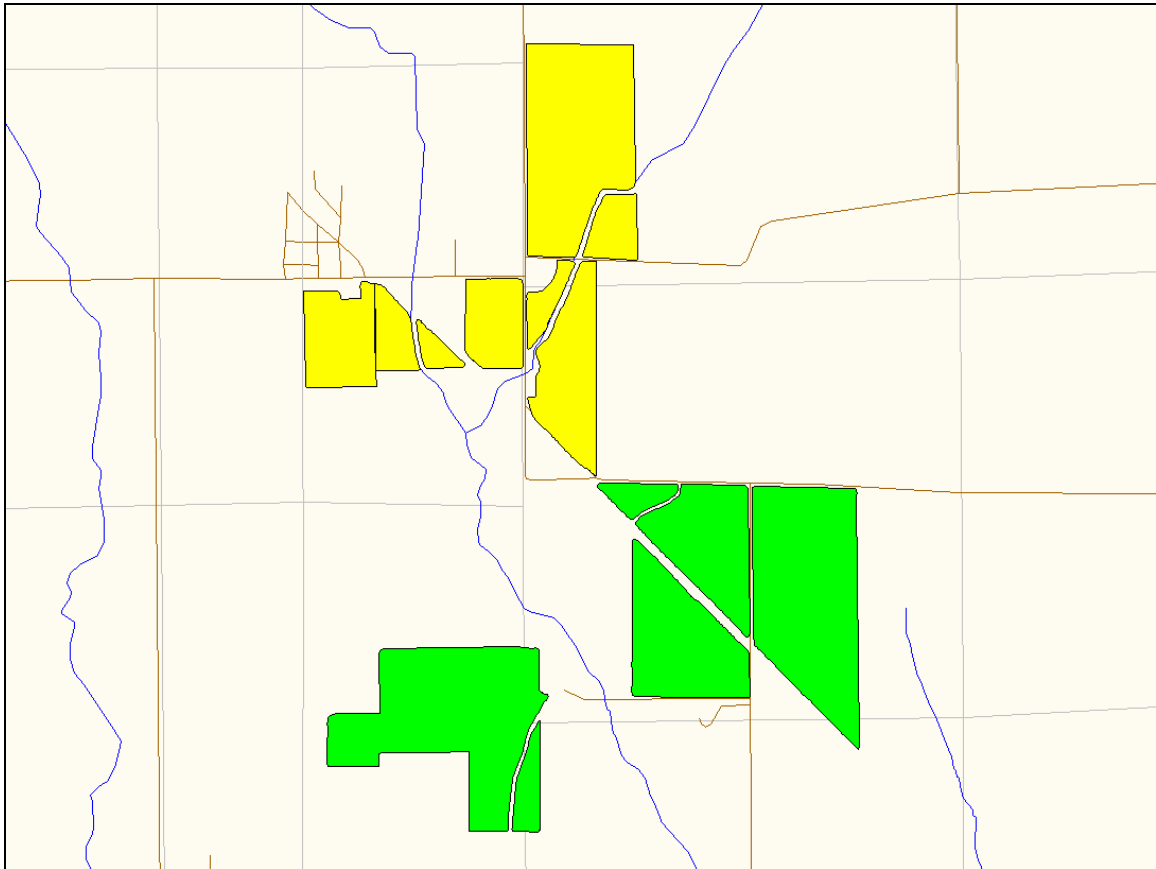


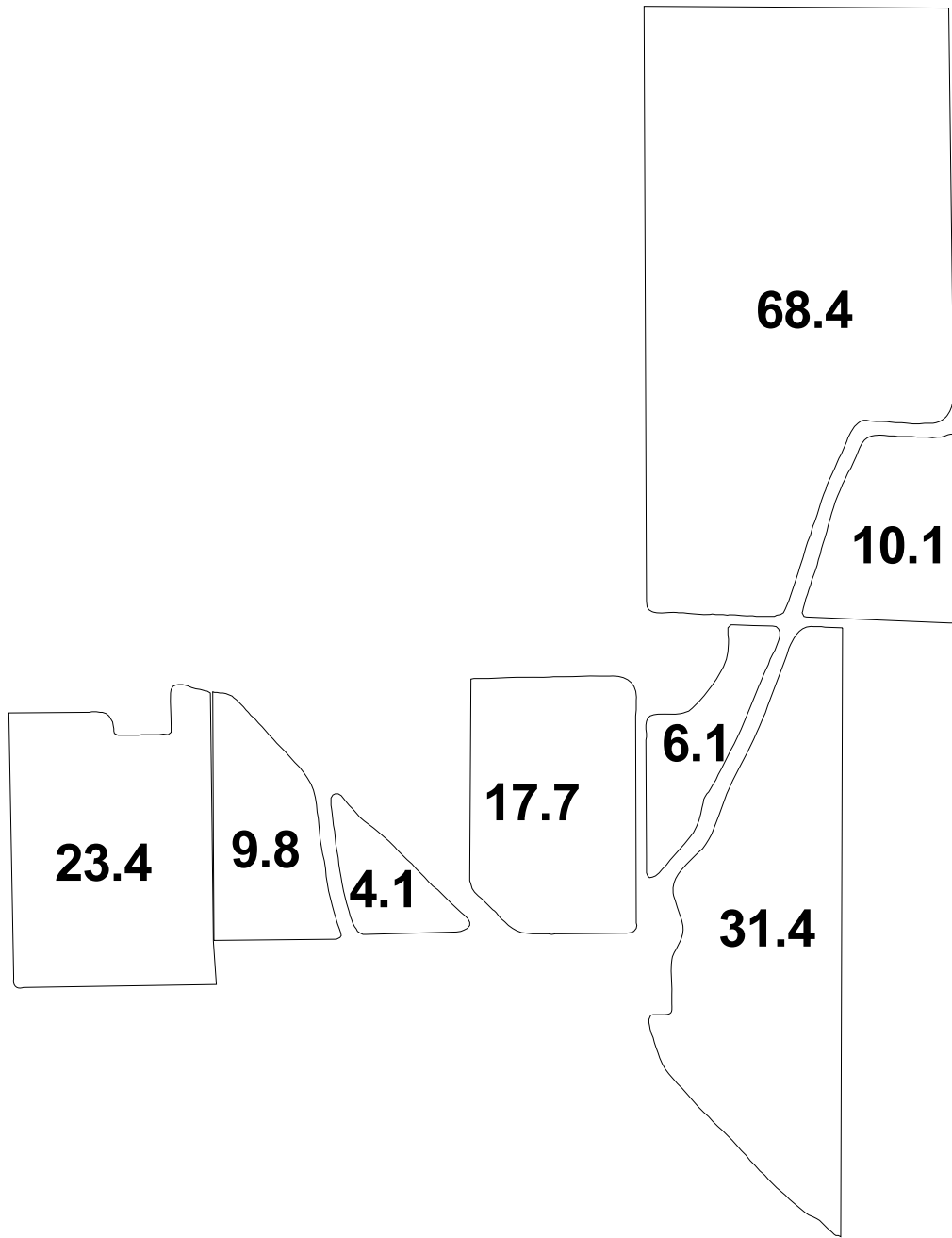
**First Financial Bank**  
**Soil Test Report**  
**2018**



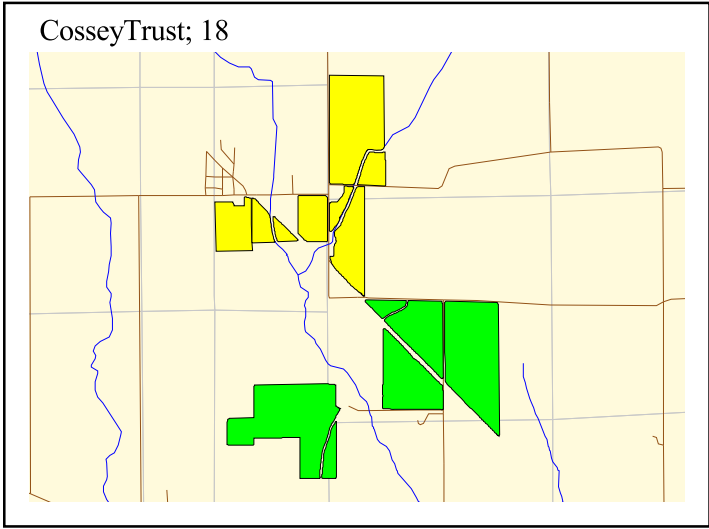
**Cossey North**  
**#8074**

**170.7A sec18,19,28 HIGHLAND**

8074CosseyNorth; 18 (170.92 ac.)

