

*Important*  
**FARMLAND**  
*& Wind Income*  
**AUCTION**

*Vermillion County, Illinois*

Near Rossville, IL

**SOIL TESTING  
INFORMATION**

**THURSDAY,  
MARCH 19<sup>th</sup>  
at 1pm CST/2PM EST**

**874<sup>±</sup>** acres  
6 farms  
16 tracts

 **SCHRADER**  
Real Estate and Auction Company, Inc.  
3% Buyer's Premium

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# Soil Test Report - Tract 1

## Schrader Real Estate & Auction Soil Test Report 2020



**Vermilion County**  
**Tract 1**  
151.7A sec29 PILOT



# Soil Test Report - Tract 1

Grower: Schrader Real Estate & Auction

Farm: Vermilion County

Field: Tract 1



Label	Area
White	151.65

Notes:

# Soil Test Report - Tract 1

Location	Grower	Farm	Field	Area	Centroid
ASM	Schrader Real Estate & Auction	Vermilion County	Tract 1	151.65 acres	40.244615, -87.847771



		Min	Max	Avg
P	12.1	207.7	46.3	
K	257.90	1076	455.85	
pH	5.7	7.1	6.4	
OM	2.0	3.5	2.7	

Sample Date: 2020-02-20  
Soil Lab: Agricultural Soil Management

ID	P lbs/ac	K lbs/ac	pH	OM %
1	20.3	415.96	6.9	3.0
2	18.3	429.23	6.3	3.0
3	42.7	344.46	5.7	2.5
4	49.1	351.89	5.9	2.5
5	36.5	257.90	6.2	2.0
6	50.4	524.94	6.8	3.5
7	23.8	495.33	7.0	3.0
8	28.9	378.80	7.0	2.5
9	36.6	351.33	6.5	2.5
10	24.9	403.28	6.8	2.5

# Soil Test Report - Tract 1



## Field Sample Summary

11	33.2	477.53	6.7	3.0
12	59.6	546.41	5.7	2.5
13	47.7	326.40	6.0	2.5
14	37.9	371.12	5.9	2.5
15	12.1	446.87	6.3	3.0
16	207.7	1076	5.8	3.0
17	56.7	551.91	7.1	3.0

# Soil Test Report - Tract 1



Elemental Field Sample Report

**Grower:** Schrader Real Estate & Auction

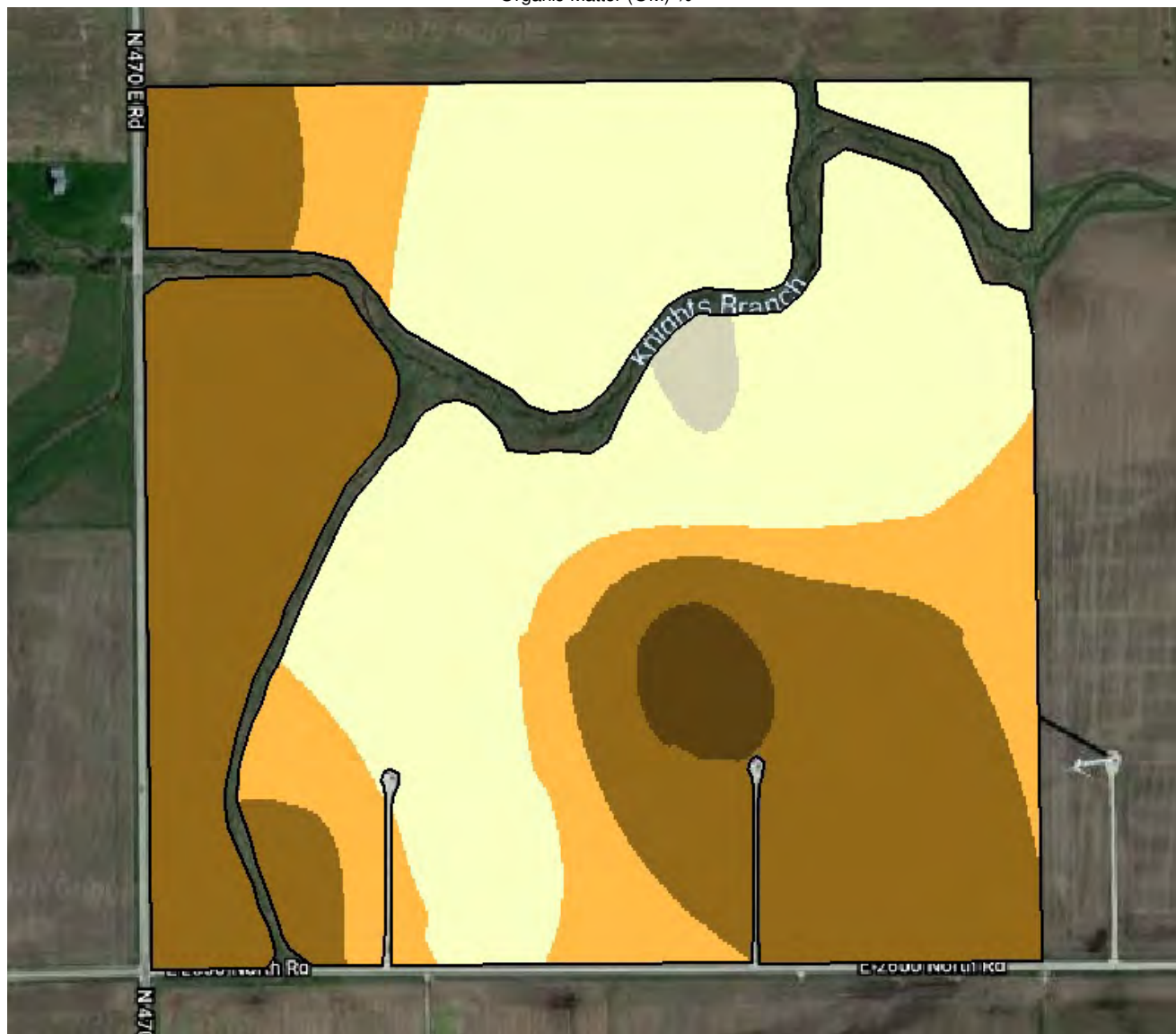
**Farm:** Vermilion County

**Field:** Tract 1 **Zone:** Not Specified

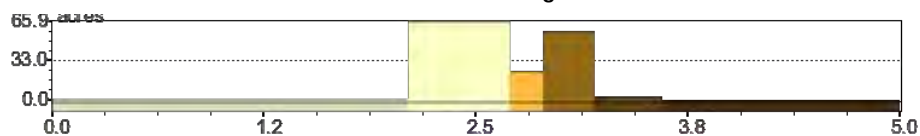
**Area:** 151.6

**Sample Date:** 2020-02-20

Organic Matter (OM) %



Min: 2.0 Max: 3.5 Avg: 2.7





# Soil Test Report - Tract 1



Elemental Field Sample Report

**Grower:** Schrader Real Estate & Auction

**Farm:** Vermilion County

**Field:** Tract 1  
**Zone:** Not Specified  
(pH)

**Area:** 151.6

**Sample Date:** 2020-02-20



Min: 5.7 Max: 7.1 Avg: 6.4

(pH)	Soil Levels	Area (ac)	Percent Acres
4.5-5.8	Very Low	0.0	0.0
5.8-6.0	Low	42.19	27.82
6.0-6.2	Optimal	19.22	12.67
6.2-6.5	High	19.24	12.69
6.5-8	Very High	70.99	46.81

# Soil Test Report - Tract 1

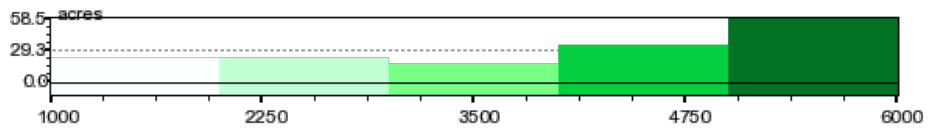
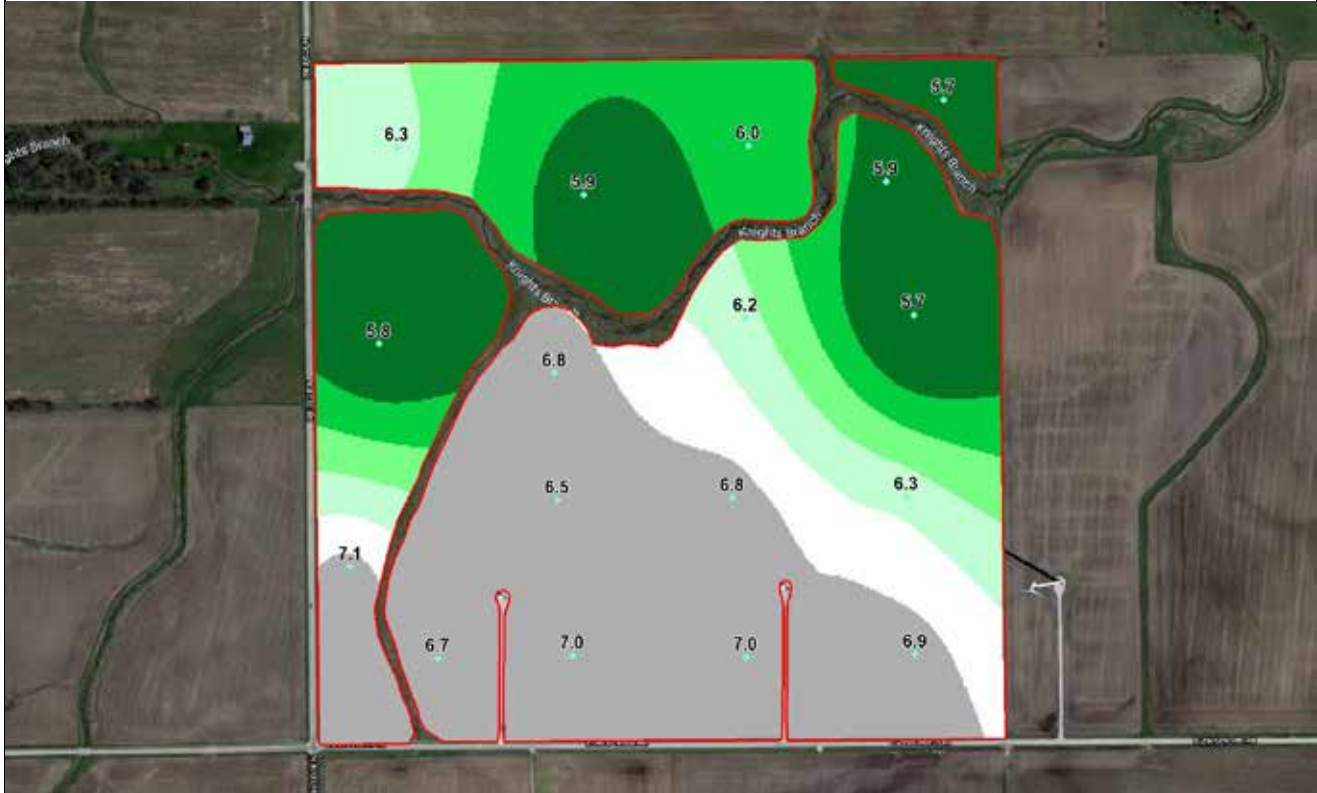


Soil Fertility

Grower: Schrader Real Estate & Auction Farm: Vermilion County

Field(s): Tract 1

## Lime - Fertilizer Application (lbs/ac)



Lab: Agricultural Soil Management      Custom Eq: L 5      Commodity: Corn-Soybeans      Sample Date: 2020-02-20

**Constraints:**

Target pH: 6.5

Max Rate: 6000.0 lbs/ac      Multiplier: N/A

Min Rate: 1000.0 lbs/ac      Subtract: N/A

Switch Rate: 500.0 lbs/ac

Minimum Application Rate:	1000.0 lbs/ac	Total Product:	395764.5 lbs
Maximum Application Rate:	6000.0 lbs/ac	Total Product Bulk:	197.88 ton
Average Application Rate:	4198.58 lbs/ac	Product Cost / Bulk:	\$0.0/ton
Application Area:	94.26 ac	Total Product Price:	\$0.0
Average Field Rate:	2608.05 lbs/ac	Application Cost / Area:	\$0.0/ac
Total Area:	151.75 ac	Total Application Cost:	\$0.0
		Total Cost:	\$0.0



# Soil Test Report - Tract 1



Soil Fertility

## Fertilizer Application Summary

Grower: Schrader Real Estate & Auction  
 Farm: Vermilion County  
 Field(s): Tract 1

Commodity: Corn-Soybeans  
 Labs: Agricultural Soil Management

Selected Parameters					
Product	Rec %	Max Rate	Min Rate	+/-	Switch Rate
Lime	100	6000.0 lbs/ac	1000.0 lbs/ac	0.00	500.0 lbs/ac

Product	Wt App	Wt App Bulk	Applied Area	Product Cost	Est. Cost	Est. Cost/Area
Lime	395764.50 (lbs)	197.88 ton	94.26	\$0.0/ton	\$0.0	\$0.0/ac
Application				\$0.0 /ac	\$0.0	\$0.0/ac
Totals					\$0.00	\$0.0/ac

Field Summary					
Field	PLS ID	FSA ID	County	Area	Centroid
Tract 1	29 21N 13W	--	Vermilion	151.65 ac	40.244615, -87.847771

# Soil Test Report - Tract 1

**Grower:** Schrader Real Estate & Auction

**Farm:** Vermilion County

**Field:** Tract 1 **Zone:** Not Specified

**Area:** 151.6

**Sample Date:** 2020-02-20

Phosphorous (P) lbs/ac



Min: 12.1 Max: 207.7 Avg: 46.3

Phosphorous (P) Range	Soil Levels	Area (ac)	Percent Acres
0-25	Very Low	28.91	19.0
25-35	Low	45.06	29.73
35-60	Optimal	52.91	34.88
60-80	High	6.87	4.53
80-200	Very High	18.29	12.06

Phosphorus (P) One of three primary nutrients, phosphorus is essential for plant growth, and a plant must access it to complete its normal production cycle. Plants absorb P from the soil as primary and secondary ortho-phosphates (H<sub>2</sub>PO<sub>4</sub><sup>-</sup> and HPO<sub>4</sub><sup>2-</sup>).

# Soil Test Report - Tract 1

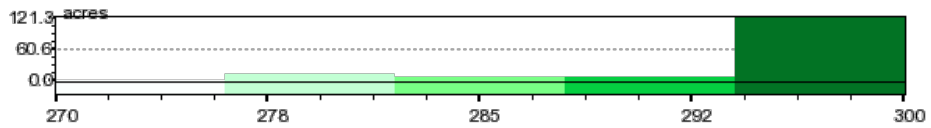


Soil Fertility

Grower: Schrader Real Estate & Auction Farm: Vermilion County

Field(s): Tract 1

TSP 0-45-0 - Fertilizer Application (lbs/ac)



Lab: Agricultural Soil Management    Custom Eq: P 4 w/ YIELD    Commodity: Corn-Soybeans    Sample Date: 2020-02-20

**Constraints:**

Bean Yield: 70 bu/ac    Corn Yield: 210 bu/ac

Max Rate: 300.0 lbs/ac    Multiplier: N/A

Min Rate: 270.0 lbs/ac    Subtract: N/A

Switch Rate: 220.0 lbs/ac

Minimum Application Rate: 270.0 lbs/ac  
 Maximum Application Rate: 300.0 lbs/ac  
 Average Application Rate: 296.51 lbs/ac  
 Application Area: 135.68 ac  
 Average Field Rate: 265.12 lbs/ac  
 Total Area: 151.75 ac

Total Product: 40231.15 lbs  
 Total Product Bulk: 20.12 ton  
 Product Cost / Bulk: \$0.0/ton  
 Total Product Price: \$0.0  
 Application Cost / Area: \$0.0/ac  
 Total Application Cost: \$0.0  
 Total Cost: \$0.0



# Soil Test Report - Tract 1



Soil Fertility

## Fertilizer Application Summary

Grower: Schrader Real Estate & Auction  
 Farm: Vermilion County  
 Field(s): Tract 1

Commodity: Corn-Soybeans  
 Labs: Agricultural Soil Management

Selected Parameters					
Product	Rec %	Max Rate	Min Rate	+/-	Switch Rate
TSP 0-45-0	100	300.0 lbs/ac	270.0 lbs/ac	0.00	220.0 lbs/ac

Product	Wt App	Wt App Bulk	Applied Area	Product Cost	Est. Cost	Est. Cost/Area
TSP 0-45-0	40231.15 (lbs)	20.12 ton	135.68	\$0.0/ton	\$0.0	\$0.0/ac
Application				\$0.0 /ac	\$0.0	\$0.0/ac
Totals					\$0.00	\$0.0/ac

Field Summary					
Field	PLS ID	FSA ID	County	Area	Centroid
Tract 1	29 21N 13W	--	Vermilion	151.65 ac	40.244615, -87.847771

# Soil Test Report - Tract 1

**Grower:** Schrader Real Estate & Auction

**Farm:** Vermilion County

**Field:** Tract 1  
**Zone:** Not Specified

**Area:** 151.6

**Sample Date:** 2020-02-20

Potassium (K) lbs/ac



Min: 257.90 Max: 1076 Avg: 455.85

Potassium (K) lbs/ac	Soil Levels	Area (ac)	Percent Acres
0-200	Very Low	0.0	0.0
200-300	Low	3.26	2.15
300-400	Optimal	61.81	40.80
400-480	High	41.84	27.48
480-1200	Very High	45.34	29.9

Potassium (K) is one of the essential nutrients and is taken up in significant amounts by crops. Potassium is vital to photosynthesis, protein synthesis and many other functions in plants. It is classified as a macro-nutrient, as are nitrogen (N) and phosphorus (P). Plants take up K in its ionic form (K+).

