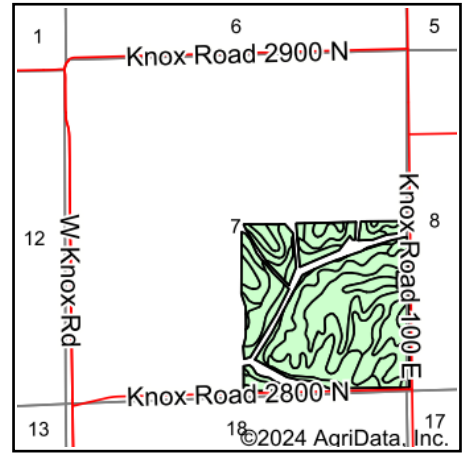


# Soils Map



Soils data provided by USDA and NRCS.



State: **Illinois**  
 County: **Knox**  
 Location: **7-13N-1E**  
 Township: **Rio**  
 Acres: **138.34**  
 Date: **1/25/2024**



Maps Provided By:



Area Symbol: IL095, Soil Area Version: 18

Code	Soil Description	Acres	Percent of field	Subsoil rooting <b>a</b>	Corn Bu/A	Soybeans Bu/A	Wheat Bu/A	Oats Bu/A <b>b</b>	Sorghum <b>c</b> Bu/A	Grass-legume hay, T/A	Crop productivity index for optimum management	*n NCCPI Soybeans
**86C2	Osco silt loam, 5 to 10 percent slopes, eroded	45.44	32.8%	FAV	**178	**56	**70	**95	0	**6.40	**131	65
**86B	Osco silt loam, 2 to 5 percent slopes	27.19	19.7%	FAV	**187	**59	**74	**100	0	**6.80	**138	78
**8cF2	Hickory silt loam, cool mesic, 18 to 35 percent slopes, eroded	20.91	15.1%	FAV	**82	**28	**34	**38	0	**2.70	**63	12
**119D2	Elco silt loam, 10 to 18 percent slopes, eroded	11.51	8.3%	FAV	**131	**43	**51	**65	0	**3.70	**97	30
**3074A	Radford silt loam, 0 to 2 percent slopes, frequently flooded	10.79	7.8%	FAV	**167	**52	**66	**89	0	**5.00	**122	66
**259D3	Assumption silty clay loam, 10 to 18 percent slopes, severely eroded	6.02	4.4%	FAV	**127	**40	**51	**65	0	**3.80	**93	48
**19D3	Sylvan silty clay loam, 10 to 18 percent slopes, severely eroded	4.82	3.5%	FAV	**118	**39	**47	**55	0	**3.20	**87	56

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

Code	Soil Description	Acres	Percent of field	Subsoil rooting <b>a</b>	Corn Bu/A	Soybeans Bu/A	Wheat Bu/A	Oats Bu/A <b>b</b>	Sorghum <b>c</b> Bu/A	Grass-legume <b>e</b> hay, T/A	Crop productivity index for optimum management	*n NCCPI Soybeans
43A	Ipava silt loam, 0 to 2 percent slopes	4.05	2.9%	FAV	191	62	77	100	0	5.90	142	77
**259C2	Assumption silt loam, 5 to 10 percent slopes, eroded	2.90	2.1%	FAV	**152	**48	**60	**77	0	**4.50	**111	66
**259D2	Assumption silt loam, 10 to 18 percent slopes, eroded	2.25	1.6%	FAV	**142	**45	**57	**72	0	**4.20	**104	59
**549D2	Marseilles silt loam, 10 to 18 percent slopes, eroded	1.95	1.4%	UNF	**118	**39	**48	**62	0	**3.00	**88	26
**86B2	Osco silt loam, 2 to 5 percent slopes, eroded	0.37	0.3%	FAV	**180	**56	**71	**96	0	**6.50	**133	65
**3107A+	Sawmill silt loam, 0 to 2 percent slopes, frequently flooded, overwash	0.14	0.1%	FAV	**172	**55	**65	**89	**1	**5.30	**126	49
<b>Weighted Average</b>					<b>154.6</b>	<b>49.3</b>	<b>61.3</b>	<b>80.6</b>	<b>*-</b>	<b>5.2</b>	<b>114.2</b>	<b>*n 55.4</b>

**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".

\*n: The aggregation method is "Weighted Average using all components"