

## 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**

(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
40000	Barden silt loam, 1 to 3 percent slopes
40011	Barco loam, 1 to 3 percent slopes
40017	Maplegrove silt loam, 1 to 3 percent slopes
40018	Medoc silt loam, 0 to 1 percent slope
40019	Newtonia - eldorado silt loams, 1 to 3 percent slopes
40020	Newtonia - eldorado silt loams, 1 to 3 percent slopes, moderately eroded
40022	Opolis silt loam, 0 to 1 percent slope
40023	Opolis silt loam, 1 to 3 percent slopes
40024	Opolis loam, 1 to 3 percent slopes, moderately eroded
44000	Cherokee silt loam, 0 to 1 percent slope
44002	Carl silty clay loam, 0 to 1 percent slope, rarely flooded (Prime farmland if drained)
44004	Mccune silt loam, 0 to 1 percent slope
46001	Verdigris silt loam, 0 to 1 percent slope, frequently flooded (Prime farmland if protected from flooding or not frequently flooded during the growing season)
46002	Hepler silt loam, 0 to 1 percent slope, occasionally flooded
46004	Osage silty clay loam, 0 to 1 percent slope, occasionally flooded (Prime farmland if drained)
46005	Verdigris silt loam, 0 to 1 percent slope, occasionally flooded
70006	Creldon silt loam, 1 to 3 percent slopes
70061	Pomme silt loam, karst, 1 to 3 percent slopes
70062	Pomme-rueter complex, 1 to 3 percent slopes
70066	Winnipeg silt loam, 1 to 3 percent slopes
71751	Bearthicket silt loam, 0 to 1 percent slope, occasionally flooded
73031	Gerald silt loam, 0 to 2 percent slopes