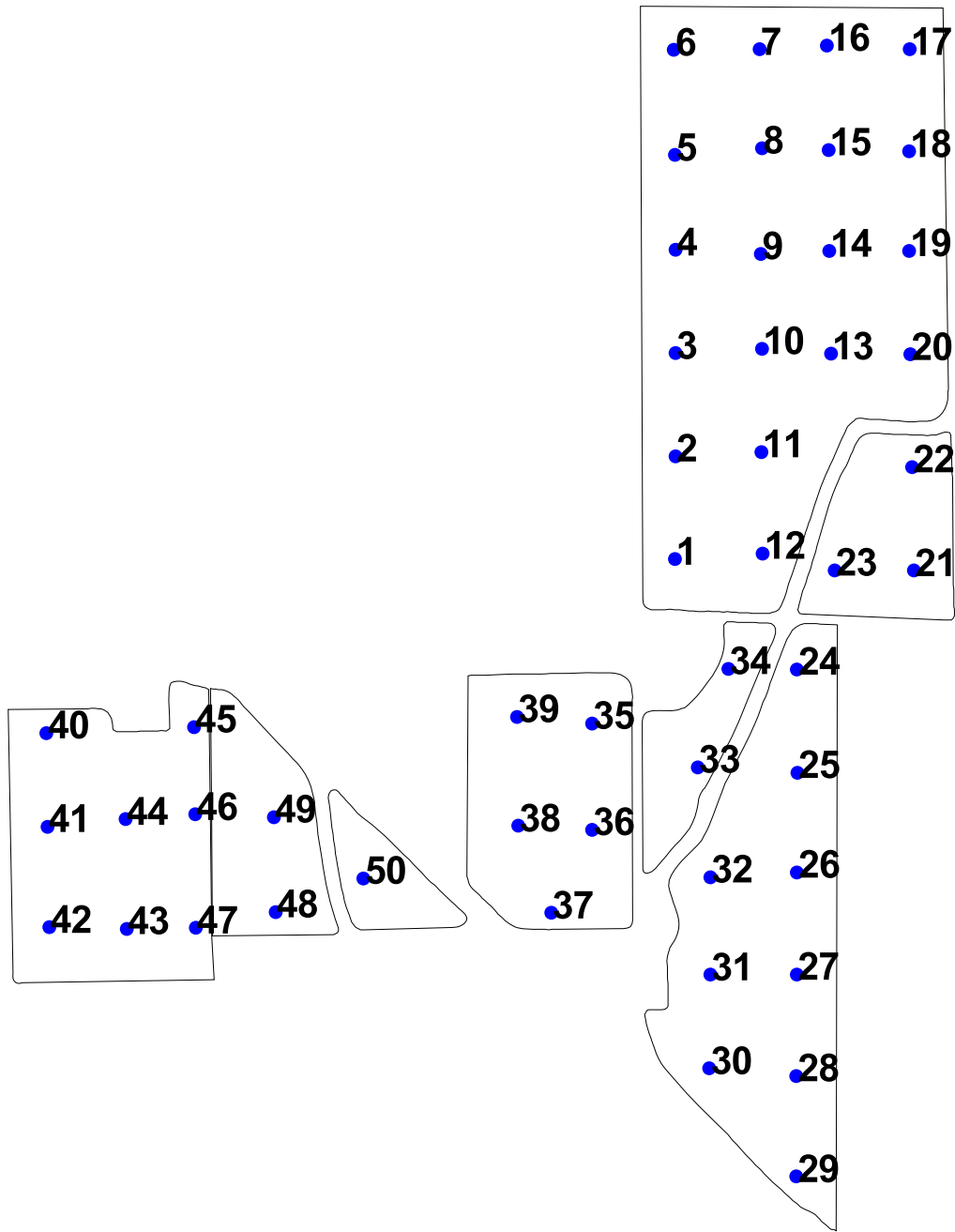


(170.7ac.)Field Boundary

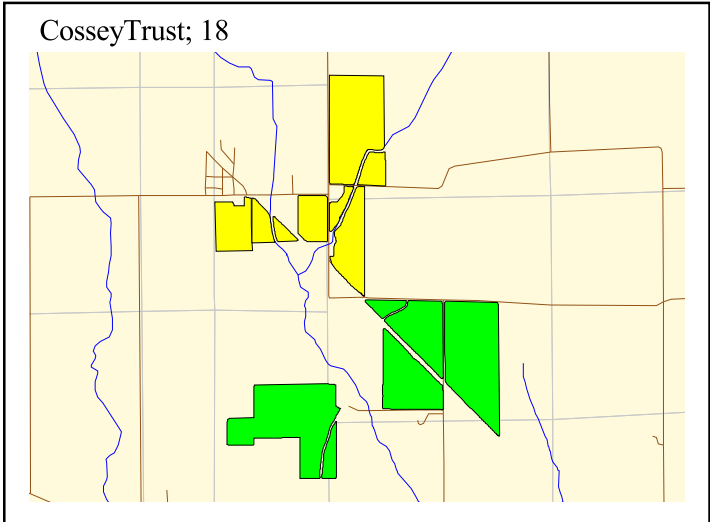


Date: Apr 17, 2018  
Field Name: 8074CosseyNorth; 18  
Location: Vermillion Co., Vermilion Co., Illinois, U.S.  
Farm Name: CosseyTrust  
Client Name: First Financial Danville  
Total Acres: 170.92  
Field Boundary Start Location:  
Latitude: 40.08238658  
Longitude: -87.49010584

# 8074CosseyNorth; 18 (170.92 ac.)

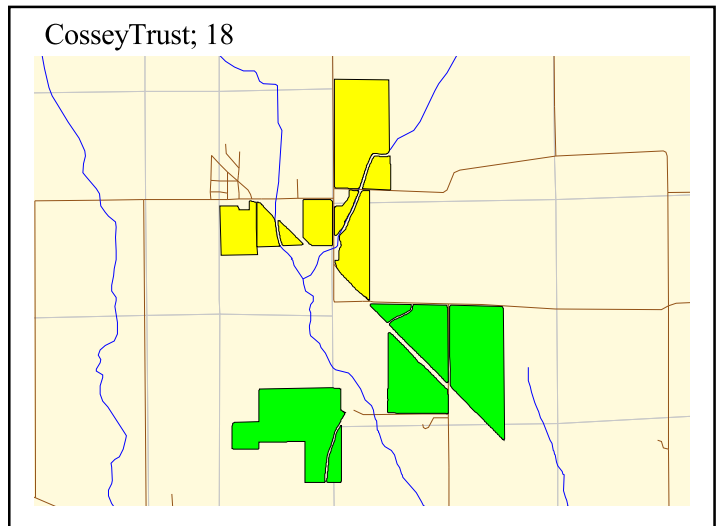
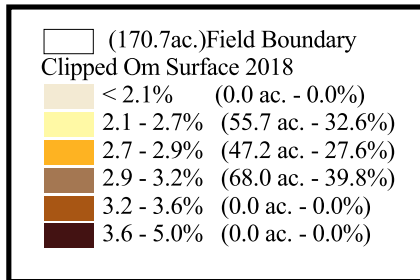
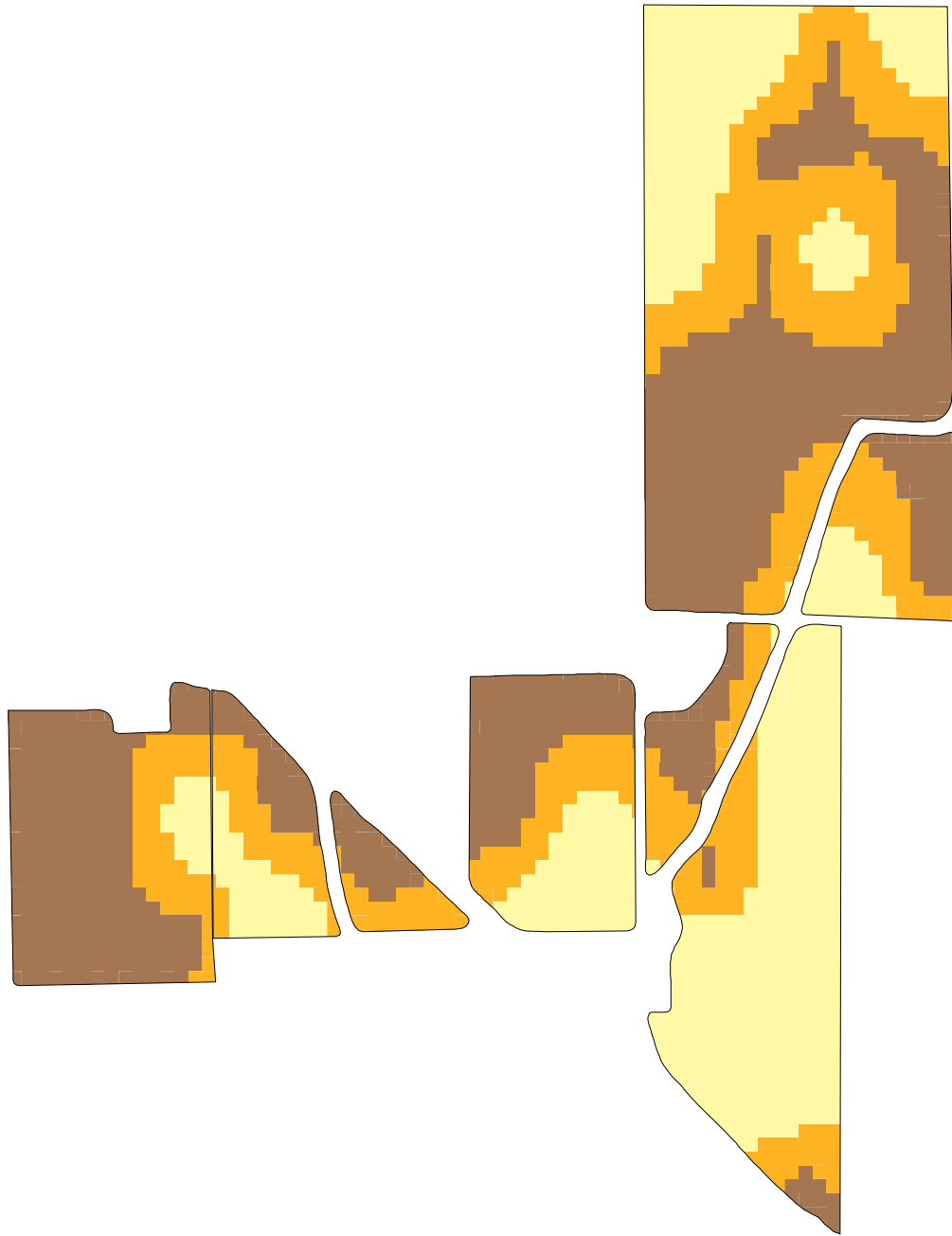


