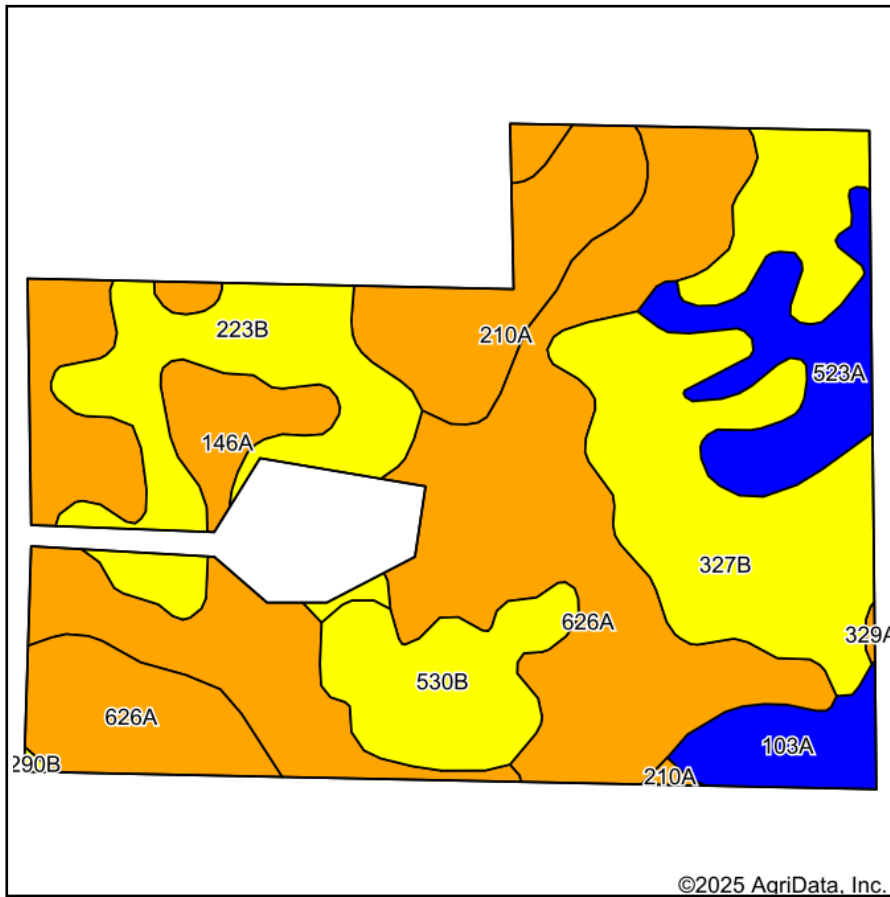
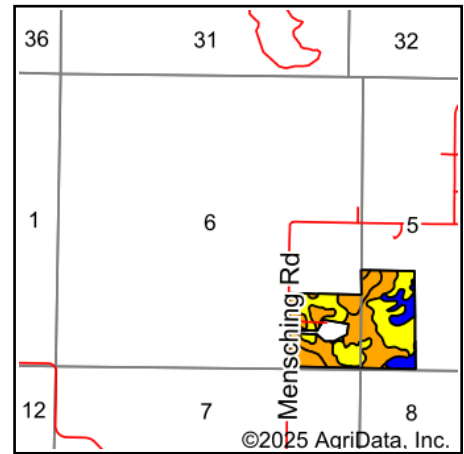


# Soils Map



Soils data provided by USDA and NRCS.



State: **Illinois**  
 County: **McHenry**  
 Location: **6-43N-7E**  
 Township: **Grafton**  
 Acres: **74.27**  
 Date: **2/13/2025**

Maps Provided By:  
  
 CUSTOMIZED ONLINE MAPPING  
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Area Symbol: IL111, Soil Area Version: 20

| Code             | Soil Description                              | Acres | Percent of field | Il. State Productivity Index Legend | Subsoil rooting <sup>a</sup> | Corn Bu/A | Soybeans Bu/A | Wheat Bu/A | Oats Bu/A <sup>b</sup> | Sorghum c Bu/A | Grass-leg ume e hay, T/A | Crop productivity index for optimum management |
|------------------|-----------------------------------------------|-------|------------------|-------------------------------------|------------------------------|-----------|---------------|------------|------------------------|----------------|--------------------------|------------------------------------------------|
| **626A           | Kish loam, 0 to 2 percent slopes              | 21.39 | 28.8%            |                                     | FAV                          | **170     | **53          | **65       | **84                   | 0              | **5.10                   | **123                                          |
| **327B           | Fox silt loam, 2 to 4 percent slopes          | 14.54 | 19.6%            |                                     | FAV                          | **148     | **48          | **58       | **72                   | 0              | **3.50                   | **108                                          |
| 146A             | Elliott silt loam, 0 to 2 percent slopes      | 11.68 | 15.7%            |                                     | FAV                          | 168       | 55            | 68         | 87                     | 0              | 5.00                     | 125                                            |
| **223B           | Varna silt loam, 2 to 4 percent slopes        | 8.25  | 11.1%            |                                     | FAV                          | **156     | **50          | **63       | **78                   | 0              | **4.90                   | **115                                          |
| 210A             | Lena muck, 0 to 2 percent slopes              | 5.68  | 7.6%             |                                     | FAV                          | 170       | 55            | 0          | 0                      | 0              | 0.00                     | 126                                            |
| **530B           | Ozaukee silt loam, 2 to 4 percent slopes      | 5.17  | 7.0%             |                                     | FAV                          | **149     | **47          | **59       | **79                   | 0              | **3.80                   | **108                                          |
| **523A           | Dunham silty clay loam, 0 to 2 percent slopes | 4.83  | 6.5%             |                                     | FAV                          | **177     | **58          | **69       | **90                   | 0              | **5.30                   | **132                                          |
| 103A             | Houghton muck, 0 to 2 percent slopes          | 2.60  | 3.5%             |                                     | FAV                          | 175       | 57            | 0          | 0                      | 0              | 0.00                     | 130                                            |
| **329A           | Will loam, 0 to 2 percent slopes              | 0.07  | 0.1%             |                                     | FAV                          | **172     | **58          | **68       | **87                   | 0              | **4.80                   | **127                                          |
| **290B           | Warsaw loam, 2 to 4 percent slopes            | 0.06  | 0.1%             |                                     | FAV                          | **156     | **50          | **62       | **79                   | 0              | **5.00                   | **116                                          |
| Weighted Average |                                               |       |                  |                                     |                              | 163       | 52.2          | 56.5       | 72.1                   | *-             | 4.1                      | 119.5                                          |

Soils data provided by USDA and NRCS. Soils data provided by University of Illinois at Champaign-Urbana.

**Table: Optimum Crop Productivity Ratings for Illinois Soil EFOTG are sourced from Bulletin 811 calculated Map Unit Base Yield Indices, and adjusted (Adj) for slope, erosion, flooding, and surface texture.** Publication Date: 02-08-2023

Crop yields and productivity (B811 EFOTG) are maintained at the following USDA web site: 2023 Illinois Soil Productivity and Yield Indices:  
<https://efotg.sc.egov.usda.gov/#!/state/IL/documents/section=2&folder=52809>

\*\* Base indexes from Bulletin 811 adjusted for slope, erosion, flooding, and surface texture according to the II. Soils EFOTG

**b** Soils in the southern region were not rated for oats and are shown with a zero "0".

**c** Soils in the northern region or in both regions were not rated for grain sorghum and are shown with a zero "0".

**e** Soils in the well drained group were not rated for grass-legume and are shown with a zero "0".