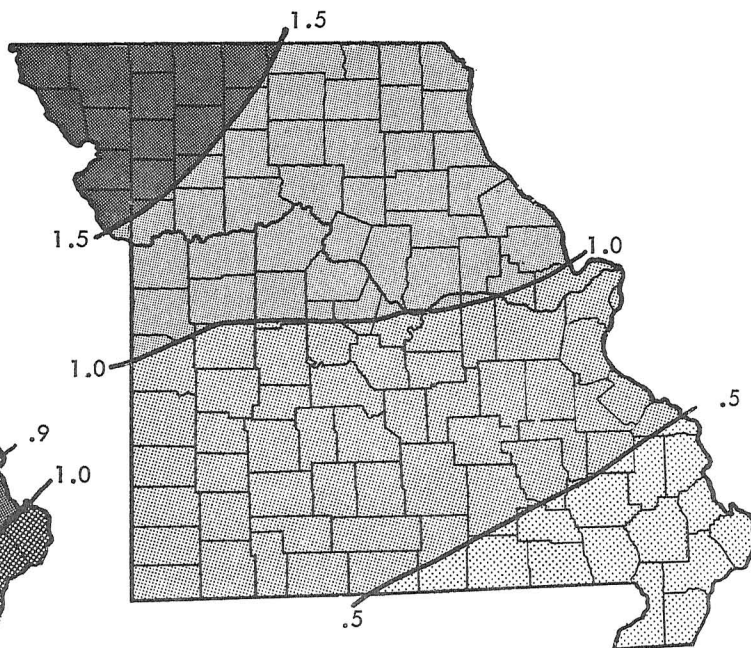


# March 1 Through March 7

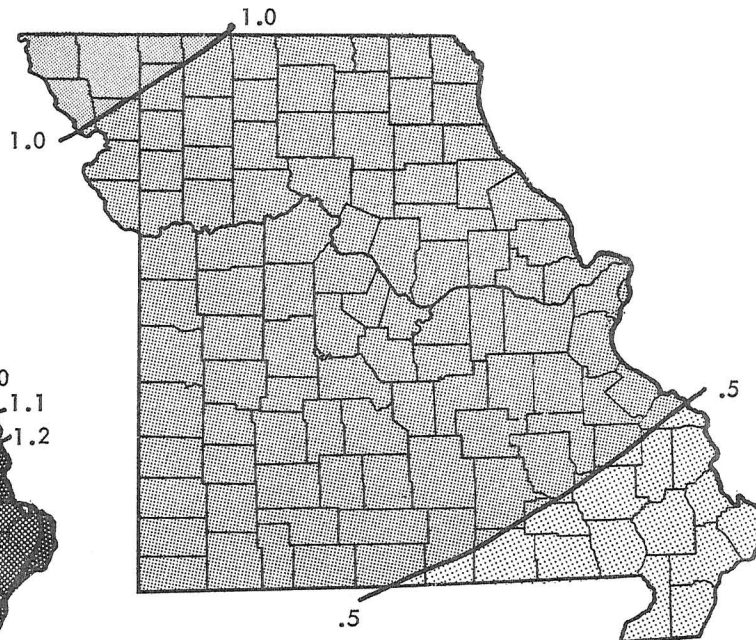
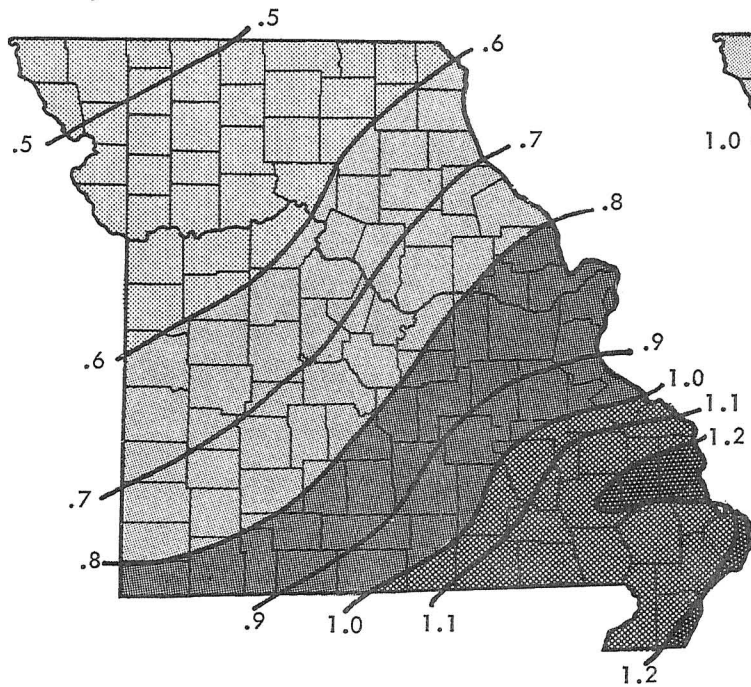
## PRECIPITATION



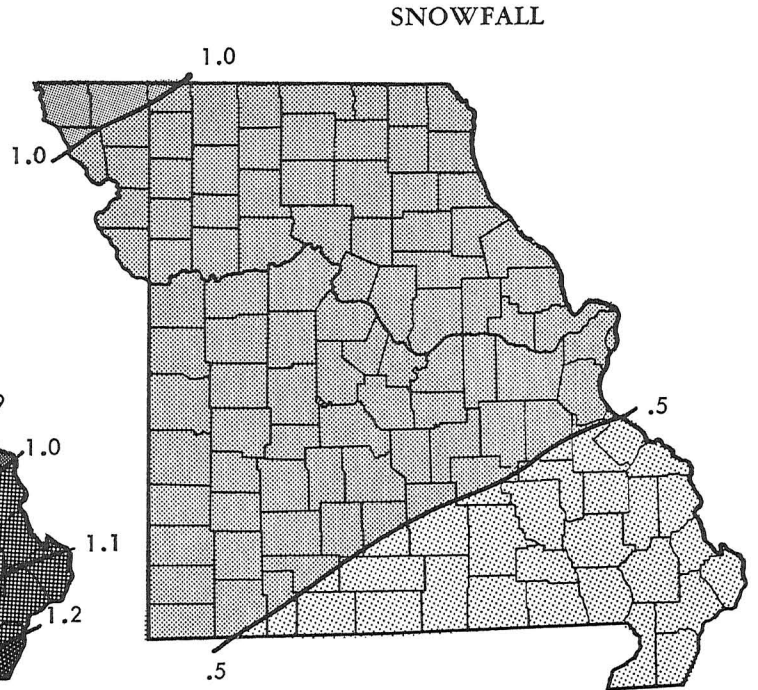
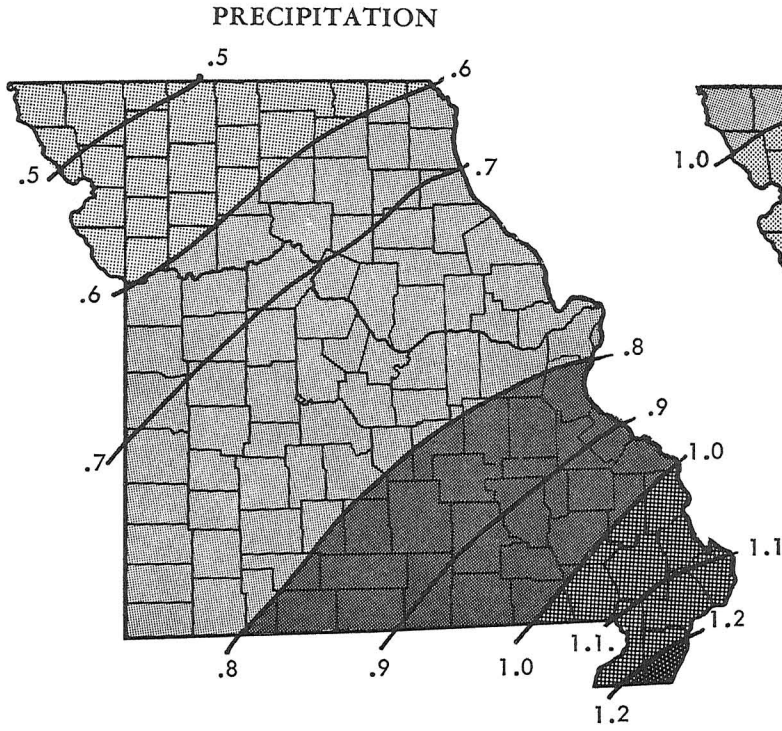
## SNOWFALL



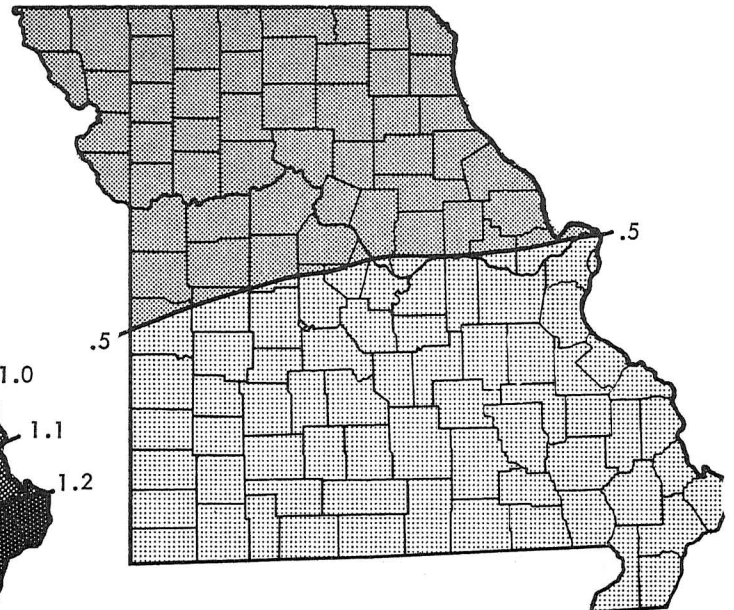
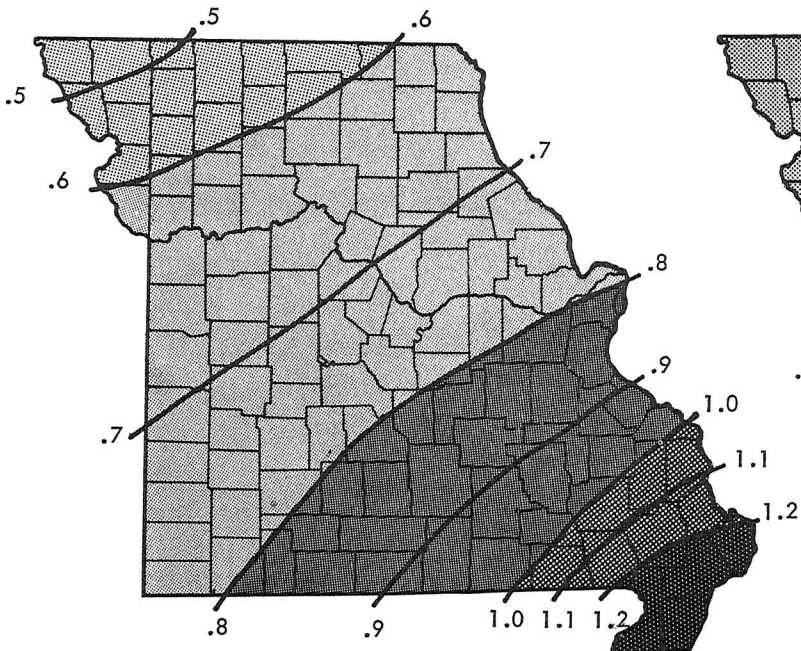
# March 8 Through March 14



