

# Crop Productivity Index—McLeod County, Minnesota









## MAP LEGEND

### Area of Interest (AOI)







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### Soils







#### Soil Rating Polygons

-  ≤ 87
-  > 87 and ≤ 90
-  > 90 and ≤ 91
-  > 91 and ≤ 94
-  > 94 and ≤ 98
-  Not rated or not available


#### Soil Rating Lines

-  ≤ 87
-  > 87 and ≤ 90
-  > 90 and ≤ 91
-  > 91 and ≤ 94
-  > 94 and ≤ 98
-  Not rated or not available






#### Soil Rating Points

-  ≤ 87
-  > 87 and ≤ 90
-  > 90 and ≤ 91
-  > 91 and ≤ 94
-  > 94 and ≤ 98
-  Not rated or not available

### Water Features

 Streams and Canals

### Transportation

-  Rails
-  Interstate Highways
-  US Routes
-  Major Roads
-  Local Roads

### Background

 Aerial Photography

## 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 15, Oct 4, 2017

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

Date(s) aerial images were photographed: May 17, 2011—Nov 1, 2016

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

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
102B	Clarion loam, 2 to 6 percent slopes	94	1.7	2.5%
112	Harps clay loam, 0 to 2 percent slopes	90	1.4	2.1%
L84A	Glencoe clay loam, 0 to 1 percent slopes	87	1.1	1.6%
L85A	Nicollet clay loam, 1 to 3 percent slopes	98	4.4	6.4%
L107A	Canisteo-Glencoe complex, 0 to 2 percent slopes	91	59.7	87.4%
<b>Totals for Area of Interest</b>			<b>68.3</b>	<b>100.0%</b>

## 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