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**

Saline 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
03	AHOLT CLAY, OCCASIONALLY FLOODED (Prime farmland if drained)
04	BOOKER CLAY, OCCASIONALLY FLOODED (Prime farmland if drained)
09	BREMER SILT LOAM, OCCASIONALLY FLOODED (Prime farmland if drained)
10A	DAMERON SILT LOAM, 0 TO 3 PERCENT SLOPES, OCCASIONALLY FLOODED
11	VESSER SILT LOAM, OCCASIONALLY FLOODED (Prime farmland if drained)
12	COLO SILTY CLAY LOAM, OCCASIONALLY FLOODED (Prime farmland if drained)
13	GRABLE VERY FINE SANDY LOAM, LOAMY SUBSTRATUM, RARELY FLOODED
14	DARWIN SILTY CLAY, RARELY FLOODED (Prime farmland if drained)
15	DOCKERY SILT LOAM, FREQUENTLY FLOODED (Prime farmland if protected from flooding or not frequently flooded during the growing season)
24	HAYNIE SILT LOAM, RARELY FLOODED
26	HAYNIE-WALDRON COMPLEX, OCCASIONALLY FLOODED
30B	HIGGINSVILLE SILT LOAM, 2 TO 5 PERCENT SLOPES
37A	LESLIE SILT LOAM, 0 TO 2 PERCENT SLOPES (Prime farmland if drained)
37B	LESLIE SILT LOAM, 2 TO 5 PERCENT SLOPES
40	LETA SILTY CLAY, OCCASIONALLY FLOODED
41	LEVASY SILTY CLAY, OCCASIONALLY FLOODED (Prime farmland if drained)
43B	MACKSBURG SILT LOAM, 1 TO 4 PERCENT SLOPES
47B	MONONA SILT LOAM, 2 TO 5 PERCENT SLOPES
50B	MCGIRK SILT LOAM, 2 TO 5 PERCENT SLOPES (Prime farmland if drained)
57	JOY SILT LOAM
60	MONITEAU SILT LOAM, OCCASIONALLY FLOODED (Prime farmland if drained)
63	NODAWAY SILT LOAM, OCCASIONALLY FLOODED
65	ACKMORE SILT LOAM, OCCASIONALLY FLOODED (Prime farmland if drained)
68	WINTERSET SILT LOAM (Prime farmland if drained)
73B	SIBLEY SILT LOAM, 2 TO 5 PERCENT SLOPES
83	MOVILLE SILT LOAM, OCCASIONALLY FLOODED
86	WALDRON SILTY CLAY, OCCASIONALLY FLOODED
90B	WELLER SILT LOAM, 2 TO 5 PERCENT SLOPES
95	WIOTA SILT LOAM, RARELY FLOODED
96	ZOOK SILTY CLAY, FREQUENTLY FLOODED (Prime farmland if drained and either protected from flooding or not frequently flooded during the growing season)