

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**

Carroll 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
01B	LAGONDA SILT LOAM, 2 TO 5 PERCENT SLOPES
03B	ARMSTER LOAM, 2 TO 5 PERCENT SLOPES
05B	GRUNDY SILT LOAM, 2 TO 5 PERCENT SLOPES
09B	SHARPSBURG SILT LOAM, 2 TO 5 PERCENT SLOPES
11B	LADOGA SILT LOAM, 2 TO 5 PERCENT SLOPES
16B	SAMPSEL SILTY CLAY LOAM, 2 TO 5 PERCENT SLOPES (Prime farmland if drained)
21B	WAKENDA SILT LOAM, 2 TO 5 PERCENT SLOPES
30	NODAWAY SILT LOAM, FREQUENTLY FLOODED (Prime farmland if protected from flooding or not frequently flooded during the growing season)
32	COLO SILTY CLAY LOAM, OCCASIONALLY FLOODED (Prime farmland if drained)
34	ZOOK SILTY CLAY LOAM, OCCASIONALLY FLOODED (Prime farmland if drained)
36	WABASH SILTY CLAY, OCCASIONALLY FLOODED (Prime farmland if drained)
42	BREMER SILT LOAM, OCCASIONALLY FLOODED (Prime farmland if drained)
60	AHOLT SILTY CLAY, OCCASIONALLY FLOODED (Prime farmland if drained)
62	BOOKER SILTY CLAY, OCCASIONALLY FLOODED (Prime farmland if drained)
64	COTTER SILT LOAM, RARELY FLOODED
66	GILLIAM SILT LOAM, OCCASIONALLY FLOODED
68	HAYNIE VERY FINE SANDY LOAM, OCCASIONALLY FLOODED
74	LANDES FINE SANDY LOAM, OCCASIONALLY FLOODED
76	LETA SILTY CLAY, OCCASIONALLY FLOODED
84	NORBORNE LOAM, RARELY FLOODED
86	PARKVILLE SILTY CLAY LOAM, OCCASIONALLY FLOODED
88	BREMER SILTY CLAY LOAM, RARELY FLOODED (Prime farmland if drained)
90	WALDRON SILTY CLAY LOAM, OCCASIONALLY FLOODED
92	WAUBONSIE FINE SANDY LOAM, LOAMY SUBSTRATUM, OCCASIONALLY FLOODED