

Crop Productivity Index—Le Sueur County, Minnesota (Tilley)



Map Scale: 1:6,590 if printed on A landscape (11" x 8.5") sheet.

0 50 100 200 300 Meters

0 300 600 1200 1800 Feet

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 15N WGS84




**Natural Resources
Conservation Service**

Web Soil Survey
National Cooperative Soil Survey

8/5/2015
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





MAP LEGEND

Area of Interest (AOI)






 Area of Interest (AOI)

Soils







Soil Rating Polygons

-  ≤ 51
-  > 51 and ≤ 77
-  > 77 and ≤ 87
-  > 87 and ≤ 92
-  > 92 and ≤ 98
-  Not rated or not available


Soil Rating Lines

-  ≤ 51
-  > 51 and ≤ 77
-  > 77 and ≤ 87
-  > 87 and ≤ 92
-  > 92 and ≤ 98
-  Not rated or not available






Soil Rating Points

-  ≤ 51
-  > 51 and ≤ 77
-  > 77 and ≤ 87
-  > 87 and ≤ 92
-  > 92 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: <http://websoilsurvey.nrcs.usda.gov>
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: Le Sueur County, Minnesota
Survey Area Data: Version 12, Sep 16, 2014

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

Date(s) aerial images were photographed: Mar 16, 2012—Apr 6, 2012

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 — Le Sueur County, Minnesota (MN079) | | | | |
|---|---|--------|--------------|----------------|
| Map unit symbol | Map unit name | Rating | Acres in AOI | Percent of AOI |
| 106B | Lester loam, 2 to 6 percent slopes | 92 | 4.0 | 4.6% |
| 106C2 | Lester loam, 6 to 10 percent slopes, moderately eroded | 77 | 4.9 | 5.6% |
| 106D2 | Lester loam, 10 to 16 percent slopes, moderately eroded | | 0.7 | 0.8% |
| 109 | Cordova clay loam | 87 | 26.2 | 30.0% |
| 114 | Glencoe clay loam | 86 | 4.1 | 4.7% |
| 123 | Dundas loam | 91 | 0.5 | 0.5% |
| 239B | Le Sueur clay loam, 1 to 4 percent slopes | 98 | 42.9 | 49.0% |
| 525 | Muskego soils, 0 to 1 percent slopes | 51 | 1.8 | 2.1% |
| 539 | Klossner muck, 0 to 1 percent slopes | 77 | 2.3 | 2.6% |
| Totals for Area of Interest | | | 87.4 | 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.

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