

PRIME FARMLAND
Traill 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
Traill County, North Dakota

Map symbol	Mapunit name	Farmland Classification
Be	Bearden silty clay loam	All areas are prime farmland
Bg	Bearden silty clay loam, clay substratum	All areas are prime farmland
Bo	Bearden-overly silty clay loams	All areas are prime farmland
Bs	Bearden and glyndon silt loams	All areas are prime farmland
Bt	Beotia silt loam	All areas are prime farmland
Bu	Bohnsack loam	All areas are prime farmland
CaA	Cashel silty clay, 1 to 3 percent slopes	All areas are prime farmland
Dd	Divide loam	All areas are prime farmland
Do	Doran clay loam	All areas are prime farmland
EdA	Egeland loam, 1 to 3 percent slopes	All areas are prime farmland
EgA	Egeland-embden fine sandy loams, 1 to 3 percent slopes	All areas are prime farmland
EgB	Egeland-embden fine sandy loams, 3 to 6 percent slopes	All areas are prime farmland
Em	Embden fine sandy loam	All areas are prime farmland
En	Embden very fine sandy loam	All areas are prime farmland
Eo	Emrick loam	All areas are prime farmland
EpA	Emrick-heimdal loams, 1 to 3 percent slopes	All areas are prime farmland
FaA	Fairdale silt loam, 1 to 3 percent slopes	All areas are prime farmland
Gd	Gardena silt loam	All areas are prime farmland
GeB	Gardena-eckman silt loams, 3 to 6 percent slopes	All areas are prime farmland
Gg	Gilby loam	All areas are prime farmland
Gm	Glyndon silt loam	All areas are prime farmland
GwA	Great bend silty clay loam, 1 to 3 percent slopes	All areas are prime farmland
HrB	Heimdal-emrick loams, 3 to 6 percent slopes	All areas are prime farmland
La	Ladelle silty clay loam	All areas are prime farmland
Ln	Lankin loam	All areas are prime farmland
Lp	La prairie silt loam	All areas are prime farmland
NuA	Nutley silty clay, 1 to 3 percent slopes	All areas are prime farmland
NuB	Nutley silty clay, 3 to 6 percent slopes	All areas are prime farmland
Or	Overly silty clay loam	All areas are prime farmland
OvB	Overly-great bend silty clay loams, 3 to 6 percent slopes	All areas are prime farmland
Sv	Swenoda fine sandy loam	All areas are prime farmland
Sw	Swenoda loam	All areas are prime farmland
WaA	Wahpeton silty clay, 1 to 3 percent slopes	All areas are prime farmland
Wh	Wheatville silt loam	All areas are prime farmland
Wn	Wyndmere fine sandy loam	All areas are prime farmland
Wo	Wyndmere loam	All areas are prime farmland
Ar	Arveson fine sandy loam	Prime farmland if drained
As	Arveson loam	Prime farmland if drained
Bn	Bearden-lindaas silty clay loams	Prime farmland if drained
Bp	Bearden-perella silty clay loams	Prime farmland if drained
Bv	Bohnsack-tiffany loams	Prime farmland if drained
Bw	Borup silt loam	Prime farmland if drained
Co	Colvin silt loam	Prime farmland if drained
Fb	Fargo silty clay loam	Prime farmland if drained
Fc	Fargo silty clay	Prime farmland if drained
Fd	Fargo-dovray silty clays	Prime farmland if drained
Fe	Fargo-enloe silty clay loams	Prime farmland if drained
Fg	Fargo-enloe silty clays	Prime farmland if drained
Fh	Fargo-hegne silty clays	Prime farmland if drained
Ga	Galchutt-fargo complex	Prime farmland if drained
Gh	Gilby-tonka complex	Prime farmland if drained
Go	Glyndon-perella silt loams	Prime farmland if drained
Gr	Glyndon-tiffany loams	Prime farmland if drained
Hb	Hamerly-tonka clay loams	Prime farmland if drained
Hn	Hegne-enloe silty clays	Prime farmland if drained
Ho	Hegne-fargo silty clays	Prime farmland if drained
Lm	Lamoure silt loam	Prime farmland if drained
Lu	Ludden silty clay	Prime farmland if drained
Os	Overly-fargo complex	Prime farmland if drained
Pe	Perella silt loam	Prime farmland if drained
Ro	Rockwell fine sandy loam	Prime farmland if drained
Tf	Tiffany loam	Prime farmland if drained
To	Tonka silt loam	Prime farmland if drained
Vd	Vallers-doran clay loams	Prime farmland if drained
Vk	Viking clay	Prime farmland if drained
Wt	Wyndmere-tiffany fine sandy loams	Prime farmland if drained