# Soil Test Report - Tract 1

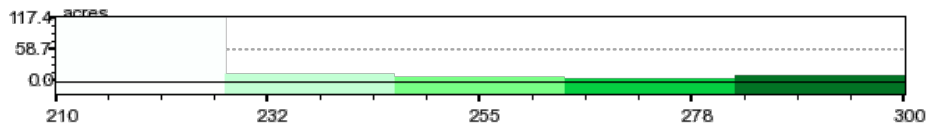
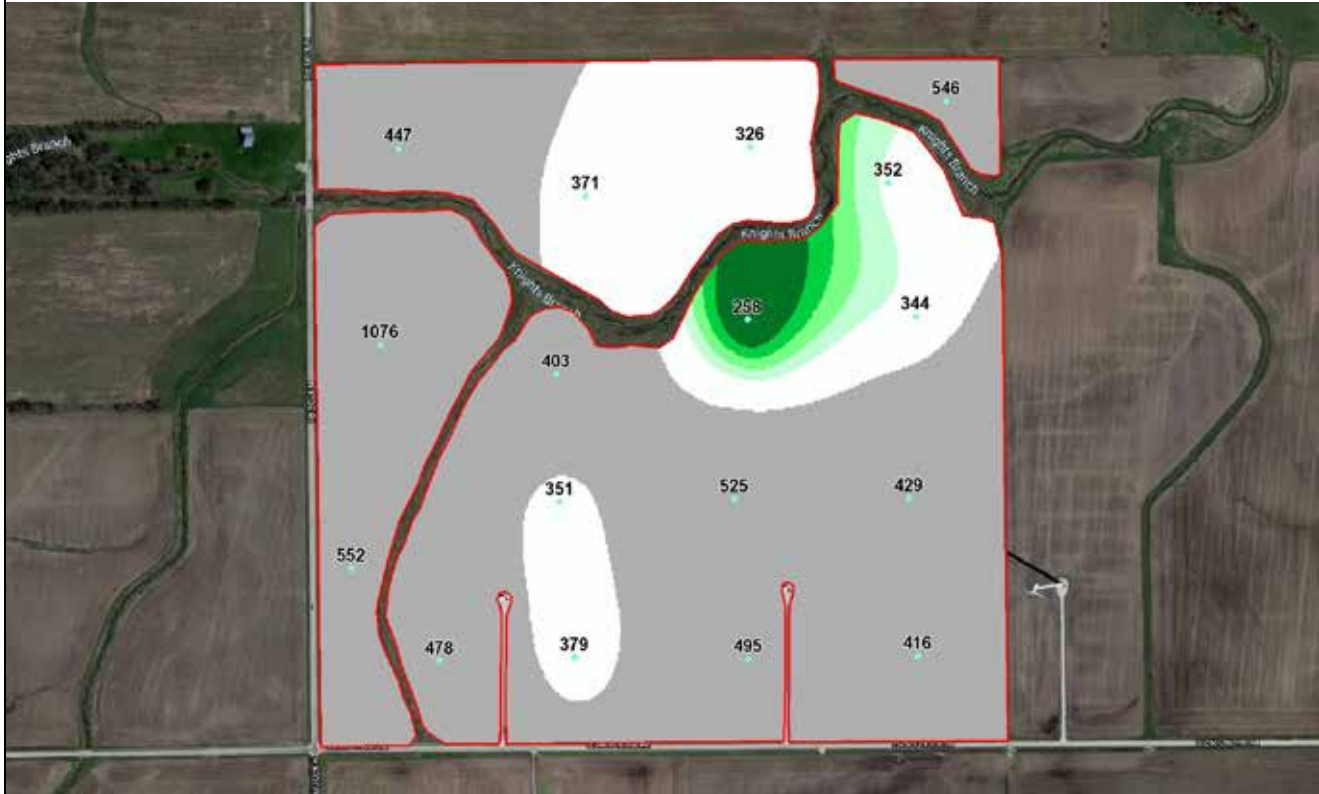


Soil Fertility

Grower: Schrader Real Estate & Auction Farm: Vermilion County

Field(s): Tract 1

Potash 0-0-60 - Fertilizer Application (lbs/ac)



Lab: Agricultural Soil Management    Custom Eq: K 01 w/ YIELD    Commodity: Corn-Soybeans    Sample Date: 2020-02-20

Constraints:

Corn Yield: 210 bu/ac    Bean Yield: 70 bu/ac

Max Rate: 300.0 lbs/ac    Multiplier: N/A

Min Rate: 210.0 lbs/ac    Subtract: N/A

Switch Rate: 160.0 lbs/ac

Minimum Application Rate:	210.0 lbs/ac	Total Product:	9783.17 lbs
Maximum Application Rate:	300.0 lbs/ac	Total Product Bulk:	4.89 ton
Average Application Rate:	222.27 lbs/ac	Product Cost / Bulk:	\$0.0/ton
Application Area:	44.01 ac	Total Product Price:	\$0.0
Average Field Rate:	64.47 lbs/ac	Application Cost / Area:	\$0.0/ac
Total Area:	151.75 ac	Total Application Cost:	\$0.0
		Total Cost:	\$0.0



# Soil Test Report - Tract 1



Soil Fertility

## Fertilizer Application Summary

Grower: Schrader Real Estate & Auction  
 Farm: Vermilion County  
 Field(s): Tract 1

Commodity: Corn-Soybeans  
 Labs: Agricultural Soil Management

Selected Parameters					
Product	Rec %	Max Rate	Min Rate	+/-	Switch Rate
Potash 0-0-60	100	300.0 lbs/ac	210.0 lbs/ac	0.00	160.0 lbs/ac

Product	Wt App	Wt App Bulk	Applied Area	Product Cost	Est. Cost	Est. Cost/Area
Potash 0-0-60	9783.17 (lbs)	4.89 ton	44.01	\$0.0/ton	\$0.0	\$0.0/ac
Application				\$0.0 /ac	\$0.0	\$0.0/ac
Totals					\$0.00	\$0.0/ac

Field Summary					
Field	PLS ID	FSA ID	County	Area	Centroid
Tract 1	29 21N 13W	--	Vermilion	151.65 ac	40.244615, -87.847771

# Soil Test Report - Tract 2

## Schrader Real Estate & Auction Soil Test Report 2020



**Vermilion County**  
**Tract 2**  
153.1A sec16 PILOT

# Soil Test Report - Tract 2

Grower: Schrader Real Estate & Auction

Farm: Vermilion County

Field: Tract 2



Label	Area
White	153.07

Notes:



# Soil Test Report - Tract 2



Field Sample Summary

Location	Grower	Farm	Field	Area	Centroid
ASM	Schrader Real Estate & Auction	Vermilion County	Tract 2	153.07 acres	40.194754, -87.840752



		Min	Max	Avg
P	19.1	95.3	45.3	
K	341.15	831.24	473.55	
pH	5.5	7.6	6.5	
OM	2.0	3.5	2.6	

Sample Date: 2020-02-20  
Soil Lab: Agricultural Soil Management

ID	P lbs/ac	K lbs/ac	pH	OM %
1	35.0	398.28	7.0	2.5
2	30.3	341.15	6.4	2.5
3	73.0	518.17	5.8	2.5
4	95.3	831.24	5.7	2.5
5	61.3	521.04	5.5	2.5
6	45.9	469.02	6.8	2.5
7	38.3	416.25	6.3	2.5
8	41.6	412.44	6.2	2.5
9	34.4	361.21	7.2	2.0
10	19.1	397.00	7.6	2.0

# Soil Test Report - Tract 2



Field Sample Summary

11	23.0	468.14	6.4	3.5
12	65.4	396.56	6.7	3.0
13	51.5	673.59	6.7	3.0
14	34.4	409.20	6.7	2.5
15	43.9	482.08	6.5	3.0
16	32.1	481.49	7.0	2.5

# Soil Test Report - Tract 2

**Grower:** Schrader Real Estate & Auction

**Farm:** Vermilion County

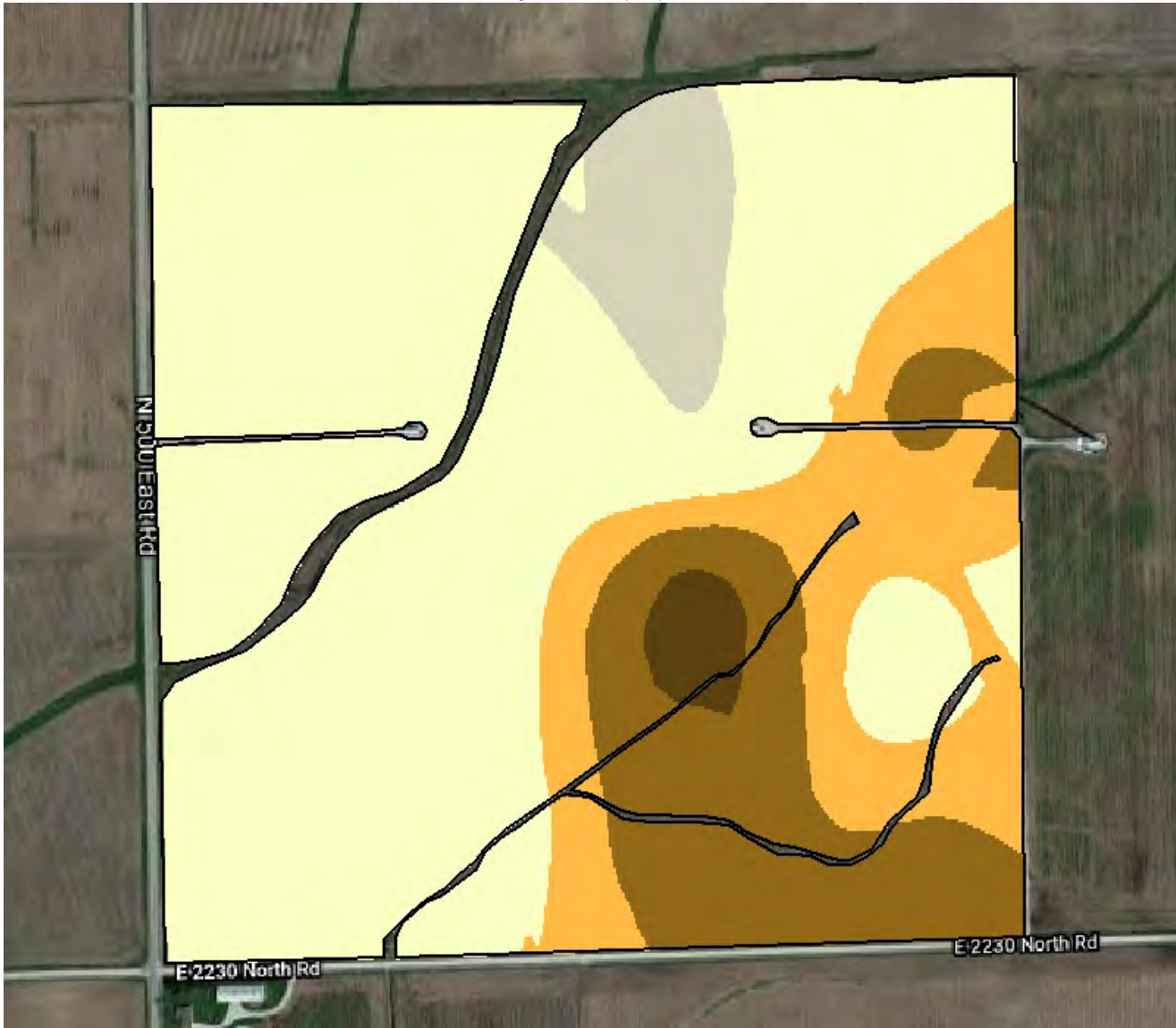
**Field:** Tract 2

**Zone:** Not Specified

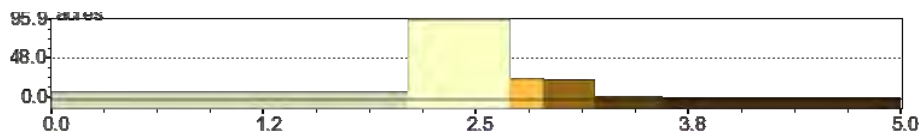
**Area:** 153.1

**Sample Date:** 2020-02-20

Organic Matter (OM) %



Min: 2.0 Max: 3.5 Avg: 2.6





# Soil Test Report - Tract 2

**Grower:** Schrader Real Estate & Auction

**Farm:** Vermilion County

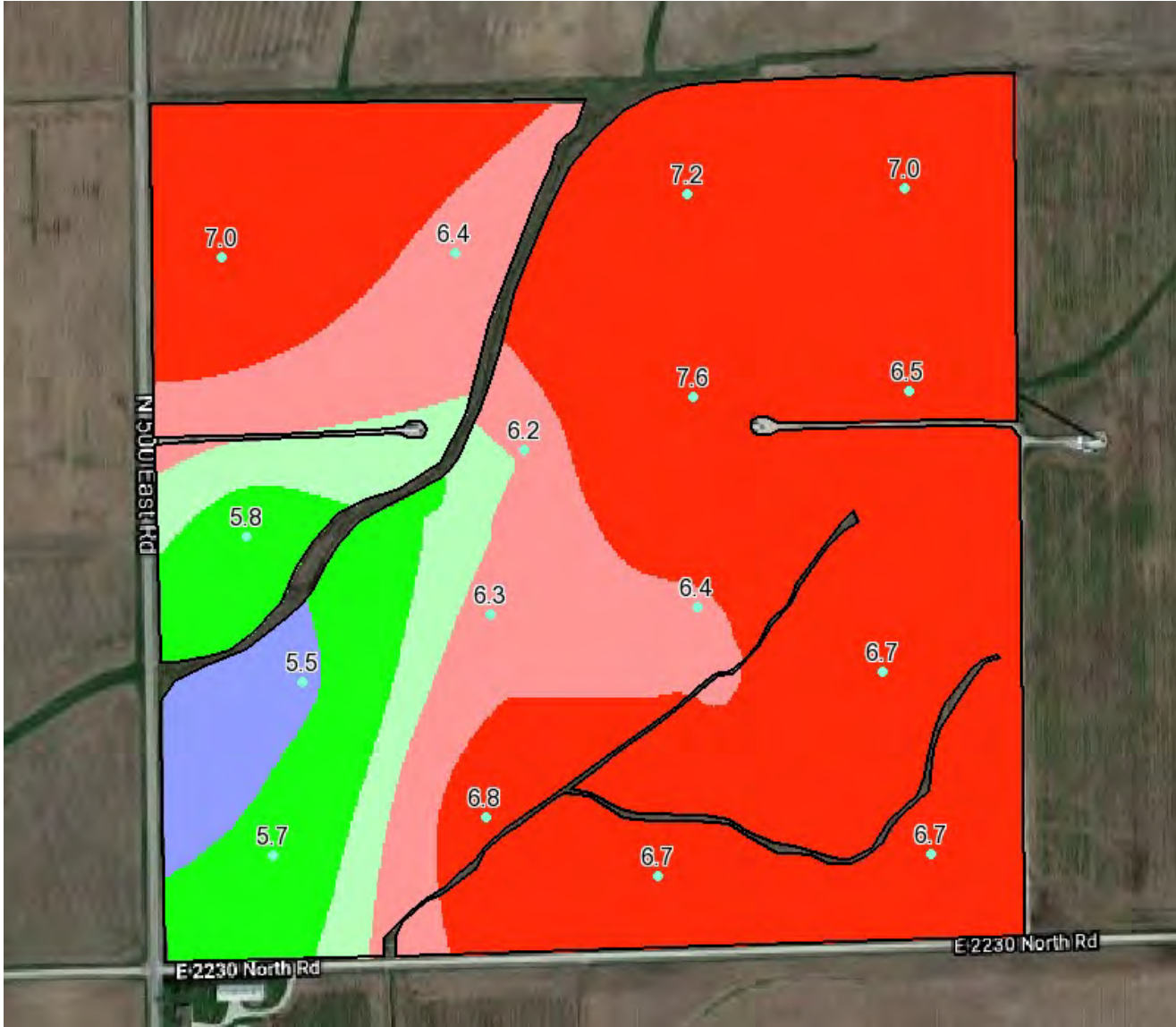
**Field:** Tract 2

**Zone:** Not Specified

**Area:** 153.1

**Sample Date:** 2020-02-20

(pH)



Min: 5.5 Max: 7.6 Avg: 6.5

pH	Soil Levels	Area (ac)	Percent Acres
4.5-5.0	Very Low	5.21	3.4
5.0-6.0	Low	14.83	9.69
6.0-6.2	Optimal	9.13	5.96
6.2-6.5	High	24.38	15.90
6.5-6	Very High	99.51	65.01

# Soil Test Report - Tract 2

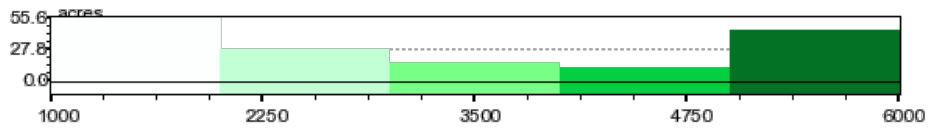


Soil Fertility

Grower: Schrader Real Estate & Auction Farm: Vermilion County

Field(s): Tract 2

### Lime - Fertilizer Application (lbs/ac)



Lab: Agricultural Soil Management      Custom Eq: L 5      Commodity: Corn-Soybeans      Sample Date: 2020-02-20

**Constraints:**

Target pH: 6.5

Max Rate: 6000.0 lbs/ac    Multiplier: N/A  
 Min Rate: 1000.0 lbs/ac    Subtract: N/A  
 Switch Rate: 500.0 lbs/ac

Minimum Application Rate:	1000.0 lbs/ac	Total Product:	243435.29 lbs
Maximum Application Rate:	6000.0 lbs/ac	Total Product Bulk:	121.72 ton
Average Application Rate:	3193.24 lbs/ac	Product Cost / Bulk:	\$0.0/ton
Application Area:	76.23 ac	Total Product Price:	\$0.0
Average Field Rate:	1587.98 lbs/ac	Application Cost / Area:	\$0.0/ac
Total Area:	153.3 ac	Total Application Cost:	\$0.0
		Total Cost:	\$0.0

# Soil Test Report - Tract 2



Soil Fertility

## Fertilizer Application Summary

Grower: Schrader Real Estate & Auction  
 Farm: Vermilion County  
 Field(s): Tract 2

Commodity: Corn-Soybeans  
 Labs: Agricultural Soil Management

Selected Parameters					
Product	Rec %	Max Rate	Min Rate	+/-	Switch Rate
Lime	100	6000.0 lbs/ac	1000.0 lbs/ac	0.00	500.0 lbs/ac

Product	Wt App	Wt App Bulk	Applied Area	Product Cost	Est. Cost	Est. Cost/Area
Lime	243435.29 (lbs)	121.72 ton	76.23	\$0.0/ton	\$0.0	\$0.0/ac
Application				\$0.0 /ac	\$0.0	\$0.0/ac
Totals					\$0.00	\$0.0/ac

Field Summary					
Field	PLS ID	FSA ID	County	Area	Centroid
Tract 2	16 20N 13W	--	Vermilion	153.07 ac	40.194754, -87.840752

# Soil Test Report - Tract 2

**Grower:** Schrader Real Estate & Auction

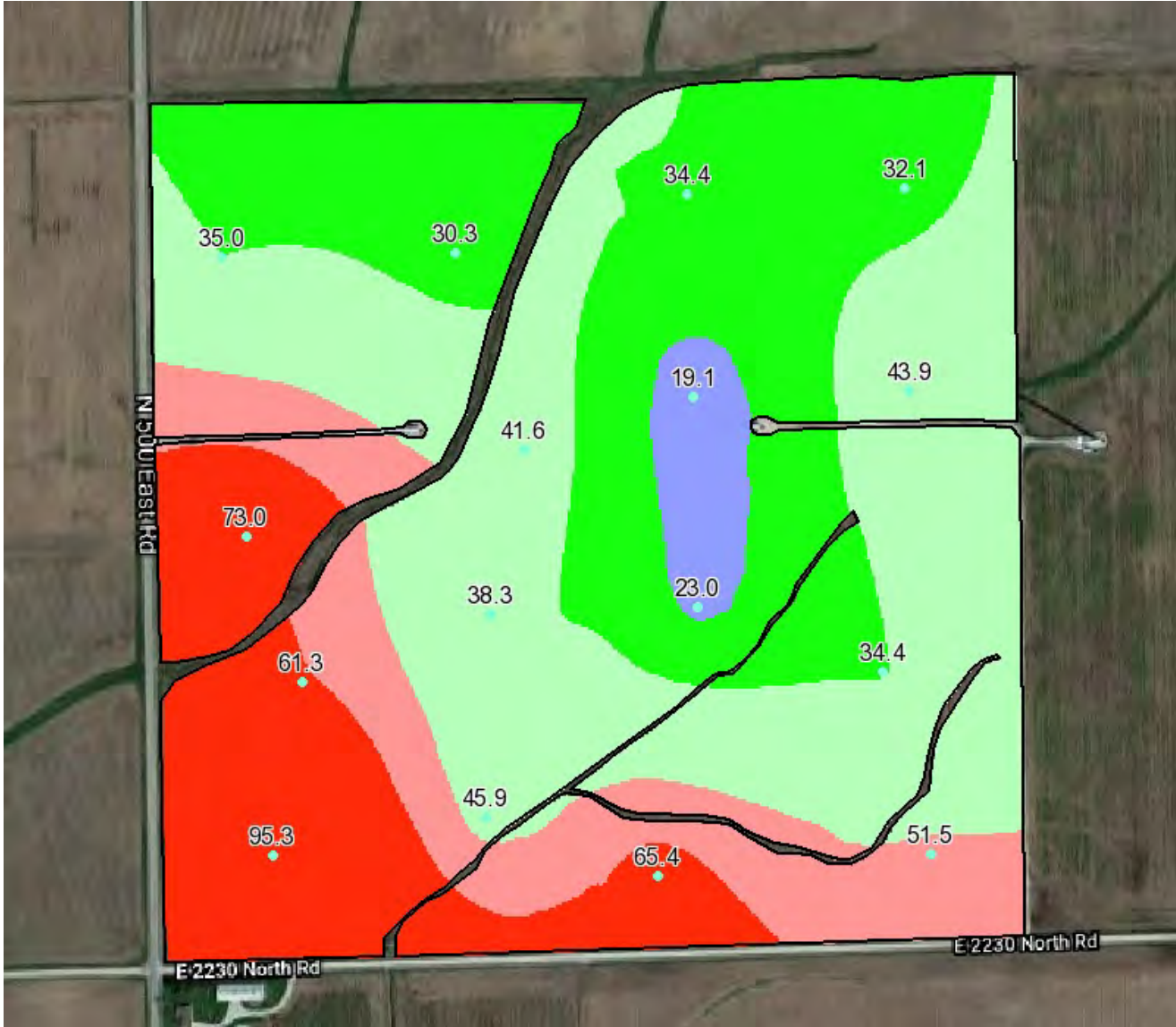
**Farm:** Vermilion County

**Field:** Tract 2  
**Zone:** Not Specified

**Area:** 153.1

**Sample Date:** 2020-02-20

Phosphorous (P) lbs/ac



Min: 19.1 Max: 95.3 Avg: 45.3

Phosphorous (P) Range	Soil Levels	Area (ac)	Percent Acres
0-25	Very Low	8.91	5.82
25-35	Low	45.04	29.42
35-60	Optimal	58.07	37.94
60-90	High	19.44	12.7
90-300	Very High	25.92	16.74

Phosphorus (P) One of three primary nutrients, phosphorus is essential for plant growth, and a plant must access it to complete its normal production cycle. Plants absorb P from the soil as primary and secondary ortho-phosphates (H<sub>2</sub>PO<sub>4</sub><sup>-</sup> and HPO<sub>4</sub><sup>2-</sup>).



