

Tables — Crop Productivity Index — Summary by Map Unit

Summary by Map Unit — Freeborn County, Minnesota (MN047)

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
104B	Hayden loam, 2 to 6 percent slopes	86	1.9	9.4%
104C	Hayden loam, 6 to 10 percent slopes	75	1.9	9.4%
106B	Lester loam, 2 to 6 percent slopes	92	5.4	26.7%
253	Maxcreek silty clay loam	88	3.1	15.1%
287	Minnetonka silty clay loam	78	0.3	1.5%
414	Hammel loam, 0 to 2 percent slopes	94	5.0	24.8%
L84A	Glencoe clay loam, 0 to 1 percent slopes	87	2.6	13.0%
<b>Totals for Area of Interest</b>			<b>20.3</b>	<b>100.0%</b>

Description — Crop Productivity Index

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 — Crop Productivity Index

Aggregation Method: Weighted Average

Component Percent Cutoff: None Specified

Tie-break Rule: Higher

Interpret Nulls as Zero: Yes