□ (170.7ac.)Field Boundary  
● 8074 Soil Test 2018

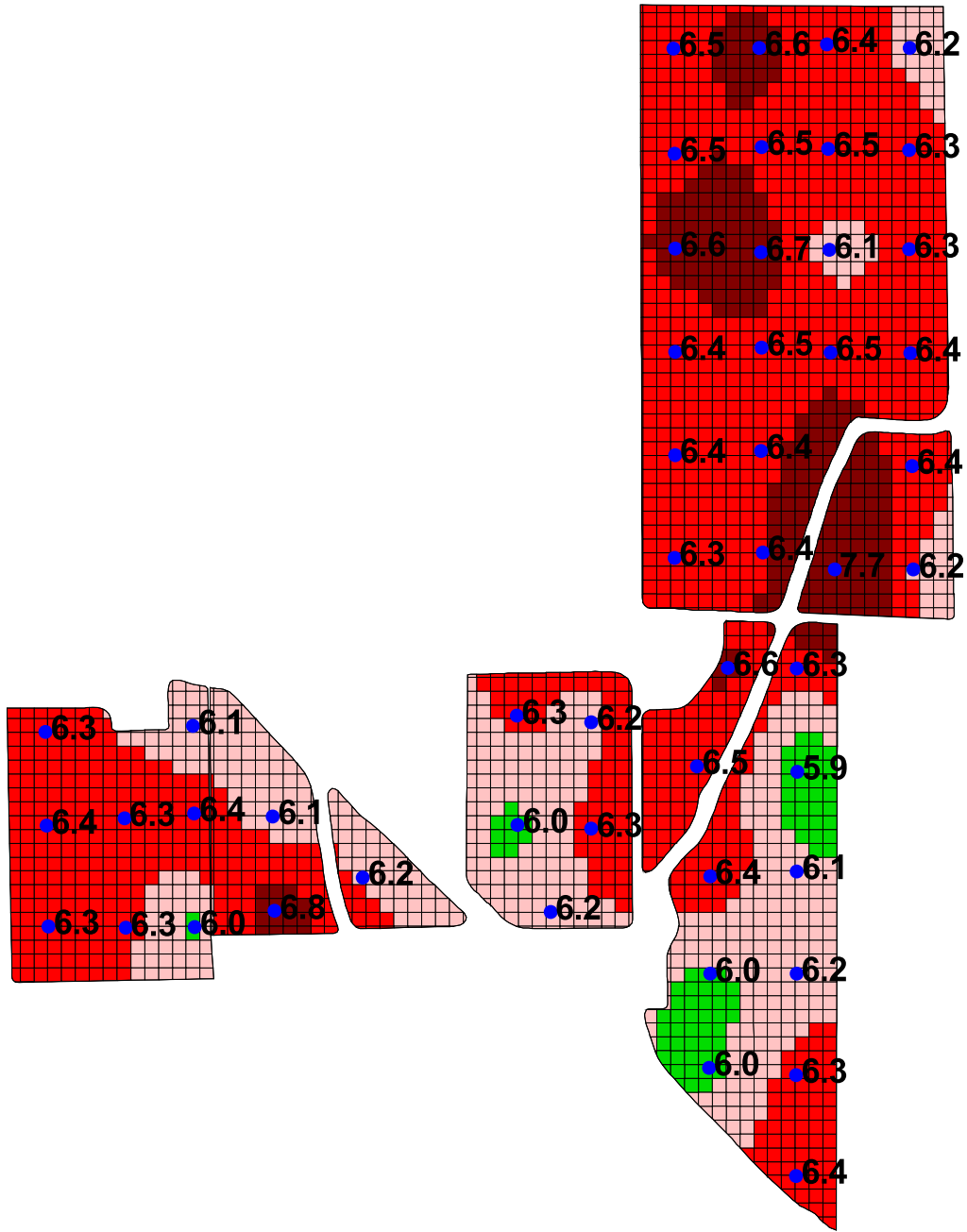


Date: Apr 17, 2018  
Field Name: 8074CosseyNorth; 18  
Location: Vermillion Co., Vermillion Co., Illinois, U.S.  
Farm Name: CosseyTrust  
Client Name: First Financial Danville  
Total Acres: 170.92  
Field Boundary Start Location:  
Latitude: 40.08238658  
Longitude: -87.49010584

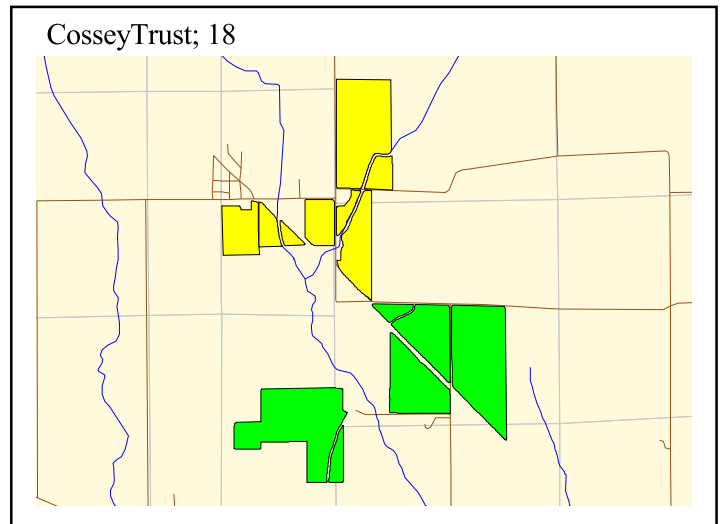
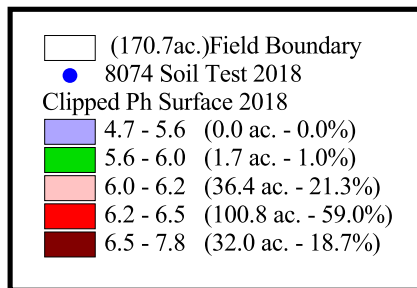
# 8074CosseyNorth; 18 (170.92 ac.)



Date: Apr 17, 2018  
Field Name: 8074CosseyNorth; 18  
Location: Vermillion Co., Vermilion Co., Illinois, U.S.  
Farm Name: CosseyTrust  
Client Name: First Financial Danville  
Total Acres: 170.92  
Field Boundary Start Location:  
Latitude: 40.08238658  
Longitude: -87.49010584