# Soil Test Report - Tract 2

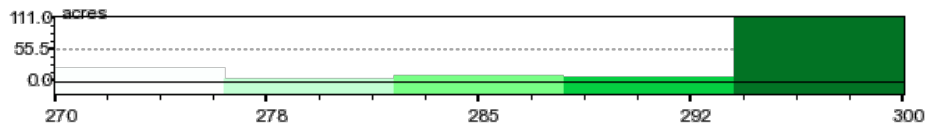


Soil Fertility

Grower: Schrader Real Estate & Auction Farm: Vermilion County

Field(s): Tract 2

TSP 0-45-0 - Fertilizer Application (lbs/ac)



Lab: Agricultural Soil Management    Custom Eq: P 4 w/ YIELD    Commodity: Corn-Soybeans    Sample Date: 2020-02-20

**Constraints:**

Corn Yield: 210 bu/ac    Bean Yield: 70 bu/ac

Max Rate: 300.0 lbs/ac    Multiplier: N/A

Min Rate: 270.0 lbs/ac    Subtract: N/A

Switch Rate: 220.0 lbs/ac

Minimum Application Rate: 270.0 lbs/ac  
 Maximum Application Rate: 300.0 lbs/ac  
 Average Application Rate: 293.9 lbs/ac  
 Application Area: 106.37 ac  
 Average Field Rate: 203.93 lbs/ac  
 Total Area: 153.3 ac

Total Product: 31262.02 lbs  
 Total Product Bulk: 15.63 ton  
 Product Cost / Bulk: \$0.0/ton  
 Total Product Price: \$0.0  
 Application Cost / Area: \$0.0/ac  
 Total Application Cost: \$0.0  
 Total Cost: \$0.0

# Soil Test Report - Tract 2



Soil Fertility

## Fertilizer Application Summary

Grower: Schrader Real Estate & Auction  
 Farm: Vermilion County  
 Field(s): Tract 2

Commodity: Corn-Soybeans  
 Labs: Agricultural Soil Management

Selected Parameters					
Product	Rec %	Max Rate	Min Rate	+/-	Switch Rate
TSP 0-45-0	100	300.0 lbs/ac	270.0 lbs/ac	0.00	220.0 lbs/ac

Product	Wt App	Wt App Bulk	Applied Area	Product Cost	Est. Cost	Est. Cost/Area
TSP 0-45-0	31262.02 (lbs)	15.63 ton	106.37	\$0.0/ton	\$0.0	\$0.0/ac
Application				\$0.0 /ac	\$0.0	\$0.0/ac
Totals					\$0.00	\$0.0/ac

Field Summary					
Field	PLS ID	FSA ID	County	Area	Centroid
Tract 2	16 20N 13W	--	Vermilion	153.07 ac	40.194754, -87.840752

# Soil Test Report - Tract 2

**Grower:** Schrader Real Estate & Auction

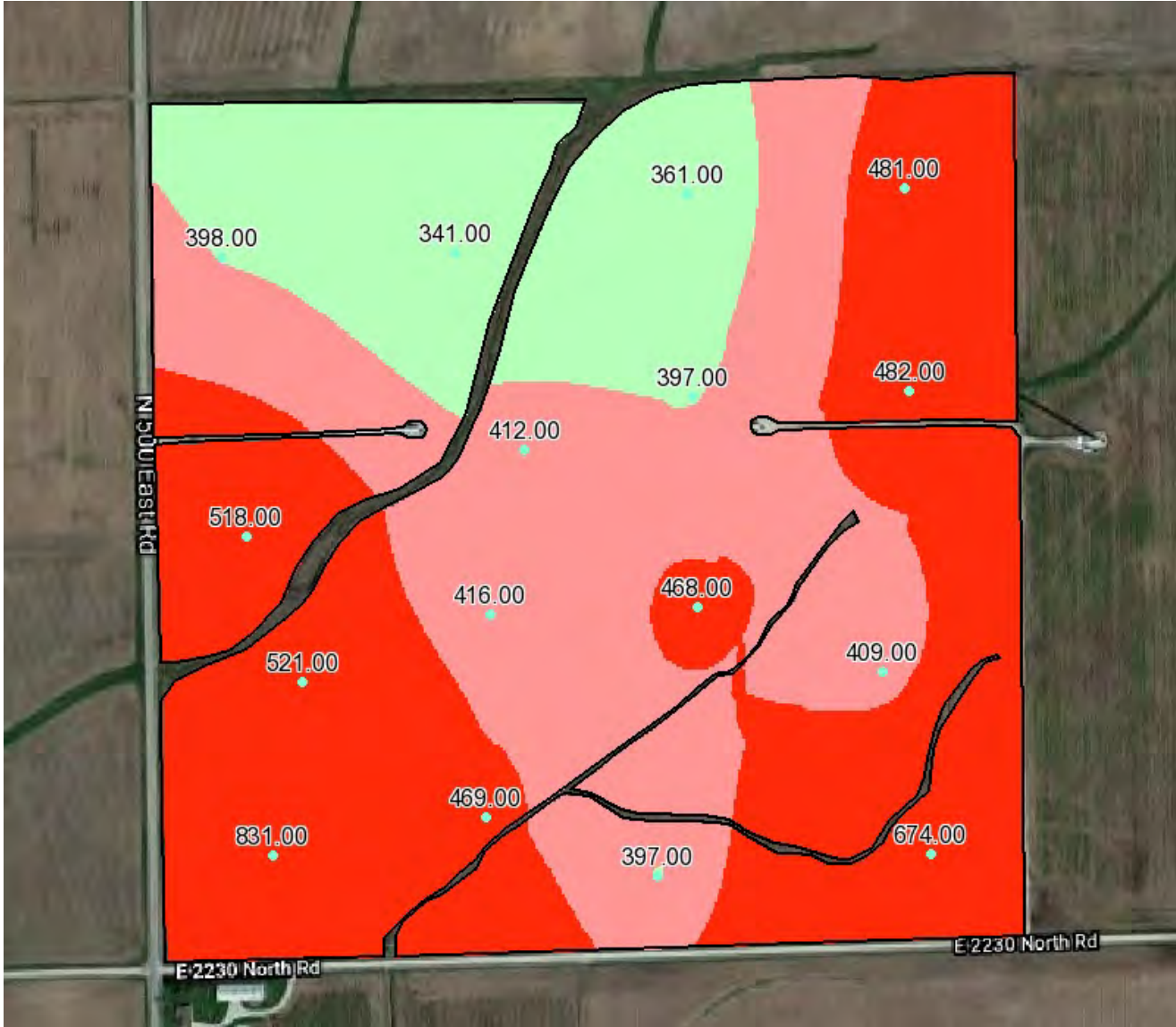
**Farm:** Vermilion County

**Field:** Tract 2 **Zone:** Not Specified

**Area:** 153.1

**Sample Date:** 2020-02-20

Potassium (K) lbs/ac



Min: 341.15 Max: 831.24 Avg: 473.55

Potassium (K) Range	Soil Levels	Area (ac)	Percent Acres
0-200	Very Low	0.0	0.0
200-300	Low	0.6	0.0
300-400	Optimal	30.03	19.62
400-450	High	62.48	40.78
450-1200	Very High	70.91	46.13

Potassium (K) is one of the essential nutrients and is taken up in significant amounts by crops. Potassium is vital to photosynthesis, protein synthesis and many other functions in plants. It is classified as a macro-nutrient, as are nitrogen (N) and phosphorus (P). Plants take up K in its ionic form (K+).

# Soil Test Report - Tract 2

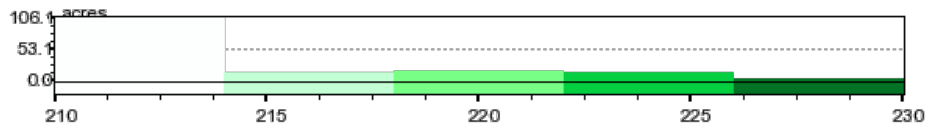


Soil Fertility

Grower: Schrader Real Estate & Auction Farm: Vermilion County

Field(s): Tract 2

### Potash 0-0-60 - Fertilizer Application (lbs/ac)



Lab: Agricultural Soil Management    Custom Eq: K 01 w/ YIELD    Commodity: Corn-Soybeans    Sample Date: 2020-02-20

**Constraints:**

Corn Yield: 210 bu/ac    Bean Yield: 70 bu/ac

Max Rate: 300.0 lbs/ac    Multiplier: N/A

Min Rate: 210.0 lbs/ac    Subtract: N/A

Switch Rate: 160.0 lbs/ac

Minimum Application Rate: 210.0 lbs/ac  
 Maximum Application Rate: 230.4 lbs/ac  
 Average Application Rate: 213.5 lbs/ac  
 Application Area: 30.05 ac  
 Average Field Rate: 41.84 lbs/ac  
 Total Area: 153.3 ac

Total Product: 6414.77 lbs  
 Total Product Bulk: 3.21 ton  
 Product Cost / Bulk: \$0.0/ton  
 Total Product Price: \$0.0  
 Application Cost / Area: \$0.0/ac  
 Total Application Cost: \$0.0  
 Total Cost: \$0.0



# Soil Test Report - Tract 2



Soil Fertility

## Fertilizer Application Summary

Grower: Schrader Real Estate & Auction  
 Farm: Vermilion County  
 Field(s): Tract 2

Commodity: Corn-Soybeans  
 Labs: Agricultural Soil Management

Selected Parameters					
Product	Rec %	Max Rate	Min Rate	+/-	Switch Rate
Potash 0-0-60	100	300.0 lbs/ac	210.0 lbs/ac	0.00	160.0 lbs/ac

Product	Wt App	Wt App Bulk	Applied Area	Product Cost	Est. Cost	Est. Cost/Area
Potash 0-0-60	6414.77 (lbs)	3.21 ton	30.05	\$0.0/ton	\$0.0	\$0.0/ac
Application				\$0.0 /ac	\$0.0	\$0.0/ac
Totals					\$0.00	\$0.0/ac

Field Summary					
Field	PLS ID	FSA ID	County	Area	Centroid
Tract 2	16 20N 13W	--	Vermilion	153.07 ac	40.194754, -87.840752

# Soil Test Report - Tract 3

## Schrader Real Estate & Auction Soil Test Report 2020



**Vermilion County**  
**Tract 3**  
45.4A sec32 GRANT

# Soil Test Report - Tract 3

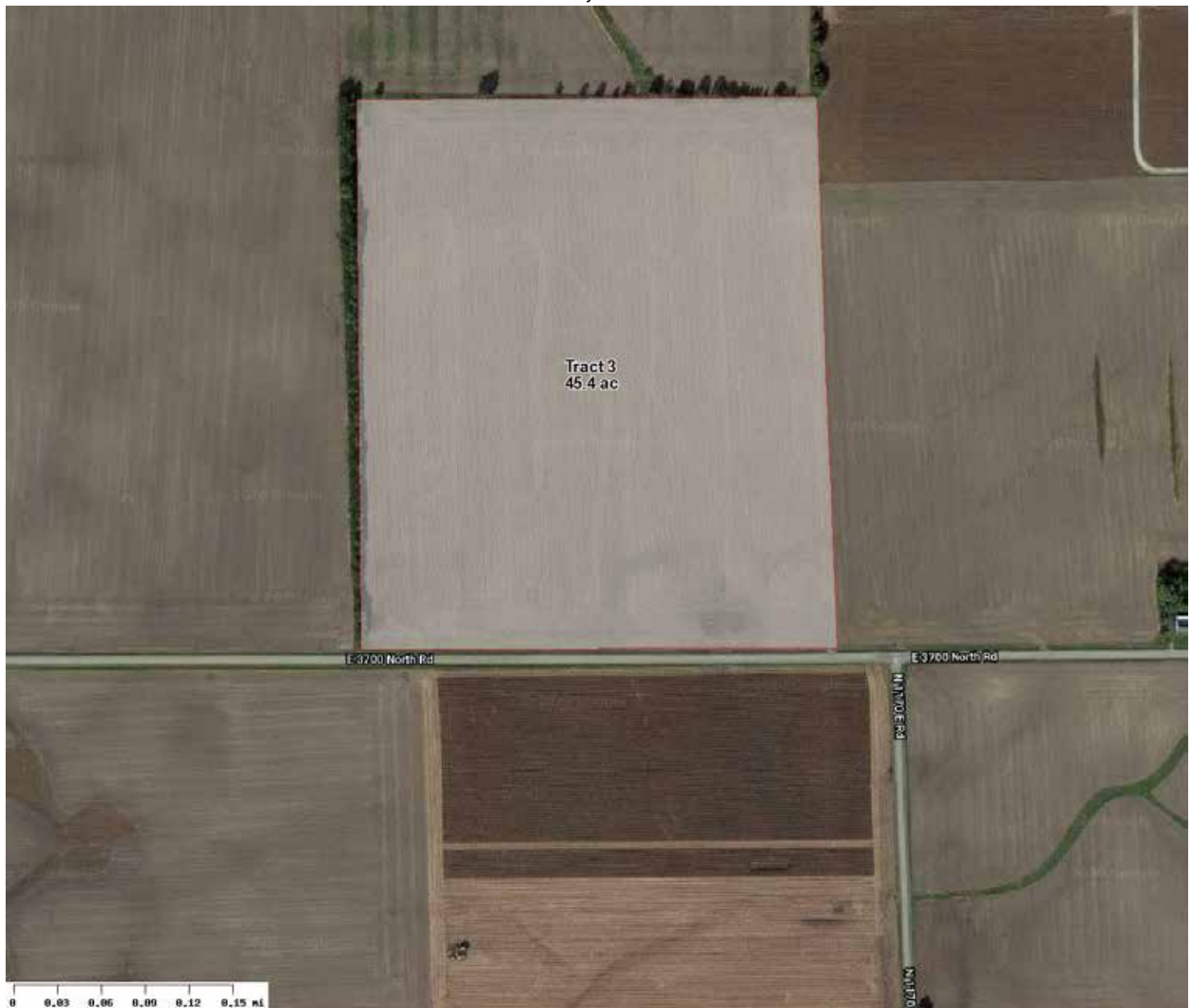


[Quick Map](#)

Grower: Schrader Real Estate & Auction

Farm: Vermilion County

Field: Tract 3



Label	Area
White	45.36

Notes:

# Soil Test Report - Tract 3



Field Sample Summary

Location	Grower	Farm	Field	Area	Centroid
ASM	Schrader Real Estate & Auction	Vermilion County	Tract 3	45.36 acres	40.402462, -87.72672



		Min	Max	Avg
P	22.7	111.3	65.4	
K	250.88	645.35	427.91	
pH	6.3	6.9	6.7	
OM	2.0	3.5	2.8	

Sample Date: 2020-02-20  
Soil Lab: Agricultural Soil Management

ID	P lbs/ac	K lbs/ac	pH	OM %
1	92.4	250.88	6.3	2.5
2	48.2	372.72	6.8	2.5
3	63.4	423.47	6.6	3.0
4	22.7	375.16	6.9	2.0
5	54.3	499.85	6.6	3.0
6	111.3	645.35	6.9	3.5



# Soil Test Report - Tract 3



Elemental Field Sample Report

**Grower:** Schrader Real Estate & Auction

**Farm:** Vermilion County

**Field:** Tract 3 **Zone:** Not Specified

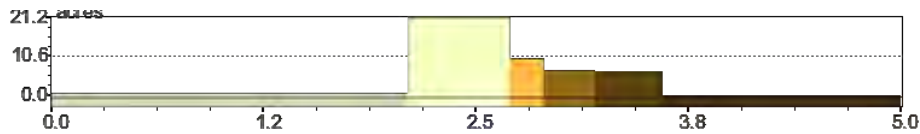
**Area:** 45.4

**Sample Date:** 2020-02-20

Organic Matter (OM) %



Min: 2.0 Max: 3.5 Avg: 2.8



# Soil Test Report - Tract 3

**Grower:** Schrader Real Estate & Auction

**Farm:** Vermilion County

**Field:** Tract 3  
**Zone:** Not Specified

**Area:** 45.4

**Sample Date:** 2020-02-20

(pH)



Min: 6.3 Max: 6.9 Avg: 6.7

pH	Soil Levels	Area (ac)	Percent Acres
4.5-5.0	Very Low	0.0	0.0
5.0-5.5	Low	0.0	0.0
5.5-6.0	Optimal	0.0	0.0
6.0-6.5	High	5.62	12.39
6.5-6.9	Very High	39.74	87.62

