

Land Classification Interpretations
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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**

Clark 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
01	WAKELAND SILT LOAM, FREQUENTLY FLOODED (Prime farmland if protected from flooding or not frequently flooded during the growing season)
02	KLUM FINE SANDY LOAM, FREQUENTLY FLOODED (Prime farmland if protected from flooding or not frequently flooded during the growing season)
08	HUNTSVILLE SILT LOAM, OCCASIONALLY FLOODED
15B	HOOPESTON FINE SANDY LOAM, 1 TO 5 PERCENT SLOPES
17C	NEEPEER LOAM, 2 TO 7 PERCENT SLOPES, RARELY FLOODED
18B	JASPER FINE SANDY LOAM, SANDY SUBSTRATUM, 1 TO 5 PERCENT SLOPES
20	COLO SILTY CLAY LOAM, OCCASIONALLY FLOODED (Prime farmland if drained)
24	MONITEAU SILT LOAM, RARELY FLOODED (Prime farmland if drained)
27	ZOOK SILTY CLAY LOAM, OCCASIONALLY FLOODED (Prime farmland if drained)
33	EDINA SILT LOAM (Prime farmland if drained)
37B	MARION SILT LOAM, 1 TO 5 PERCENT SLOPES
43B	ADCO SILT LOAM, 1 TO 5 PERCENT SLOPES
44	BELINDA SILT LOAM (Prime farmland if drained)
48C	ALVIN FINE SANDY LOAM, 3 TO 9 PERCENT SLOPES
49	VESSER SILT LOAM, OCCASIONALLY FLOODED (Prime farmland if drained)
51	GILFORD SANDY LOAM, OCCASIONALLY FLOODED (Prime farmland if drained)
53	VESSER SILT LOAM, FREQUENTLY FLOODED (Prime farmland if drained and either protected from flooding or not frequently flooded during the growing season)
54	ZOOK SILTY CLAY LOAM, FREQUENTLY FLOODED (Prime farmland if drained and either protected from flooding or not frequently flooded during the growing season)
60	EXCELLO CLAY LOAM, OCCASIONALLY FLOODED (Prime farmland if drained)
66	NODAWAY SILT LOAM, OCCASIONALLY FLOODED
71	BEAUCOUP SILT LOAM, OCCASIONALLY FLOODED (Prime farmland if drained)
74	ORION SILT LOAM, OCCASIONALLY FLOODED
82	LAWSON SILT LOAM, OCCASIONALLY FLOODED
91	WIOTA SILT LOAM
99	FATIMA SILT LOAM, FREQUENTLY FLOODED (Prime farmland if protected from flooding or not frequently flooded during the growing season)