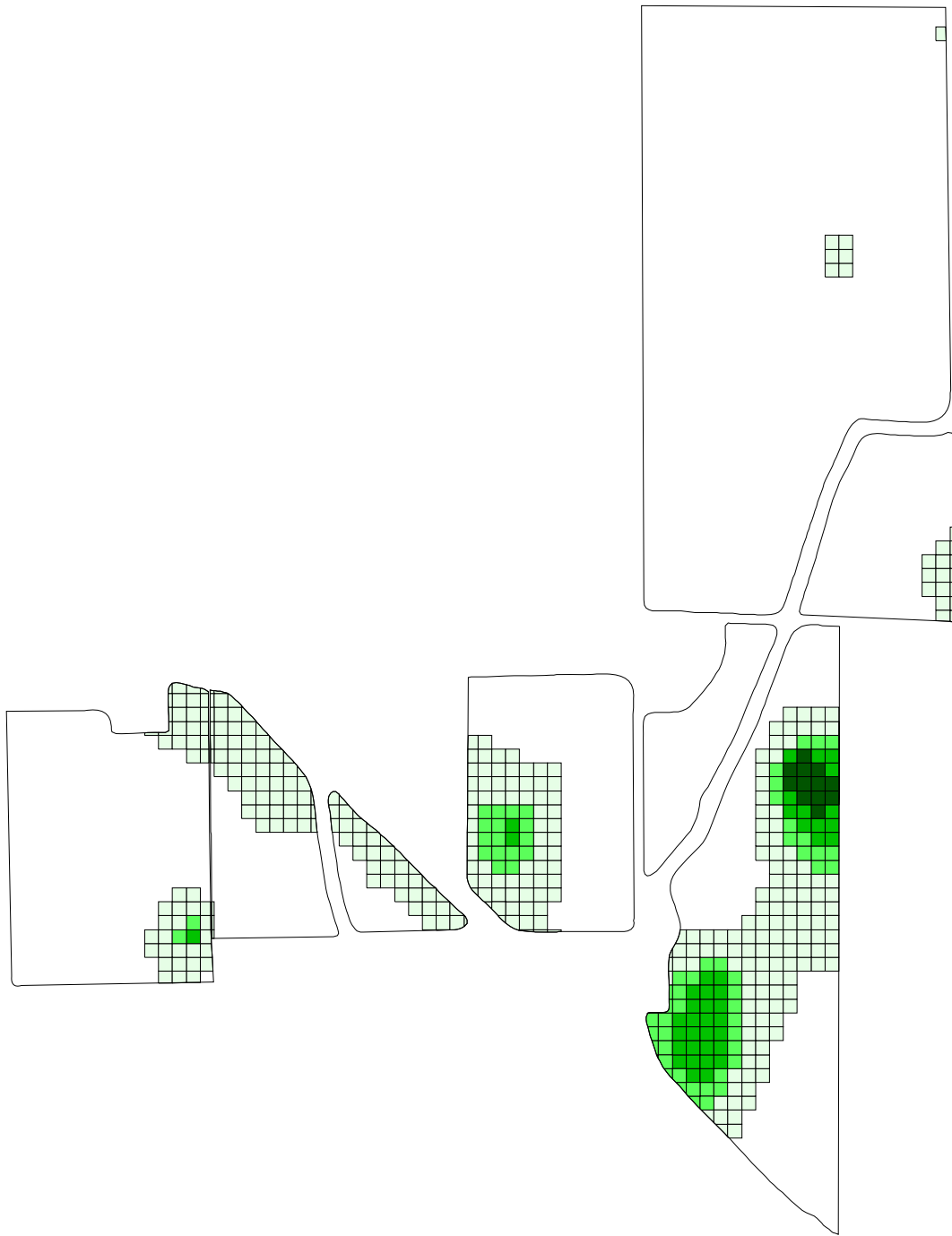


**AVE 6.4**



Date: Apr 17, 2018  
 Field Name: 8074CosseyNorth; 18  
 Location: Vermillion Co., Vermillion Co., Illinois, U.S.  
 Farm Name: CosseyTrust  
 Client Name: First Financial Danville  
 Total Acres: 170.92  
 Field Boundary Start Location:  
 Latitude: 40.08238658  
 Longitude: -87.49010584

# 8074CosseyNorth; 18 (170.92 ac.) - AgLime Recommendation

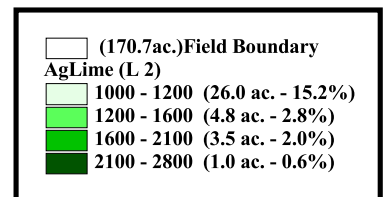


Equation Used: L 2

Date: Apr 17, 2018  
 Field Name: 8074CosseyNorth; 18  
 Farm Name: CosseyTrust  
 Client Name: First Financial Danville  
 Location: Vermillion Co., Vermilion Co., Illinois, U.S.  
 Total Acres: 170.92  
 Field Boundary Start Location:  
 Latitude: 40.08238658  
 Longitude: -87.49010584

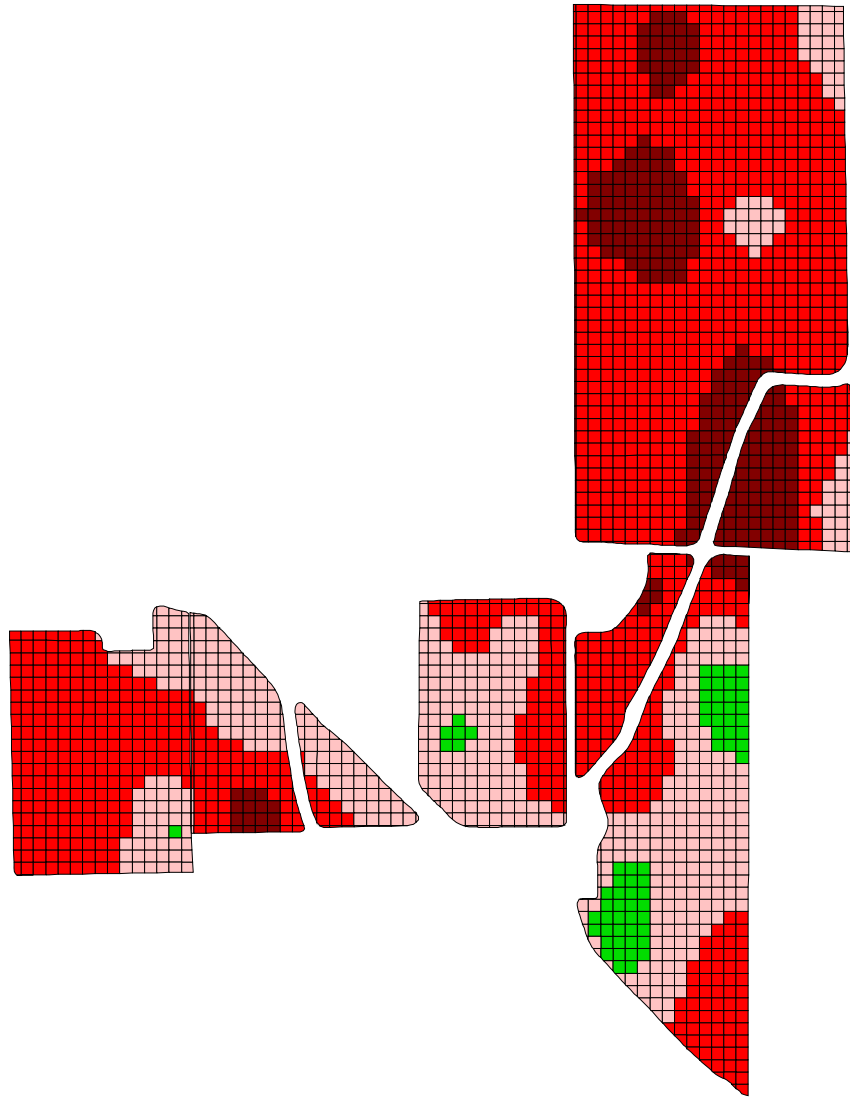
Application Estimates:  
 Product: AgLime  
 Min. Rate: 1000.0 Lbs/ac.  
 Max. Rate: 2800.0 Lbs/ac.  
 Avg. Rate: 1184.3 Lbs/ac.  
 Total AgLime: 21.06 Tons  
 Total Lime (100%): 21.06 Tons  
 Product Price per ton: \$23.00  
 Product Cost: \$484.38  
 Number of Acres to be Applied: 35.27 Acres  
 Per Acre Application Charge: \$0.00  
 Anticipated Application Charge: \$0.00  
 Total Cost: \$484.38  
 Cost per Applied Acre: \$13.73  
 Total Acre Cost: \$2.83

