

POTENTIAL CROPLAND LIMITATIONS AND HAZARD
 Rolette County, North Dakota

(See text for a description and criteria of the limitations and hazards listed in this table)

Map Symbol and Component Name	Cropland Limitations and Hazards
17: Aberdeen	Pesticide and nutrient leaching Poor tilth and compaction Restricted saturated hydraulic conductivity Root limiting
Nahon	Limited available water capacity Pesticide and nutrient leaching Poor tilth and compaction Restricted saturated hydraulic conductivity Root limiting Salt content
64: Arveson	Alkalinity Excessive saturated hydraulic conductivity High water table Lime content Pesticide and nutrient leaching Wind erosion
66: Arveson	Alkalinity Excessive saturated hydraulic conductivity High water table Lime content Pesticide and nutrient leaching Wind erosion
76: Arvilla	Alkalinity Depth to sand and gravel Excessive saturated hydraulic conductivity Limited available water capacity Pesticide and nutrient leaching Pesticide and nutrient runoff Wind erosion
118: Barnes	Pesticide and nutrient runoff
Buse	Alkalinity Lime content Pesticide and nutrient runoff Wind erosion
120: Barnes	Pesticide and nutrient runoff Slope Water erosion
Buse	Alkalinity Lime content Pesticide and nutrient runoff Slope Water erosion Wind erosion
135: Cresbard	Limited available water capacity Pesticide and nutrient runoff Poor tilth and compaction Restricted saturated hydraulic conductivity Root limiting
Barnes	Pesticide and nutrient runoff

POTENTIAL CROPLAND LIMITATION--continued
Rolette County, North Dakota

Map Symbol and Component Name	Cropland Limitations and Hazards
137: Barnes	Pesticide and nutrient runoff
Hamerly	Alkalinity High water table Lime content Pesticide and nutrient leaching Pesticide and nutrient runoff Wind erosion
167: Bearden	Alkalinity High water table Lime content Pesticide and nutrient leaching Wind erosion
169: Bearden, saline	High water table Lime content Pesticide and nutrient leaching Salt content Wind erosion
268: Bottineau	Pesticide and nutrient runoff Slope Water erosion
271: Bottineau	Pesticide and nutrient runoff Slope Water erosion
314: Buse	Alkalinity Lime content Pesticide and nutrient runoff Slope Water erosion Wind erosion
Barnes	Pesticide and nutrient runoff Slope Water erosion
318: Buse	Alkalinity Lime content Pesticide and nutrient runoff Slope Water erosion Wind erosion
Barnes	Pesticide and nutrient runoff Slope Water erosion
389: Cathay	Pesticide and nutrient leaching Pesticide and nutrient runoff Restricted saturated hydraulic conductivity
Larson	Limited available water capacity Pesticide and nutrient leaching Pesticide and nutrient runoff Restricted saturated hydraulic conductivity Root limiting Salt content

POTENTIAL CROPLAND LIMITATION--continued
Rolette County, North Dakota

Map Symbol and Component Name	Cropland Limitations and Hazards
392: Cavour	Dense layer Limited available water capacity Pesticide and nutrient runoff Poor tilth and compaction Restricted saturated hydraulic conductivity Salt content Water erosion
Cresbard	Limited available water capacity Pesticide and nutrient runoff Poor tilth and compaction Restricted saturated hydraulic conductivity Root limiting
430: Claire	Excessive saturated hydraulic conductivity Limited available water capacity Pesticide and nutrient leaching Pesticide and nutrient runoff Slope Water erosion Wind erosion
Lohnes	Excessive saturated hydraulic conductivity Limited available water capacity Pesticide and nutrient leaching Pesticide and nutrient runoff Slope Water erosion Wind erosion
450: Colvin	Alkalinity High water table Lime content Pesticide and nutrient leaching Wind erosion
451: Colvin	Alkalinity Channels Flooding High water table Lime content Pesticide and nutrient leaching Pesticide and nutrient runoff Wind erosion
452: Colvin, saline	Alkalinity High water table Lime content Pesticide and nutrient leaching Restricted saturated hydraulic conductivity Salt content Wind erosion
453: Colvin	Alkalinity High water table Lime content Pesticide and nutrient leaching Restricted saturated hydraulic conductivity Wind erosion

