

Prime farmland is one of several kinds of important farmland defined by the U.S. Department of Agriculture. It is of major importance in meeting the Nation's short- and long-range needs for food and fiber. Because the supply of high-quality farmland is limited, the U.S. Department of Agriculture recognizes that responsible levels of government, as well as individuals, should encourage and facilitate the wise use of our Nation's prime farmland.

Prime farmland, as defined by the U.S. Department of Agriculture, is land that has the best combination of physical and chemical characteristics for producing food, feed, forage, fiber, and oilseed crops and is available for these uses. It could be cultivated land, pastureland, forestland, or other land, but it is not urban or built-up land or water areas. The soil qualities, growing season, and moisture supply are those needed for the soil to economically produce sustained high yields of crops when proper management, including water management, and acceptable farming methods are applied. In general, prime farmland has an adequate and dependable supply of moisture from precipitation or irrigation, a favorable temperature and growing season, acceptable acidity or alkalinity, an acceptable salt and sodium content, and few or no rocks. It is permeable to water and air. It is not excessively erodible or saturated with water for long periods, and it either is not frequently flooded during the growing season or is protected from flooding. Slope ranges mainly from 0 to 6 percent. More detailed information about the criteria for prime farmland is available at the local office of the Natural Resources Conservation Service.

A recent trend in land use in some parts of the survey area has been the loss of some prime farmland to industrial and urban uses. The loss of prime farmland to other uses puts pressure on marginal lands, which generally are more erodible, droughty, and less productive and cannot be easily cultivated.

The map units in the survey area that are considered prime farmland are listed in the following table. This list does not constitute a recommendation for a particular land use. On some soils included in the list, measures that overcome a hazard or limitation, such as flooding, wetness, and droughtiness, are needed. Onsite evaluation is needed to determine whether or not the hazard or limitation has been overcome by corrective measures. The extent of each listed map unit is shown in the "Acres and Proportionate Extent of Soils" table. The location is shown on the detailed soil maps. The soil qualities that affect use and management are described in other tables in this document."

PRIME FARMLAND--Continued
Atchison County, Kansas : Update

PAGE 2 of 2

Map symbol	Mapunit name	Farmland Classification
085WB	Wymore silty clay loam, 1 to 3 percent slopes	All areas are prime farmland
601GT	Grundy silty clay loam, 1 to 3 percent slopes	All areas are prime farmland
601LA	Ladoga silt loam, 4 to 7 percent slopes	All areas are prime farmland
601SH	Shelby loam, 4 to 8 percent slopes	All areas are prime farmland
Ch	Chase silty clay loam, 0 to 2 percent slopes, occasionally flooded	All areas are prime farmland
Gr	Grundy silty clay loam, 0 to 2 percent slopes	All areas are prime farmland
Gu	Grundy silty clay loam, 2 to 6 percent slopes	All areas are prime farmland
Hn	Haynie silt loam, 0 to 2 percent slopes, occasionally flooded	All areas are prime farmland
Ju	Judson silt loam, 2 to 6 percent slopes	All areas are prime farmland
Ke	Kennebec silt loam, 0 to 2 percent slopes, occasionally flooded	All areas are prime farmland
Mc	Martin silty clay loam, 3 to 7 percent slopes	All areas are prime farmland
Mw	Muscotah silt loam, 0 to 2 percent slopes, occasionally flooded, overwash	All areas are prime farmland
No	Nodaway silt loam, 0 to 2 percent slopes, occasionally flooded	All areas are prime farmland
Re	Reading silt loam, 0 to 2 percent slopes, rarely flooded	All areas are prime farmland
Sb	Sharpsburg silty clay loam, 1 to 4 percent slopes	All areas are prime farmland
Wm	Wymore silty clay loam, 2 to 5 percent slopes	All areas are prime farmland
Ho	Haynie-onawa complex, 0 to 2 percent slopes, occasionally flooded	Prime farmland if drained
Kg	Kennebec-colo silt loams, 0 to 2 percent slopes, occasionally flooded	Prime farmland if drained
Od	Onawa loam, 0 to 2 percent slopes, occasionally flooded, overwash	Prime farmland if drained
Wa	Wabash silty clay loam, 0 to 2 percent slopes, occasionally flooded	Prime farmland if drained
Wb	Wabash silty clay, 0 to 2 percent slopes, occasionally flooded	Prime farmland if drained
On	Onawa and waldron silty clay loams, 0 to 2 percent slopes, occasionally flooded	Prime farmland if drained and either protected from flooding or not frequently flooded during the growing season