# March 15 Through March 21

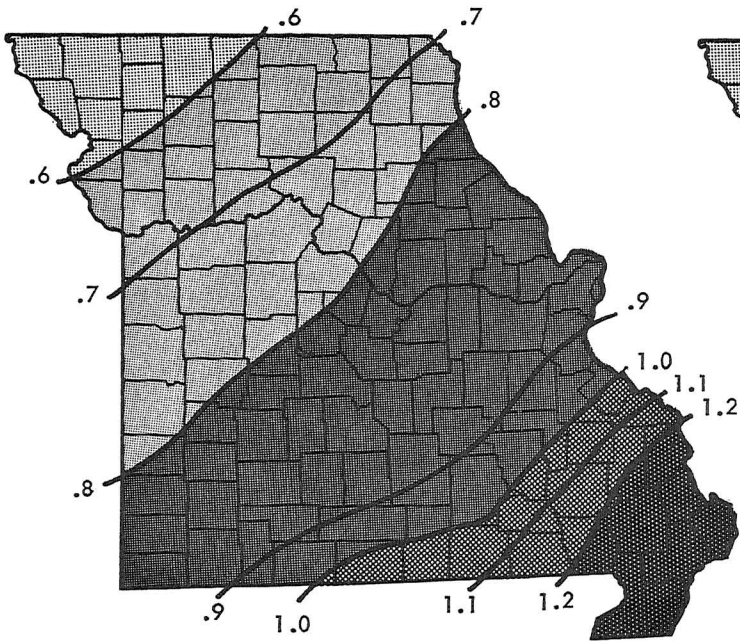


# March 22 Through March 28

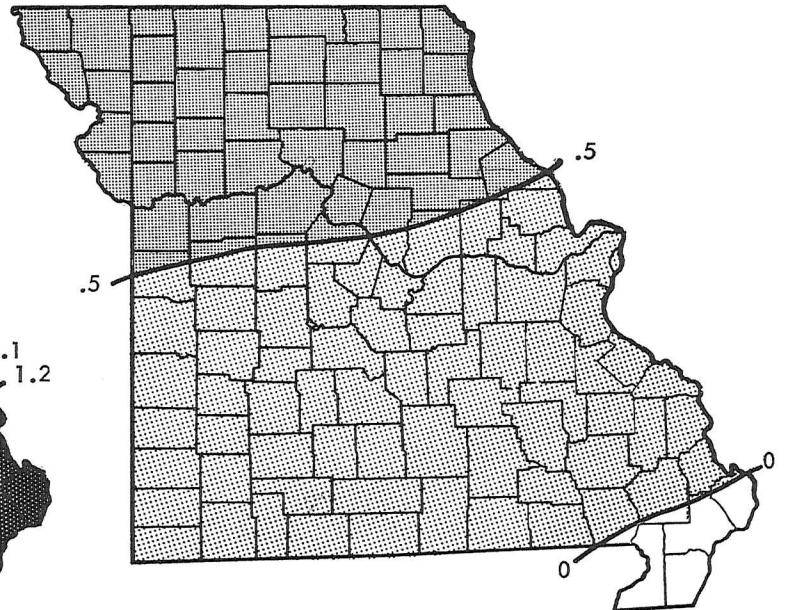


# March 29 Through April 4

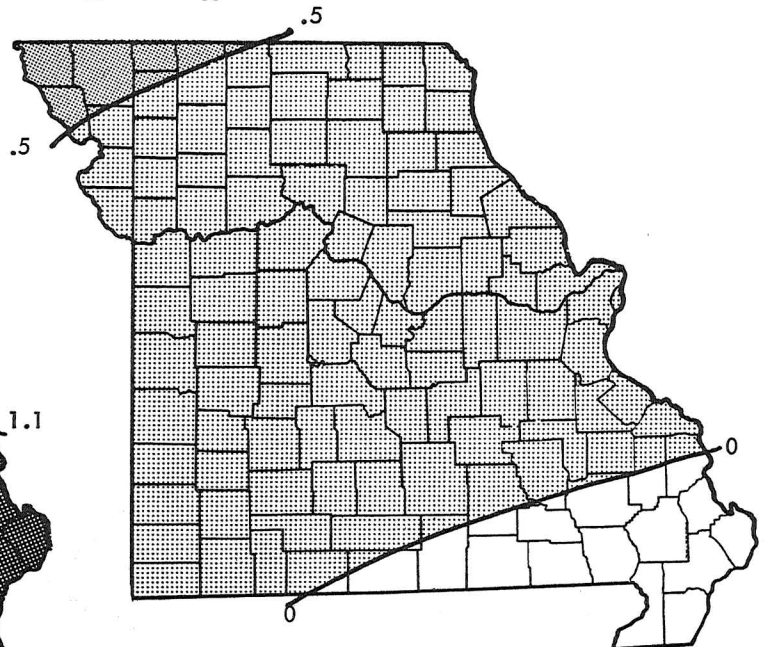
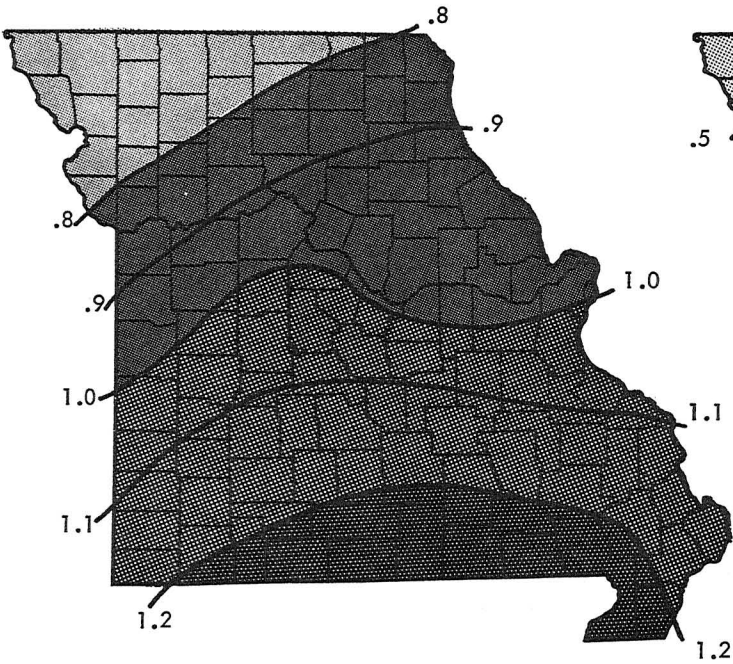
PRECIPITATION



SNOWFALL

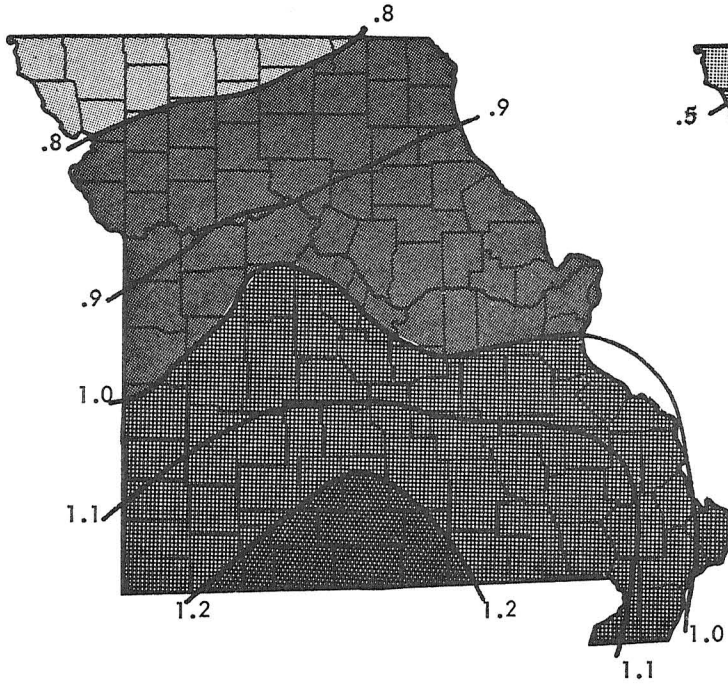


# April 5 Through April 11

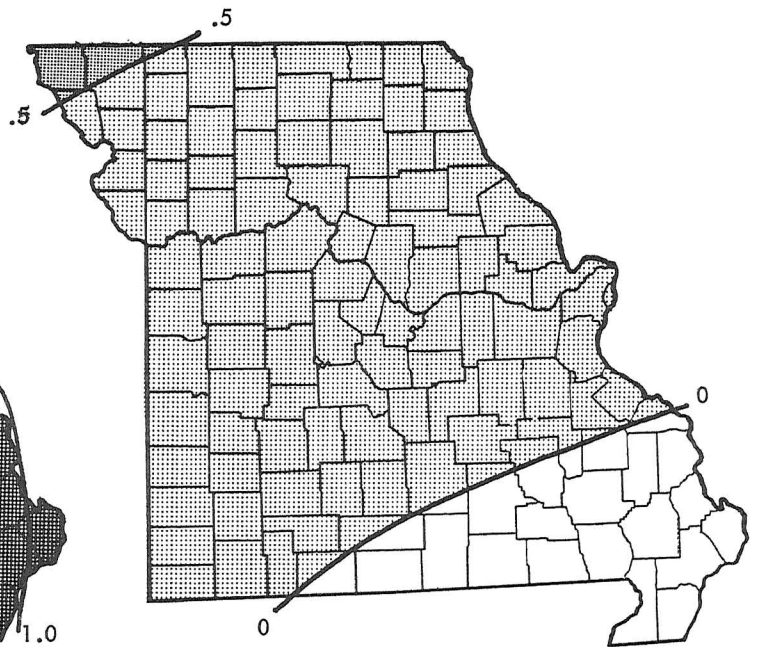


# April 12 Through April 18

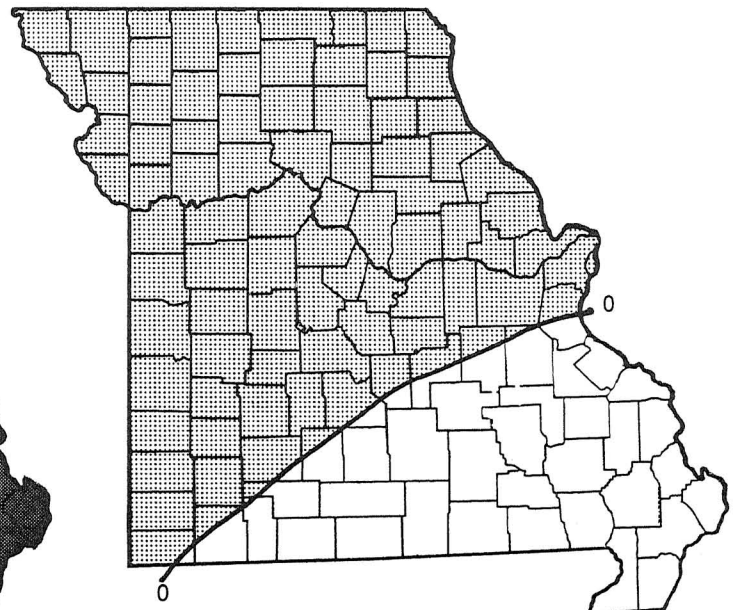
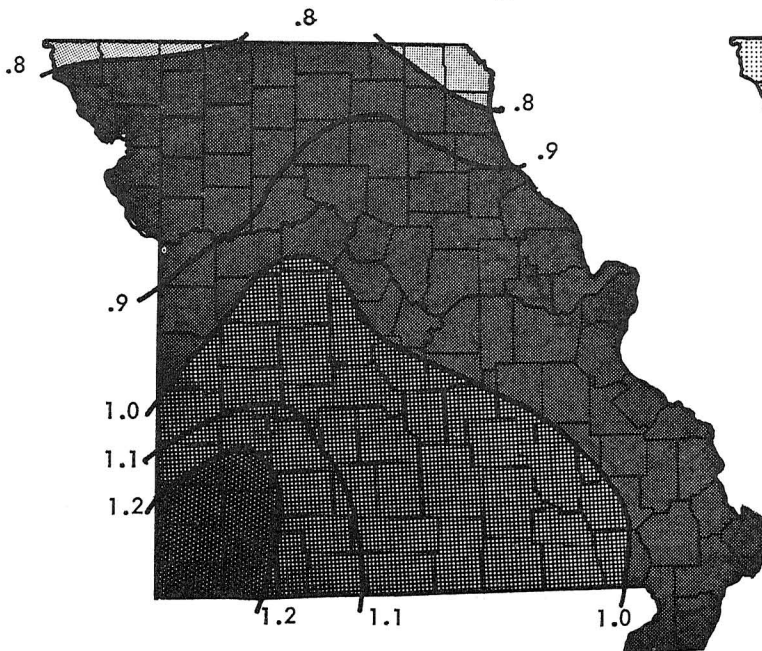
PRECIPITATION



