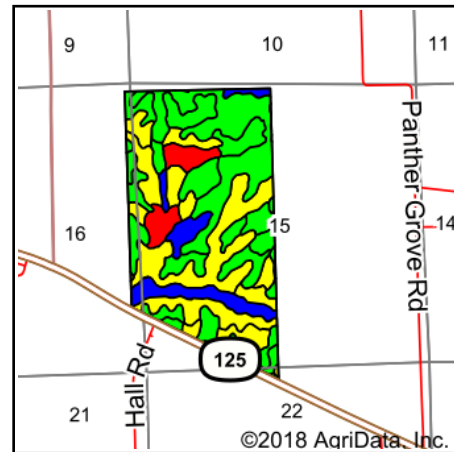
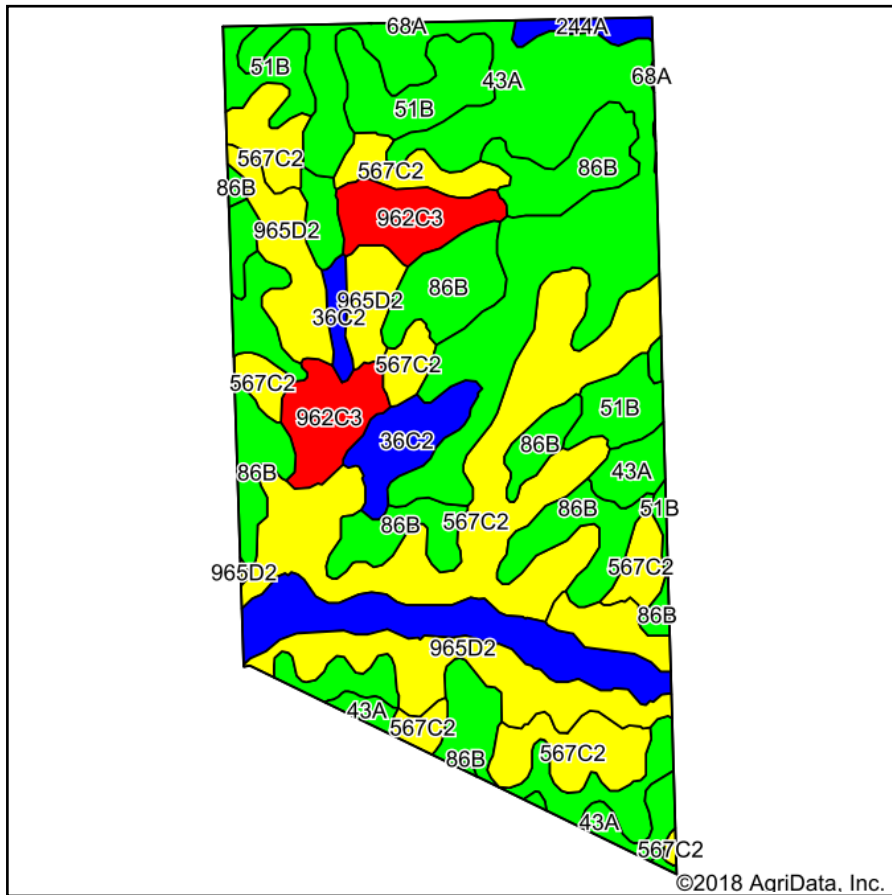


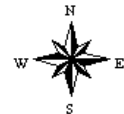
Pleasant Plains - Philadelphia Soils Map



State: **Illinois**
 County: **Cass**
 Location: **15-17N-9W**
 Township: **Philadelphia**
 Acres: **286.51**
 Date: **7/10/2018**



Maps Provided By:



Soils data provided by USDA and NRCS.

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Area Symbol: IL017, Soil Area Version: 13

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-le gume e hay, T/A	Crop productivity index for optimum management
**567C2	Elkhart silt loam, 5 to 10 percent slopes, eroded	67.43	23.5%		FAV	**159	**50	**60	**76	0	**4.90	0.00	**116
43A	Ipava silt loam, 0 to 2 percent slopes	64.15	22.4%		FAV	191	62	77	100	0	0.00	5.90	142
**86B	Osco silt loam, 2 to 5 percent slopes	58.81	20.5%		FAV	**189	**59	**74	**101	0	**6.83	0.00	**140
**965D2	Tallula-Bold silt loams, 10 to 18 percent slopes, eroded	32.52	11.4%		FAV	**152	**45	**56	**74	0	0.00	**4.25	**109
**51B	Muscataune silt loam, 2 to 5 percent slopes	20.13	7.0%		FAV	**198	**63	**74	**103	**137	0.00	**5.96	**146
**962C3	Sylvan-Bold Complex, 5 to 10 percent slopes, severely eroded	16.08	5.6%		FAV	**132	**40	**51	**61	0	0.00	**3.58	**95
3074A	Radford silt loam, 0 to 2 percent slopes, frequently flooded	15.77	5.5%		FAV	186	58	73	99	0	0.00	5.52	136
**36C2	Tama silt loam, 5 to 10 percent slopes, eroded	9.10	3.2%		FAV	**174	**56	**68	**91	0	**6.76	0.00	**129
244A	Hartsburg silty clay loam, 0 to 2 percent slopes	2.35	0.8%		FAV	182	59	68	89	0	0.00	5.39	134
68A	Sable silty clay loam, 0 to 2 percent slopes	0.17	0.1%		FAV	192	63	74	99	0	0.00	5.77	143
Weighted Average						174.9	55	67.7	89.2	9.6	2.77	2.77	128.6

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: <http://soilproductivity.nres.illinois.edu/>

** 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".

*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.