

Land Classification Interpretations
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Prime and Important Farmland

Prime farmland is land that has the best combination of physical and chemical characteristics for producing food, feed, forage, fiber, and oilseed crops, and is also available for these uses (the land could be cropland, pastureland, forest land, or other land, but not urban built-up land or water). It has the soil quality, growing season, and moisture supply needed to economically produce sustained high yields of crops when treated and managed, including water management, according to acceptable farming methods.

In general, prime farmlands have an adequate and dependable water supply from precipitation or irrigation, a favorable temperature and growing season, acceptable acidity or alkalinity, acceptable salt content, and few or no rocks. They are permeable to water and air. Prime farmlands are not excessively erodible or saturated with water for a long period of time, and they either do not flood frequently or are protected from flooding.

This section includes lists of soil survey map units that meet the soil requirements for prime farmland in the county and state. Soils that have limitations, such as a high water table or flooding, may qualify as prime farmland if these limitations are overcome by such measures as drainage or flood control. State important soils are also noted.

This subsection includes:

- **(a) County Prime Farmland List**
- **(b) Missouri's Soil Survey Mapping Units Denoting Prime Farmland and Farmland of Statewide Importance**

St. Clair County, Missouri
 Prime Farmland

(Only the soils considered prime farmland are listed. Urban or built-up areas of the soils listed are not considered prime farmland. If a soil is prime farmland only under certain conditions, the conditions are specified in parentheses after the soil name.)

Map symbol	Soil name
11	Verdigris silt loam, occasionally flooded
15	Cleora fine sandy loam, occasionally flooded (Prime farmland if protected from flooding or not frequently flooded during the growing season)
16	Cedargap silt loam, frequently flooded (Prime farmland if protected from flooding or not frequently flooded during the growing season)
21	Osage silty clay, occasionally flooded (Prime farmland if drained)
50	Cotter silt loam, rarely flooded
51B	Deepwater silt loam, 2 to 5 percent slopes
52	Moniteau silt loam, rarely flooded (Prime farmland if drained)
53	Quarles silt loam, rarely flooded (Prime farmland if drained)
54B	Bucklick silt loam, 2 to 5 percent slopes
56B	Barco fine sandy loam, 2 to 5 percent slopes
57B	Liberal silt loam, 2 to 5 percent slopes
58	Hartwell silt loam
59B	Hartville silt loam, 2 to 5 percent slopes
60B	Barden silt loam, 1 to 5 percent slopes
61B	Summit silty clay loam, 2 to 5 percent slopes
75B	Newtonia silt loam, 1 to 5 percent slopes