# Soil Test Report - Tract 3

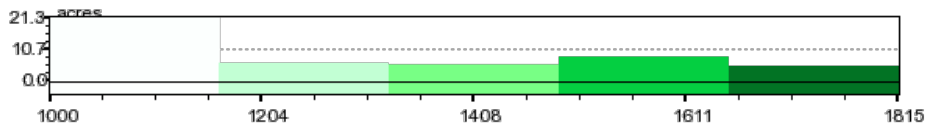
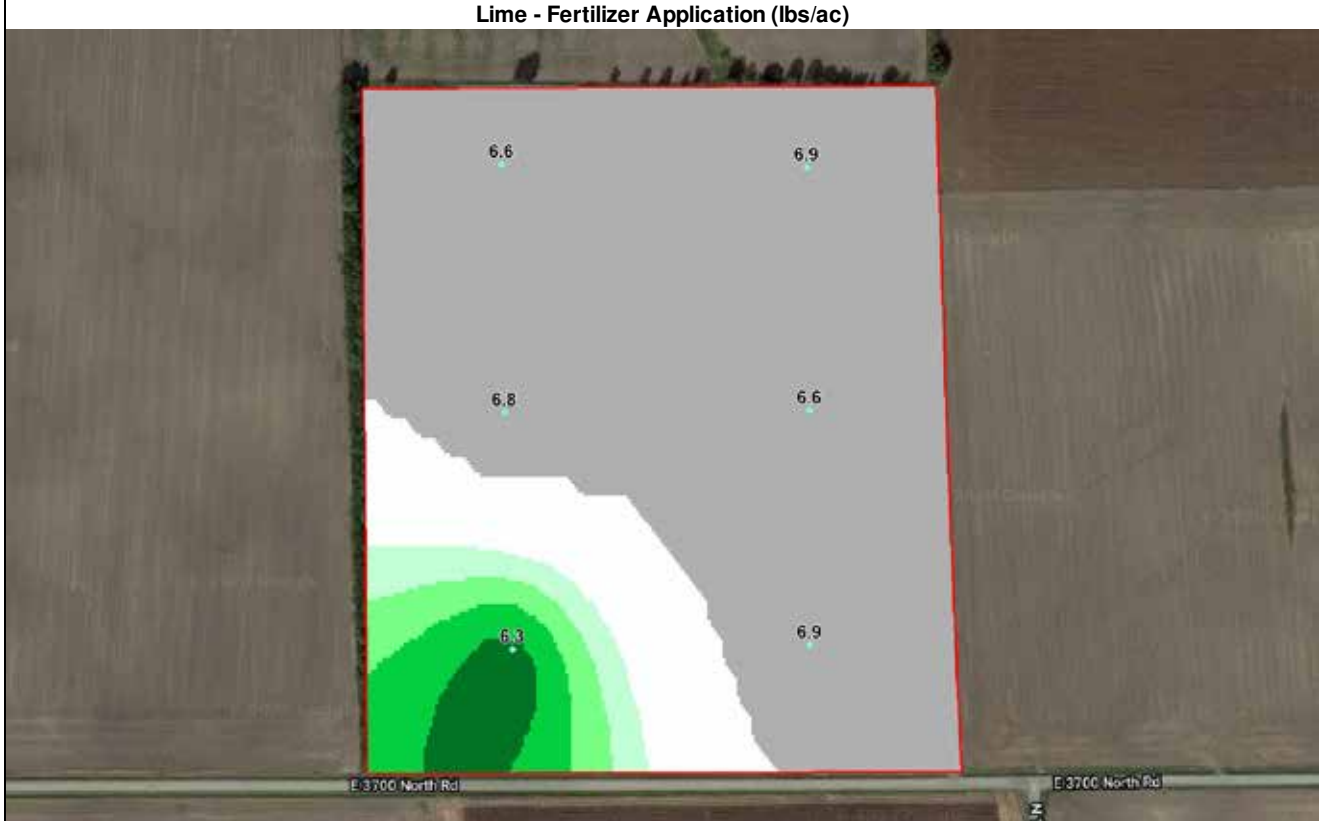


Soil Fertility

Grower: Schrader Real Estate & Auction Farm: Vermilion County

Field(s): Tract 3

### Lime - Fertilizer Application (lbs/ac)



Lab: Agricultural Soil Management      Custom Eq: L 5      Commodity: Corn-Soybeans      Sample Date: 2020-02-20

**Constraints:**

Target pH: 6.5

Max Rate: 6000.0 lbs/ac    Multiplier: N/A  
 Min Rate: 1000.0 lbs/ac    Subtract: N/A  
 Switch Rate: 500.0 lbs/ac

Minimum Application Rate:	1000.0 lbs/ac	Total Product:	15121.33 lbs
Maximum Application Rate:	1815.3 lbs/ac	Total Product Bulk:	7.56 ton
Average Application Rate:	1270.4 lbs/ac	Product Cost / Bulk:	\$0.0/ton
Application Area:	11.9 ac	Total Product Price:	\$0.0
Average Field Rate:	332.02 lbs/ac	Application Cost / Area:	\$0.0/ac
Total Area:	45.54 ac	Total Application Cost:	\$0.0
		Total Cost:	\$0.0

# Soil Test Report - Tract 3



Soil Fertility

## Fertilizer Application Summary

Grower: Schrader Real Estate & Auction  
 Farm: Vermilion County  
 Field(s): Tract 3

Commodity: Corn-Soybeans  
 Labs: Agricultural Soil Management

Selected Parameters					
Product	Rec %	Max Rate	Min Rate	+/-	Switch Rate
Lime	100	6000.0 lbs/ac	1000.0 lbs/ac	0.00	500.0 lbs/ac

Product	Wt App	Wt App Bulk	Applied Area	Product Cost	Est. Cost	Est. Cost/Area
Lime	15121.33 (lbs)	7.56 ton	11.90	\$0.0/ton	\$0.0	\$0.0/ac
Application				\$0.0 /ac	\$0.0	\$0.0/ac
Totals					\$0.00	\$0.0/ac

Field Summary					
Field	PLS ID	FSA ID	County	Area	Centroid
Tract 3	32 23N 12W	--	Vermilion	45.36 ac	40.402462, -87.726720



# Soil Test Report - Tract 3

**Grower:** Schrader Real Estate & Auction

**Farm:** Vermilion County

**Field:** Tract 3  
**Zone:** Not Specified

**Area:** 45.4

**Sample Date:** 2020-02-20

Phosphorous (P) lbs/ac



Min: 22.7 Max: 111.3 Avg: 65.4

Phosphorous (P) Range	Soil Levels	Area (ac)	Percent Acres
0-25	Very Low	0.91	0.68
25-35	Low	3.53	7.78
35-60	Optimal	5.82	15.04
60-90	High	8.47	18.87
90-200	Very High	26.22	67.81

Phosphorus (P) One of three primary nutrients, phosphorus is essential for plant growth, and a plant must access it to complete its normal production cycle. Plants absorb P from the soil as primary and secondary ortho-phosphates (H<sub>2</sub>PO<sub>4</sub><sup>-</sup> and HPO<sub>4</sub><sup>2-</sup>).

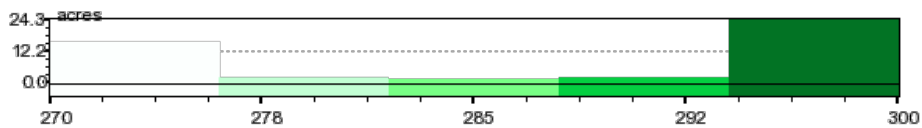
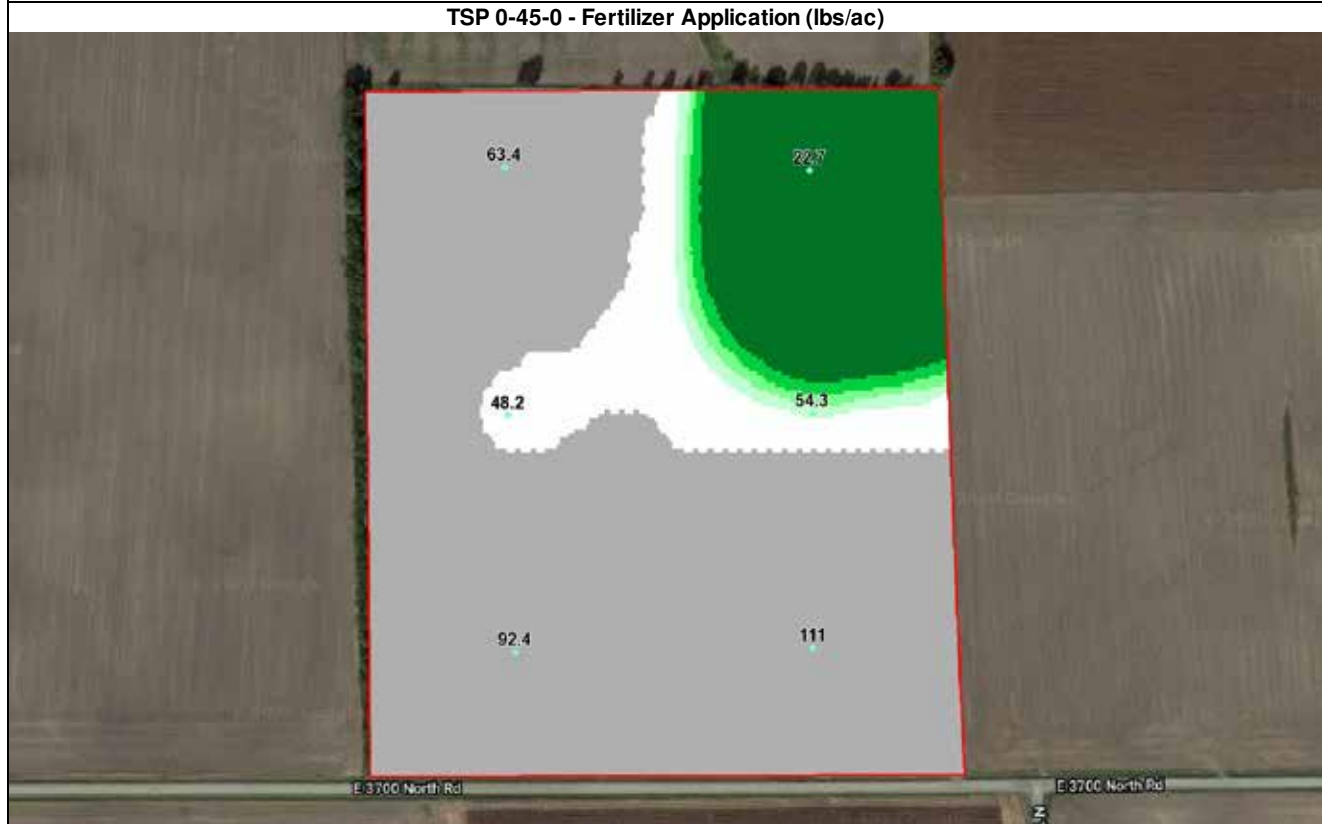
# Soil Test Report - Tract 3



Soil Fertility

Grower: Schrader Real Estate & Auction Farm: Vermilion County

Field(s): Tract 3



Lab: Agricultural Soil Management    Custom Eq: P 4 w/ YIELD    Commodity: Corn-Soybeans    Sample Date: 2020-02-20

**Constraints:**

Corn Yield: 210 bu/ac    Bean Yield: 70 bu/ac

Max Rate: 300.0 lbs/ac    Multiplier: N/A

Min Rate: 270.0 lbs/ac    Subtract: N/A

Switch Rate: 220.0 lbs/ac

Minimum Application Rate: 270.0 lbs/ac  
 Maximum Application Rate: 300.0 lbs/ac  
 Average Application Rate: 287.99 lbs/ac  
 Application Area: 14.06 ac  
 Average Field Rate: 88.92 lbs/ac  
 Total Area: 45.54 ac

Total Product: 4049.95 lbs  
 Total Product Bulk: 2.02 ton  
 Product Cost / Bulk: \$0.0/ton  
 Total Product Price: \$0.0  
 Application Cost / Area: \$0.0/ac  
 Total Application Cost: \$0.0  
 Total Cost: \$0.0

# Soil Test Report - Tract 3



Soil Fertility

## Fertilizer Application Summary

Grower: Schrader Real Estate & Auction  
 Farm: Vermilion County  
 Field(s): Tract 3

Commodity: Corn-Soybeans  
 Labs: Agricultural Soil Management

Selected Parameters					
Product	Rec %	Max Rate	Min Rate	+/-	Switch Rate
TSP 0-45-0	100	300.0 lbs/ac	270.0 lbs/ac	0.00	220.0 lbs/ac

Product	Wt App	Wt App Bulk	Applied Area	Product Cost	Est. Cost	Est. Cost/Area
TSP 0-45-0	4049.95 (lbs)	2.02 ton	14.06	\$0.0/ton	\$0.0	\$0.0/ac
Application				\$0.0 /ac	\$0.0	\$0.0/ac
Totals					\$0.00	\$0.0/ac

Field Summary					
Field	PLS ID	FSA ID	County	Area	Centroid
Tract 3	32 23N 12W	--	Vermilion	45.36 ac	40.402462, -87.726720

# Soil Test Report - Tract 3

**Grower:** Schrader Real Estate & Auction

**Farm:** Vermilion County

**Field:** Tract 3 **Zone:** Not Specified

**Area:** 45.4

**Sample Date:** 2020-02-20

Potassium (K) lbs/ac



Min: 250.88 Max: 645.35 Avg: 427.91

Potassium (K) Range	Soil Levels	Area (ac)	Percent Acres
0-200	Very Low	0.0	0.0
200-300	Low	4.98	10.05
300-400	Optimal	13.1	28.88
400-450	High	13.18	29.02
450-1200	Very High	14.54	32.06

Potassium (K) is one of the essential nutrients and is taken up in significant amounts by crops. Potassium is vital to photosynthesis, protein synthesis and many other functions in plants. It is classified as a macro-nutrient, as are nitrogen (N) and phosphorus (P). Plants take up K in its ionic form (K+).



# Soil Test Report - Tract 3

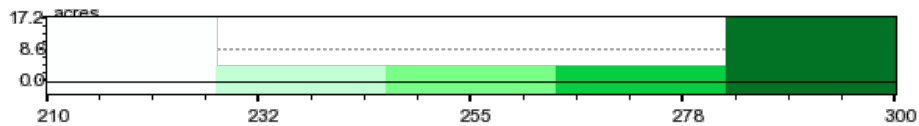
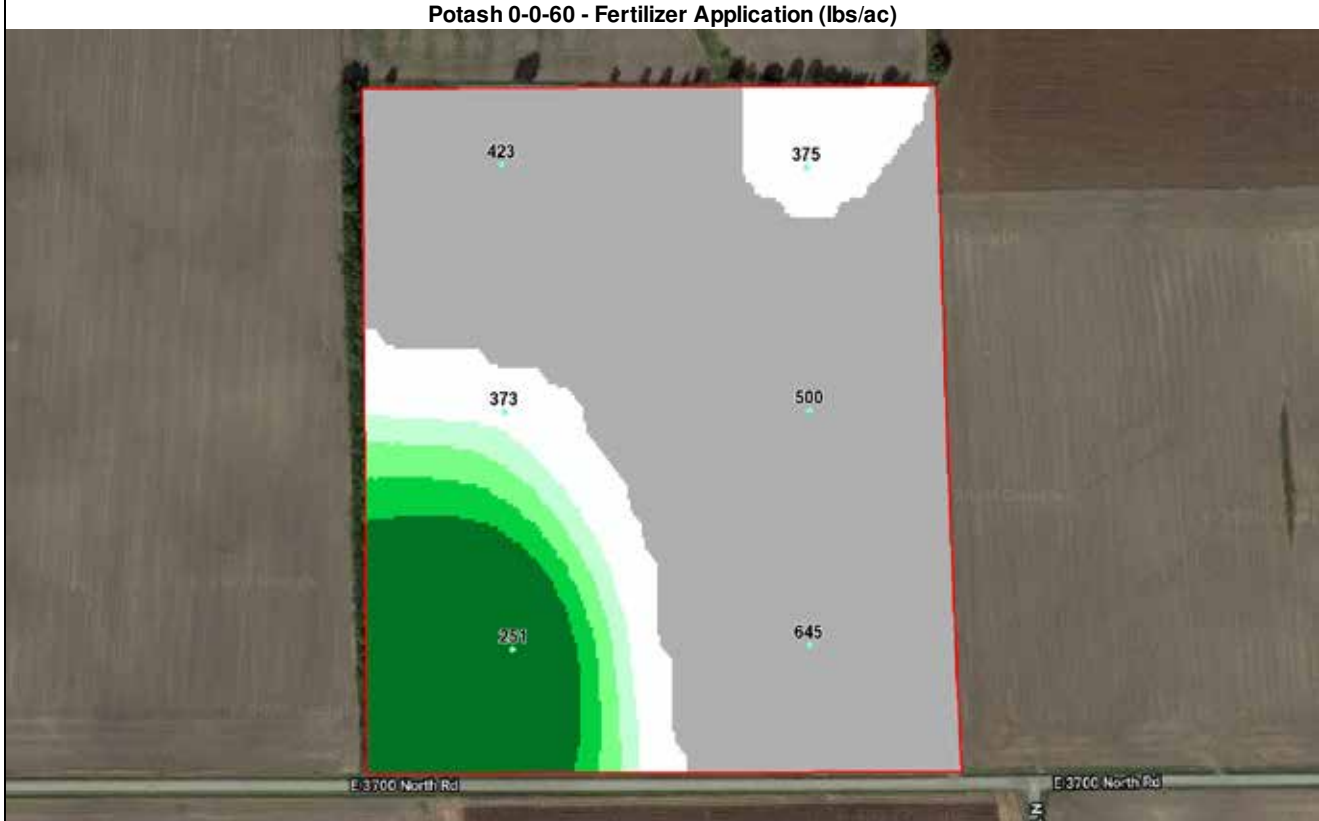


Soil Fertility

Grower: Schrader Real Estate & Auction Farm: Vermilion County

Field(s): Tract 3

Potash 0-0-60 - Fertilizer Application (lbs/ac)



Lab: Agricultural Soil Management    Custom Eq: K 01 w/ YIELD    Commodity: Corn-Soybeans    Sample Date: 2020-02-20

**Constraints:**

Corn Yield: 210 bu/ac    Bean Yield: 70 bu/ac

Max Rate: 300.0 lbs/ac    Multiplier: N/A

Min Rate: 210.0 lbs/ac    Subtract: N/A

Switch Rate: 160.0 lbs/ac

Minimum Application Rate: 210.0 lbs/ac  
 Maximum Application Rate: 300.0 lbs/ac  
 Average Application Rate: 255.49 lbs/ac  
 Application Area: 15.03 ac  
 Average Field Rate: 84.34 lbs/ac  
 Total Area: 45.54 ac

Total Product: 3840.99 lbs  
 Total Product Bulk: 1.92 ton  
 Product Cost / Bulk: \$0.0/ton  
 Total Product Price: \$0.0  
 Application Cost / Area: \$0.0/ac  
 Total Application Cost: \$0.0  
 Total Cost: \$0.0

# Soil Test Report - Tract 3



Soil Fertility

## Fertilizer Application Summary

Grower: Schrader Real Estate & Auction  
 Farm: Vermilion County  
 Field(s): Tract 3

Commodity: Corn-Soybeans  
 Labs: Agricultural Soil Management

Selected Parameters					
Product	Rec %	Max Rate	Min Rate	+/-	Switch Rate
Potash 0-0-60	100	300.0 lbs/ac	210.0 lbs/ac	0.00	160.0 lbs/ac

Product	Wt App	Wt App Bulk	Applied Area	Product Cost	Est. Cost	Est. Cost/Area
Potash 0-0-60	3840.99 (lbs)	1.92 ton	15.03	\$0.0/ton	\$0.0	\$0.0/ac
Application				\$0.0 /ac	\$0.0	\$0.0/ac
Totals					\$0.00	\$0.0/ac

Field Summary					
Field	PLS ID	FSA ID	County	Area	Centroid
Tract 3	32 23N 12W	--	Vermilion	45.36 ac	40.402462, -87.726720

# Soil Test Report - Tract 4

## Schrader Real Estate & Auction Soil Test Report 2020



**Vermilion County**  
**Tract 4**  
42.4A sec31 GRANT

# Soil Test Report - Tract 4



Quick Map

Grower: Schrader Real Estate & Auction

Farm: Vermilion County

Field: Tract 4



Label	Area
White	42.43

Notes:



# Soil Test Report - Tract 4



Field Sample Summary

Location	Grower	Farm	Field	Area	Centroid
ASM	Schrader Real Estate & Auction	Vermilion County	Tract 4	42.43 acres	40.409297, -87.745916



		Min	Max	Avg
P	22.1	54.2	36.0	
K	342.83	575.81	459.74	
pH	6.3	6.8	6.5	
OM	2.5	3.0	2.6	

Sample Date: 2020-02-20  
 Soil Lab: Agricultural Soil Management

ID	P lbs/ac	K lbs/ac	pH	OM %
1	54.2	564.36	6.3	3.0
2	34.5	355.95	6.4	2.5
3	22.1	575.81	6.4	2.5
4	33.1	342.83	6.8	2.5

