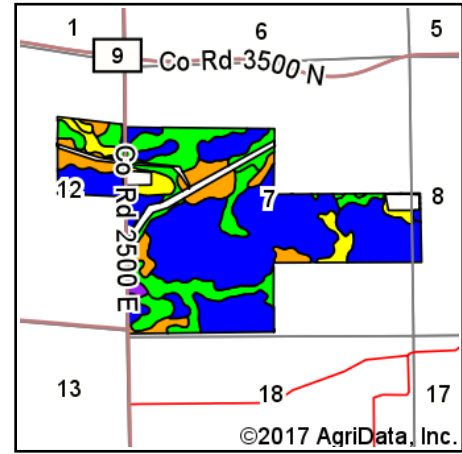
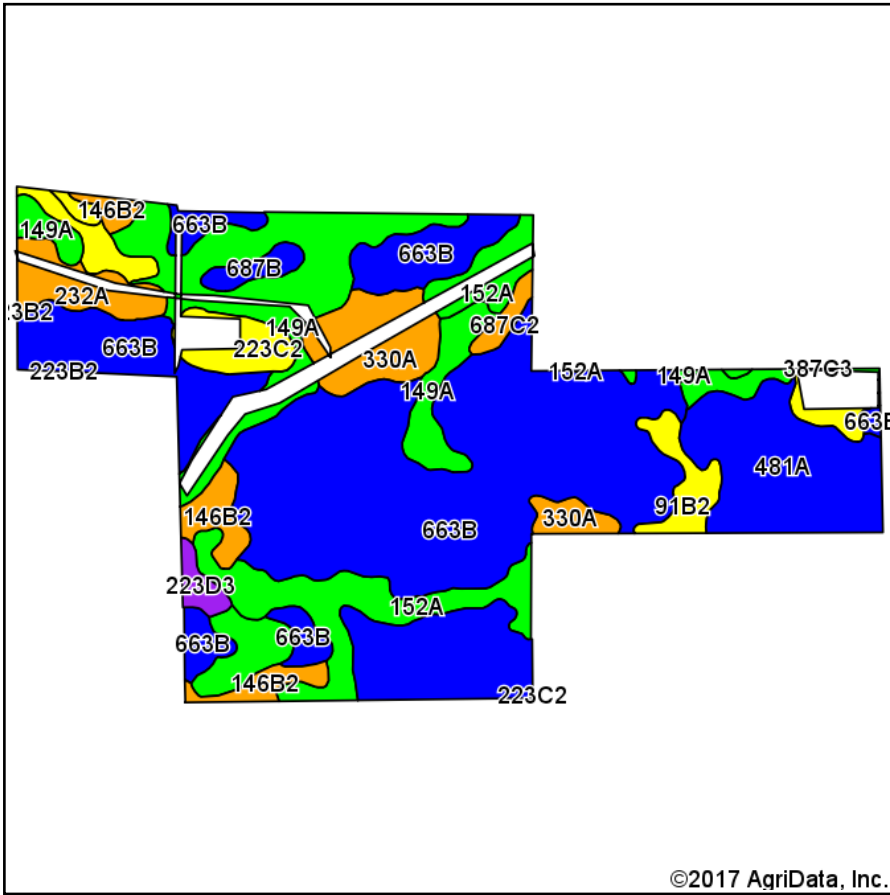


Soils Map



State: **Illinois**
 County: **Champaign**
 Location: **7-22N-14W**
 Township: **Kerr**
 Acres: **354.2**
 Date: **8/4/2017**



Maps Provided By:



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Soils data provided by USDA and NRCS.

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Area Symbol: IL019, Soil Area Version: 11

Code	Soil Description	Acres	Percent of field	Il. State Productivity Index Legend	Water Table	Restrictive Layer	Soil Drainage	Subsoil rooting a	Corn Bu/A	Soybeans Bu/A	Wheat Bu/A	Grass-legume e hay, T/A	Crop productivity index for optimum management
**663B	Clare silt loam, 2 to 5 percent slopes	173.35	48.9%		2.7ft.	> 6.5ft.	Moderately well drained	FAV	**180	**56	**69	0.00	**133
149A	Brenton silt loam, 0 to 2 percent slopes	50.99	14.4%		1.5ft.	> 6.5ft.	Somewhat poorly drained	FAV	195	60	74	5.64	141
481A	Raub silt loam, non-densic substratum, 0 to 2 percent slopes	32.59	9.2%		1.5ft.	> 6.5ft.	Somewhat poorly drained	FAV	183	58	73	5.64	134
152A	Drummer silty clay loam, 0 to 2 percent slopes	31.12	8.8%		0.5ft.	> 6.5ft.	Poorly drained	FAV	195	63	73	5.64	144
330A	Peotone silty clay loam, 0 to 2 percent slopes	16.28	4.6%		0.5ft.	> 6.5ft.	Very poorly drained	FAV	164	55	61	5.02	123
**146B2	Elliott silty clay loam, 2 to 4 percent slopes, eroded	11.09	3.1%		1.5ft.	2.6ft. (Densic material)	Somewhat poorly drained	FAV	**160	**52	**65	**4.77	**119
232A	Ashkum silty clay loam, 0 to 2 percent slopes	8.28	2.3%		0.5ft.	> 6.5ft.	Poorly drained	FAV	170	56	65	5.14	127
**223C2	Varna silt loam, 4 to 6 percent slopes, eroded	7.21	2.0%		2.7ft.	4.1ft. (Densic material)	Moderately well drained	FAV	**150	**48	**61	0.00	**110

**91B2	Swygart silty clay loam, 2 to 4 percent slopes, eroded	6.63	1.9%		1.5ft.	4ft. (Densic material)	Somewhat poorly drained	UNF	**147	**48	**59	**4.20	**110
**223B2	Varna silt loam, 2 to 4 percent slopes, eroded	4.99	1.4%		2.7ft.	3.2ft. (Densic material)	Moderately well drained	FAV	**150	**48	**61	0.00	**110
**687B	Penfield loam, 2 to 5 percent slopes	3.41	1.0%		4.7ft.	> 6.5ft.	Well drained	FAV	**172	**56	**70	**5.71	**129
**223D3	Varna silty clay loam, 6 to 12 percent slopes, severely eroded	2.87	0.8%		2.7ft.	1.7ft. (Densic material)	Moderately well drained	FAV	**136	**43	**55	0.00	**100
**570B	Martinsville silt loam, 2 to 5 percent slopes	2.55	0.7%		> 6.5ft.	> 6.5ft.	Well drained	FAV	**153	**49	**62	0.00	**113
**687C2	Penfield loam, 5 to 10 percent slopes, eroded	2.54	0.7%		4.7ft.	> 6.5ft.	Well drained	FAV	**162	**53	**66	**5.37	**121
3107A	Sawmill silty clay loam, 0 to 2 percent slopes, frequently flooded	0.21	0.1%		0.5ft.	> 6.5ft.	Poorly drained	FAV	189	60	71	5.77	139
**387C3	Ockley clay loam, 5 to 10 percent slopes, severely eroded	0.09	0.0%		> 6.5ft.	> 6.5ft.	Well drained	FAV	**134	**42	**52	0.00	**99
Weighted Average									179.7	56.6	69.2	2.50	132.4

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

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

*c: Using Capabilities Class Dominant Condition Aggregation Method

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