

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**

Caldwell 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
AmB	ARMSTER LOAM, 2 TO 5 PERCENT SLOPES
Bk	BLACKOAR SILT LOAM, RARELY FLOODED (Prime farmland if drained)
Co	COLO SILT LOAM, OCCASIONALLY FLOODED (Prime farmland if drained)
GnB	GREENTON SILT LOAM, 2 TO 5 PERCENT SLOPES
GsA	GRUNDY SILT LOAM, 0 TO 2 PERCENT SLOPES
GsB	GRUNDY SILT LOAM, 2 TO 5 PERCENT SLOPES
GuB2	GRUNDY SILTY CLAY LOAM, 2 TO 5 PERCENT SLOPES, ERODED
Ke	KENNEBEC SILT LOAM, RARELY FLOODED
LaB	LADOGA SILT LOAM, 2 TO 5 PERCENT SLOPES
LdB	LAGONDA SILT LOAM, 2 TO 5 PERCENT SLOPES
LdB2	LAGONDA SILT LOAM, 2 TO 5 PERCENT SLOPES, ERODED
LmB	LAMONI AND ADAIR SOILS, 2 TO 5 PERCENT SLOPES
LmB2	LAMONI AND ADAIR SOILS, 2 TO 5 PERCENT SLOPES, ERODED
LnB	LINEVILLE SILT LOAM, 2 TO 5 PERCENT SLOPES
LnB2	LINEVILLE SILT LOAM, 2 TO 5 PERCENT SLOPES, ERODED
MoA	MONITEAU SILT LOAM, 0 TO 3 PERCENT SLOPES, RARELY FLOODED (Prime farmland if drained)
NeA	NEVIN SILT LOAM, 0 TO 3 PERCENT SLOPES, RARELY FLOODED
PoB	POLO SILT LOAM, 2 TO 5 PERCENT SLOPES
SaB	SAMPSEL SILTY CLAY LOAM, 2 TO 5 PERCENT SLOPES (Prime farmland if drained)
SaB2	SAMPSEL SILTY CLAY LOAM, 2 TO 5 PERCENT SLOPES, ERODED (Prime farmland if drained)
Zo	ZOOK SILTY CLAY LOAM, FREQUENTLY FLOODED (Prime farmland if drained and either protected from flooding or not frequently flooded during the growing season)
Zs	ZOOK SILTY CLAY, FREQUENTLY FLOODED (Prime farmland if drained and either protected from flooding or not frequently flooded during the growing season)