

PRIME FARMLAND  
Ransom County, North Dakota

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  
 Ransom County, North Dakota

Map symbol	Mapunit name	Farmland Classification
118	Barnes-buse loams, 3 to 6 percent slopes	All areas are prime farmland
154	Barnes-svea loams, 0 to 3 percent slopes	All areas are prime farmland
156	Barnes-svea loams, 3 to 6 percent slopes	All areas are prime farmland
493	Darnen loam, 3 to 6 percent slopes	All areas are prime farmland
510	Divide loam	All areas are prime farmland
571	Embden fine sandy loam, 0 to 6 percent slopes	All areas are prime farmland
726	Fordville loam	All areas are prime farmland
772	Gardena-eckman loams, 0 to 3 percent slopes	All areas are prime farmland
794	Glyndon loam	All areas are prime farmland
1030	Kranzburg-lismore silty clay loams, 2 to 6 percent slopes	All areas are prime farmland
1043	La prairie loam	All areas are prime farmland
1055	Ladelle silt loam	All areas are prime farmland
1168	Lismore-kranzburg silty clay loams, 0 to 2 percent slopes	All areas are prime farmland
1403	Overly silty clay loam	All areas are prime farmland
1772	Svea-gardena loams	All areas are prime farmland
1788	Swenoda-barnes complex, 0 to 6 percent slopes	All areas are prime farmland
1953	Wahpeton silty clay	All areas are prime farmland
2049	Wyndmere loam	All areas are prime farmland
2207	Bearden silt loam	All areas are prime farmland
2211	Eckman-gardena loams, 3 to 6 percent slopes	All areas are prime farmland
2212	Eckman-zell loams, 3 to 6 percent slopes	All areas are prime farmland
2215	Fairdale loam, 0 to 6 percent slopes	All areas are prime farmland
2216	Gwinner-peevee-parnell complex, 0 to 3 percent slopes	All areas are prime farmland
2222	Peevee-gwinner complex, 3 to 6 percent slopes	All areas are prime farmland
64	Arveson loam	Prime farmland if drained
450	Colvin silt loam	Prime farmland if drained
883	Hamerly-tonka-parnell complex, 0 to 3 percent slopes	Prime farmland if drained
1081	Lamoure silt loam	Prime farmland if drained
1269	Marysland silt loam	Prime farmland if drained
1834	Tonka silt loam	Prime farmland if drained
2219	Hegne silty clay loam	Prime farmland if drained
2213	Eckman-zell loams, 6 to 9 percent slopes	Farmland of statewide importance