# Soil Test Report - Tract 4



Elemental Field Sample Report

**Grower:** Schrader Real Estate & Auction

**Farm:** Vermilion County

**Field:** Tract 4  
**Zone:** Not Specified

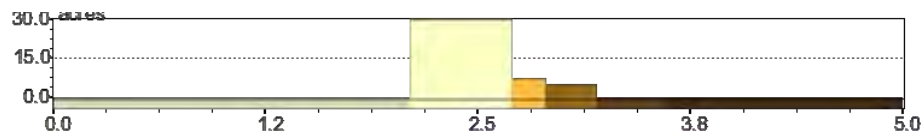
**Area:** 42.4

**Sample Date:** 2020-02-20

Organic Matter (OM) %



Min: 2.5 Max: 3.0 Avg: 2.6



# Soil Test Report - Tract 4

**Grower:** Schrader Real Estate & Auction

**Farm:** Vermilion County

**Field:** Tract 4  
**Zone:** Not Specified  
(pH)

**Area:** 42.4

**Sample Date:** 2020-02-20



Min: 6.3 Max: 6.8 Avg: 6.5

(pH)	Soil Levels	Area (ac)	Percent Acres
4.5-5.0	Very Low	0.0	0.0
5.0-6.0	Low	0.0	0.0
6.0-6.2	Optimal	0.0	0.0
6.2-6.5	High	27.79	65.5
6.5-6	Very High	14.63	34.48

# Soil Test Report - Tract 4

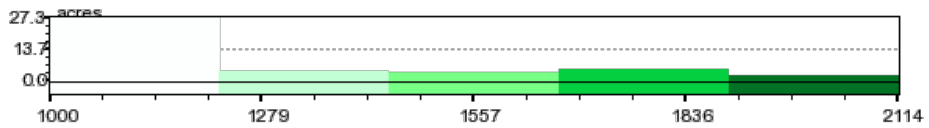
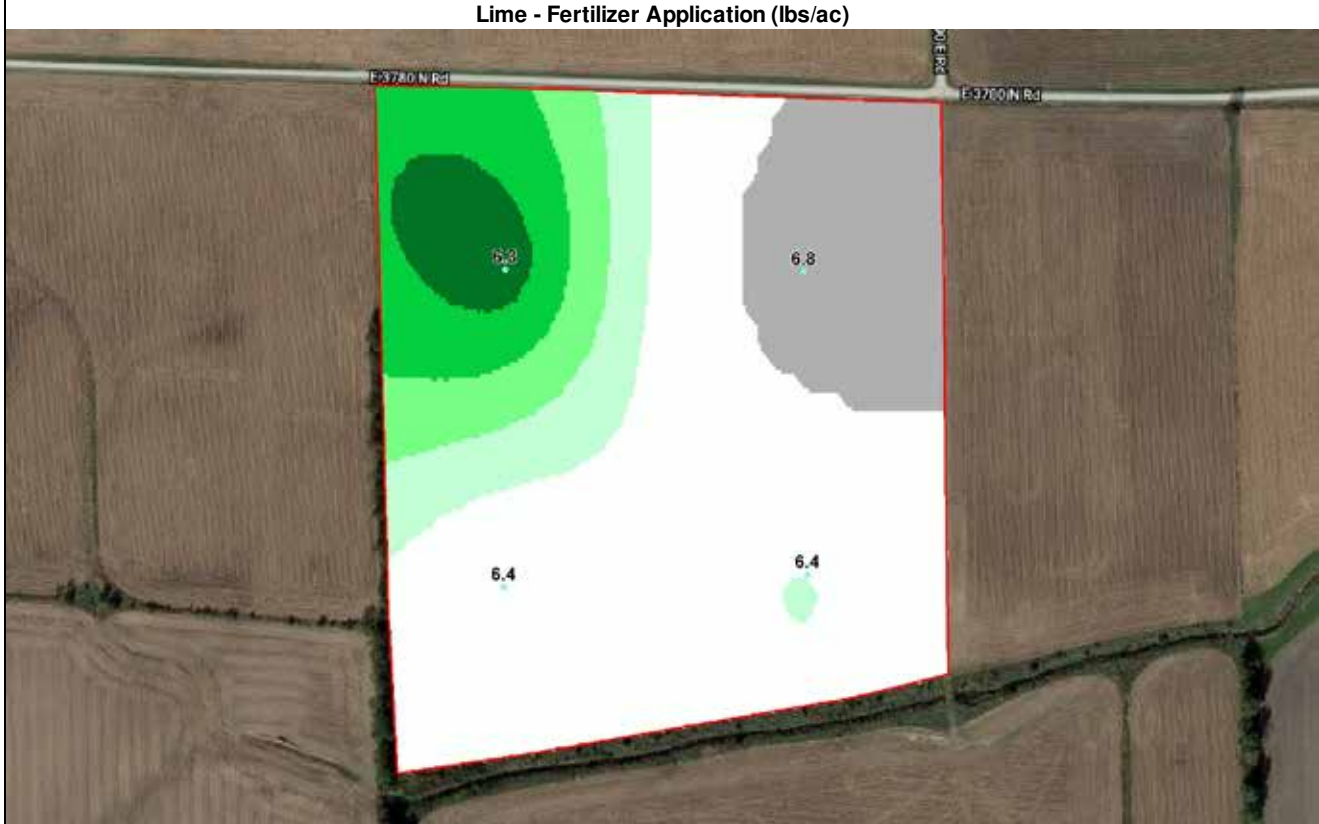


Soil Fertility

Grower: Schrader Real Estate & Auction Farm: Vermilion County

Field(s): Tract 4

## Lime - Fertilizer Application (lbs/ac)



Lab: Agricultural Soil Management      Custom Eq: L 5      Commodity: Corn-Soybeans      Sample Date: 2020-02-20

**Constraints:**

Target pH: 6.5

Max Rate: 6000.0 lbs/ac    Multiplier: N/A  
 Min Rate: 1000.0 lbs/ac    Subtract: N/A  
 Switch Rate: 500.0 lbs/ac

Minimum Application Rate:	1000.0 lbs/ac	Total Product:	44398.89 lbs
Maximum Application Rate:	2114.1 lbs/ac	Total Product Bulk:	22.20 ton
Average Application Rate:	1240.28 lbs/ac	Product Cost / Bulk:	\$0.0/ton
Application Area:	35.8 ac	Total Product Price:	\$0.0
Average Field Rate:	1044.62 lbs/ac	Application Cost / Area:	\$0.0/ac
Total Area:	42.5 ac	Total Application Cost:	\$0.0
		Total Cost:	\$0.0



# Soil Test Report - Tract 4



Soil Fertility

## Fertilizer Application Summary

Grower: Schrader Real Estate & Auction  
 Farm: Vermilion County  
 Field(s): Tract 4

Commodity: Corn-Soybeans  
 Labs: Agricultural Soil Management

Selected Parameters					
Product	Rec %	Max Rate	Min Rate	+/-	Switch Rate
Lime	100	6000.0 lbs/ac	1000.0 lbs/ac	0.00	500.0 lbs/ac

Product	Wt App	Wt App Bulk	Applied Area	Product Cost	Est. Cost	Est. Cost/Area
Lime	44398.89 (lbs)	22.20 ton	35.80	\$0.0/ton	\$0.0	\$0.0/ac
Application				\$0.0 /ac	\$0.0	\$0.0/ac
Totals					\$0.00	\$0.0/ac

Field Summary					
Field	PLS ID	FSA ID	County	Area	Centroid
Tract 4	31 23N 12W	--	Vermilion	42.43 ac	40.409297, -87.745916

# Soil Test Report - Tract 4

**Grower:** Schrader Real Estate & Auction

**Farm:** Vermilion County

**Field:** Tract 4  
**Zone:** Not Specified

**Area:** 42.4

**Sample Date:** 2020-02-20

Phosphorous (P) lbs/ac



Min: 22.1 Max: 54.2 Avg: 36.0

Phosphorous (P) Range	Soil Levels	Area (ac)	Percent Area
0-25	Very Low	5.14	12.11
25-35	Low	16.26	38.37
35-60	Optimal	15.08	36.05
60-80	High	5.32	12.54
80-200	Very High	0.0	0.0

Phosphorus (P) One of three primary nutrients, phosphorus is essential for plant growth, and a plant must access it to complete its normal production cycle. Plants absorb P from the soil as primary and secondary ortho-phosphates (H<sub>2</sub>PO<sub>4</sub><sup>-</sup> and HPO<sub>4</sub><sup>2-</sup>).

# Soil Test Report - Tract 4

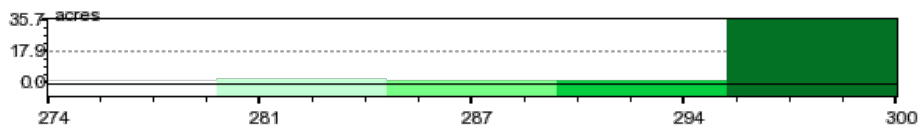


Soil Fertility

Grower: Schrader Real Estate & Auction Farm: Vermilion County

Field(s): Tract 4

TSP 0-45-0 - Fertilizer Application (lbs/ac)



Lab: Agricultural Soil Management    Custom Eq: P 4 w/ YIELD    Commodity: Corn-Soybeans    Sample Date: 2020-02-20

**Constraints:**

Corn Yield: 210 bu/ac	Bean Yield: 70 bu/ac	Max Rate: 300.0 lbs/ac	Multiplier: N/A
		Min Rate: 270.0 lbs/ac	Subtract: N/A
		Switch Rate: 220.0 lbs/ac	

Minimum Application Rate:	274.2 lbs/ac	Total Product:	12641.35 lbs
Maximum Application Rate:	300.0 lbs/ac	Total Product Bulk:	6.32 ton
Average Application Rate:	297.43 lbs/ac	Product Cost / Bulk:	\$0.0/ton
Application Area:	42.5 ac	Total Product Price:	\$0.0
Average Field Rate:	297.43 lbs/ac	Application Cost / Area:	\$0.0/ac
Total Area:	42.5 ac	Total Application Cost:	\$0.0
		Total Cost:	\$0.0

# Soil Test Report - Tract 4



Soil Fertility

## Fertilizer Application Summary

Grower: Schrader Real Estate & Auction  
 Farm: Vermilion County  
 Field(s): Tract 4

Commodity: Corn-Soybeans  
 Labs: Agricultural Soil Management

Selected Parameters					
Product	Rec %	Max Rate	Min Rate	+/-	Switch Rate
TSP 0-45-0	100	300.0 lbs/ac	270.0 lbs/ac	0.00	220.0 lbs/ac

Product	Wt App	Wt App Bulk	Applied Area	Product Cost	Est. Cost	Est. Cost/Area
TSP 0-45-0	12641.35 (lbs)	6.32 ton	42.50	\$0.0/ton	\$0.0	\$0.0/ac
Application				\$0.0 /ac	\$0.0	\$0.0/ac
Totals					\$0.00	\$0.0/ac

Field Summary					
Field	PLS ID	FSA ID	County	Area	Centroid
Tract 4	31 23N 12W	--	Vermilion	42.43 ac	40.409297, -87.745916



# Soil Test Report - Tract 4

**Grower:** Schrader Real Estate & Auction

**Farm:** Vermilion County

**Field:** Tract 4  
**Zone:** Not Specified

**Area:** 42.4

**Sample Date:** 2020-02-20

Potassium (K) lbs/ac



Min: 342.83 Max: 575.81 Avg: 459.74

Potassium (K) Range	Soil Levels	Area (ac)	Percent Acres
0-200	Very Low	0.0	0.0
200-300	Low	0.6	0.0
300-400	Optimal	9.42	22.2
400-400	High	9.37	22.08
400-1200	Very High	23.64	55.72

Potassium (K) is one of the essential nutrients and is taken up in significant amounts by crops. Potassium is vital to photosynthesis, protein synthesis and many other functions in plants. It is classified as a macro-nutrient, as are nitrogen (N) and phosphorus (P). Plants take up K in its ionic form (K+).

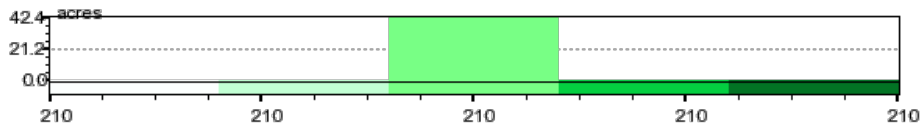
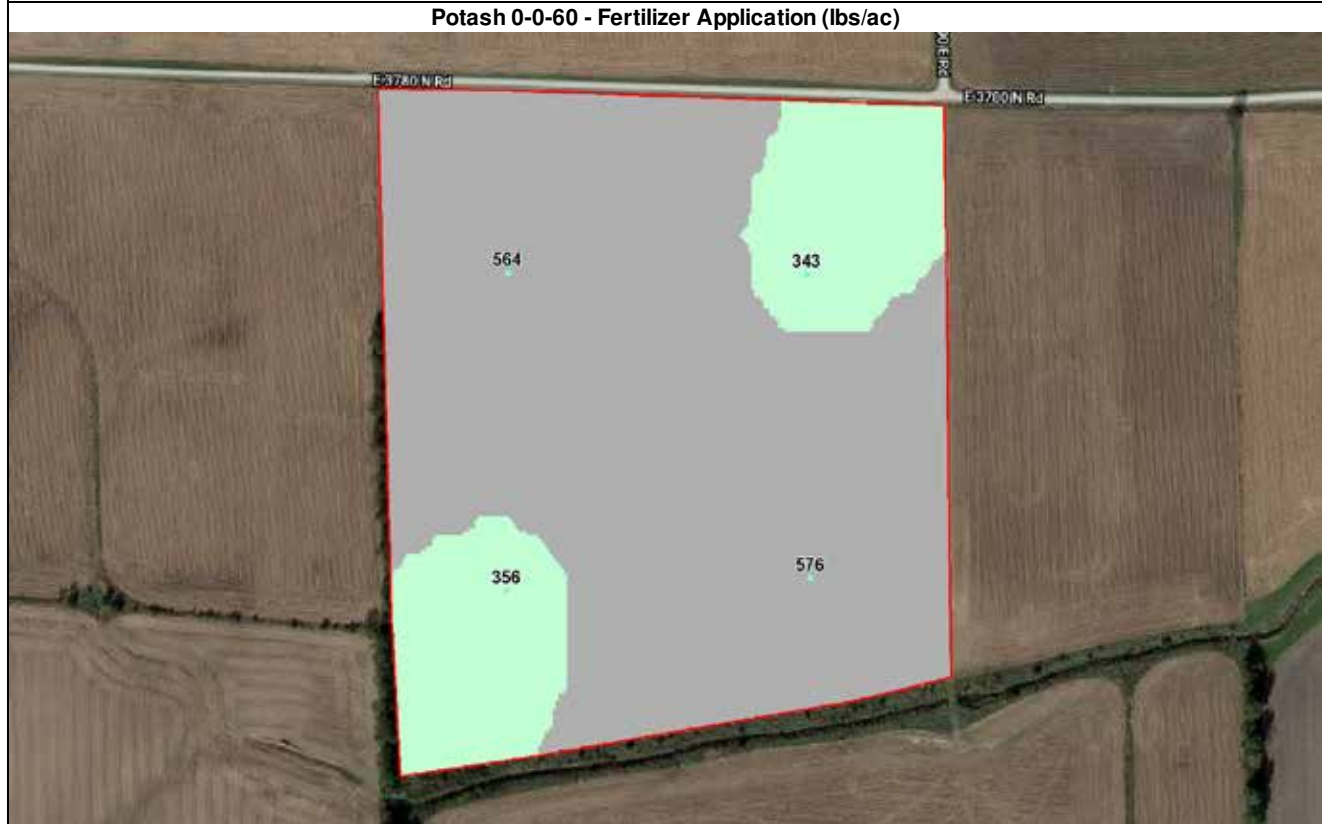
# Soil Test Report - Tract 4



Soil Fertility

Grower: Schrader Real Estate & Auction Farm: Vermilion County

Field(s): Tract 4



Lab: Agricultural Soil Management    Custom Eq: K 01 w/ YIELD    Commodity: Corn-Soybeans    Sample Date: 2020-02-20

**Constraints:**

Corn Yield: 210 bu/ac    Bean Yield: 70 bu/ac

Max Rate: 300.0 lbs/ac    Multiplier: N/A

Min Rate: 210.0 lbs/ac    Subtract: N/A

Switch Rate: 160.0 lbs/ac

Minimum Application Rate: 210.0 lbs/ac

Total Product: 1929.8 lbs

Maximum Application Rate: 210.0 lbs/ac

Total Product Bulk: 0.96 ton

Average Application Rate: 210.0 lbs/ac

Product Cost / Bulk: \$0.0/ton

Application Area: 9.19 ac

Total Product Price: \$0.0

Average Field Rate: 45.40 lbs/ac

Application Cost / Area: \$0.0/ac

Total Area: 42.5 ac

Total Application Cost: \$0.0

Total Cost: \$0.0

# Soil Test Report - Tract 4



Soil Fertility

## Fertilizer Application Summary

Grower: Schrader Real Estate & Auction  
 Farm: Vermilion County  
 Field(s): Tract 4

Commodity: Corn-Soybeans  
 Labs: Agricultural Soil Management

Selected Parameters					
Product	Rec %	Max Rate	Min Rate	+/-	Switch Rate
Potash 0-0-60	100	300.0 lbs/ac	210.0 lbs/ac	0.00	160.0 lbs/ac

Product	Wt App	Wt App Bulk	Applied Area	Product Cost	Est. Cost	Est. Cost/Area
Potash 0-0-60	1929.80 (lbs)	0.96 ton	9.19	\$0.0/ton	\$0.0	\$0.0/ac
Application				\$0.0 /ac	\$0.0	\$0.0/ac
Totals					\$0.00	\$0.0/ac

Field Summary					
Field	PLS ID	FSA ID	County	Area	Centroid
Tract 4	31 23N 12W	--	Vermilion	42.43 ac	40.409297, -87.745916

# Soil Test Report - Tract 5

## Schrader Real Estate & Auction Soil Test Report 2020



**Vermilion County**  
**Tract 5**  
18.6A sec32 GRANT

# Soil Test Report - Tract 5

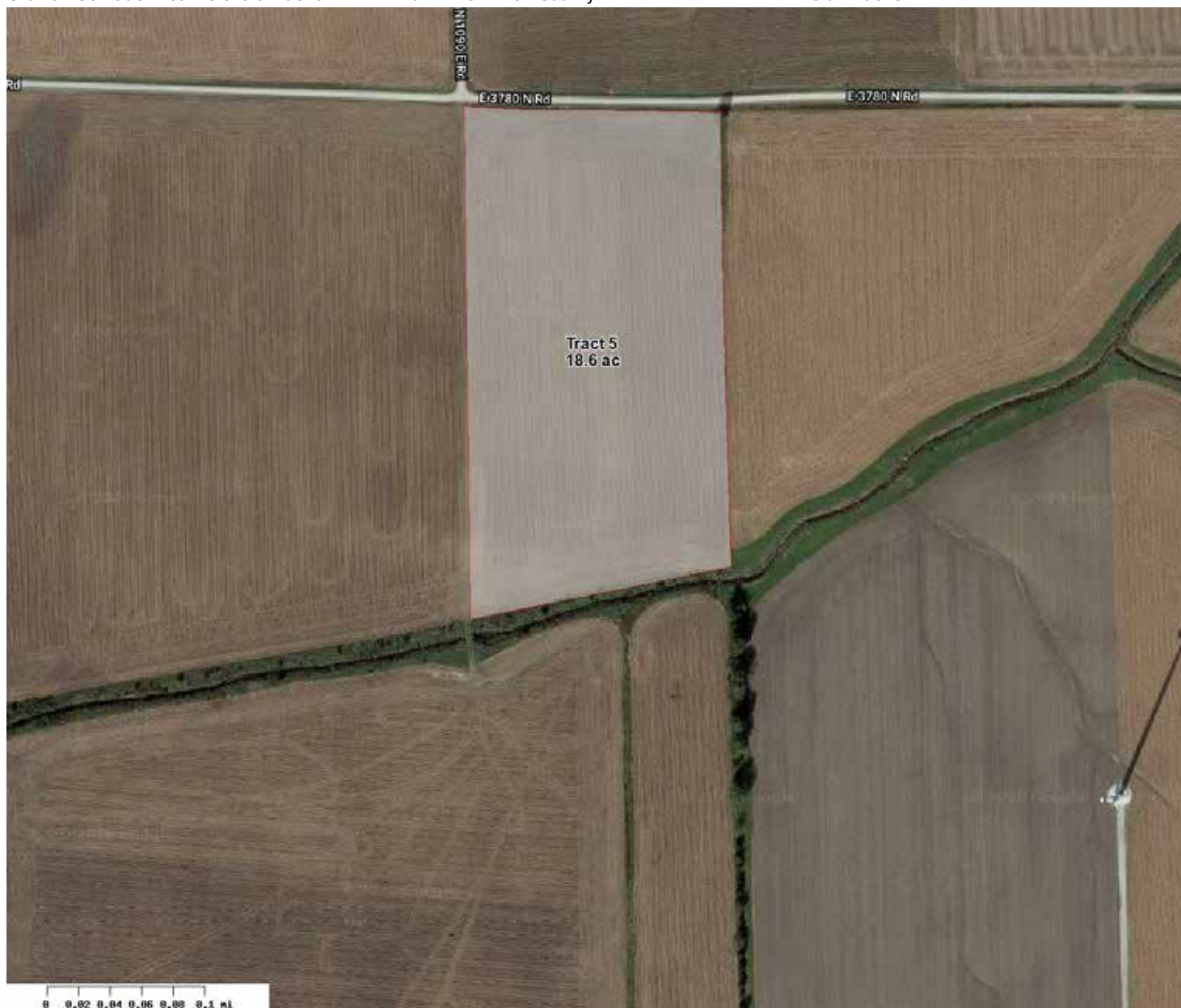


Quick Map

Grower: Schrader Real Estate & Auction

Farm: Vermilion County

Field: Tract 5



Label	Area
White	18.59

Notes:

