

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**

Polk 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
15002	McGirk silt loam, 1 to 3 percent slopes (Prime farmland if drained)
40000	Barden silt loam, 1 to 3 percent slopes
40002	Liberal silt loam, 3 to 8 percent slopes
46000	Humansville silt loam, 0 to 2 percent slopes, frequently flooded (Prime farmland if drained and either protected from flooding or not frequently flooded during the growing season)
66000	Moniteau silt loam, 0 to 2 percent slopes, occasionally flooded (Prime farmland if drained)
66001	Dameron silt loam, 0 to 3 percent slopes, frequently flooded (Prime farmland if protected from flooding or not frequently flooded during the growing season)
70006	Crelton silt loam, 1 to 3 percent slopes
70015	Pembroke silt loam, 2 to 5 percent slopes
70016	Goodson silt loam, 1 to 3 percent slopes
70039	Sacville silty clay loam, 1 to 3 percent slopes (Prime farmland if drained)
73000	Pomme silt loam, 3 to 8 percent slopes
73001	Glensted silt loam, 0 to 2 percent slopes (Prime farmland if drained)
73006	Peridge silt loam, 2 to 5 percent slopes
73007	Plato silt loam, 1 to 3 percent slopes
75375	Horsecreek silt loam, 0 to 2 percent slopes, occasionally flooded
75377	Racket silt loam, 0 to 3 percent slopes, frequently flooded (Prime farmland if protected from flooding or not frequently flooded during the growing season)
75378	Sturkie silt loam, 0 to 2 percent slopes, frequently flooded (Prime farmland if protected from flooding or not frequently flooded during the growing season)