SNOWFALL

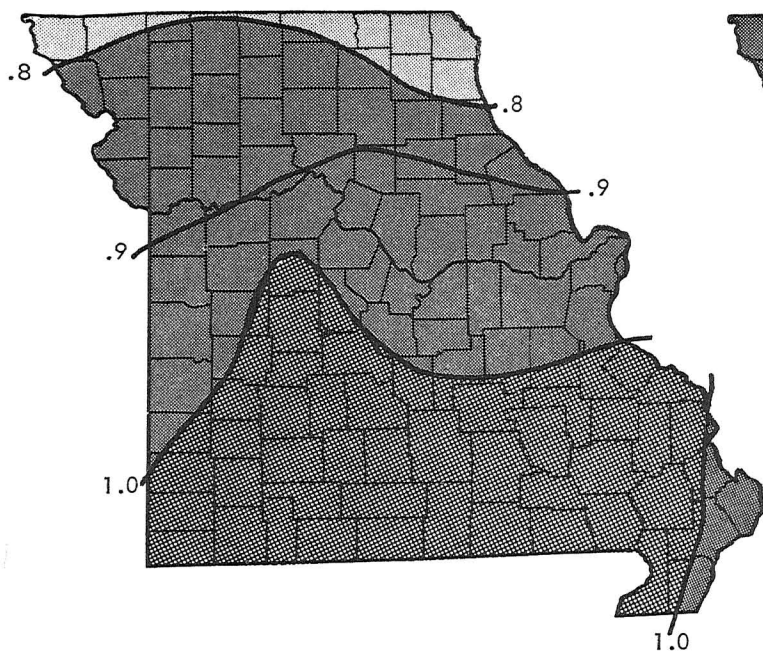


# April 19 Through April 25



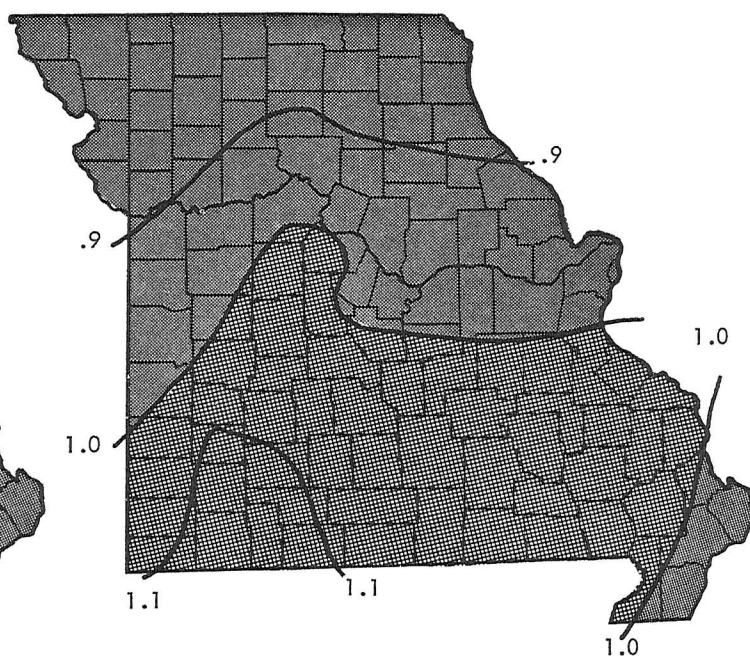
# April 26 Through May 2

PRECIPITATION

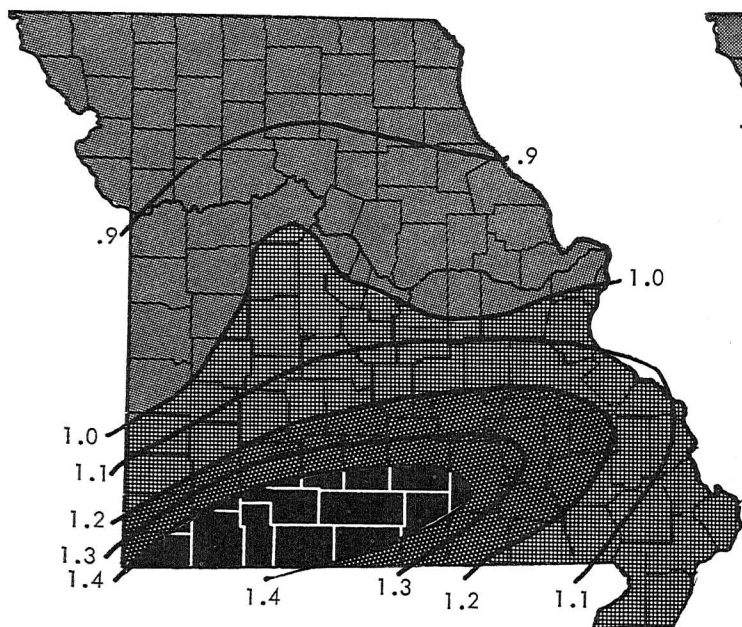


# May 3 Through May 9

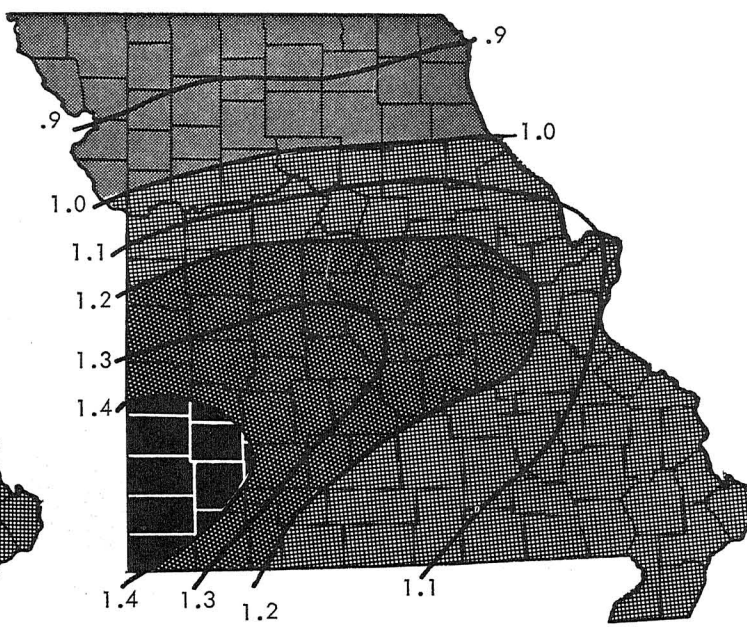
PRECIPITATION



# May 10 Through May 16



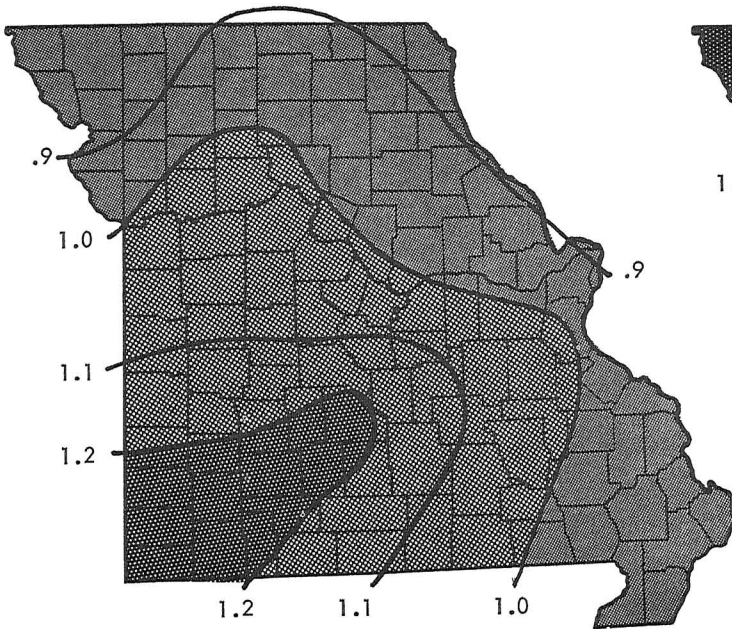
# May 17 Through May 23





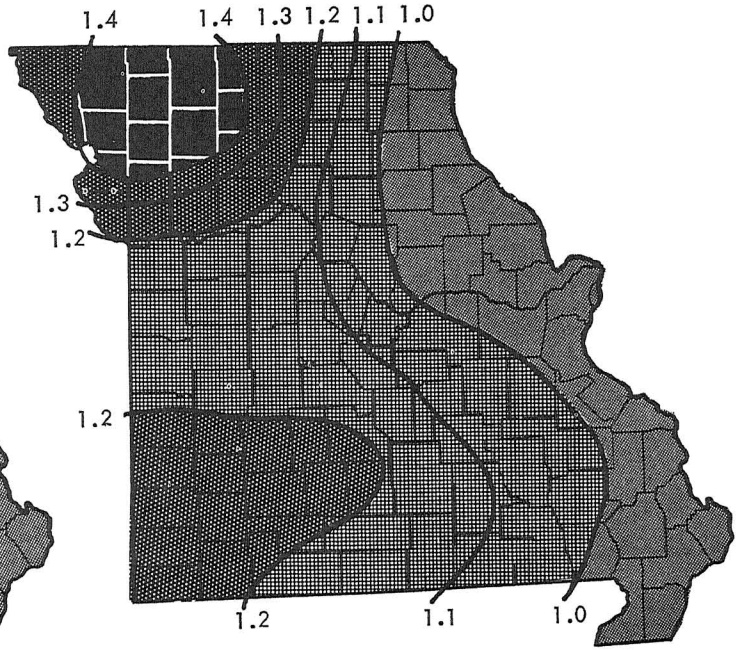
# May 24 Through May 30

PRECIPITATION

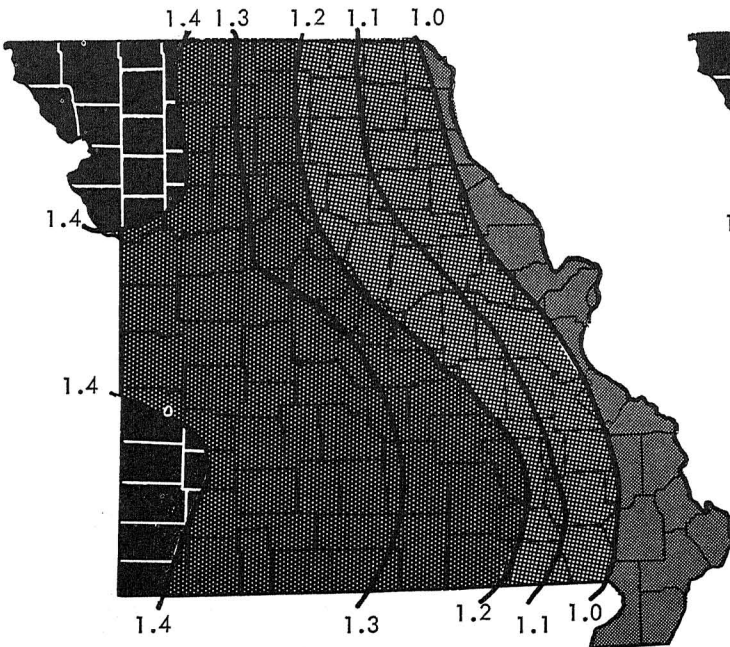


# May 31 Through June 6

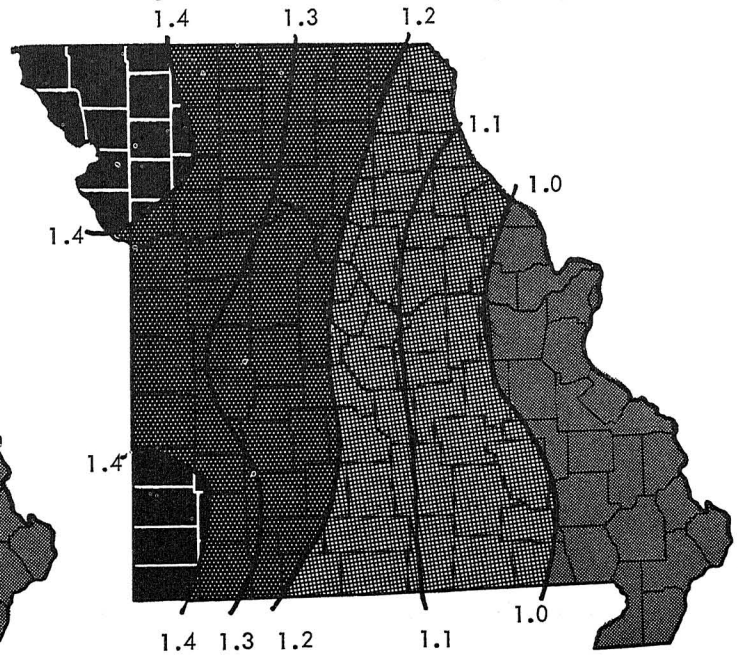
PRECIPITATION



# June 7 Through June 13

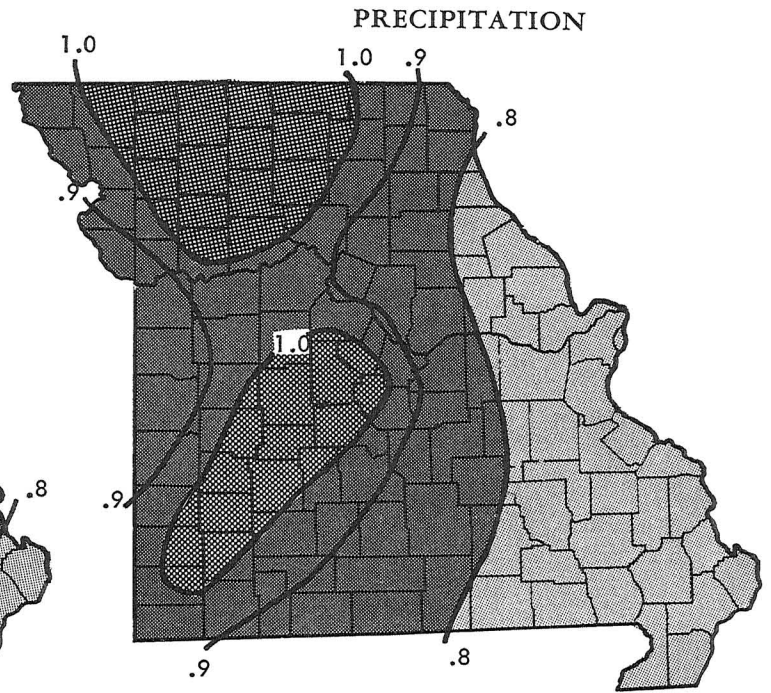
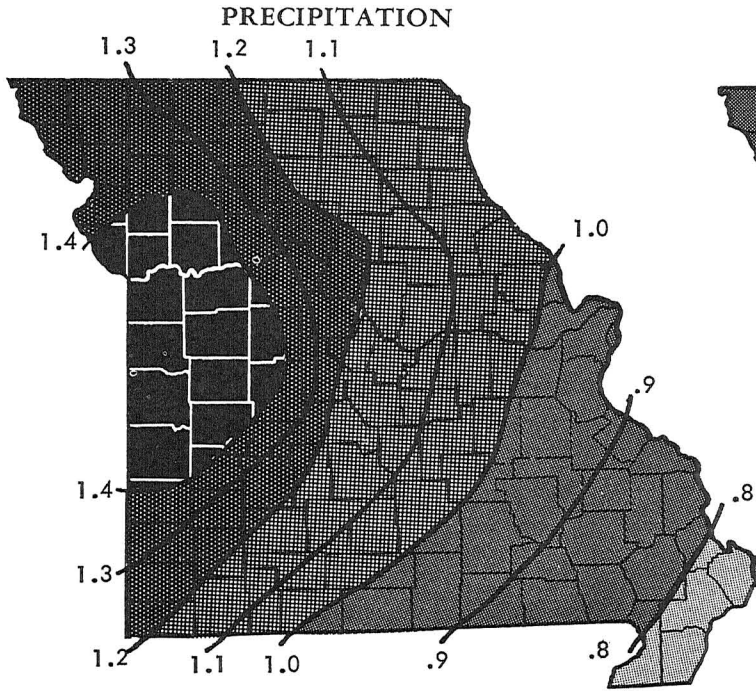