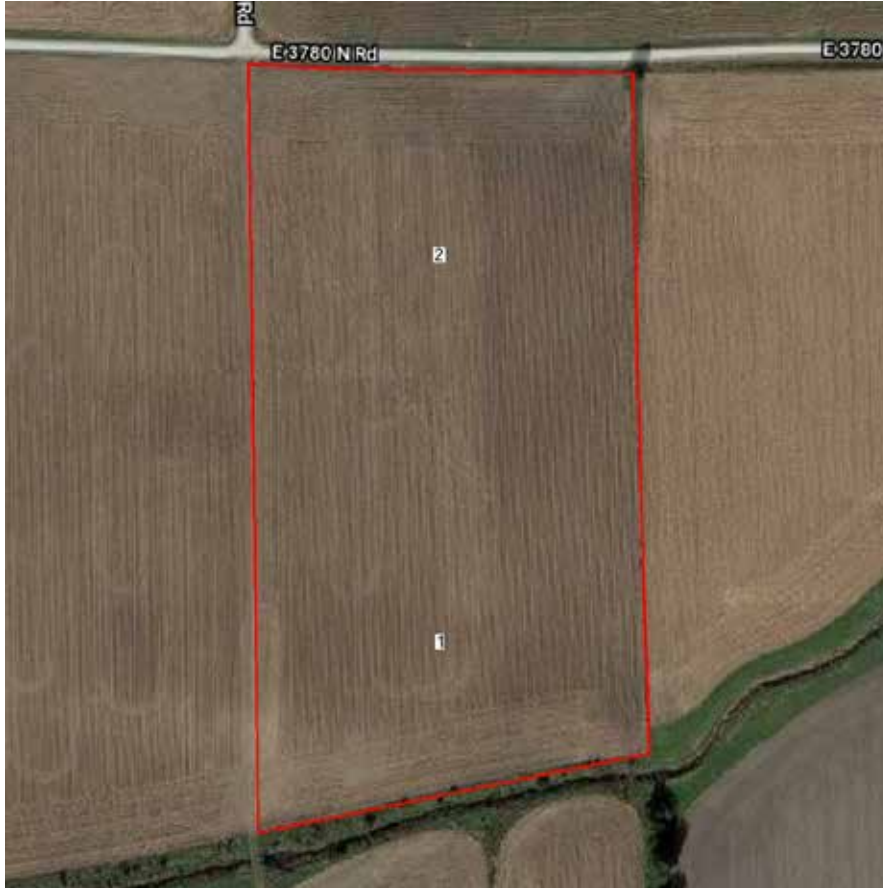


# Soil Test Report - Tract 5



Field Sample Summary

Location	Grower	Farm	Field	Area	Centroid
ASM	Schrader Real Estate & Auction	Vermilion County	Tract 5	18.59 acres	40.409494, -87.742374



		Min	Max	Avg
P	12.9	41.5	27.2	
K	300.07	397.01	348.54	
pH	6.8	7.1	6.9	
OM	3.0	3.0	3.0	

Sample Date: 2020-02-20  
 Soil Lab: Agricultural Soil Management

ID	P lbs/ac	K lbs/ac	pH	OM %
1	41.5	300.07	6.8	3.0
2	12.9	397.01	7.1	3.0

# Soil Test Report - Tract 5



Elemental Field Sample Report

**Grower:** Schrader Real Estate & Auction

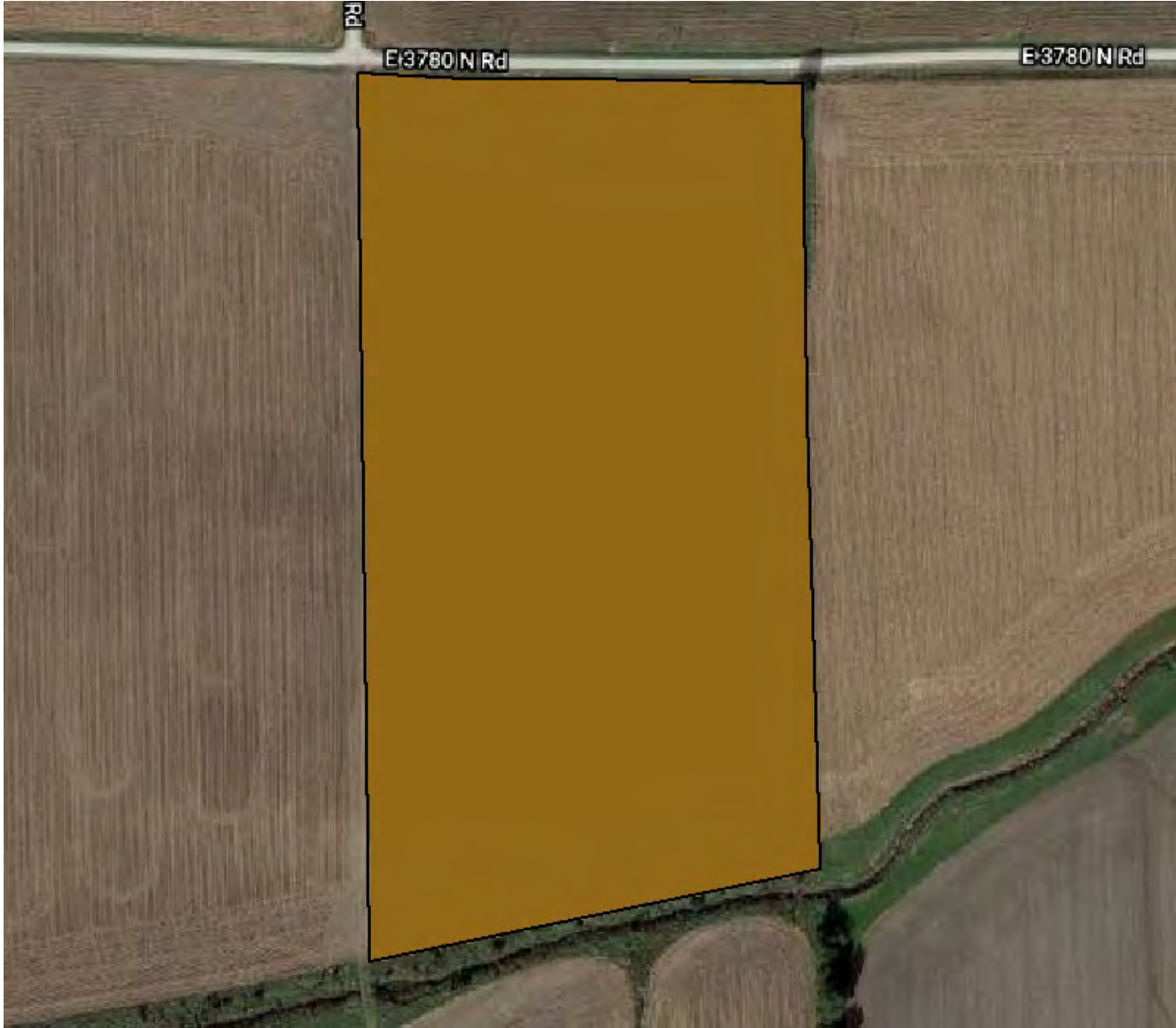
**Farm:** Vermilion County

**Field:** Tract 5 **Zone:** Not Specified

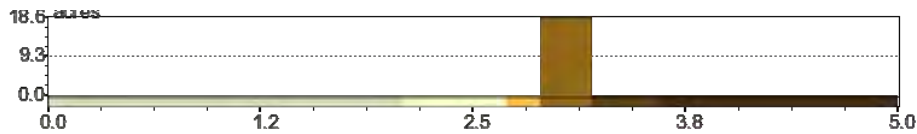
**Area:** 18.6

**Sample Date:** 2020-02-20

Organic Matter (OM) %



Min: 3.0 Max: 3.0 Avg: 3.0



# Soil Test Report - Tract 5



Elemental Field Sample Report

**Grower:** Schrader Real Estate & Auction

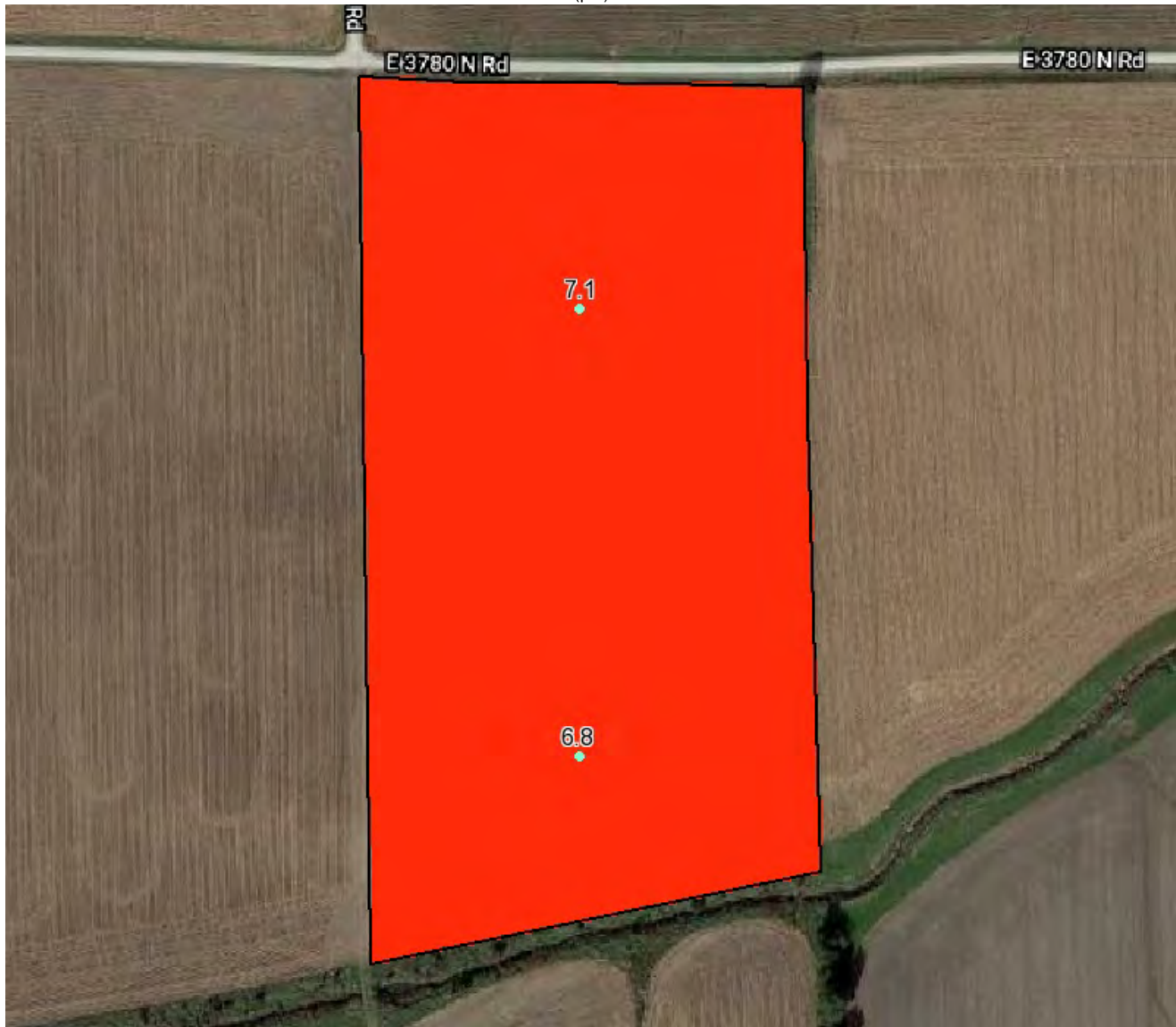
**Farm:** Vermilion County

**Field:** Tract 5 **Zone:** Not Specified

**Area:** 18.6

**Sample Date:** 2020-02-20

(pH)



Min: 6.8 Max: 7.1 Avg: 6.9

(pH)	Soil Levels	Area (ac)	Percent Acres
4.5-5.0	Very Low	0.0	0.0
5.0-6.0	Low	0.0	0.0
6.0-6.2	Optimal	0.0	0.0
6.2-6.5	High	0.0	0.0
6.5-6	Very High	18.59	100.02

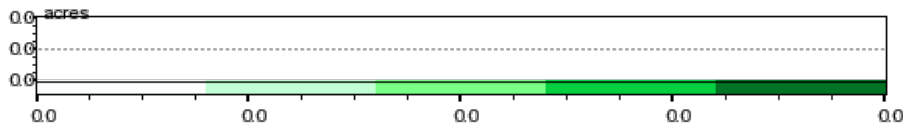
# Soil Test Report - Tract 5



Soil Fertility

Grower: Schrader Real Estate & Auction Farm: Vermilion County

Field(s): Tract 5



Lab: Agricultural Soil Management    Custom Eq: L 5    Commodity: Corn-Soybeans    Sample Date: 2020-02-20

**Constraints:**

Target pH: 6.5	Max Rate: 6000.0 lbs/ac	Multiplier: N/A
	Min Rate: 1000.0 lbs/ac	Subtract: N/A
	Switch Rate: 500.0 lbs/ac	

Minimum Application Rate:	0.0 lbs/ac	Total Product:	0.0 lbs
Maximum Application Rate:	0.0 lbs/ac	Total Product Bulk:	0.00 ton
Average Application Rate:	0.0 lbs/ac	Product Cost / Bulk:	\$0.0/ton
Application Area:	0.0 ac	Total Product Price:	\$0.0
Average Field Rate:	0.00 lbs/ac	Application Cost / Area:	\$0.0/ac
Total Area:	18.62 ac	Total Application Cost:	\$0.0
		Total Cost:	\$0.0

# Soil Test Report - Tract 5



Soil Fertility

## Fertilizer Application Summary

Grower: Schrader Real Estate & Auction  
 Farm: Vermilion County  
 Field(s): Tract 5

Commodity: Corn-Soybeans  
 Labs: Agricultural Soil Management

Selected Parameters					
Product	Rec %	Max Rate	Min Rate	+/-	Switch Rate
Lime	100	6000.0 lbs/ac	1000.0 lbs/ac	0.00	500.0 lbs/ac

Product	Wt App	Wt App Bulk	Applied Area	Product Cost	Est. Cost	Est. Cost/Area
Lime	0.00 (lbs)	0.00 ton	0.00	\$0.0/ton	\$0.0	\$0.0/ac
Application				\$0.0 /ac	\$0.0	\$0.0/ac
Totals					\$0.00	\$0.0/ac

Field Summary					
Field	PLS ID	FSA ID	County	Area	Centroid
Tract 5	32 23N 12W	--	Vermilion	18.59 ac	40.409494, -87.742374



# Soil Test Report - Tract 5



Elemental Field Sample Report

**Grower:** Schrader Real Estate & Auction

**Farm:** Vermilion County

**Field:** Tract 5 **Zone:** Not Specified

**Area:** 18.6

**Sample Date:** 2020-02-20

Phosphorous (P) lbs/ac



Min: 12.9 Max: 41.5 Avg: 27.2

Phosphorous (P) Range	Soil Levels	Area (ac)	Percent Acres
0-25	Very Low	9.02	48.53
25-35	Low	4.51	24.27
35-60	Optimal	5.05	27.17
60-80	High	0.0	0.0
80-200	Very High	0.0	0.0

Phosphorus (P) One of three primary nutrients, phosphorus is essential for plant growth, and a plant must access it to complete its normal production cycle. Plants absorb P from the soil as primary and secondary ortho-phosphates (H<sub>2</sub>PO<sub>4</sub>- and HPO<sub>4</sub><sup>2-</sup>).

# Soil Test Report - Tract 5

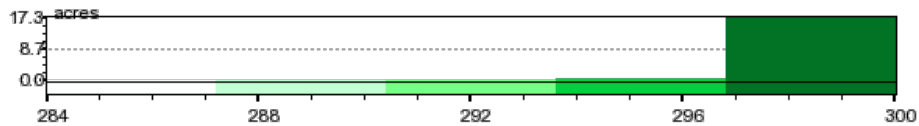


Soil Fertility

Grower: Schrader Real Estate & Auction Farm: Vermilion County

Field(s): Tract 5

TSP 0-45-0 - Fertilizer Application (lbs/ac)



Lab: Agricultural Soil Management    Custom Eq: P 4 w/ YIELD    Commodity: Corn-Soybeans    Sample Date: 2020-02-20

**Constraints:**

Corn Yield: 210 bu/ac    Bean Yield: 70 bu/ac

Max Rate: 300.0 lbs/ac    Multiplier: N/A

Min Rate: 270.0 lbs/ac    Subtract: N/A

Switch Rate: 220.0 lbs/ac

Minimum Application Rate: 283.6 lbs/ac  
 Maximum Application Rate: 300.0 lbs/ac  
 Average Application Rate: 299.4 lbs/ac  
 Application Area: 18.62 ac  
 Average Field Rate: 299.40 lbs/ac  
 Total Area: 18.62 ac

Total Product: 5575.7 lbs  
 Total Product Bulk: 2.79 ton  
 Product Cost / Bulk: \$0.0/ton  
 Total Product Price: \$0.0  
 Application Cost / Area: \$0.0/ac  
 Total Application Cost: \$0.0  
 Total Cost: \$0.0

# Soil Test Report - Tract 5



Soil Fertility

## Fertilizer Application Summary

Grower: Schrader Real Estate & Auction  
 Farm: Vermilion County  
 Field(s): Tract 5

Commodity: Corn-Soybeans  
 Labs: Agricultural Soil Management

Selected Parameters					
Product	Rec %	Max Rate	Min Rate	+/-	Switch Rate
TSP 0-45-0	100	300.0 lbs/ac	270.0 lbs/ac	0.00	220.0 lbs/ac

Product	Wt App	Wt App Bulk	Applied Area	Product Cost	Est. Cost	Est. Cost/Area
TSP 0-45-0	5575.70 (lbs)	2.79 ton	18.62	\$0.0/ton	\$0.0	\$0.0/ac
Application				\$0.0 /ac	\$0.0	\$0.0/ac
Totals					\$0.00	\$0.0/ac

Field Summary					
Field	PLS ID	FSA ID	County	Area	Centroid
Tract 5	32 23N 12W	--	Vermilion	18.59 ac	40.409494, -87.742374

# Soil Test Report - Tract 5



Elemental Field Sample Report

**Grower:** Schrader Real Estate & Auction

**Farm:** Vermilion County

**Field:** Tract 5 **Zone:** Not Specified

**Area:** 18.6

**Sample Date:** 2020-02-20

Potassium (K) lbs/ac



Min: 300.07 Max: 397.01 Avg: 348.54

Potassium (K) Range	Soil Levels	Area (ac)	Percent Acres
0-200	Very Low	0.0	0.0
200-300	Low	0.2	1.08
300-400	Optimal	18.38	88.88
400-450	High	0.0	0.0
450-1200	Very High	0.0	0.0

Potassium (K) is one of the essential nutrients and is taken up in significant amounts by crops. Potassium is vital to photosynthesis, protein synthesis and many other functions in plants. It is classified as a macro-nutrient, as are nitrogen (N) and phosphorus (P). Plants take up K in its ionic form (K+).



