

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."

Map symbol	Mapunit name	Farmland Classification
003DB	Dennis silt loam, 1 to 4 percent slopes	All areas are prime farmland
602CB	Catoosa silt loam, 1 to 3 percent slopes	All areas are prime farmland
2326	Kenoma silt loam, 1 to 4 percent slopes	All areas are prime farmland
3494	Summit silty clay loam, 1 to 4 percent slopes	All areas are prime farmland
3816	Verdigris silt loam, 0 to 2 percent slopes, occasionally flooded	All areas are prime farmland
3951	Woodson silt loam, 1 to 3 percent slopes	All areas are prime farmland
Bc	Bates loam, 1 to 4 percent slopes	All areas are prime farmland
Dc	Dennis silt loam, 2 to 5 percent slopes	All areas are prime farmland
Dn	Dennis-bates complex, 2 to 6 percent slopes	All areas are prime farmland
Ke	Kenoma silt loam, 1 to 4 percent slopes	All areas are prime farmland
Lo	Lula silt loam, 0 to 2 percent slopes	All areas are prime farmland
LU	Lula silt loam, 1 to 3 percent slopes	All areas are prime farmland
Mb	Mason silt loam, 0 to 2 percent slopes, rarely flooded	All areas are prime farmland
Sn	Summit silty clay loam, 1 to 3 percent slopes	All areas are prime farmland
So	Summit silty clay loam, 3 to 7 percent slopes	All areas are prime farmland
Vb	Verdigris silt loam, 0 to 2 percent slopes, occasionally flooded	All areas are prime farmland
Wb	Welda silt loam, 2 to 6 percent slopes	All areas are prime farmland
Wo	Woodson silt loam, 0 to 1 percent slopes	All areas are prime farmland
Wt	Woodson silt loam, 1 to 3 percent slopes	All areas are prime farmland
003LA	Lanton silty clay loam, occasionally flooded	Prime farmland if drained
602LA	Lanton silt loam, occasionally flooded	Prime farmland if drained
2540	Leanna silt loam, 0 to 2 percent slopes, occasionally flooded	Prime farmland if drained
Le	Leanna silt loam, occasionally flooded	Prime farmland if drained
Os	Osage silty clay loam, 0 to 2 percent slopes, occasionally flooded	Prime farmland if drained
Ov	Osage silty clay, occasionally flooded	Prime farmland if drained