# June 14 Through June 20

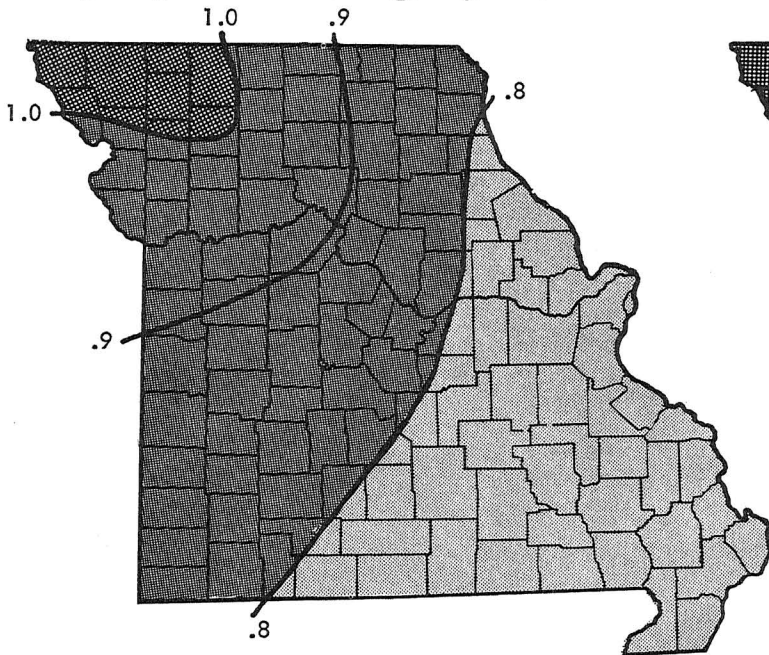


# June 21 Through June 27

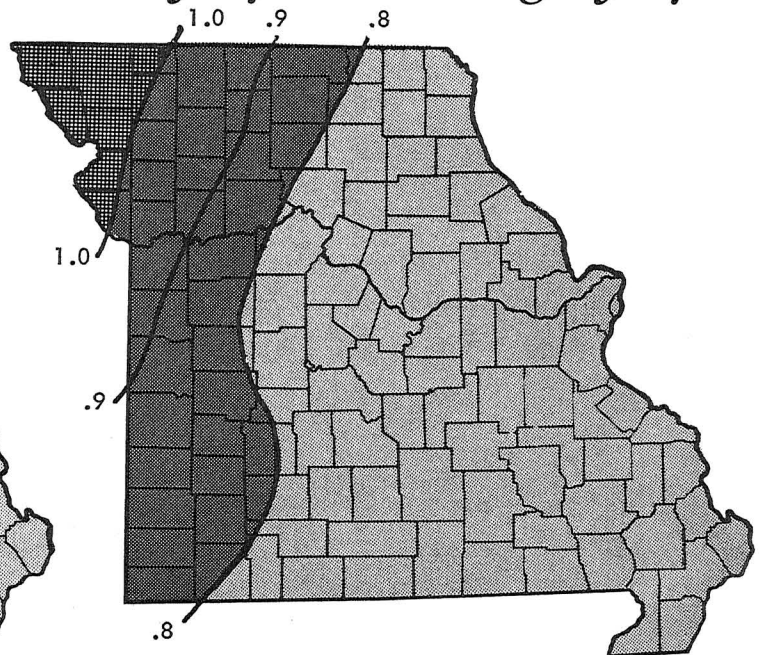
# June 28 Through July 4



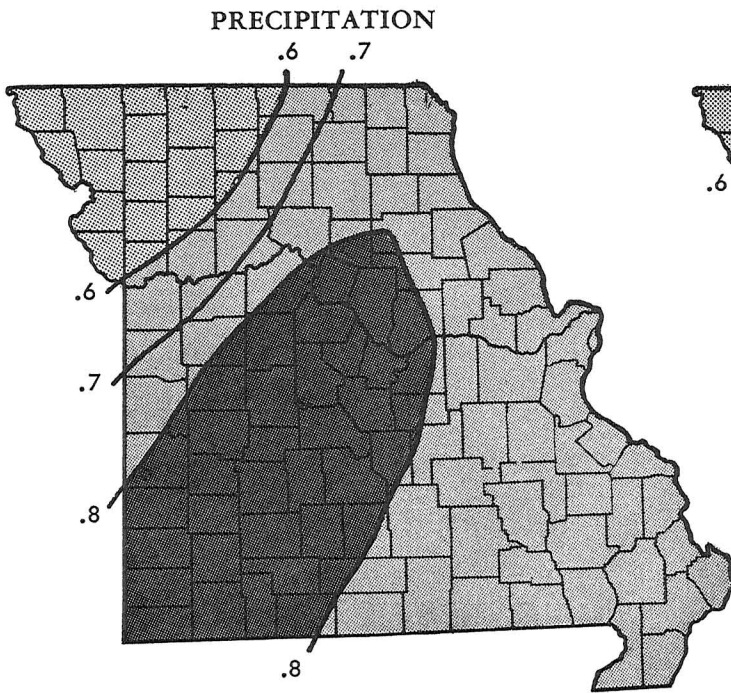
# July 5 Through July 11



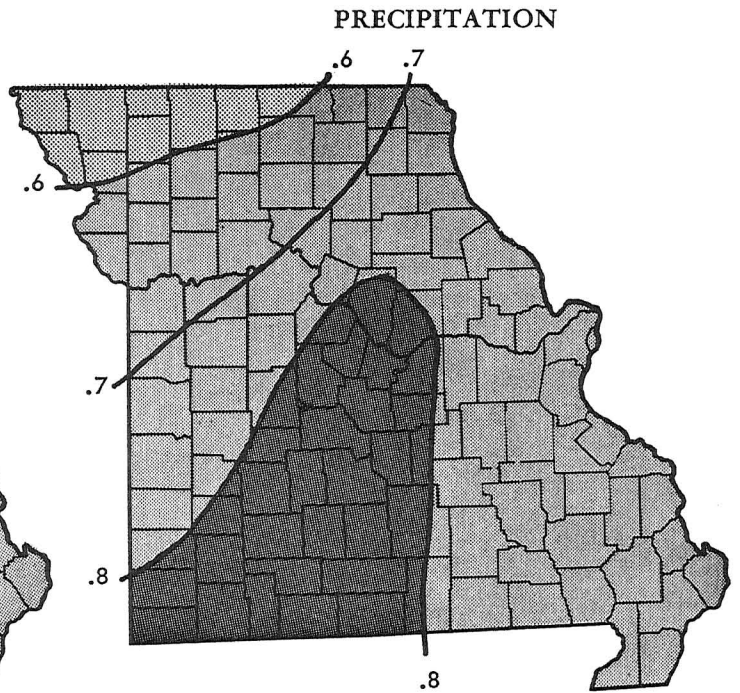
# July 12 Through July 18



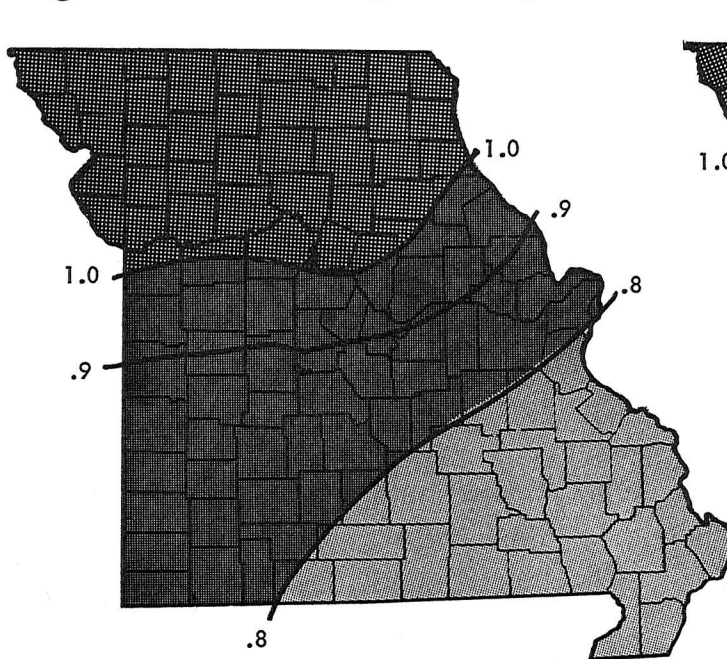
# July 19 Through July 25



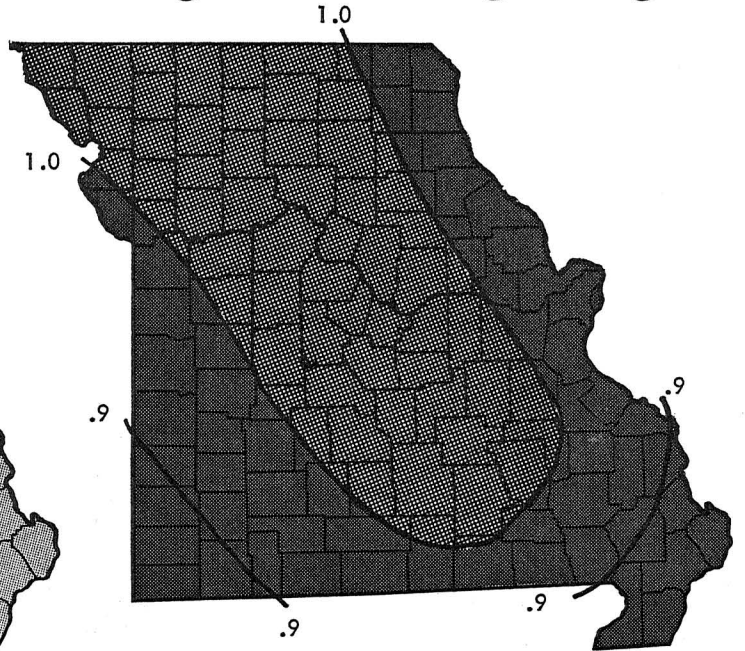
# July 26 Through August 1



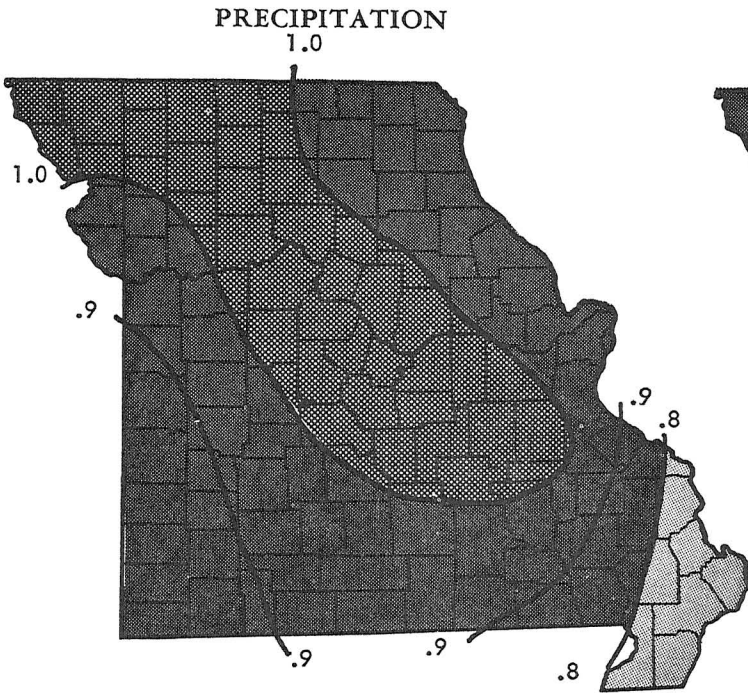