POTENTIAL CROPLAND LIMITATION--continued
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Map Symbol and Component Name	Cropland Limitations and Hazards
470: Cresbard	Limited available water capacity Pesticide and nutrient runoff Poor tilth and compaction Restricted saturated hydraulic conductivity Root limiting
Barnes	Pesticide and nutrient runoff
501: Dickey	Excessive saturated hydraulic conductivity Limited available water capacity Pesticide and nutrient leaching Pesticide and nutrient runoff Slope Wind erosion
Esmond	Alkalinity Lime content Pesticide and nutrient runoff Slope Water erosion Wind erosion
502: Esmond	Alkalinity Lime content Pesticide and nutrient runoff Slope Water erosion Wind erosion
Maddock	Excessive saturated hydraulic conductivity Limited available water capacity Pesticide and nutrient leaching Pesticide and nutrient runoff Slope Water erosion Wind erosion
Dickey	Excessive saturated hydraulic conductivity Limited available water capacity Pesticide and nutrient leaching Pesticide and nutrient runoff Slope Water erosion Wind erosion
510: Divide	Alkalinity Depth to sand and gravel Excessive saturated hydraulic conductivity High water table Lime content Pesticide and nutrient leaching Wind erosion
532: Eckman	Pesticide and nutrient runoff
548: Egeland	Excessive saturated hydraulic conductivity Limited available water capacity Pesticide and nutrient leaching Pesticide and nutrient runoff Wind erosion

POTENTIAL CROPLAND LIMITATION--continued
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Map Symbol and Component Name	Cropland Limitations and Hazards
569: Embden	Excessive saturated hydraulic conductivity Limited available water capacity Pesticide and nutrient leaching Wind erosion
601: Eramosh	Alkalinity Excessive saturated hydraulic conductivity High water table Pesticide and nutrient leaching
602: Eramosh	Alkalinity Excessive saturated hydraulic conductivity High water table Pesticide and nutrient leaching
605: Esmond	Alkalinity Lime content Pesticide and nutrient runoff Slope Water erosion Wind erosion
Heimdal	Pesticide and nutrient runoff Slope Water erosion
607: Esmond	Alkalinity Lime content Pesticide and nutrient runoff Slope Water erosion Wind erosion
Heimdal	Pesticide and nutrient runoff Slope Water erosion
768: Gardena	Excessive saturated hydraulic conductivity Pesticide and nutrient leaching
800: Glyndon	Alkalinity Excessive saturated hydraulic conductivity High water table Lime content Pesticide and nutrient leaching Wind erosion
846: Great bend	Pesticide and nutrient runoff
Overly	Pesticide and nutrient leaching Pesticide and nutrient runoff Restricted saturated hydraulic conductivity
863: Hamerly	Alkalinity High water table Lime content Pesticide and nutrient leaching Pesticide and nutrient runoff Wind erosion

POTENTIAL CROPLAND LIMITATION--continued
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Map Symbol and Component Name	Cropland Limitations and Hazards
864: Hamerly, saline	Alkalinity High water table Lime content Pesticide and nutrient leaching Pesticide and nutrient runoff Salt content Wind erosion
883: Hamerly	Alkalinity High water table Lime content Pesticide and nutrient leaching Pesticide and nutrient runoff Wind erosion
Tonka	High water table Pesticide and nutrient leaching Restricted saturated hydraulic conductivity
Parnell	High water table Pesticide and nutrient leaching Restricted saturated hydraulic conductivity
893: Harriet	Alkalinity Flooding High sodium content High water table Lime content Pesticide and nutrient leaching Pesticide and nutrient runoff Poor tilth and compaction Restricted saturated hydraulic conductivity Salt content Surface crusting
926: Hecla	Excessive saturated hydraulic conductivity Limited available water capacity Pesticide and nutrient leaching Pesticide and nutrient runoff Wind erosion
939: Hecla	Excessive saturated hydraulic conductivity Limited available water capacity Pesticide and nutrient leaching Pesticide and nutrient runoff Wind erosion
Hamar	Excessive saturated hydraulic conductivity High water table Pesticide and nutrient leaching Pesticide and nutrient runoff Wind erosion
987: Heimdal	Pesticide and nutrient runoff
Emrick	Pesticide and nutrient runoff
992: Heimdal	Pesticide and nutrient runoff
Emrick	Pesticide and nutrient runoff