**AVE 246.4 lbs/ac**

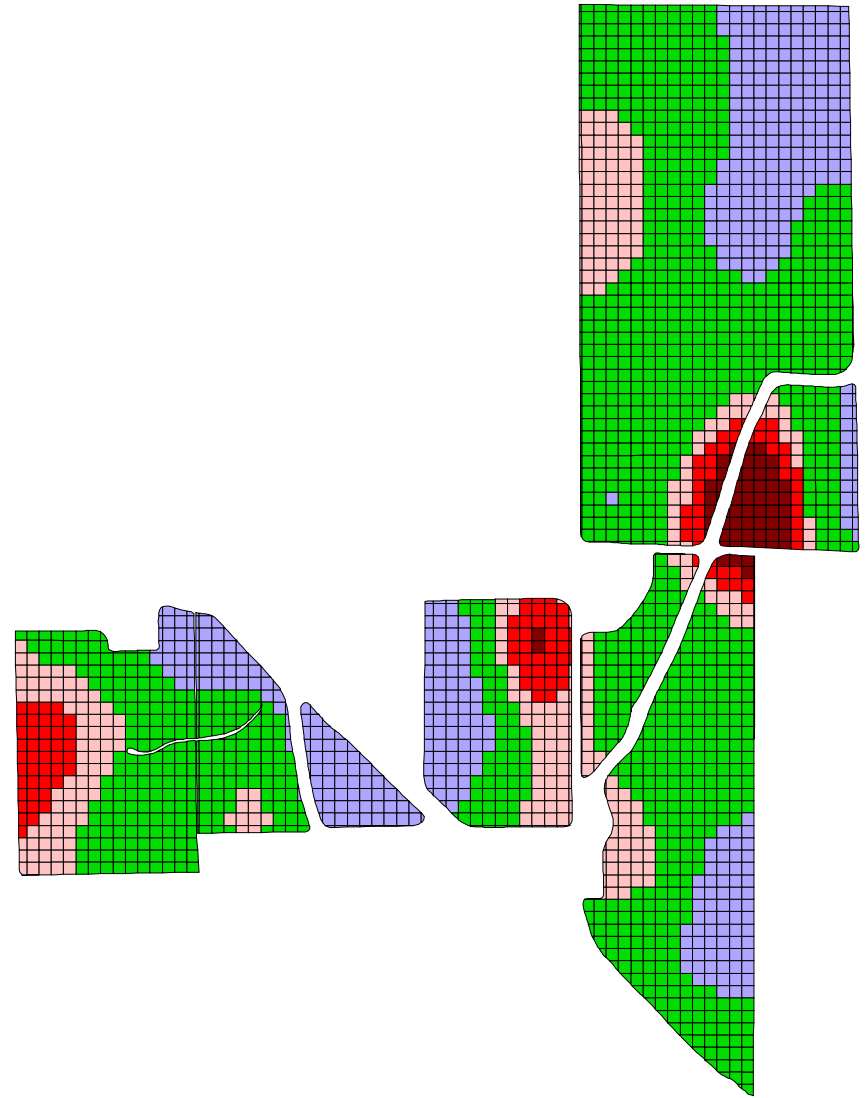


# 8074CosseyNorth; 18 (170.92 ac.)

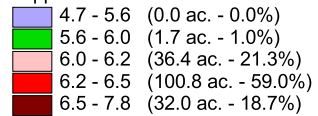
Clipped Ph Surface 2018



Clipped pH Surface 2014



Clipped Ph Surface 2018

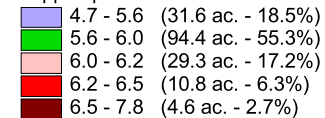


**Date:** Apr 17, 2018  
**Field Name:** 8074CosseyNorth; 18  
**Location:** Vermillion Co., Vermilion Co., Illinois, U.S.  
**Farm Name:** CosseyTrust  
**Client Name:** First Financial Danville  
**Total Acres:** 170.92  
**Field Boundary Start Location:**  
**Latitude:** 40.08238658  
**Longitude:** -87.49010584

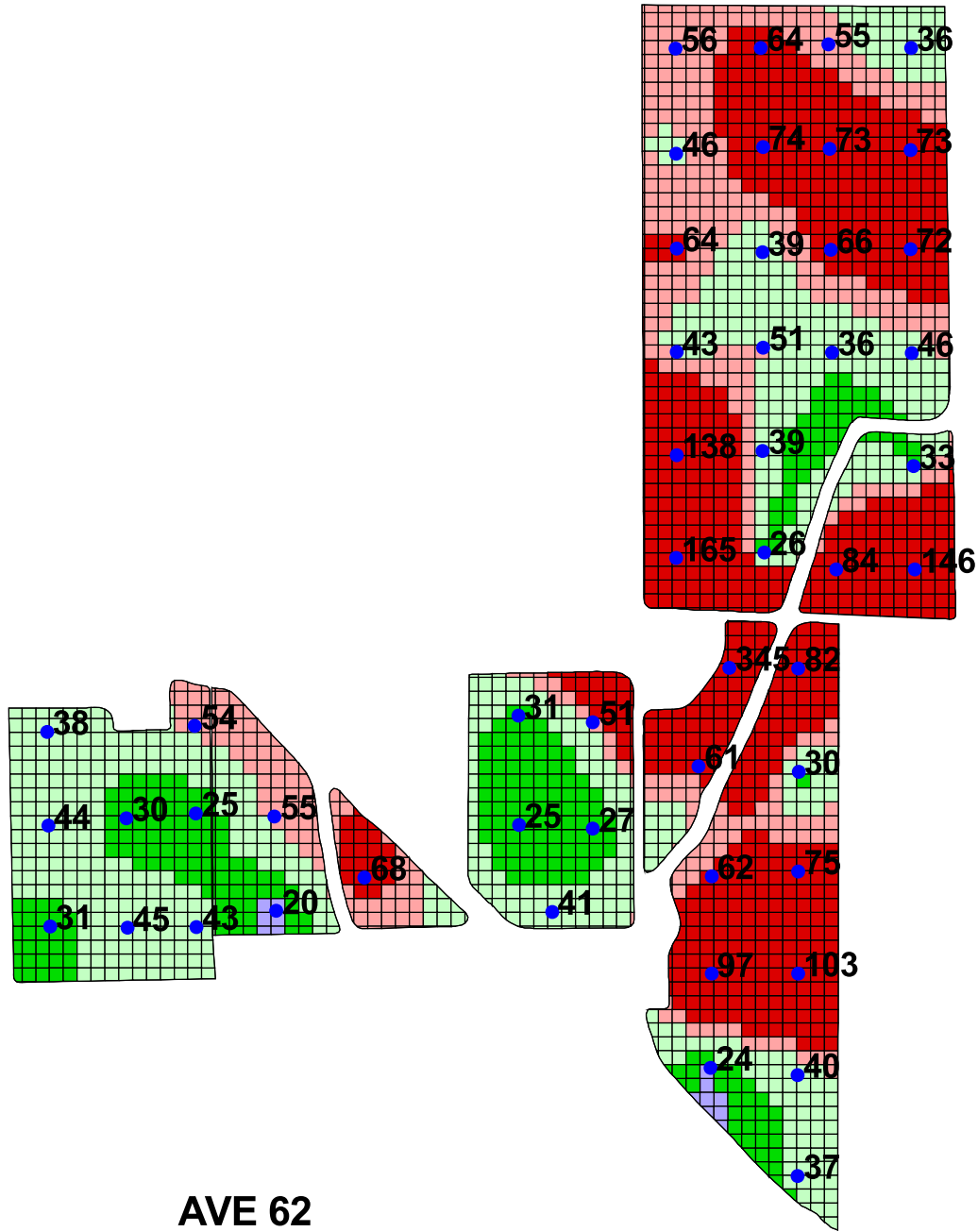
**Ph Stats:**  
**No. of Observations:** 2384  
**Minimum Ph:** 5.9  
**Maximum Ph:** 7.6  
**Average Ph:** 6.3

**Ph Stats:**  
**No. of Observations:** 2395  
**Minimum Ph:** 5.3  
**Maximum Ph:** 7.6  
**Average Ph:** 5.9

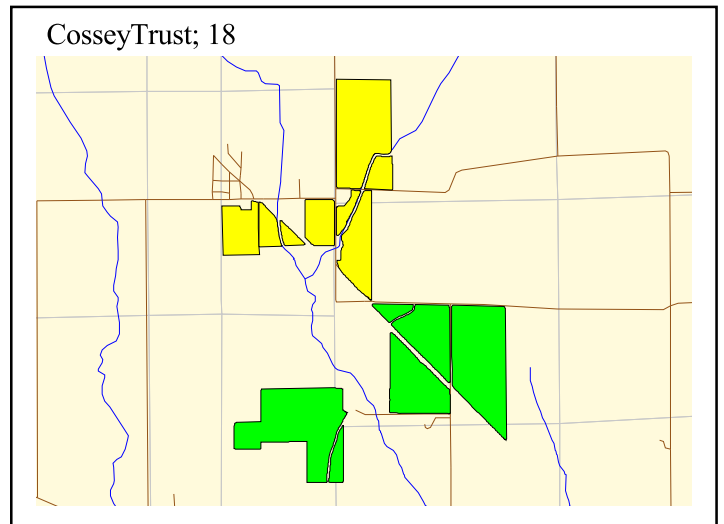
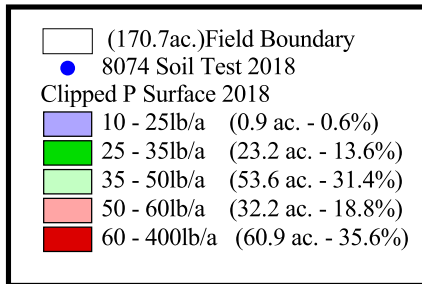
Clipped pH Surface 2014



# 8074CosseyNorth; 18 (170.92 ac.)



## AVE 62



Date: Apr 17, 2018  
 Field Name: 8074CosseyNorth; 18  
 Location: Vermillion Co., Vermilion Co., Illinois, U.S.  
 Farm Name: CosseyTrust  
 Client Name: First Financial Danville  
 Total Acres: 170.92  
 Field Boundary Start Location:  
 Latitude: 40.08238658  
 Longitude: -87.49010584



# 8074CosseyNorth; 18 (170.92 ac.) - TSP Recommendation



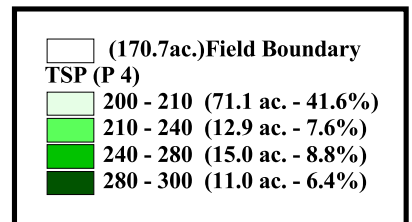
Equation Used: P 4

Date: Apr 17, 2018  
 Field Name: 8074CosseyNorth; 18  
 Farm Name: CosseyTrust  
 Client Name: First Financial Danville  
 Location: Vermillion Co., Vermilion Co., Illinois, U.S.  
 Total Acres: 170.92  
 Field Boundary Start Location:  
 Latitude: 40.08238658  
 Longitude: -87.49010584