# August 2 Through August 8



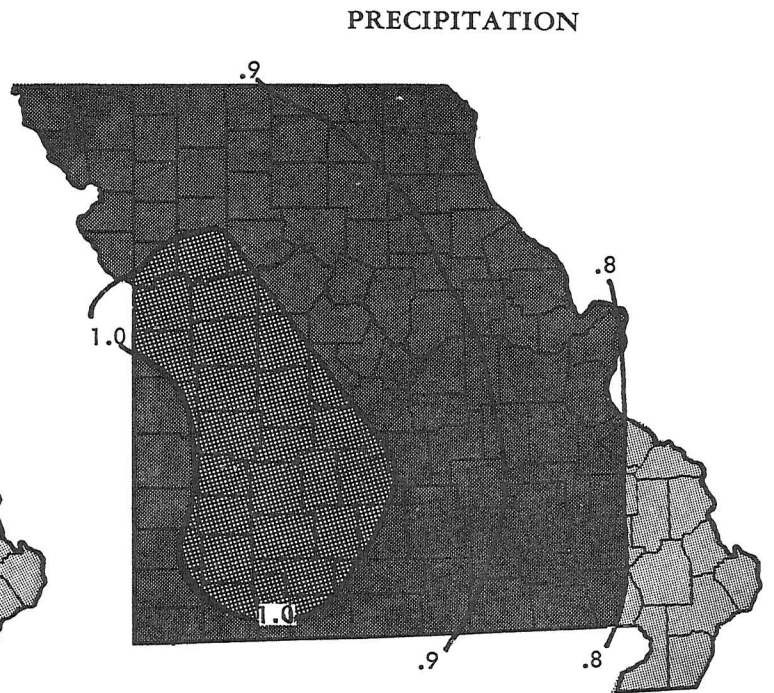
# August 9 Through August 15



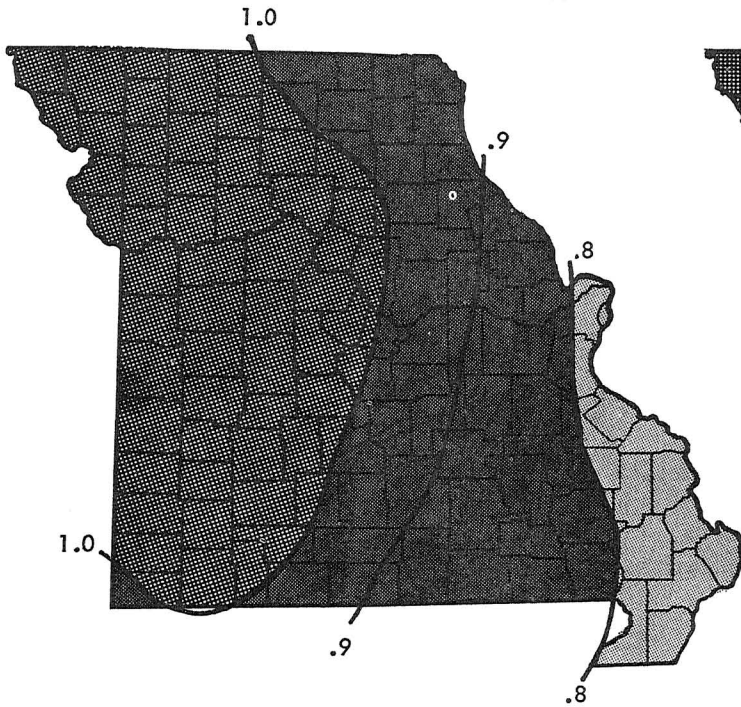
August 16 Through August 22



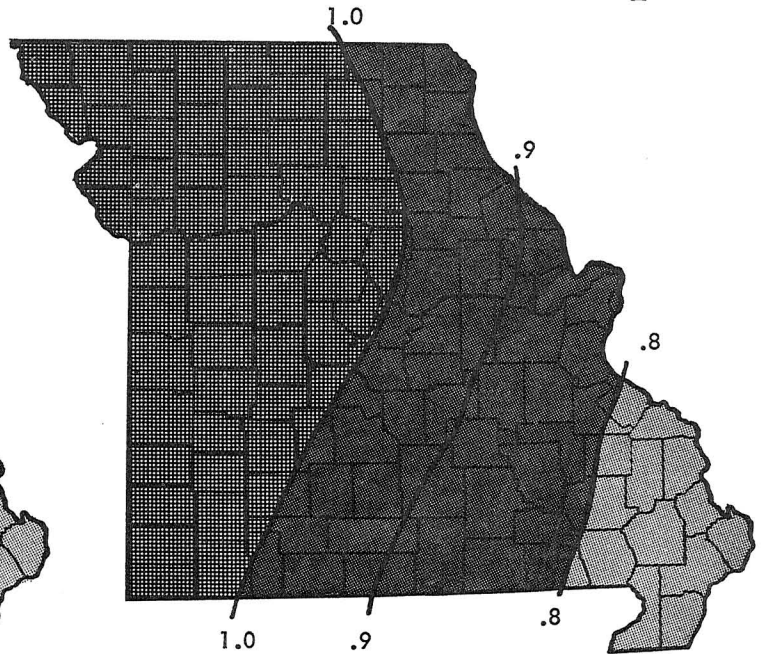
August 23 Through August 29



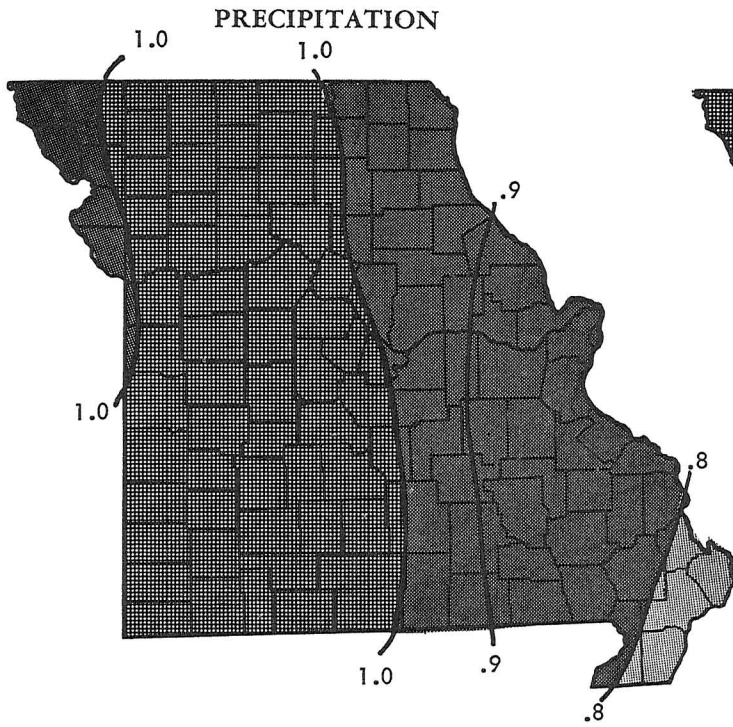
August 30 Through Sept. 5



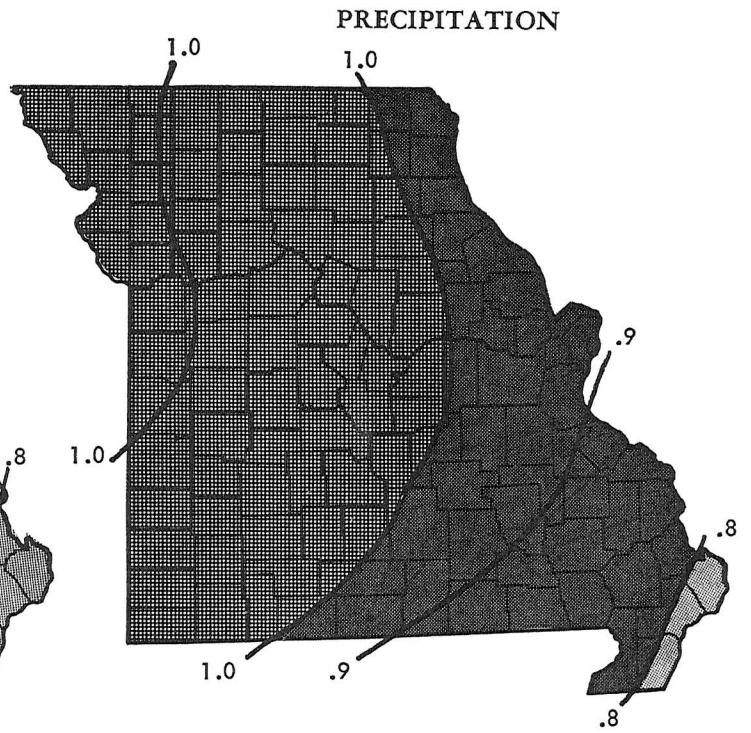
Sept. 6 Through Sept. 12



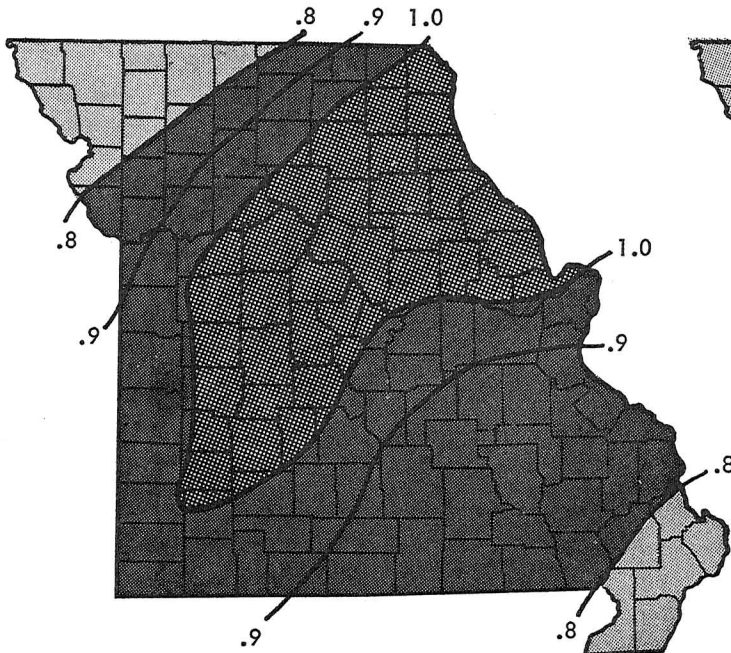
