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**

Worth 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
AaB2	ADAIR SILT LOAM VARIANT AND ADAIR LOAM, 2 TO 5 PERCENT SLOPES, MODERATELY ERODED
EbA	EDINA SILT LOAM, BENCHES, 0 TO 3 PERCENT SLOPES (Prime farmland if drained)
GsB	GRUNDY SILT LOAM, 2 TO 5 PERCENT SLOPES
GsB2	GRUNDY SILT LOAM, 2 TO 5 PERCENT SLOPES, MODERATELY ERODED
GuA	GRUNDY SILT LOAM, BENCHES, 0 TO 2 PERCENT SLOPES
GuB	GRUNDY SILT LOAM, BENCHES, 2 TO 5 PERCENT SLOPES
Kc	KENNEBEC SILT LOAM
LaB	LADOGA SILT LOAM, 2 TO 5 PERCENT SLOPES
LbB	LADOGA SILT LOAM, BENCHES, 2 TO 5 PERCENT SLOPES
Ne	NEVIN SILT LOAM
No	NODAWAY SILT LOAM
Nw	NODAWAY SILT LOAM, OVERFLOW (Prime farmland if protected from flooding or not frequently flooded during the growing season)
OaB	OLMITZ LOAM, 2 TO 5 PERCENT SLOPES
OkB	OLMITZ-KENNEBEC COMPLEX, 0 TO 5 PERCENT SLOPES
PeB	PERSHING SILT LOAM, 2 TO 5 PERCENT SLOPES
PeB2	PERSHING SILT LOAM, 2 TO 5 PERCENT SLOPES, MODERATELY ERODED
PrB	PERSHING SILT LOAM, BENCHES, 2 TO 5 PERCENT SLOPES
PrB2	PERSHING SILT LOAM, BENCHES, 2 TO 5 PERCENT SLOPES, MODERATELY ERODED
SaB	SHARPSBURG SILT LOAM, 2 TO 5 PERCENT SLOPES
SaB2	SHARPSBURG SILT LOAM, 2 TO 5 PERCENT SLOPES, MODERATELY ERODED
SbC	SHARPSBURG SILT LOAM, BENCHES, 3 TO 8 PERCENT SLOPES
Wa	WABASH SILTY CLAY (Prime farmland if drained)
Wb	WABASH SILTY CLAY LOAM (Prime farmland if drained)