### Application Estimates:

Product: TSP  
 Min. Rate: 200.0 Lbs/ac.  
 Max. Rate: 300.0 Lbs/ac.  
 Avg. Rate: 221.5 Lbs/ac.  
 Total TSP: 12.23 Tons  
 Total P (45%): 5.50 Tons  
 Total Total (100%): 12.23 Tons  
 Product Price per ton: \$550.00  
 Product Cost: \$6726.50  
 Number of Acres to be Applied: 109.96 Acres  
 Per Acre Application Charge: \$3.00  
 Anticipated Application Charge: \$329.88  
 Total Cost: \$7056.38  
 Cost per Applied Acre: \$64.17  
 Total Acre Cost: \$41.28

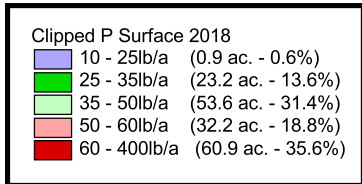
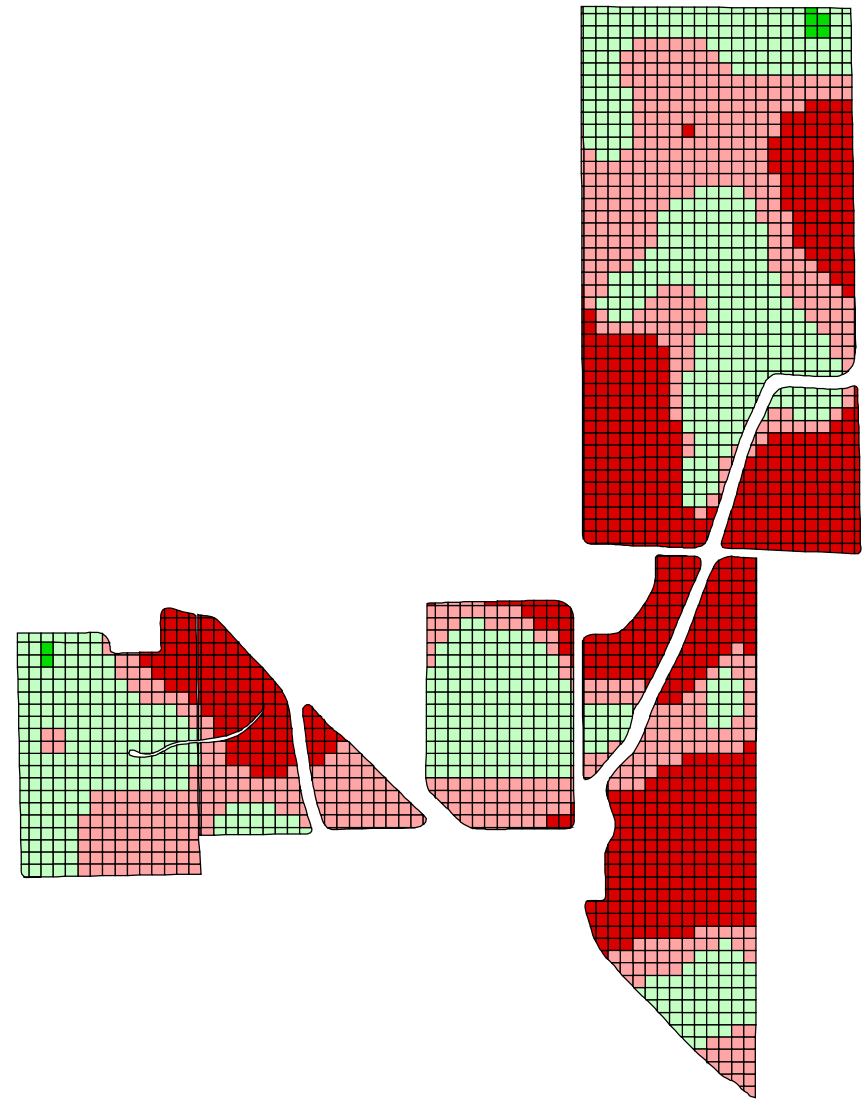
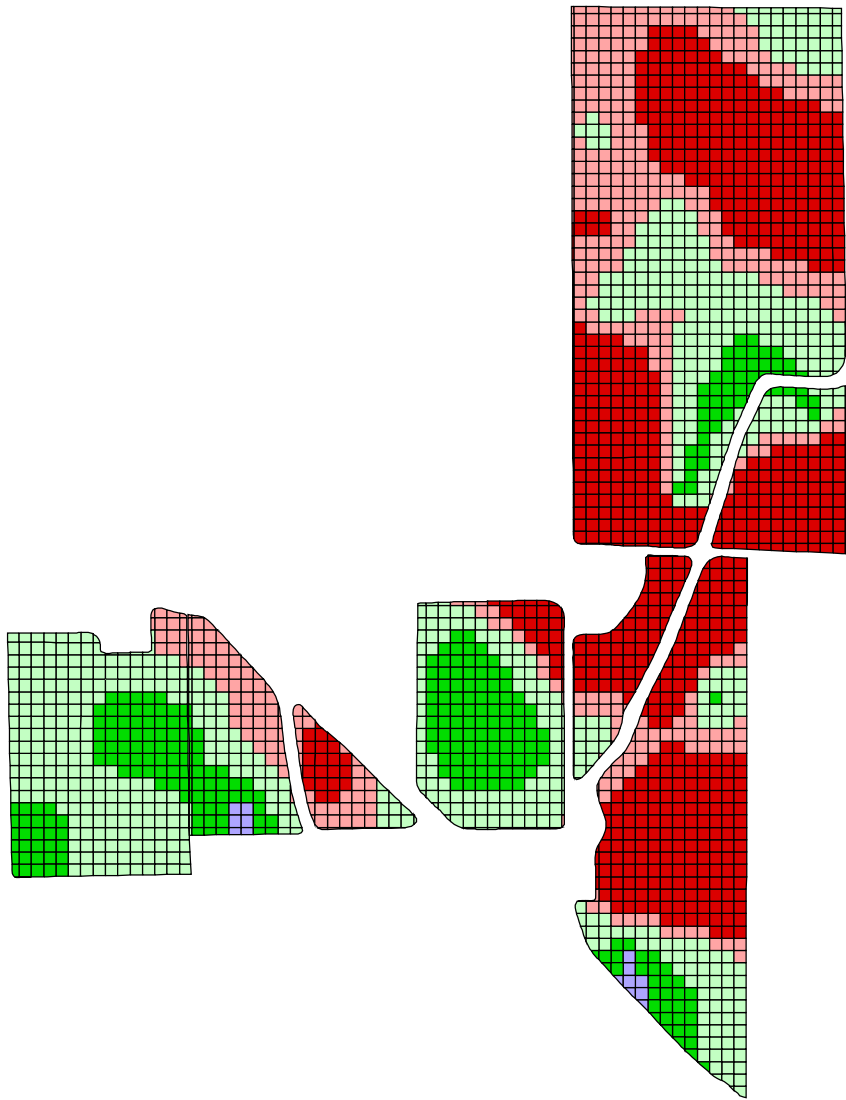
**AVE 143.1 lbs/ac**