Sept. 13 Through Sept. 19



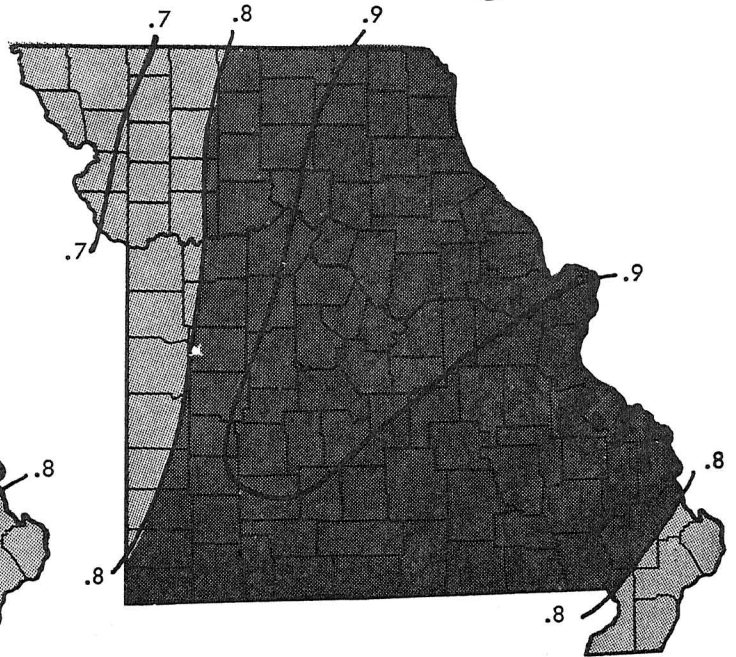
Sept. 20 Through Sept. 26



Sept. 27 Through October 3



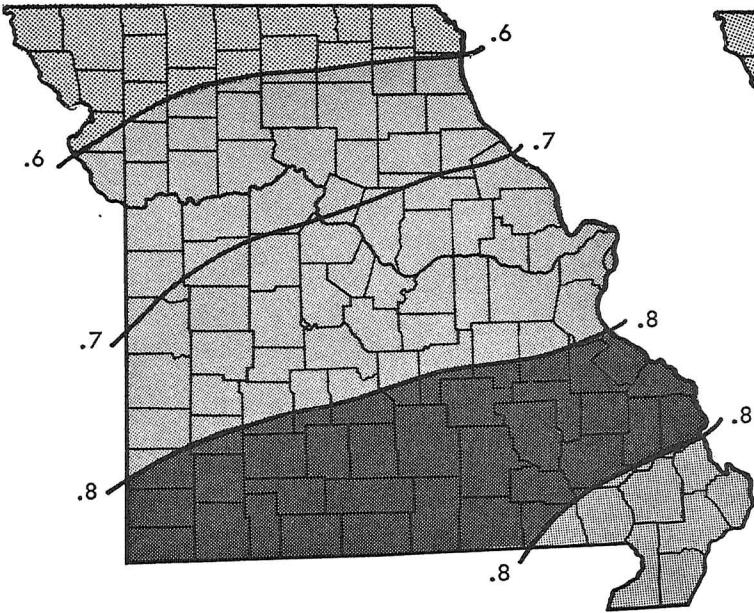
October 4 Through October 10



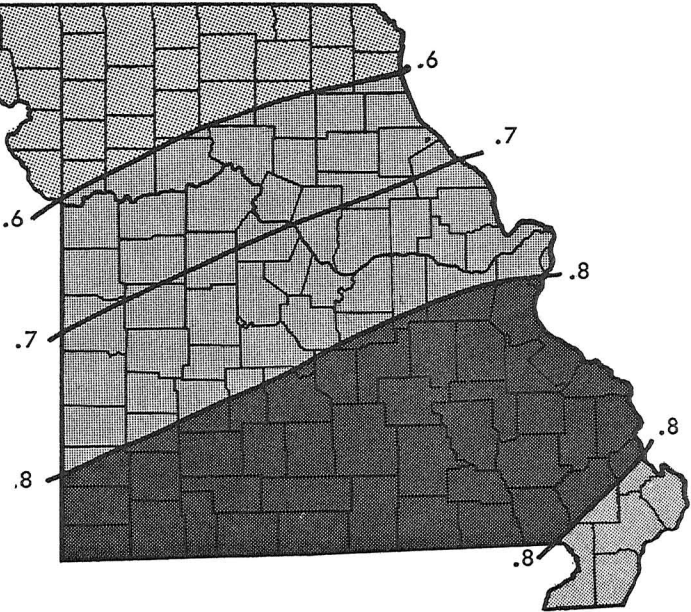
October 11 Through October 17

October 18 Through October 24

PRECIPITATION

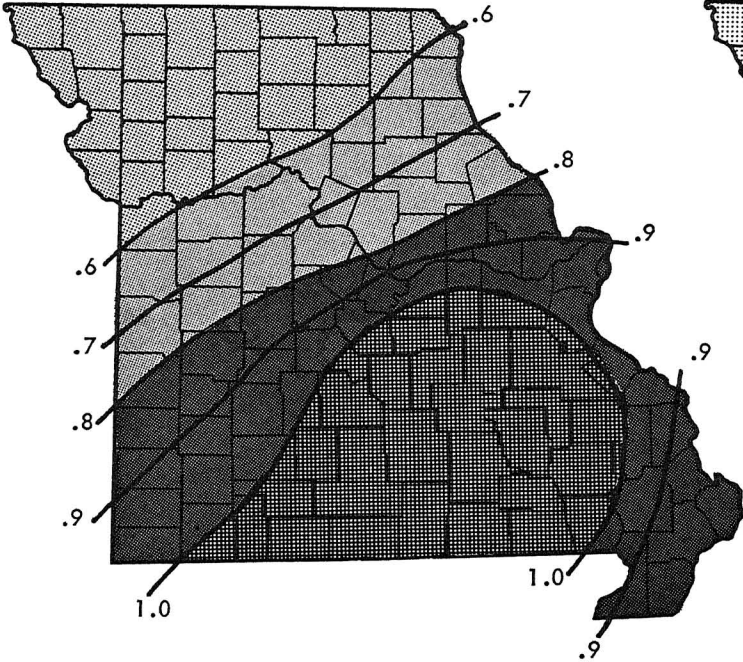


PRECIPITATION

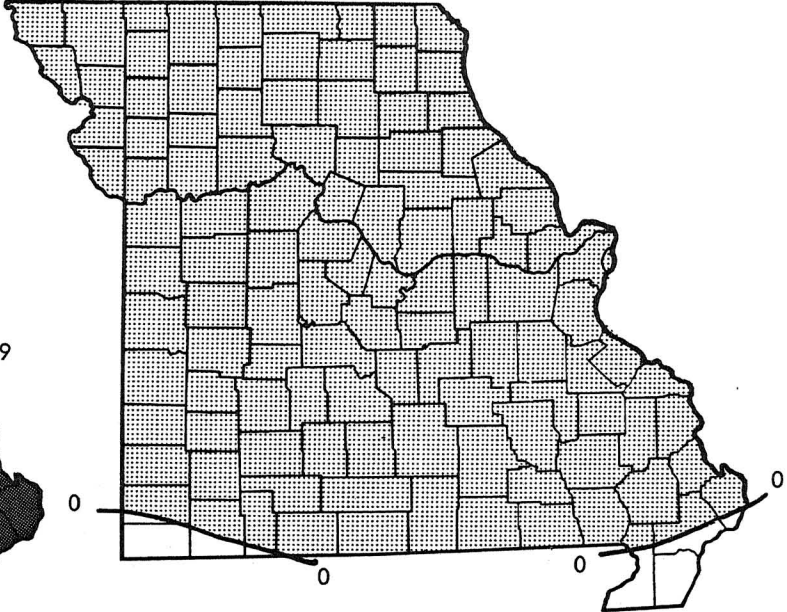


October 25 Through October 31

PRECIPITATION

