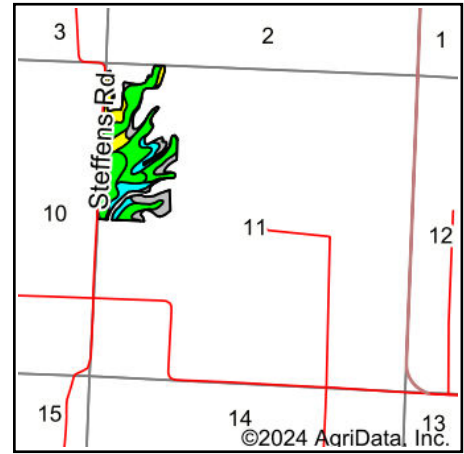
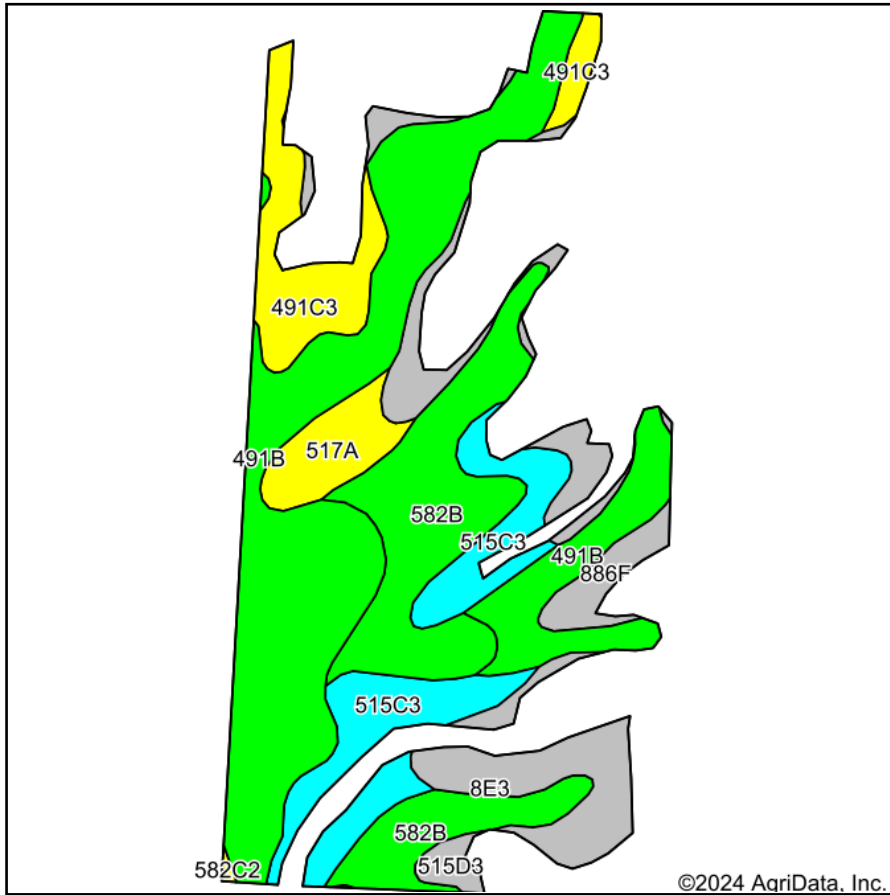


Soils Map



State: **Illinois**
 County: **Randolph**
 Location: **11-6S-7W**
 Township: **Palestine**
 Acres: **47.79**
 Date: **1/31/2024**



Soils data provided by USDA and NRCS.

Area Symbol: IL157, Soil Area Version: 17

Code	Soil Description	Acres	Percent of field	Il. State Productivity Index Legend	Subsoil rooting <i>a</i>	Corn Bu/A	Soybeans Bu/A	Wheat Bu/A	Oats Bu/A <i>b</i>	Sorghum <i>c</i> Bu/A	Grass-legume <i>e</i> hay, T/A	Crop productivity index for optimum management
**491B	Ruma silt loam, 2 to 5 percent slopes	17.92	37.5%		FAV	**159	**47	**59	0	**120	**4.80	**114
**582B	Homen silt loam, 2 to 5 percent slopes	9.48	19.8%		FAV	**149	**47	**55	0	**113	**3.80	**108
**515C3	Bunkum silty clay loam, 5 to 10 percent slopes, severely eroded	6.06	12.7%		FAV	**126	**43	**48	0	**97	**3.40	**95
**491C3	Ruma silty clay loam, 5 to 10 percent slopes, severely eroded	4.12	8.6%		FAV	**138	**41	**51	0	**104	**4.20	**99
**886F	Ruma-Ursa silt loams, 18 to 35 percent slopes	4.01	8.4%		FAV	**98	**31	**38	**18	**44	**2.00	**72
**8E3	Hickory clay loam, 18 to 25 percent slopes, severely eroded	3.57	7.5%		FAV	**81	**28	**33	**38	0	**2.70	**62
517A	Marine silt loam, 0 to 2 percent slopes	2.04	4.3%		FAV	144	45	56	0	113	3.40	104

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



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	Grass-legume ^e hay, T/A	Crop productivity index for optimum management
**515D3	Bunkum silty clay loam, 10 to 18 percent slopes, severely eroded	0.53	1.1%		FAV	**115	**40	**44	0	**89	**3.10	**87
**582C2	Homen silt loam, 5 to 10 percent slopes, eroded	0.06	0.1%		FAV	**140	**44	**52	0	**106	**3.50	**101
Weighted Average						138.9	43	52.1	4.3	98.3	3.9	101

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 Il. 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".