

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**

Holt 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
14	BLENCOE SILTY CLAY, RARELY FLOODED
16	COLO SILTY CLAY LOAM, OCCASIONALLY FLOODED (Prime farmland if drained)
18B	KENRIDGE-JUDSON COMPLEX, 1 TO 7 PERCENT SLOPES
22	DOCKERY SILT LOAM, CLAYEY SUBSTRATUM, RARELY FLOODED
26	GRABLE VERY FINE SANDY LOAM, FREQUENTLY FLOODED (Prime farmland if protected from flooding or not frequently flooded during the growing season)
27	GRABLE-LETA COMPLEX, RARELY FLOODED
28	GILLIAM SILT LOAM, RARELY FLOODED
29	GRABLE VERY FINE SANDY LOAM, RARELY FLOODED
30	HAYNIE SILT LOAM, FREQUENTLY FLOODED (Prime farmland if protected from flooding or not frequently flooded during the growing season)
32	HAYNIE SILT LOAM, RARELY FLOODED
36B	TIMULA SILT LOAM, 2 TO 7 PERCENT SLOPES
46	LUTON CLAY, RARELY FLOODED (Prime farmland if drained)
50B	MARSHALL SILTY CLAY LOAM, 2 TO 5 PERCENT SLOPES
52	MOTARK SILT LOAM, RARELY FLOODED
54B	MONONA SILT LOAM, 2 TO 5 PERCENT SLOPES
56	DUPO SILT LOAM, RARELY FLOODED
57	MODALE SILT LOAM, RARELY FLOODED
58B	MOTARK-NAPIER SILT LOAMS, 1 TO 7 PERCENT SLOPES
59B	NODAWAY-JUDSON SILT LOAMS, 1 TO 7 PERCENT SLOPES
60	NODAWAY SILT LOAM, OCCASIONALLY FLOODED
61B	NAPIER SILT LOAM, 1 TO 7 PERCENT SLOPES
63	LETA SILT LOAM, SANDY SUBSTRATUM, RARELY FLOODED
64	LETA SILTY CLAY, RARELY FLOODED
65	LETA SILTY CLAY, FREQUENTLY FLOODED (Prime farmland if protected from flooding or not frequently flooded during the growing season)
66	LETA SILTY CLAY, SANDY SUBSTRATUM, RARELY FLOODED
81	WABASH SILTY CLAY, RARELY FLOODED (Prime farmland if drained)
82	ZOOK SILTY CLAY LOAM, OCCASIONALLY FLOODED (Prime farmland if drained)