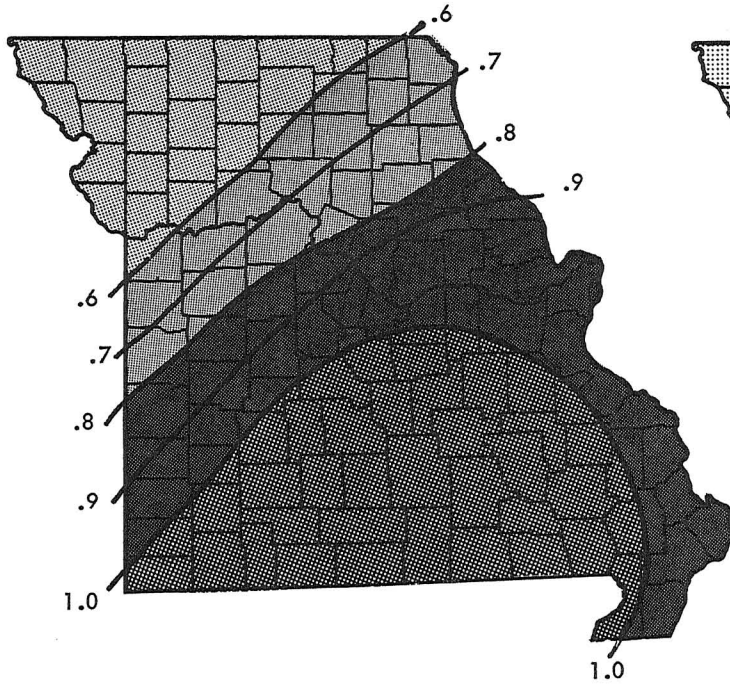


SNOWFALL

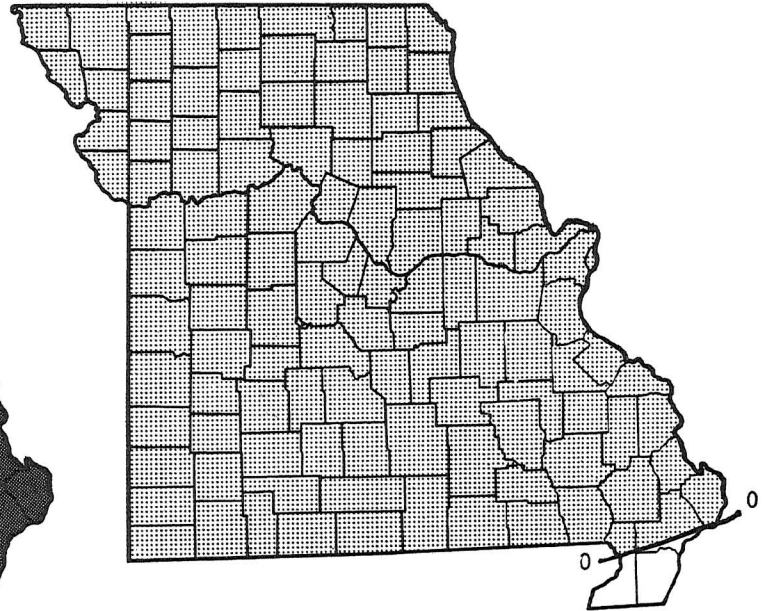


# Nov. 1 Through Nov. 7

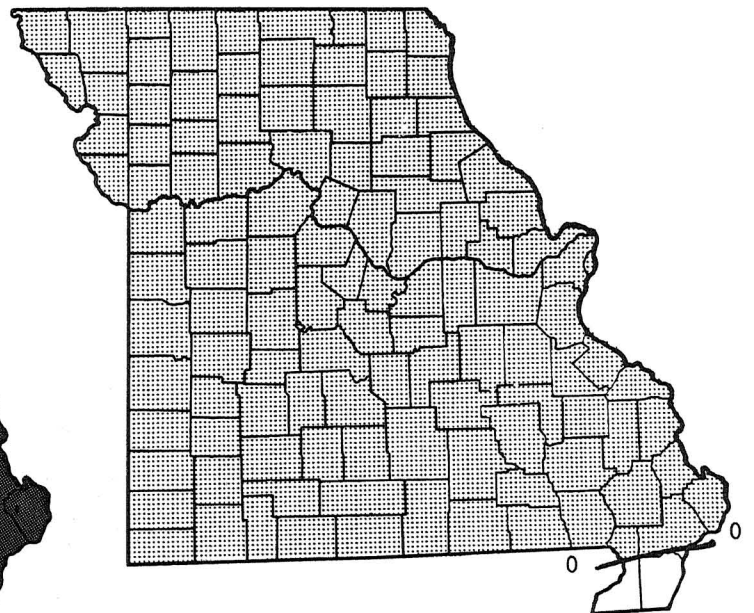
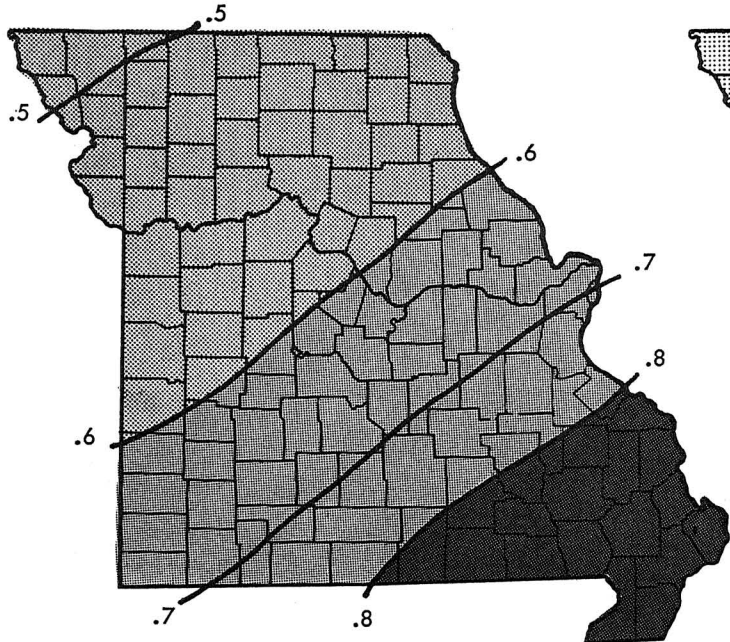
PRECIPITATION



SNOWFALL

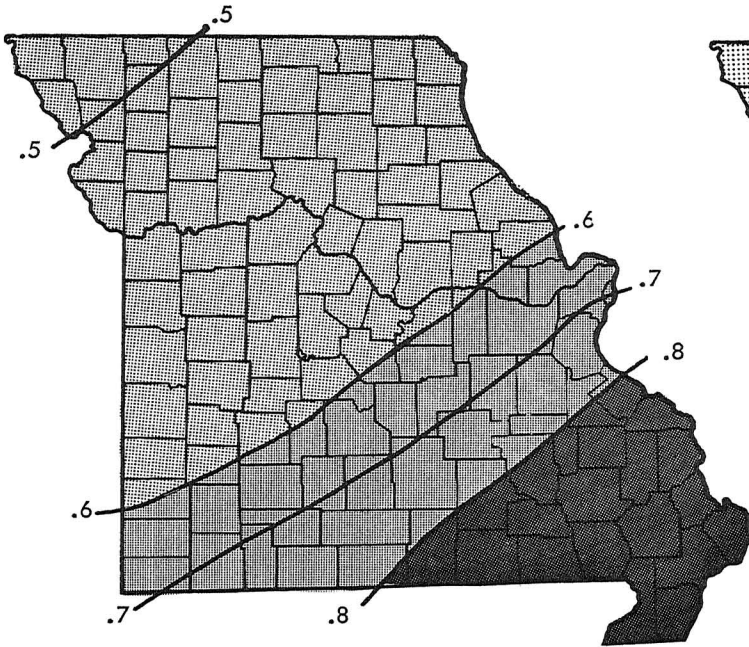


# Nov. 8 Through Nov. 14

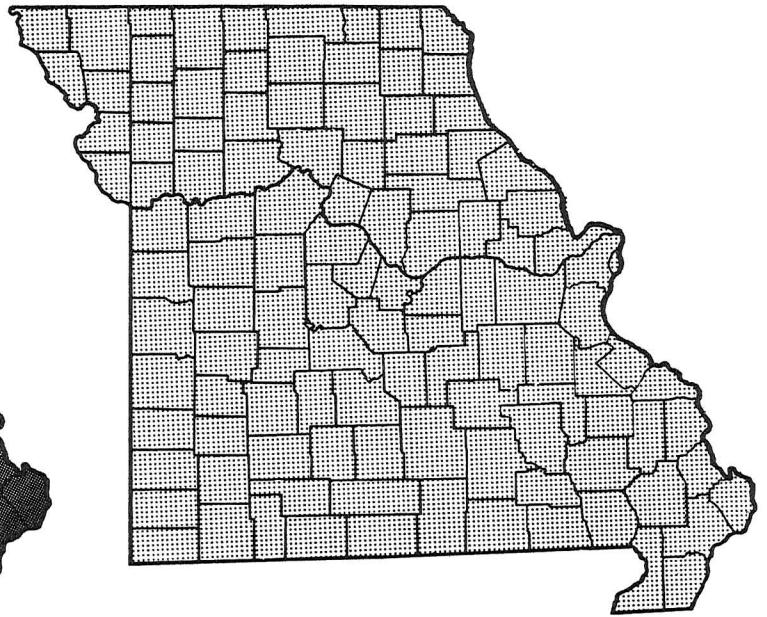


# Nov. 15 Through Nov. 21

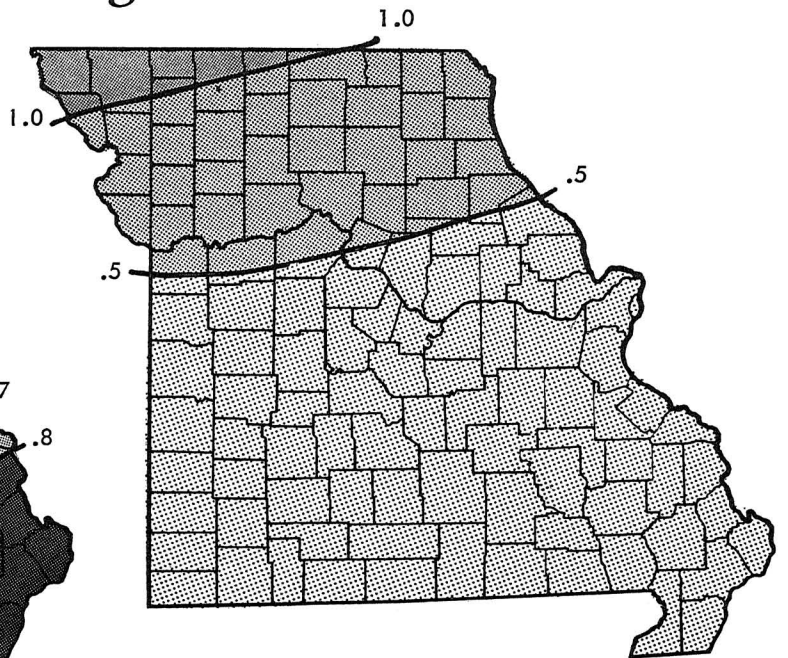
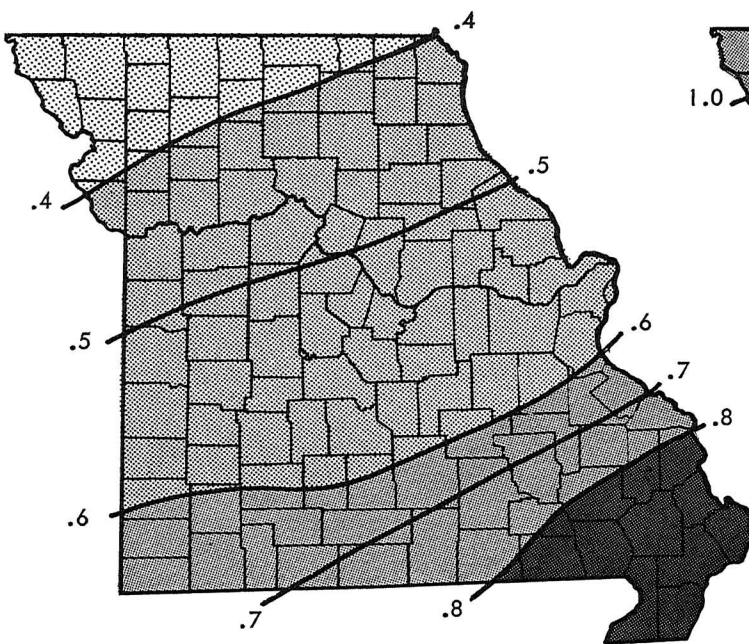
PRECIPITATION