# Soil Test Report - Tract 5

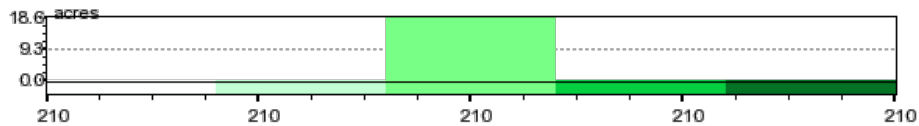


Soil Fertility

Grower: Schrader Real Estate & Auction Farm: Vermilion County

Field(s): Tract 5

Potash 0-0-60 - Fertilizer Application (lbs/ac)



Lab: Agricultural Soil Management    Custom Eq: K 01 w/ YIELD    Commodity: Corn-Soybeans    Sample Date: 2020-02-20

**Constraints:**

Corn Yield: 210 bu/ac    Bean Yield: 70 bu/ac

Max Rate: 300.0 lbs/ac    Multiplier: N/A

Min Rate: 210.0 lbs/ac    Subtract: N/A

Switch Rate: 160.0 lbs/ac

Minimum Application Rate: 210.0 lbs/ac  
 Maximum Application Rate: 210.0 lbs/ac  
 Average Application Rate: 210.0 lbs/ac  
 Application Area: 18.62 ac  
 Average Field Rate: 210.00 lbs/ac  
 Total Area: 18.62 ac

Total Product: 3910.86 lbs  
 Total Product Bulk: 1.96 ton  
 Product Cost / Bulk: \$0.0/ton  
 Total Product Price: \$0.0  
 Application Cost / Area: \$0.0/ac  
 Total Application Cost: \$0.0  
 Total Cost: \$0.0



# Soil Test Report - Tract 5



Soil Fertility

## Fertilizer Application Summary

Grower: Schrader Real Estate & Auction  
 Farm: Vermilion County  
 Field(s): Tract 5

Commodity: Corn-Soybeans  
 Labs: Agricultural Soil Management

Selected Parameters					
Product	Rec %	Max Rate	Min Rate	+/-	Switch Rate
Potash 0-0-60	100	300.0 lbs/ac	210.0 lbs/ac	0.00	160.0 lbs/ac

Product	Wt App	Wt App Bulk	Applied Area	Product Cost	Est. Cost	Est. Cost/Area
Potash 0-0-60	3910.86 (lbs)	1.96 ton	18.62	\$0.0/ton	\$0.0	\$0.0/ac
Application				\$0.0 /ac	\$0.0	\$0.0/ac
Totals					\$0.00	\$0.0/ac

Field Summary					
Field	PLS ID	FSA ID	County	Area	Centroid
Tract 5	32 23N 12W	--	Vermilion	18.59 ac	40.409494, -87.742374

# Soil Test Report - Tract 6

## Schrader Real Estate & Auction Soil Test Report 2020



**Vermilion County**  
**Tract 6**  
50.2A sec31 GRANT

# Soil Test Report - Tract 6

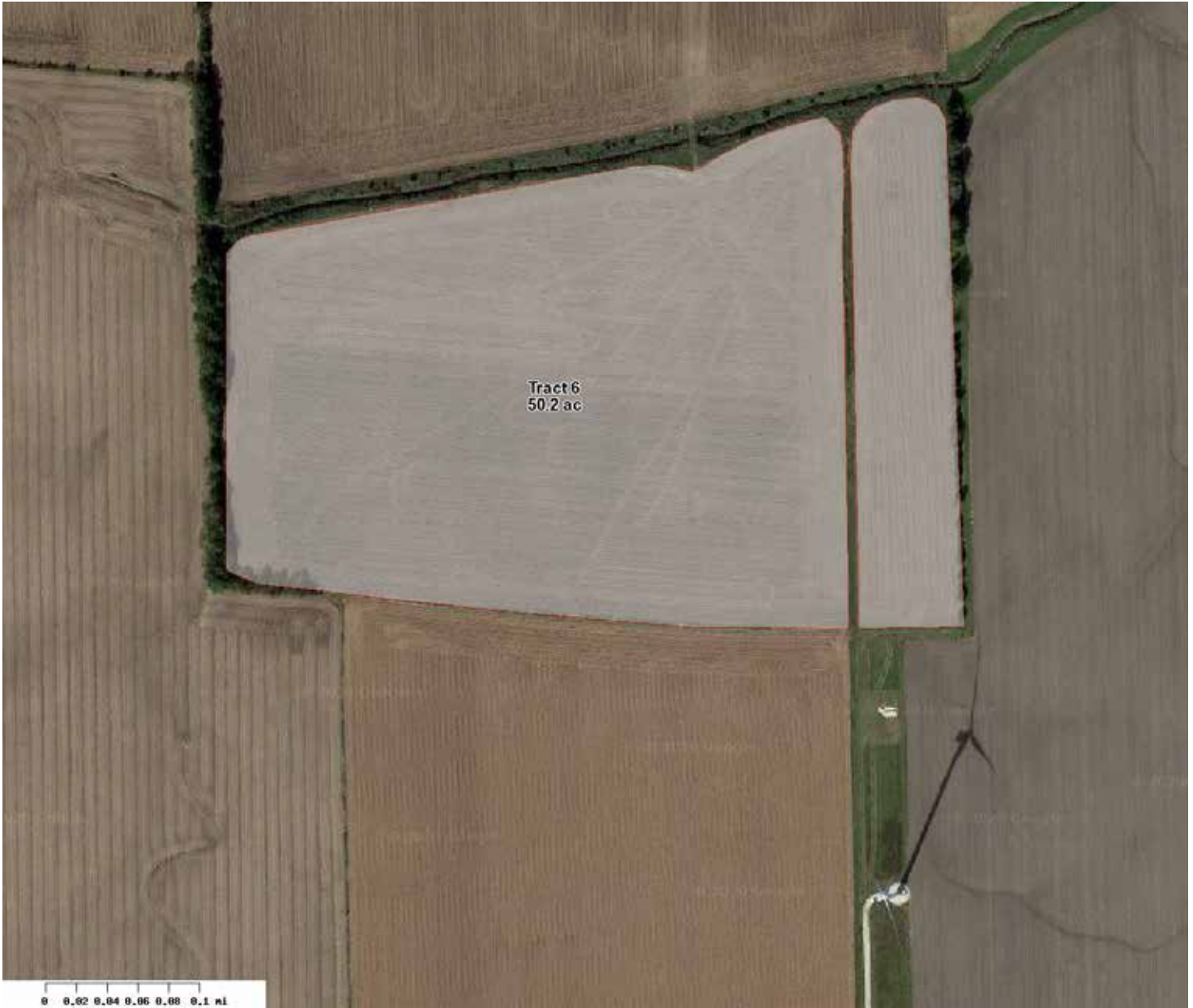


[Quick Map](#)

Grower: Schrader Real Estate & Auction

Farm: Vermilion County

Field: Tract 6



Label	Area
White	50.19

Notes:

# Soil Test Report - Tract 6



Field Sample Summary

Location	Grower	Farm	Field	Area	Centroid
ASM	Schrader Real Estate & Auction	Vermilion County	Tract 6	50.19 acres	40.405673, -87.744261



		Min	Max	Avg
P	19.2	44.5	33.8	
K	242.79	449.06	351.19	
pH	5.9	6.9	6.3	
OM	2.5	3.5	2.9	

Sample Date: 2020-02-20  
 Soil Lab: Agricultural Soil Management

ID	P lbs/ac	K lbs/ac	pH	OM %
1	31.4	449.06	6.9	2.5
2	40.8	248.08	6.1	3.0
3	42.1	242.79	6.0	2.5
4	44.5	362.71	6.2	3.0
5	24.8	396.97	6.7	3.5
6	19.2	407.51	5.9	3.0

# Soil Test Report - Tract 6



Elemental Field Sample Report

**Grower:** Schrader Real Estate & Auction

**Farm:** Vermilion County

**Field:** Tract 6  
**Zone:** Not Specified

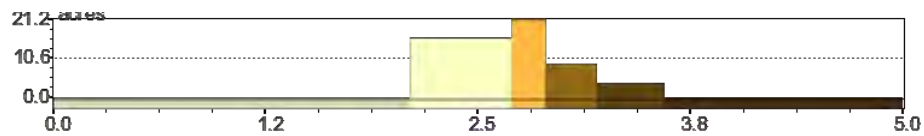
**Area:** 50.2

**Sample Date:** 2020-02-20

Organic Matter (OM) %



Min: 2.5 Max: 3.5 Avg: 2.9





# Soil Test Report - Tract 6

**Grower:** Schrader Real Estate & Auction

**Farm:** Vermilion County

**Field:** Tract 6  
**Zone:** Not Specified

**Area:** 50.2

**Sample Date:** 2020-02-20

(pH)



Min: 5.9 Max: 6.9 Avg: 6.3

(pH)	Soil Levels	Area (ac)	Percent Acres
4.5-5.0	Very Low	0.0	0.0
5.0-6.0	Low	6.82	13.59
6.0-6.2	Optimal	13.61	27.12
6.2-6.5	High	13.05	26.02
6.5-6	Very High	16.69	33.26

# Soil Test Report - Tract 6

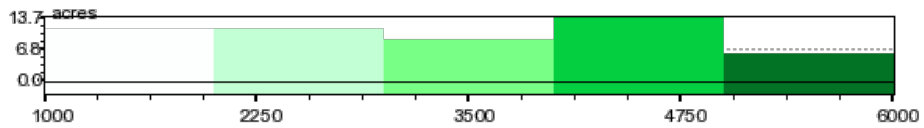


Soil Fertility

Grower: Schrader Real Estate & Auction Farm: Vermilion County

Field(s): Tract 6

### Lime - Fertilizer Application (lbs/ac)



Lab: Agricultural Soil Management      Custom Eq: L 5      Commodity: Corn-Soybeans      Sample Date: 2020-02-20

**Constraints:**

Target pH: 6.5

Max Rate: 6000.0 lbs/ac    Multiplier: N/A  
 Min Rate: 1000.0 lbs/ac    Subtract: N/A  
 Switch Rate: 500.0 lbs/ac

Minimum Application Rate:	1000.0 lbs/ac	Total Product:	139673.97 lbs
Maximum Application Rate:	6000.0 lbs/ac	Total Product Bulk:	69.84 ton
Average Application Rate:	3317.62 lbs/ac	Product Cost / Bulk:	\$0.0/ton
Application Area:	42.1 ac	Total Product Price:	\$0.0
Average Field Rate:	2777.65 lbs/ac	Application Cost / Area:	\$0.0/ac
Total Area:	50.28 ac	Total Application Cost:	\$0.0
		Total Cost:	\$0.0

# Soil Test Report - Tract 6



Soil Fertility

## Fertilizer Application Summary

Grower: Schrader Real Estate & Auction  
 Farm: Vermilion County  
 Field(s): Tract 6

Commodity: Corn-Soybeans  
 Labs: Agricultural Soil Management

Selected Parameters					
Product	Rec %	Max Rate	Min Rate	+/-	Switch Rate
Lime	100	6000.0 lbs/ac	1000.0 lbs/ac	0.00	500.0 lbs/ac

Product	Wt App	Wt App Bulk	Applied Area	Product Cost	Est. Cost	Est. Cost/Area
Lime	139673.97 (lbs)	69.84 ton	42.10	\$0.0/ton	\$0.0	\$0.0/ac
Application				\$0.0 /ac	\$0.0	\$0.0/ac
Totals					\$0.00	\$0.0/ac

Field Summary					
Field	PLS ID	FSA ID	County	Area	Centroid
Tract 6	31 23N 12W	--	Vermilion	50.19 ac	40.405673, -87.744261

# Soil Test Report - Tract 6



Elemental Field Sample Report

**Grower:** Schrader Real Estate & Auction

**Farm:** Vermilion County

**Field:** Tract 6 **Zone:** Not Specified

**Area:** 50.2

**Sample Date:** 2020-02-20

Phosphorous (P) lbs/ac



Min: 19.2 Max: 44.5 Avg: 33.8

Phosphorous (P) Range	Soil Levels	Area (ac)	Percent Acres
0-25	Very Low	8.25	16.44
25-35	Low	7.75	15.44
35-60	Optimal	34.68	68.1
60-80	High	0.0	0.0
80-200	Very High	0.0	0.0

Phosphorus (P) One of three primary nutrients, phosphorus is essential for plant growth, and a plant must access it to complete its normal production cycle. Plants absorb P from the soil as primary and secondary ortho-phosphates (H<sub>2</sub>PO<sub>4</sub><sup>-</sup> and HPO<sub>4</sub><sup>2-</sup>).



# Soil Test Report - Tract 6

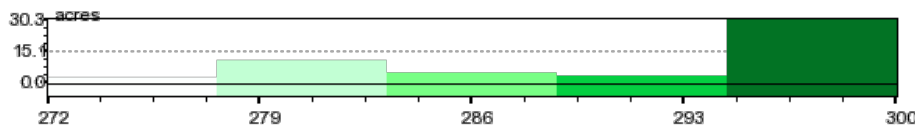


Soil Fertility

Grower: Schrader Real Estate & Auction Farm: Vermilion County

Field(s): Tract 6

TSP 0-45-0 - Fertilizer Application (lbs/ac)



Lab: Agricultural Soil Management    Custom Eq: P 4 w/ YIELD    Commodity: Corn-Soybeans    Sample Date: 2020-02-20

**Constraints:**

Corn Yield: 210 bu/ac    Bean Yield: 70 bu/ac

Max Rate: 300.0 lbs/ac    Multiplier: N/A

Min Rate: 270.0 lbs/ac    Subtract: N/A

Switch Rate: 220.0 lbs/ac

Minimum Application Rate: 271.9 lbs/ac  
 Maximum Application Rate: 300.0 lbs/ac  
 Average Application Rate: 292.75 lbs/ac  
 Application Area: 50.28 ac  
 Average Field Rate: 292.75 lbs/ac  
 Total Area: 50.28 ac

Total Product: 14720.94 lbs  
 Total Product Bulk: 7.36 ton  
 Product Cost / Bulk: \$0.0/ton  
 Total Product Price: \$0.0  
 Application Cost / Area: \$0.0/ac  
 Total Application Cost: \$0.0  
 Total Cost: \$0.0



# Soil Test Report - Tract 6



Soil Fertility

## Fertilizer Application Summary

Grower: Schrader Real Estate & Auction  
 Farm: Vermilion County  
 Field(s): Tract 6

Commodity: Corn-Soybeans  
 Labs: Agricultural Soil Management

Selected Parameters					
Product	Rec %	Max Rate	Min Rate	+/-	Switch Rate
TSP 0-45-0	100	300.0 lbs/ac	270.0 lbs/ac	0.00	220.0 lbs/ac

Product	Wt App	Wt App Bulk	Applied Area	Product Cost	Est. Cost	Est. Cost/Area
TSP 0-45-0	14720.94 (lbs)	7.36 ton	50.28	\$0.0/ton	\$0.0	\$0.0/ac
Application				\$0.0 /ac	\$0.0	\$0.0/ac
Totals					\$0.00	\$0.0/ac

Field Summary					
Field	PLS ID	FSA ID	County	Area	Centroid
Tract 6	31 23N 12W	--	Vermilion	50.19 ac	40.405673, -87.744261

# Soil Test Report - Tract 6



Elemental Field Sample Report

**Grower:** Schrader Real Estate & Auction

**Farm:** Vermilion County

**Field:** Tract 6 **Zone:** Not Specified

**Area:** 50.2

**Sample Date:** 2020-02-20

Potassium (K) lbs/ac



Min: 242.79 Max: 449.06 Avg: 351.19

Potassium (K) Range	Soil Levels	Area (ac)	Percent Acres
0-200	Very Low	0.0	0.0
200-300	Low	14.78	29.45
300-400	Optimal	16.11	32.1
400-450	High	19.3	38.46
450-1200	Very High	0.0	0.0

Potassium (K) is one of the essential nutrients and is taken up in significant amounts by crops. Potassium is vital to photosynthesis, protein synthesis and many other functions in plants. It is classified as a macro-nutrient, as are nitrogen (N) and phosphorus (P). Plants take up K in its ionic form (K+).

# Soil Test Report - Tract 6

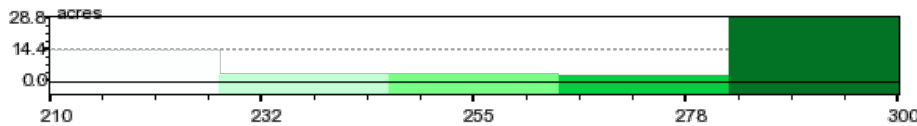


Soil Fertility

Grower: Schrader Real Estate & Auction Farm: Vermilion County

Field(s): Tract 6

Potash 0-0-60 - Fertilizer Application (lbs/ac)



Lab: Agricultural Soil Management    Custom Eq: K 01 w/ YIELD    Commodity: Corn-Soybeans    Sample Date: 2020-02-20

**Constraints:**

Corn Yield: 210 bu/ac    Bean Yield: 70 bu/ac

Max Rate: 300.0 lbs/ac    Multiplier: N/A

Min Rate: 210.0 lbs/ac    Subtract: N/A

Switch Rate: 160.0 lbs/ac

Minimum Application Rate: 210.0 lbs/ac  
 Maximum Application Rate: 300.0 lbs/ac  
 Average Application Rate: 268.9 lbs/ac  
 Application Area: 26.78 ac  
 Average Field Rate: 143.23 lbs/ac  
 Total Area: 50.28 ac

Total Product: 7202.43 lbs  
 Total Product Bulk: 3.60 ton  
 Product Cost / Bulk: \$0.0/ton  
 Total Product Price: \$0.0  
 Application Cost / Area: \$0.0/ac  
 Total Application Cost: \$0.0  
 Total Cost: \$0.0

# Soil Test Report - Tract 6



Soil Fertility

## Fertilizer Application Summary

Grower: Schrader Real Estate & Auction  
 Farm: Vermilion County  
 Field(s): Tract 6

Commodity: Corn-Soybeans  
 Labs: Agricultural Soil Management

Selected Parameters					
Product	Rec %	Max Rate	Min Rate	+/-	Switch Rate
Potash 0-0-60	100	300.0 lbs/ac	210.0 lbs/ac	0.00	160.0 lbs/ac

Product	Wt App	Wt App Bulk	Applied Area	Product Cost	Est. Cost	Est. Cost/Area
Potash 0-0-60	7202.43 (lbs)	3.60 ton	26.78	\$0.0/ton	\$0.0	\$0.0/ac
Application				\$0.0 /ac	\$0.0	\$0.0/ac
Totals					\$0.00	\$0.0/ac

Field Summary					
Field	PLS ID	FSA ID	County	Area	Centroid
Tract 6	31 23N 12W	--	Vermilion	50.19 ac	40.405673, -87.744261

# Soil Test Report - Tract 7

## Schrader Real Estate & Auction Soil Test Report 2020



**Vermilion County**  
**Tract 7**  
91.1A sec26 GRANT



# Soil Test Report - Tract 7



Quick Map

Grower: Schrader Real Estate & Auction

Farm: Vermilion County

Field: Tract 7



Label	Area
White	91.13

Notes:

