

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**

Pettis 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 |
|------------|---|
| 10A | HARTWELL SILT LOAM, 0 TO 2 PERCENT SLOPES |
| 10B2 | HARTWELL SILT LOAM, 1 TO 3 PERCENT SLOPES, ERODED |
| 11 | HARTWELL SILT LOAM, FOOT SLOPES, 0 TO 1 PERCENT SLOPES (Prime farmland if drained) |
| 12 | HAIG SILT LOAM (Prime farmland if drained) |
| 15B | BLUELICK SILT LOAM, 2 TO 5 PERCENT SLOPES |
| 17B | PEMBROKE SILT LOAM, 2 TO 5 PERCENT SLOPES |
| 20B | PERSHING SILT LOAM, 2 TO 5 PERCENT SLOPES |
| 20B2 | PERSHING SILT LOAM, 2 TO 5 PERCENT SLOPES, ERODED |
| 21B2 | PERSHING SILT LOAM, FOOT SLOPES, 2 TO 5 PERCENT SLOPES, ERODED |
| 23B | MACKSBURG SILT LOAM, 1 TO 5 PERCENT SLOPES |
| 24B2 | ARISPE SILT LOAM, 2 TO 5 PERCENT SLOPES, ERODED |
| 28B | GREENTON SILT LOAM, FOOT SLOPES, 2 TO 5 PERCENT SLOPES |
| 28B2 | GREENTON SILT LOAM, 2 TO 5 PERCENT SLOPES, ERODED |
| 31 | OTTER SILT LOAM, FREQUENTLY FLOODED (Prime farmland if drained and either protected from flooding or not frequently flooded during the growing season) |
| 32 | TANGLENOOK SILT LOAM, OCCASIONALLY FLOODED (Prime farmland if drained) |
| 33 | DOCKERY SILT LOAM, FREQUENTLY FLOODED (Prime farmland if protected from flooding or not frequently flooded during the growing season) |
| 34 | ARBELA SILT LOAM, OCCASIONALLY FLOODED (Prime farmland if drained) |
| 38 | ZOOK SILTY CLAY LOAM, FREQUENTLY FLOODED (Prime farmland if drained and either protected from flooding or not frequently flooded during the growing season) |
| 40 | LAMINE SILT LOAM, OCCASIONALLY FLOODED (Prime farmland if drained) |
| 42 | DAMERON SILT LOAM, FREQUENTLY FLOODED (Prime farmland if protected from flooding or not frequently flooded during the growing season) |
| 43 | NEVIN SILT LOAM, OCCASIONALLY FLOODED |
| 46 | COTTER SILT LOAM, OCCASIONALLY FLOODED |
| 53B | FRIENDLY SILT LOAM, 1 TO 3 PERCENT SLOPES |
| 53B2 | FRIENDLY SILT LOAM, 1 TO 4 PERCENT SLOPES, ERODED |
| 54B | PAINTBRUSH SILT LOAM, 2 TO 5 PERCENT SLOPES |
| 54B2 | PAINTBRUSH SILT LOAM, 2 TO 5 PERCENT SLOPES, ERODED |
| 55B | BAHNER SILT LOAM, 2 TO 5 PERCENT SLOPES |
| 58B2 | SEDALIA SILTY CLAY LOAM, 2 TO 5 PERCENT SLOPES, ERODED |
| 62B2 | MAPLEWOOD SILT LOAM, 2 TO 5 PERCENT SLOPES, ERODED |
| 77B | WAKENDA SILT LOAM, 2 TO 5 PERCENT SLOPES |