# 8074CosseyNorth; 18 (170.92 ac.)

Clipped P Surface 2018

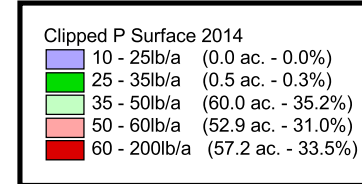
Clipped P Surface 2014



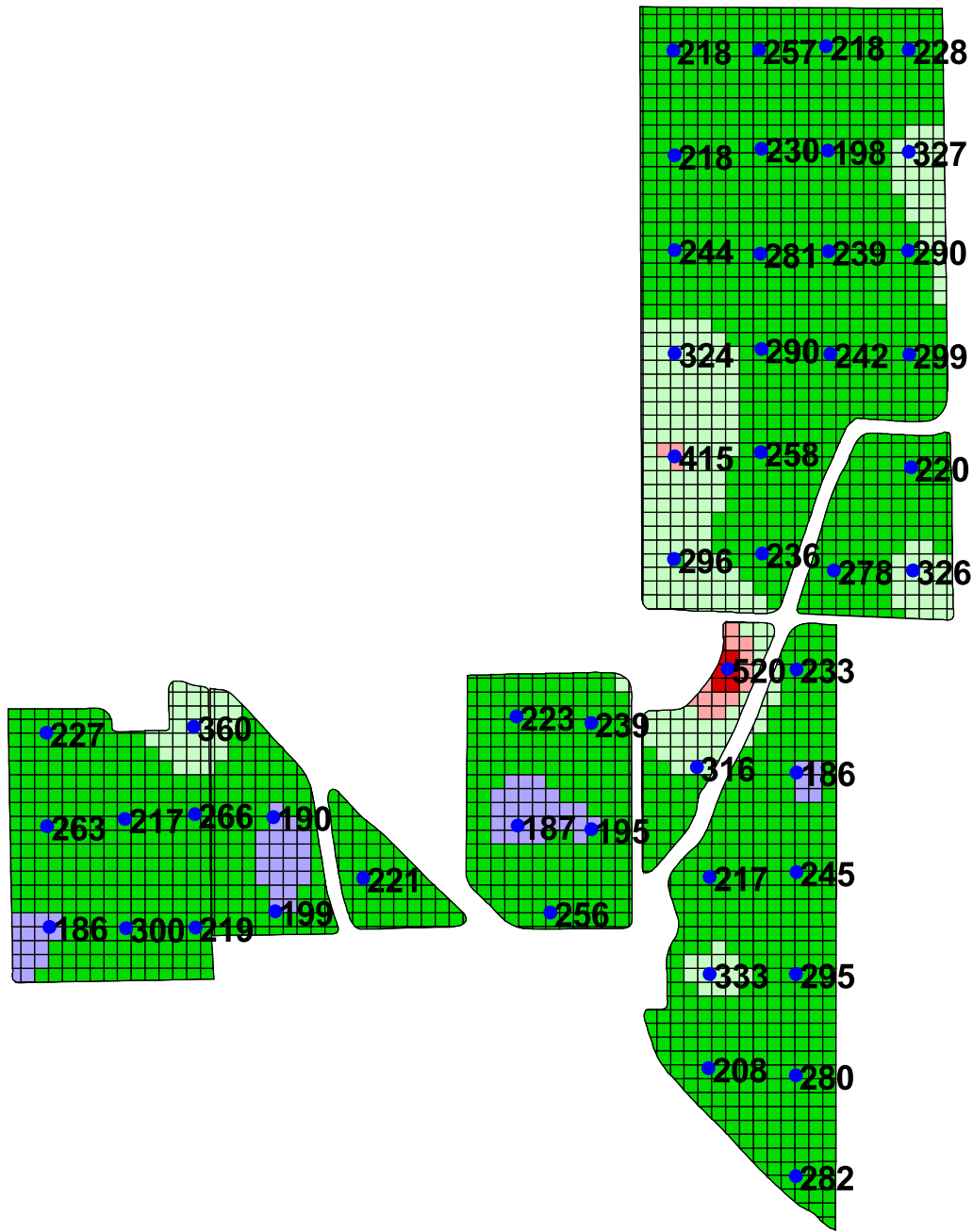
**Date:** Apr 17, 2018  
**Field Name:** 8074CosseyNorth; 18  
**Location:** Vermillion Co., Vermillion Co., Illinois, U.S.  
**Farm Name:** CosseyTrust  
**Client Name:** First Financial Danville  
**Total Acres:** 170.92  
**Field Boundary Start Location:**  
**Latitude:** 40.08238658  
**Longitude:** -87.49010584

**P Stats:**  
**No. of Observations:** 2384  
**Minimum P:** 22  
**Maximum P:** 318  
**Average P:** 62

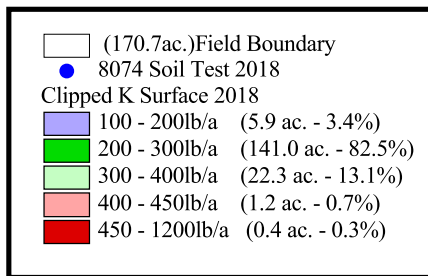
**P Stats:**  
**No. of Observations:** 2395  
**Minimum P:** 34  
**Maximum P:** 184  
**Average P:** 63



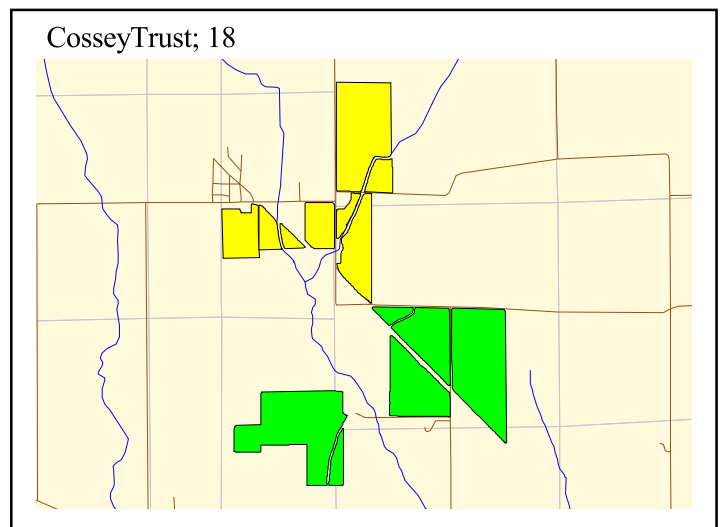
# 8074CosseyNorth; 18 (170.92 ac.)



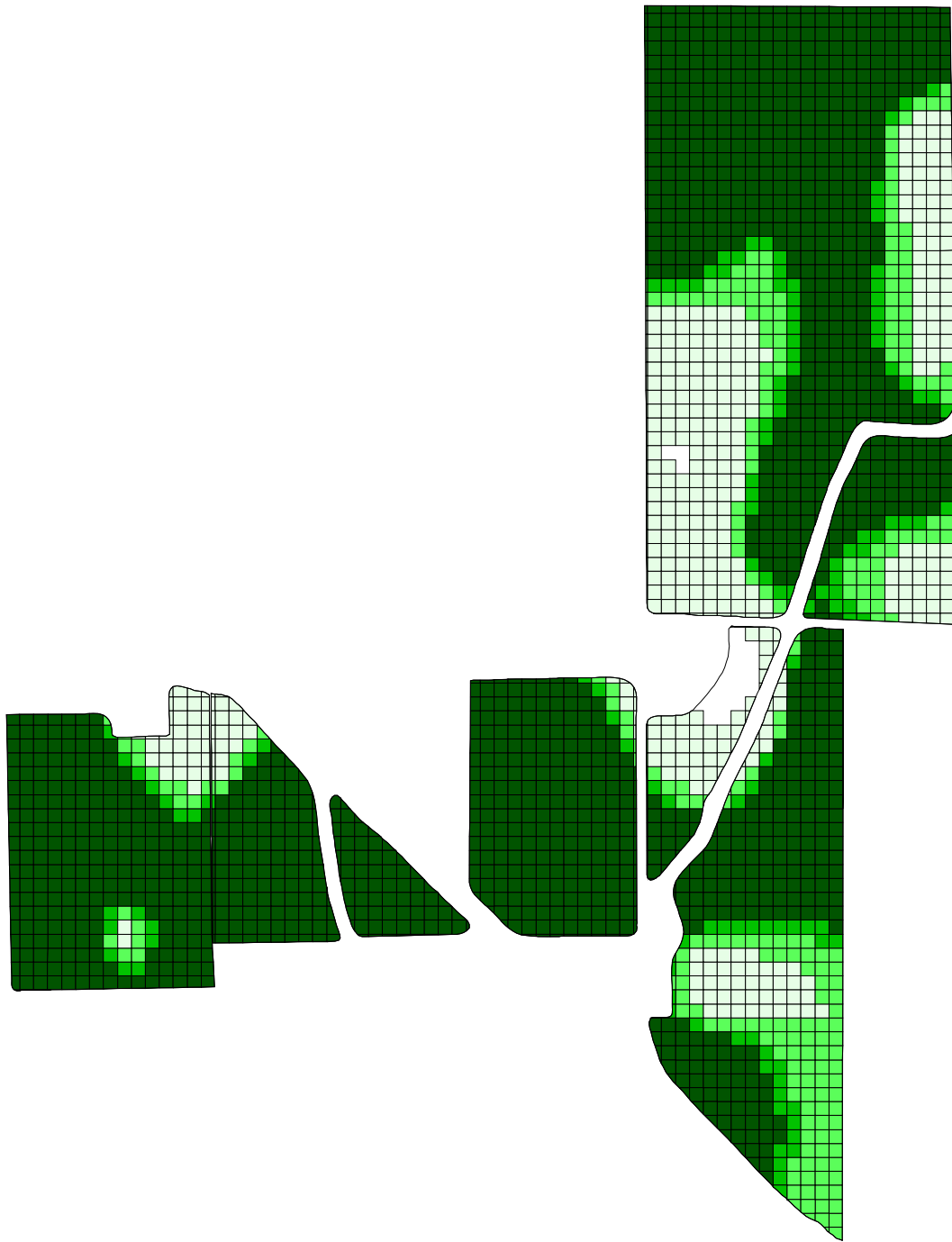
## AVE 260



Date: Apr 17, 2018  
 Field Name: 8074CosseyNorth; 18  
 Location: Vermillion Co., Vermilion Co., Illinois, U.S.  
 Farm Name: CosseyTrust  
 Client Name: First Financial Danville  
 Total Acres: 170.92  
 Field Boundary Start Location:  
 Latitude: 40.08238658  
 Longitude: -87.49010584



# 8074CosseyNorth; 18 (170.92 ac.) - Potash Recommendation



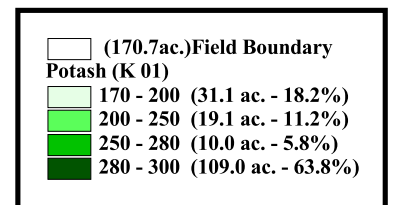
Equation Used: K 01

Date: Apr 17, 2018  
 Field Name: 8074CosseyNorth; 18  
 Farm Name: CosseyTrust  
 Client Name: First Financial Danville  
 Location: Vermillion Co., Vermilion Co., Illinois, U.S.  
 Total Acres: 170.92  
 Field Boundary Start Location:  
 Latitude: 40.08238658  
 Longitude: -87.49010584