SNOWFALL



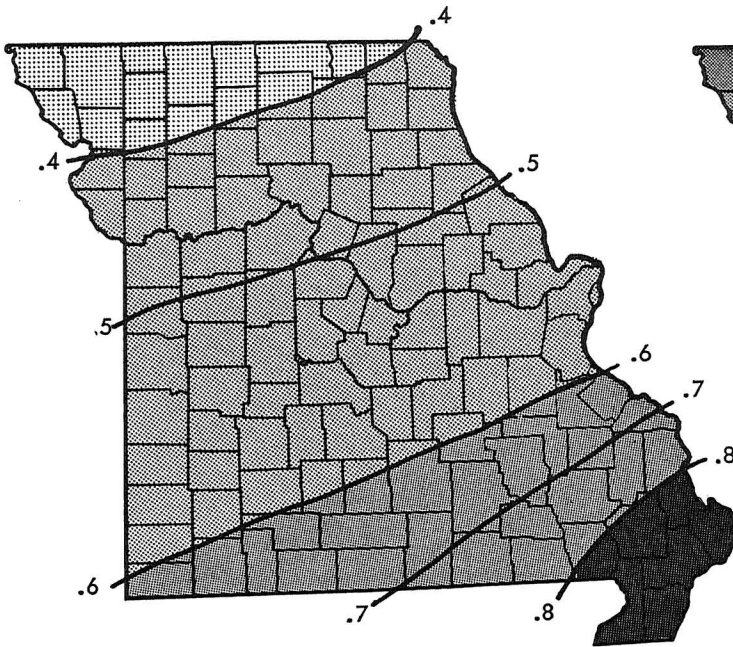
# Nov. 22 Through Nov. 28



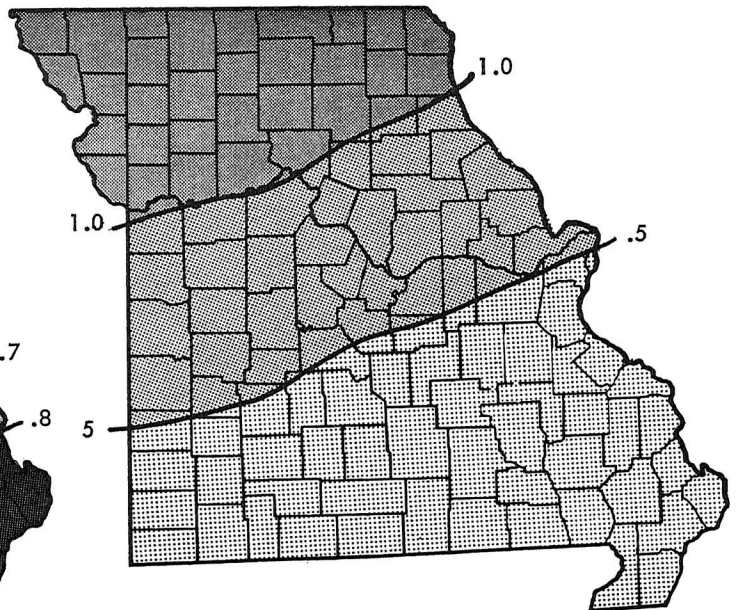


# Nov. 29 Through Dec. 5

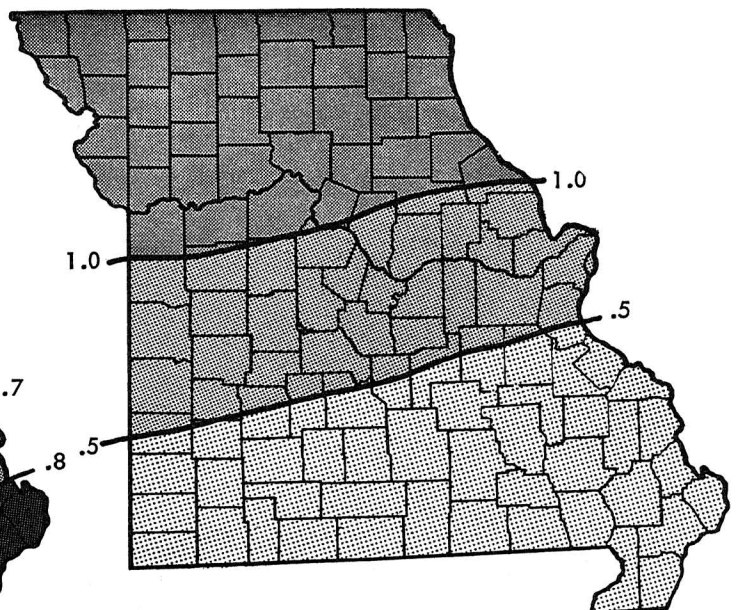
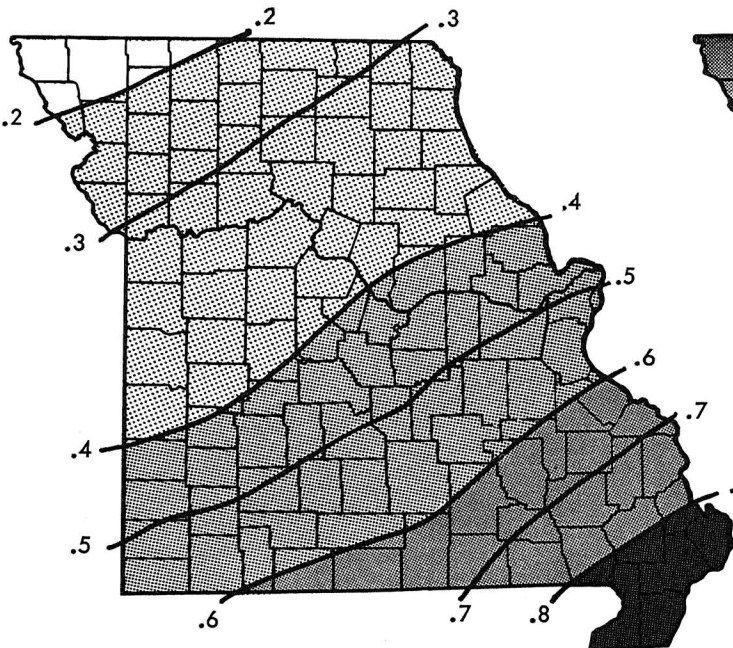
## PRECIPITATION



## SNOWFALL

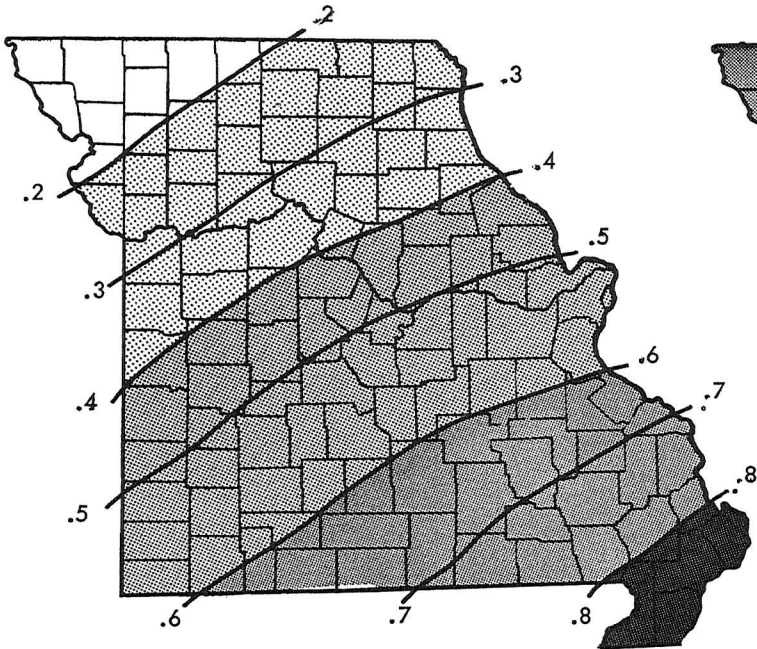


# Dec. 6 Through Dec. 12

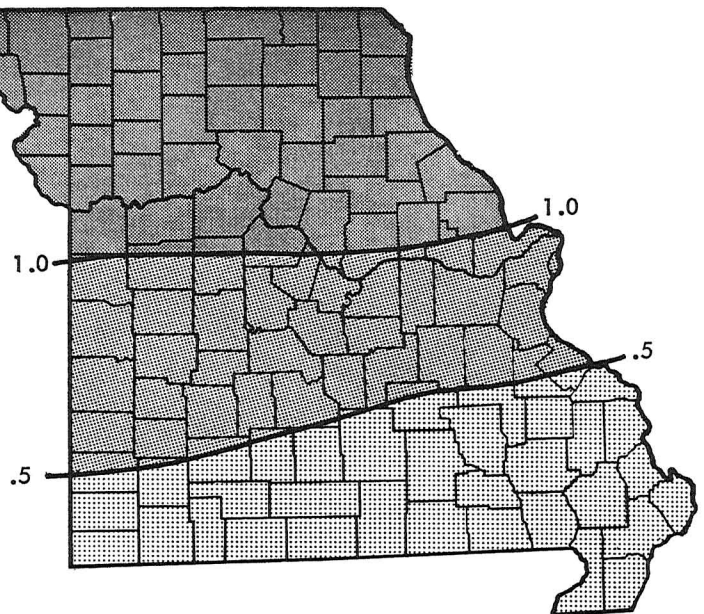


# Dec. 13 Through Dec. 19

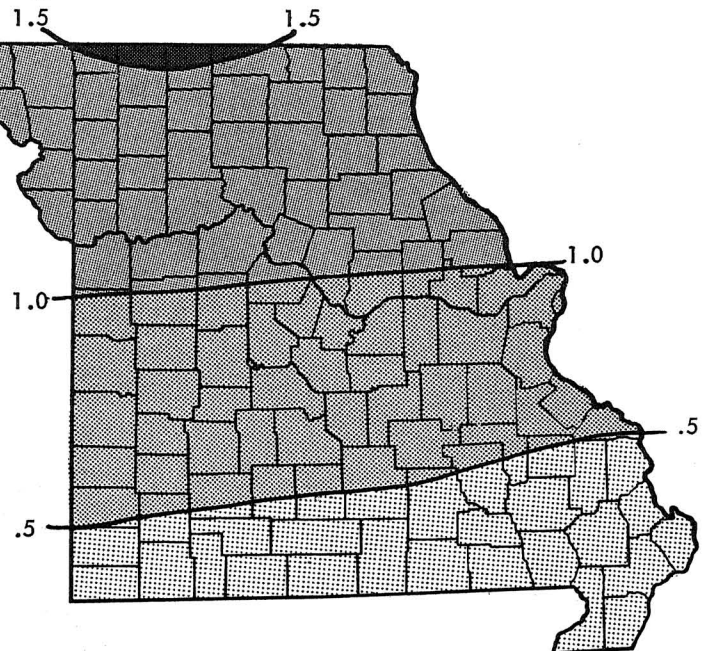
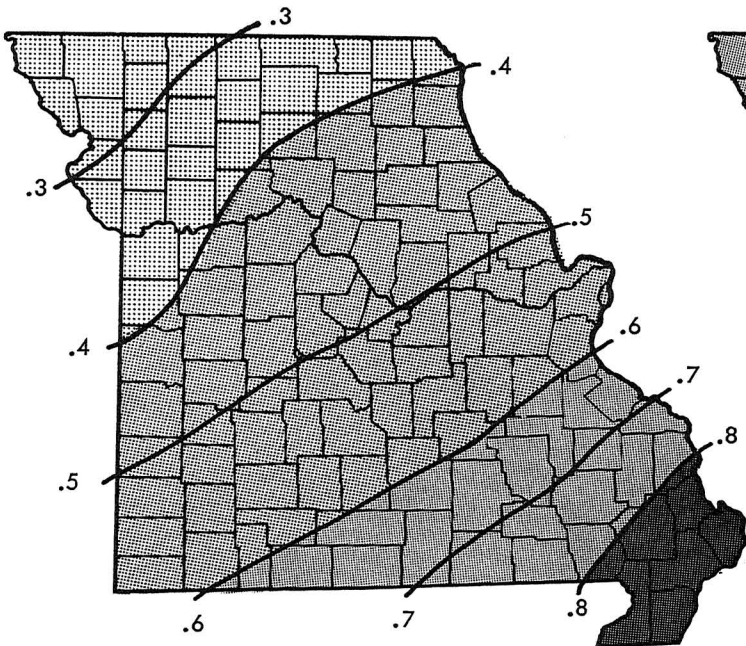
PRECIPITATION



SNOWFALL



# Dec. 20 Through Dec. 26



# Dec. 27 Through January 2

