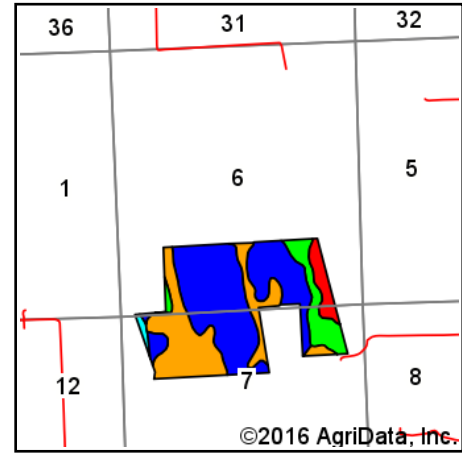
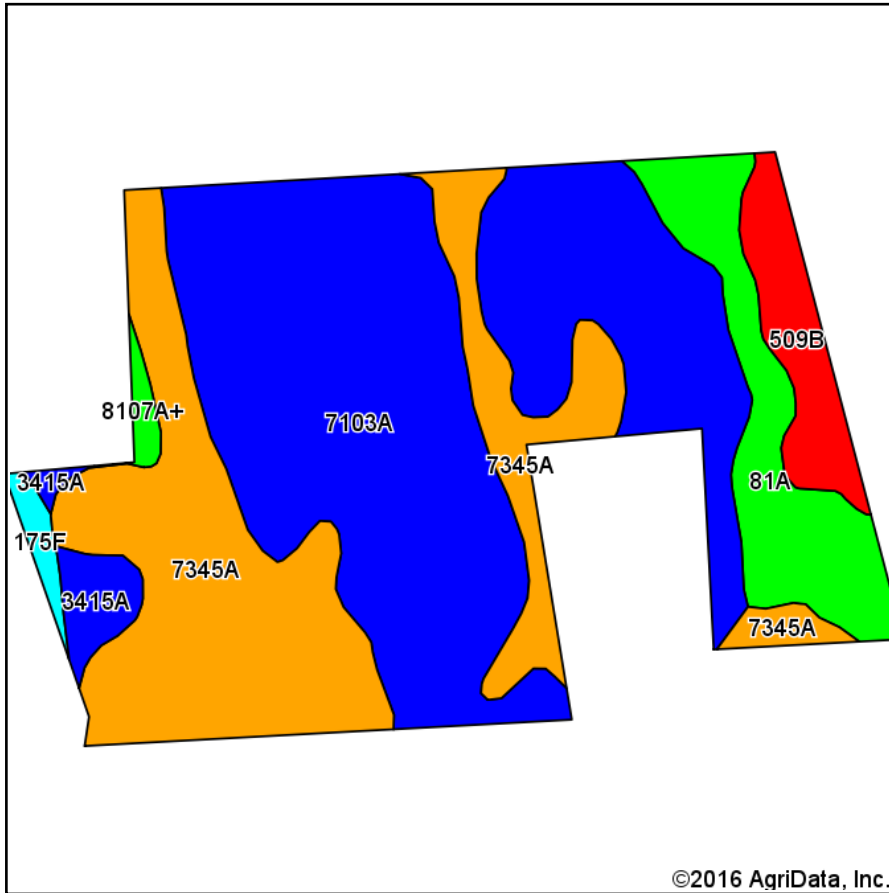


# Soils Map



State: **Illinois**  
 County: **Whiteside**  
 Location: **7-21N-4E**  
 Township: **Union Grove**  
 Acres: **181.03**  
 Date: **7/25/2016**

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Soils data provided by USDA and NRCS.

## Area Symbol: IL195, Soil Area Version: 12

Code	Soil Description	Acres	Percent of field	Il. State Productivity Index Legend	Subsoil rooting a	Corn Bu/A	Soybeans Bu/A	Wheat Bu/A	Oats Bu/A b	Sorghum c Bu/A	Alfalfa d hay, T/A	Grass-legume e hay, T/A	Crop productivity index for optimum management
7103A	Houghton muck, 0 to 2 percent slopes, rarely flooded	92.77	51.2%	Blue	FAV	175	57	0	0	0	0.00	0.00	130
7345A	Elvers silt loam, 0 to 2 percent slopes, rarely flooded	53.47	29.5%	Orange	FAV	161	51	61	79	0	0.00	4.26	118
81A	Littleton silt loam, 0 to 2 percent slopes	18.28	10.1%	Green	FAV	194	61	74	100	0	0.00	6.02	142
**509B	Whalan loam, 2 to 5 percent slopes	9.23	5.1%	Red	FAV	**122	**39	**50	**64	0	**2.98	0.00	**89
3415A	Orion silt loam, 0 to 2 percent slopes, frequently flooded	4.14	2.3%	Blue	FAV	180	57	66	89	0	0.00	5.02	131
**175F	Lamont fine sandy loam, 18 to 35 percent slopes	1.78	1.0%	Cyan	FAV	**93	**31	**38	**48	0	**2.31	0.00	**70
8107A+	Sawmill silt loam, 0 to 2 percent slopes, occasionally flooded, overwash	1.36	0.8%	Green	FAV	189	60	71	98	0	0.00	5.77	139
<b>Weighted Average</b>						<b>169.5</b>	<b>54.5</b>	<b>30.5</b>	<b>39.9</b>	<b>*</b>	<b>0.17</b>	<b>2.02</b>	<b>125.1</b>

Area Symbol: IL195, Soil Area Version: 12

**Table: Optimum Crop Productivity Ratings for Illinois Soil by K.R. Olson and J.M. Lang, Office of Research, ACES, University of Illinois at Champaign-Urbana.** Version: 1/2/2012 Amended Table S2 B811

Crop yields and productivity indices for optimum management (B811) are maintained at the following NRES web site:

<https://www.ideals.illinois.edu/handle/2142/1027/>

\*\* Indexes adjusted for slope and erosion according to Bulletin 811 Table S3

**a** UNF = unfavorable; FAV = favorable

**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".

**d** Soils in the poorly drained group were not rated for alfalfa 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".

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

\*c: Using Capabilities Class Dominant Condition Aggregation Method