**Application Estimates:**

Product: Potash  
 Min. Rate: 170.0 Lbs/ac.  
 Max. Rate: 300.0 Lbs/ac.  
 Avg. Rate: 266.4 Lbs/ac.  
 Total Potash: 22.61 Tons  
 Total K (60%): 13.57 Tons  
 Product Price per ton: \$330.00  
 Product Cost: \$7461.30  
 Number of Acres to be Applied: 169.18 Acres  
 Per Acre Application Charge: \$6.00  
 Anticipated Application Charge: \$1015.08  
 Total Cost: \$8476.38  
 Cost per Applied Acre: \$50.10  
 Total Acre Cost: \$49.59

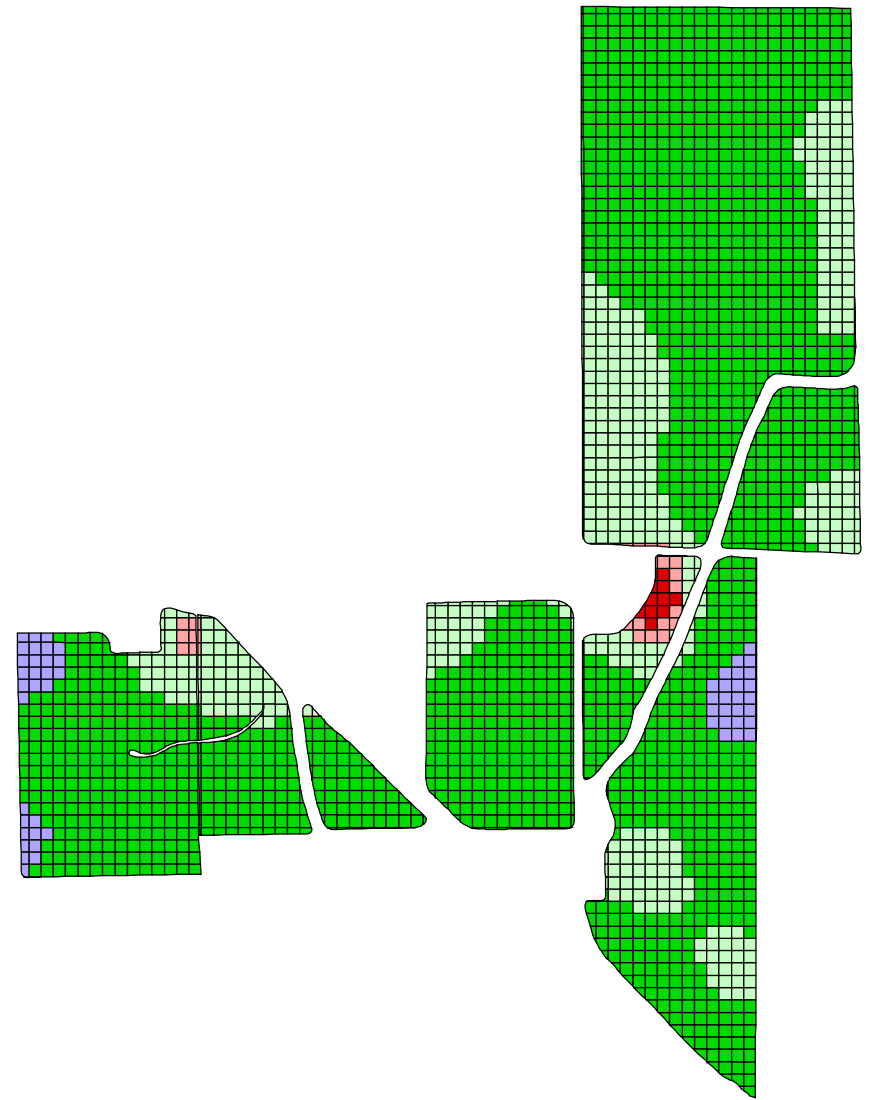
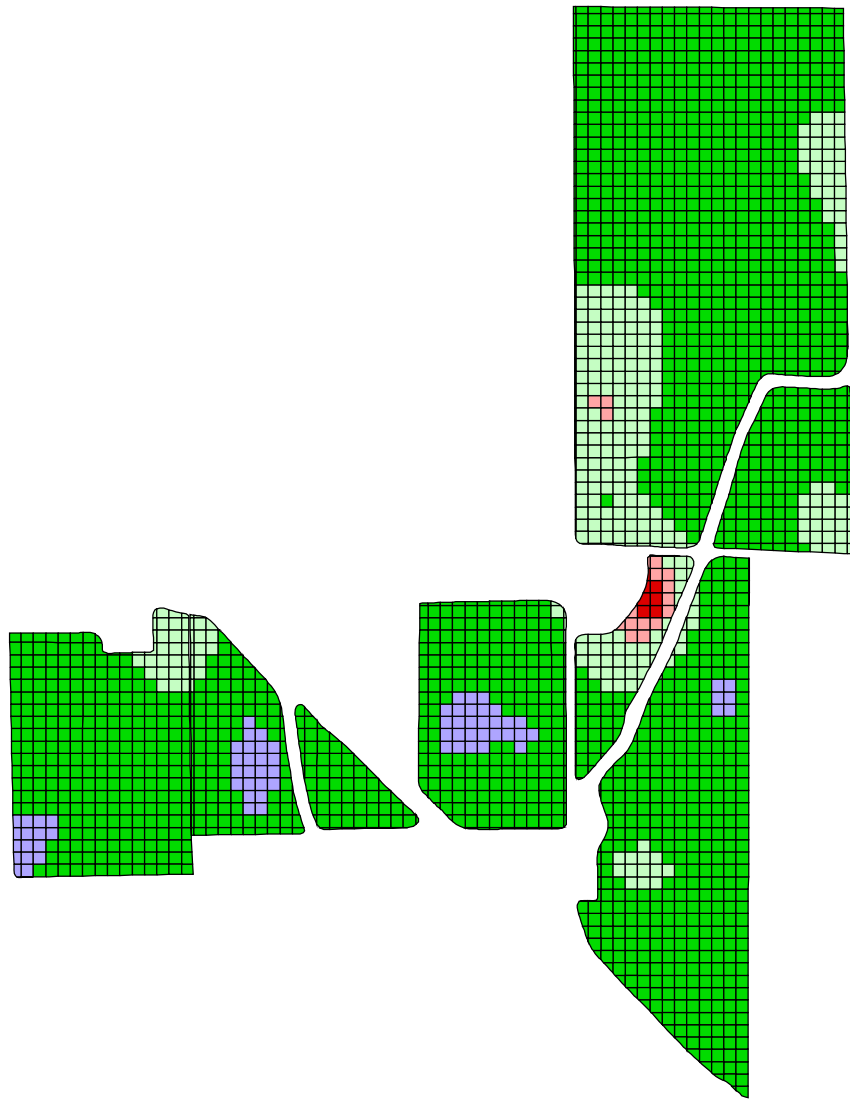
**AVE 264.6 lbs/ac**



# 8074CosseyNorth; 18 (170.92 ac.)

Clipped K Surface 2018

Clipped K Surface 2014



Clipped K Surface 2018

100 - 200lb/a	(5.9 ac. - 3.4%)
200 - 300lb/a	(141.0 ac. - 82.5%)
300 - 400lb/a	(22.3 ac. - 13.1%)
400 - 450lb/a	(1.2 ac. - 0.7%)
450 - 1200lb/a	(0.4 ac. - 0.3%)

**Date:** Apr 17, 2018  
**Field Name:** 8074CosseyNorth; 18  
**Location:** Vermillion Co., Vermillion Co., Illinois, U.S.  
**Farm Name:** CosseyTrust  
**Client Name:** First Financial Danville  
**Total Acres:** 170.92  
**Field Boundary Start Location:**  
**Latitude:** 40.08238658  
**Longitude:** -87.49010584

**K Stats:**  
**No. of Observations:** 2384  
**Minimum K:** 188  
**Maximum K:** 495  
**Average K:** 260

**K Stats:**  
**No. of Observations:** 2395  
**Minimum K:** 181  
**Maximum K:** 529  
**Average K:** 269

Clipped K Surface 2014

100 - 200lb/a	(4.3 ac. - 2.5%)
200 - 300lb/a	(130.7 ac. - 76.6%)
300 - 400lb/a	(33.5 ac. - 19.6%)
400 - 450lb/a	(1.4 ac. - 0.8%)
450 - 600lb/a	(0.7 ac. - 0.4%)

ID	#	pH	OM	P	K	Mg	Ca	S	B	Zn	Mn	Fe	Cu	Na	bpH	CEC	%K	%Mg	%Ca
1		6.4	2.8	62	260	495	4079	60	0.52	4.24	119	319.0	3.22	5.1	6.9	13.31	2.65%	14.99%	76.48%