Land Classification Interpretations

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**

Pike 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
10	Bremer silty clay loam, rarely flooded (Prime farmland if drained)
11	Chequest silty clay loam, occasionally flooded (Prime farmland if drained)
13	Tice silt loam, occasionally flooded
14	Belknap silt loam, occasionally flooded
15B	Gorin silt loam, 2 to 5 percent slopes
20C2	Leonard silty clay loam, 3 to 7 percent slopes, eroded (Prime farmland if drained)
23B	Menfro silt loam, 2 to 5 percent slopes
24B	Mexico silt loam, 1 to 5 percent slopes
24B2	Mexico silty clay loam, 2 to 5 percent slopes, eroded
25A	Moniteau silt loam, 0 to 3 percent slopes, occasionally flooded (Prime farmland if drained)
26	Putnam silt loam (Prime farmland if drained)
30B	Weller silt loam, 1 to 5 percent slopes
31B	Winfield silt loam, 2 to 5 percent slopes
32	Carlow silty clay, occasionally flooded (Prime farmland if drained)
35A	Okaw silt loam, 0 to 3 percent slopes, rarely flooded (Prime farmland if drained)
38	Chequest silty clay loam, frequently flooded (Prime farmland if drained and either protected from flooding or not frequently flooded during the growing season)
41	Klum loam, sandy substratum, occasionally flooded
47	Twomile silt loam, occasionally flooded (Prime farmland if drained)
48	Dockery silt loam, frequently flooded (Prime farmland if protected from flooding or not frequently flooded during the growing season)
50A	Dameron-Cedargap complex, 0 to 3 percent slopes (Prime farmland if protected from flooding or not frequently flooded during the growing season)
51A	Haymond silt loam, 0 to 3 percent slopes, occasionally flooded
55	Blackoar silt loam, occasionally flooded (Prime farmland if drained)
74A	Healing silt loam, 1 to 3 percent slopes, rarely flooded
77B	Calwoods silt loam, 1 to 5 percent slopes
78	Dupo silt loam, occasionally flooded
90B	Wakenda silt loam, 2 to 5 percent slopes