



























Crop Productivity Index—McLeod County, Minnesota
(Orloff)

MAP LEGEND

Area of Interest (AOI)	Transportation
 Area of Interest (AOI)	 Rails
Soils	 Interstate Highways
Soil Rating Polygons	 US Routes
 ≤ 20	 Major Roads
 > 20 and ≤ 47	 Local Roads
 > 47 and ≤ 75	Background
 > 75 and ≤ 86	 Aerial Photography
 > 86 and ≤ 98	
 Not rated or not available	
Soil Rating Lines	
 ≤ 20	
 > 20 and ≤ 47	
 > 47 and ≤ 75	
 > 75 and ≤ 86	
 > 86 and ≤ 98	
 Not rated or not available	
Soil Rating Points	
 ≤ 20	
 > 20 and ≤ 47	
 > 47 and ≤ 75	
 > 75 and ≤ 86	
 > 86 and ≤ 98	
 Not rated or not available	
Water Features	
 Streams and Canals	

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: McLeod County, Minnesota
Survey Area Data: Version 14, Sep 19, 2016

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Sep 6, 2011—Sep 19, 2011

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Crop Productivity Index

Crop Productivity Index— Summary by Map Unit — McLeod County, Minnesota (MN085)				
Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
41B	Estherville sandy loam, 2 to 6 percent slopes	47	9.8	12.3%
102B	Clarion loam, 2 to 6 percent slopes	94	12.7	15.9%
392	Biscay clay loam, 0 to 2 percent slopes	70	13.9	17.5%
887B	Clarion-Swanlake complex, 2 to 6 percent slopes	92	0.4	0.5%
920B	Clarion-Estherville complex, 2 to 6 percent slopes	75	4.3	5.4%
921C2	Clarion-Storden complex, 6 to 10 percent slopes, moderately eroded	86	6.7	8.4%
960D2	Omsrud-Storden complex, 10 to 16 percent slopes, moderately eroded	73	9.0	11.4%
1095	Zook silty clay loam, 0 to 2 percent slopes, frequently flooded	20	6.1	7.6%
1834	Coland clay loam, frequently flooded	20	8.4	10.5%
L83A	Webster clay loam, 0 to 2 percent slopes	93	2.7	3.4%
L85A	Nicollet clay loam, 1 to 3 percent slopes	98	1.0	1.3%
L107A	Canisteo-Glencoe complex, 0 to 2 percent slopes	91	4.7	5.9%
Totals for Area of Interest			79.5	100.0%

Description

Crop productivity index ratings provide a relative ranking of soils based on their potential for intensive crop production. An index can be used to rate the potential yield of one soil against that of another over a period of time. Ratings range from 0 to 100. The higher numbers indicate higher production potential. The rating is not crop specific. Minnesota inquiries must use the "Map Unit Cropland Productivity Report (MN)" soils report from the Soil Reports tab under "Vegetative Productivity".

When the soils are rated, the following assumptions are made: a) adequate management, b) natural weather conditions (no irrigation), c) artificial drainage where required, d) no frequent flooding on the lower lying soils, and e) no land leveling or terracing. Even though predicted average yields will change with time, the productivity indices are expected to remain relatively constant in relation to one another over time.

Rating Options

Aggregation Method: Weighted Average

Component Percent Cutoff: None Specified

Tie-break Rule: Higher

Interpret Nulls as Zero: Yes