POTENTIAL CROPLAND LIMITATION--continued
Rolette County, North Dakota

Map Symbol and Component Name	Cropland Limitations and Hazards
Esmond	Alkalinity Lime content Pesticide and nutrient runoff Wind erosion
998: Heimdal	Pesticide and nutrient runoff Slope Water erosion
Esmond	Alkalinity Lime content Pesticide and nutrient runoff Slope Water erosion Wind erosion
1013: Kelvin	Pesticide and nutrient runoff Poor tilth and compaction Slope Water erosion
1014: Kelvin	Pesticide and nutrient runoff Poor tilth and compaction Slope Water erosion
1104: Lanona	Excessive saturated hydraulic conductivity Pesticide and nutrient leaching Pesticide and nutrient runoff Wind erosion
Swenoda	Excessive saturated hydraulic conductivity Pesticide and nutrient leaching Pesticide and nutrient runoff Wind erosion
1140: Letcher	Excessive saturated hydraulic conductivity Limited available water capacity Pesticide and nutrient leaching Pesticide and nutrient runoff Restricted saturated hydraulic conductivity Root limiting Wind erosion
1182: Lohnes	Excessive saturated hydraulic conductivity Limited available water capacity Pesticide and nutrient leaching Wind erosion
1206: Maddock	Excessive saturated hydraulic conductivity Limited available water capacity Pesticide and nutrient leaching Pesticide and nutrient runoff Slope Water erosion Wind erosion
1221: Maddock	Excessive saturated hydraulic conductivity Limited available water capacity Pesticide and nutrient leaching Wind erosion

POTENTIAL CROPLAND LIMITATION--continued
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Map Symbol and Component Name	Cropland Limitations and Hazards
Hecla	Excessive saturated hydraulic conductivity Limited available water capacity Pesticide and nutrient leaching Wind erosion
1269: Marysland	Alkalinity Excessive saturated hydraulic conductivity High water table Lime content Pesticide and nutrient leaching Wind erosion
1291: Metigoshe	Depth to sand and gravel Excessive saturated hydraulic conductivity Limited available water capacity Pesticide and nutrient leaching Pesticide and nutrient runoff Slope Wind erosion
1292: Metigoshe	Depth to sand and gravel Excessive saturated hydraulic conductivity Limited available water capacity Pesticide and nutrient leaching Pesticide and nutrient runoff Slope Water erosion Wind erosion
1300: Miranda	High sodium content High water table Lime content Pesticide and nutrient leaching Poor tilth and compaction Restricted saturated hydraulic conductivity Salt content Surface crusting
Cavour	Dense layer Limited available water capacity Poor tilth and compaction Restricted saturated hydraulic conductivity Salt content
1426: Parnell	High water table Pesticide and nutrient leaching Restricted saturated hydraulic conductivity
1466: Pits, sand and gravel	Alkalinity Depth to sand and gravel Excessive saturated hydraulic conductivity Lime content Limited available water capacity Limited organic matter Pesticide and nutrient leaching Pesticide and nutrient runoff Slope Surface rock fragments Water erosion

POTENTIAL CROPLAND LIMITATION--continued
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Map Symbol and Component Name	Cropland Limitations and Hazards
1523: Renshaw	Depth to sand and gravel Excessive saturated hydraulic conductivity Lime content Limited available water capacity Pesticide and nutrient leaching Pesticide and nutrient runoff
1571: Rolla	Limited available water capacity Pesticide and nutrient runoff Poor tilth and compaction Restricted saturated hydraulic conductivity Wind erosion
1572: Rolla	Limited available water capacity Pesticide and nutrient runoff Poor tilth and compaction Restricted saturated hydraulic conductivity Slope Water erosion Wind erosion
1687: Sioux	Alkalinity Depth to sand and gravel Excessive saturated hydraulic conductivity Lime content Limited available water capacity Pesticide and nutrient leaching
1691: Sioux	Alkalinity Depth to sand and gravel Excessive saturated hydraulic conductivity Lime content Limited available water capacity Pesticide and nutrient leaching Pesticide and nutrient runoff Slope Water erosion
1709: Southam	Alkalinity High water table Lime content Pesticide and nutrient leaching Poor tilth and compaction Restricted saturated hydraulic conductivity Salt content Wind erosion
1727: Stirum	Alkalinity Excessive saturated hydraulic conductivity High water table Lime content Pesticide and nutrient leaching Poor tilth and compaction Root limiting Salt content Surface crusting Wind erosion

POTENTIAL CROPLAND LIMITATION--continued
 Rolette County, North Dakota

Map Symbol and Component Name	Cropland Limitations and Hazards
1780: Swenoda	Excessive saturated hydraulic conductivity Limited available water capacity Pesticide and nutrient leaching Wind erosion
1843: Towner	Excessive saturated hydraulic conductivity Limited available water capacity Pesticide and nutrient leaching Pesticide and nutrient runoff Wind erosion
1859: Ulen	Alkalinity Excessive saturated hydraulic conductivity High water table Pesticide and nutrient leaching Wind erosion
1871: Vallers	Alkalinity High water table Lime content Pesticide and nutrient leaching Salt content Wind erosion
1978: Water	Onsite required
2046: Wyndmere	Alkalinity Excessive saturated hydraulic conductivity High water table Lime content Pesticide and nutrient leaching Wind erosion
2059: Wyrene	Alkalinity Excessive saturated hydraulic conductivity High water table Lime content Pesticide and nutrient leaching Wind erosion