# Soil Test Report - Tract 7



Field Sample Summary

Location	Grower	Farm	Field	Area	Centroid
ASM	Schrader Real Estate & Auction	Vermilion County	Tract 7	91.13 acres	40.420643, -87.674459



		Min	Max	Avg
P	30.3	114.8	62.1	
K	256.35	548.46	425.57	
pH	5.9	7.1	6.4	
OM	2.0	3.0	2.7	

Sample Date: 2020-02-20  
Soil Lab: Agricultural Soil Management

ID	P lbs/ac	K lbs/ac	pH	OM %
1	30.3	346.92	7.0	2.0
2	44.5	548.46	7.1	2.5
3	52.1	434.16	6.8	3.0
4	35.5	256.35	6.3	2.5
5	104.4	322.17	6.6	3.0
6	114.8	520.45	6.0	2.5
7	86.4	327.57	6.2	3.0
8	55.2	432.92	6.2	3.0
9	45.2	540.79	6.3	3.0
10	52.4	525.91	5.9	2.5

# Soil Test Report - Tract 7



Elemental Field Sample Report

**Grower:** Schrader Real Estate & Auction

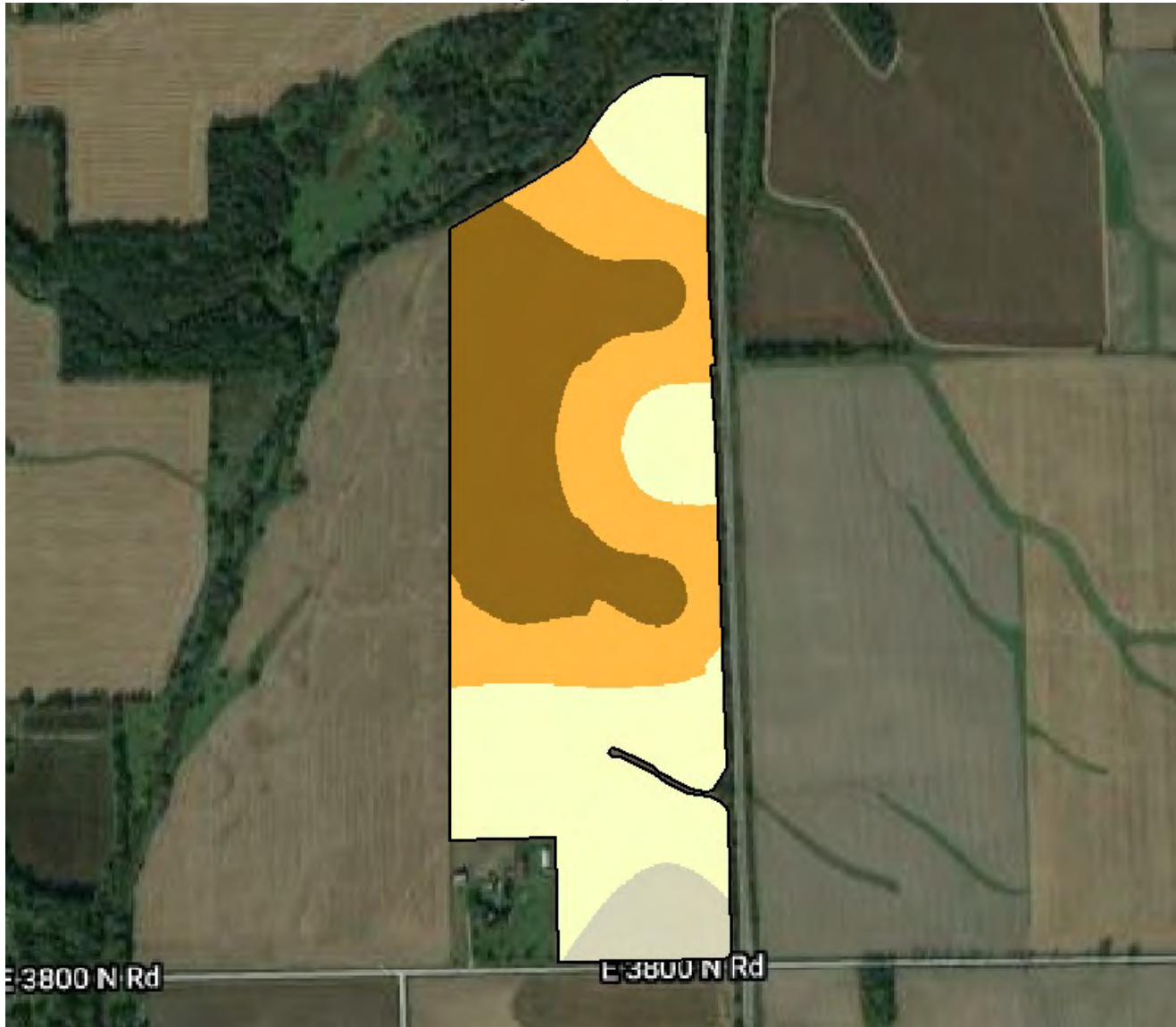
**Farm:** Vermilion County

**Field:** Tract 7  
**Zone:** Not Specified

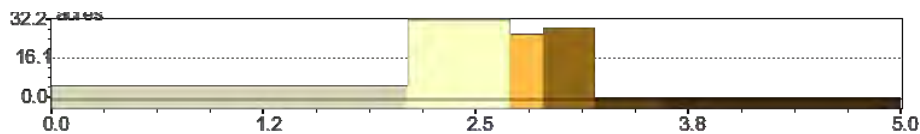
**Area:** 91.1

**Sample Date:** 2020-02-20

Organic Matter (OM) %



Min: 2.0 Max: 3.0 Avg: 2.7





# Soil Test Report - Tract 7



Elemental Field Sample Report

**Grower:** Schrader Real Estate & Auction

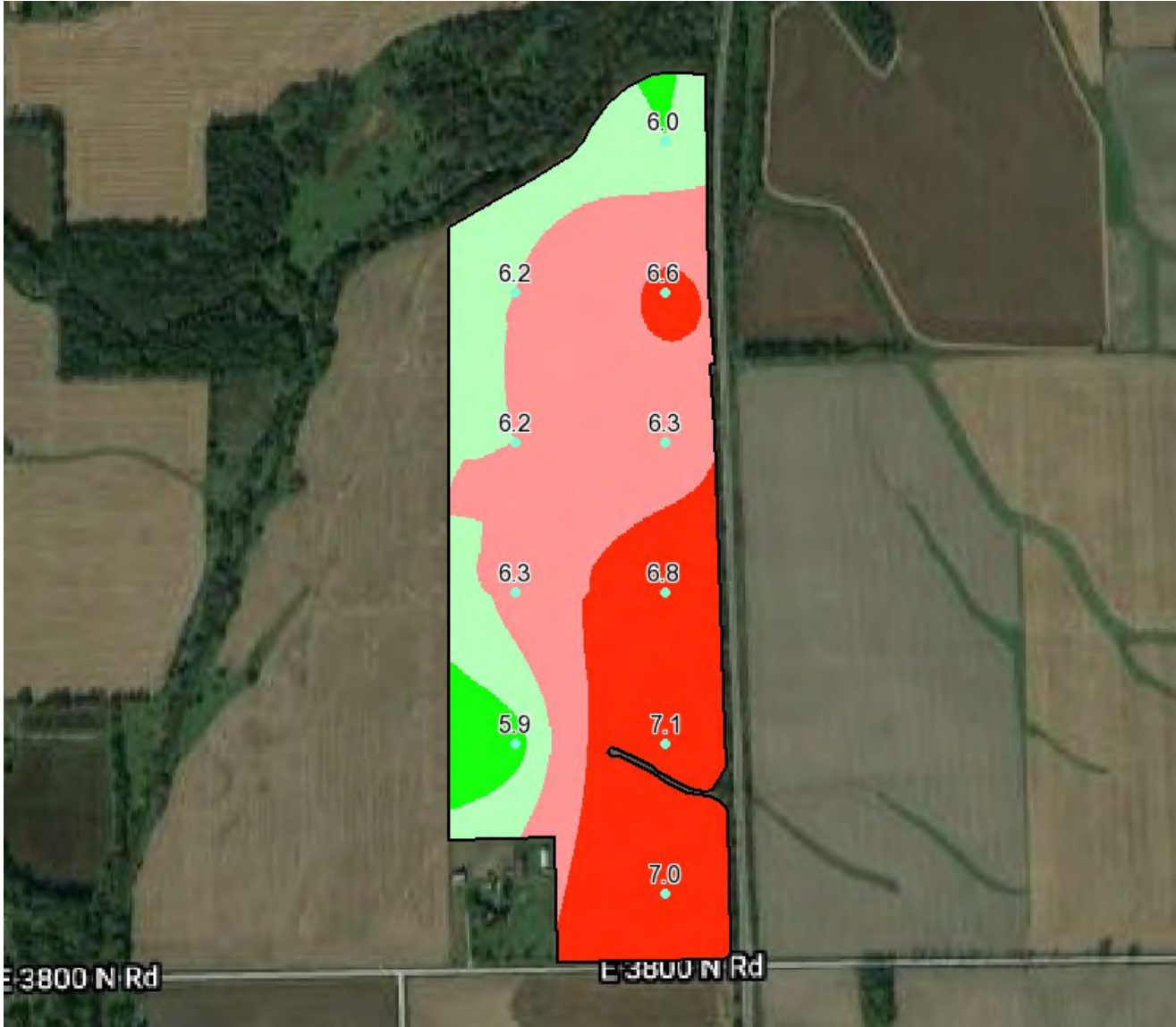
**Farm:** Vermilion County

**Field:** Tract 7 **Zone:** Not Specified

**Area:** 91.1

**Sample Date:** 2020-02-20

(pH)



Min: 5.9 Max: 7.1 Avg: 6.4

(pH)	Soil Levels	Area (ac)	Percent Acres
4.5-5.0	Very Low	0.0	0.0
5.0-6.0	Low	3.88	4.26
6.0-6.2	Optimal	20.32	22.3
6.2-6.5	High	37.25	40.89
6.5-6.8	Very High	29.65	32.55

# Soil Test Report - Tract 7

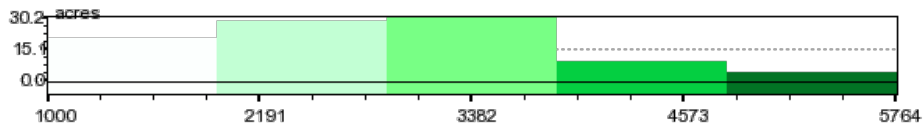


Soil Fertility

Grower: Schrader Real Estate & Auction Farm: Vermilion County

Field(s): Tract 7

## Lime - Fertilizer Application (lbs/ac)



Lab: Agricultural Soil Management      Custom Eq: L 5      Commodity: Corn-Soybeans      Sample Date: 2020-02-20

**Constraints:**

Target pH: 6.5

Max Rate: 6000.0 lbs/ac    Multiplier: N/A  
 Min Rate: 1000.0 lbs/ac    Subtract: N/A  
 Switch Rate: 500.0 lbs/ac

Minimum Application Rate:	1000.0 lbs/ac	Total Product:	211465.11 lbs
Maximum Application Rate:	5764.1 lbs/ac	Total Product Bulk:	105.73 ton
Average Application Rate:	2721.9 lbs/ac	Product Cost / Bulk:	\$0.0/ton
Application Area:	77.69 ac	Total Product Price:	\$0.0
Average Field Rate:	2315.79 lbs/ac	Application Cost / Area:	\$0.0/ac
Total Area:	91.31 ac	Total Application Cost:	\$0.0
		Total Cost:	\$0.0



# Soil Test Report - Tract 7



Soil Fertility

## Fertilizer Application Summary

Grower: Schrader Real Estate & Auction  
Farm: Vermilion County  
Field(s): Tract 7

Commodity: Corn-Soybeans  
Labs: Agricultural Soil Management

Selected Parameters					
Product	Rec %	Max Rate	Min Rate	+/-	Switch Rate
Lime	100	6000.0 lbs/ac	1000.0 lbs/ac	0.00	500.0 lbs/ac

Product	Wt App	Wt App Bulk	Applied Area	Product Cost	Est. Cost	Est. Cost/Area
Lime	211465.11 (lbs)	105.73 ton	77.69	\$0.0/ton	\$0.0	\$0.0/ac
Application				\$0.0 /ac	\$0.0	\$0.0/ac
Totals					\$0.00	\$0.0/ac

Field Summary					
Field	PLS ID	FSA ID	County	Area	Centroid
Tract 7	26 23N 12W	--	Vermilion	91.13 ac	40.420643, -87.674459

# Soil Test Report - Tract 7



Elemental Field Sample Report

**Grower:** Schrader Real Estate & Auction

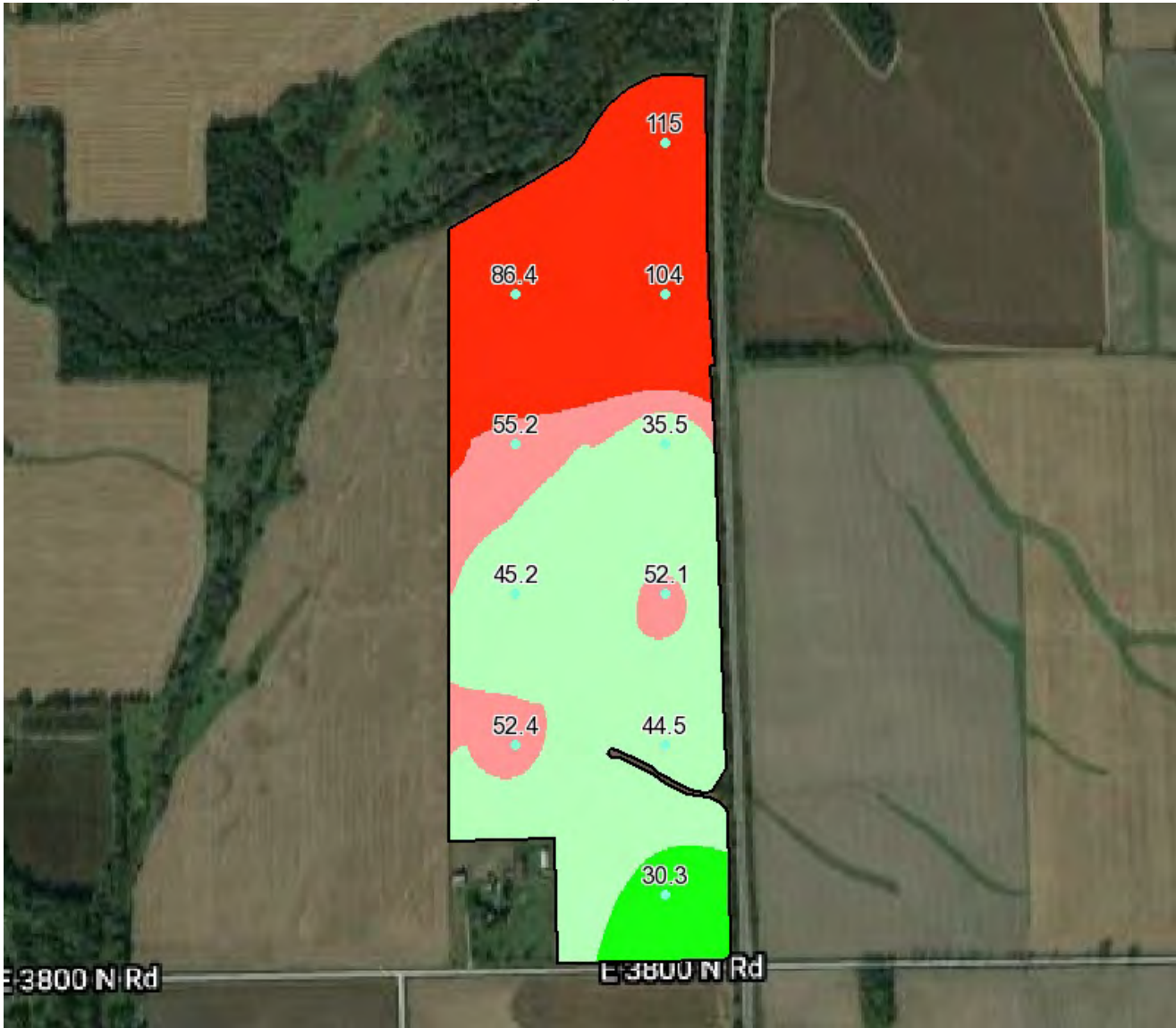
**Farm:** Vermilion County

**Field:** Tract 7 **Zone:** Not Specified

**Area:** 91.1

**Sample Date:** 2020-02-20

Phosphorous (P) lbs/ac



Min: 30.3 Max: 114.8 Avg: 62.1

Phosphorous (P) Range	Soil Levels	Area (ac)	Percent Acres
0-25	Very Low	0.0	0.0
25-35	Low	5.99	6.6
35-60	Optimal	42.7	47.0
60-80	High	10.98	12.0
80-200	Very High	30.91	34.0

Phosphorus (P) One of three primary nutrients, phosphorus is essential for plant growth, and a plant must access it to complete its normal production cycle. Plants absorb P from the soil as primary and secondary ortho-phosphates (H<sub>2</sub>PO<sub>4</sub><sup>-</sup> and HPO<sub>4</sub><sup>2-</sup>).

# Soil Test Report - Tract 7

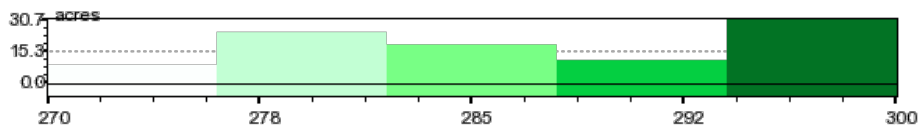


Soil Fertility

Grower: Schrader Real Estate & Auction Farm: Vermilion County

Field(s): Tract 7

TSP 0-45-0 - Fertilizer Application (lbs/ac)



Lab: Agricultural Soil Management    Custom Eq: P 4 w/ YIELD    Commodity: Corn-Soybeans    Sample Date: 2020-02-20

Constraints:

Corn Yield: 210 bu/ac    Bean Yield: 70 bu/ac

Max Rate: 300.0 lbs/ac    Multiplier: N/A

Min Rate: 270.0 lbs/ac    Subtract: N/A

Switch Rate: 220.0 lbs/ac

Minimum Application Rate:	270.0 lbs/ac	Total Product:	17206.62 lbs
Maximum Application Rate:	300.0 lbs/ac	Total Product Bulk:	8.60 ton
Average Application Rate:	287.89 lbs/ac	Product Cost / Bulk:	\$0.0/ton
Application Area:	59.77 ac	Total Product Price:	\$0.0
Average Field Rate:	188.43 lbs/ac	Application Cost / Area:	\$0.0/ac
Total Area:	91.31 ac	Total Application Cost:	\$0.0
		Total Cost:	\$0.0

# Soil Test Report - Tract 7



Soil Fertility

## Fertilizer Application Summary

Grower: Schrader Real Estate & Auction  
 Farm: Vermilion County  
 Field(s): Tract 7

Commodity: Corn-Soybeans  
 Labs: Agricultural Soil Management

Selected Parameters					
Product	Rec %	Max Rate	Min Rate	+/-	Switch Rate
TSP 0-45-0	100	300.0 lbs/ac	270.0 lbs/ac	0.00	220.0 lbs/ac

Product	Wt App	Wt App Bulk	Applied Area	Product Cost	Est. Cost	Est. Cost/Area
TSP 0-45-0	17206.62 (lbs)	8.60 ton	59.77	\$0.0/ton	\$0.0	\$0.0/ac
Application				\$0.0 /ac	\$0.0	\$0.0/ac
Totals					\$0.00	\$0.0/ac

Field Summary					
Field	PLS ID	FSA ID	County	Area	Centroid
Tract 7	26 23N 12W	--	Vermilion	91.13 ac	40.420643, -87.674459



# Soil Test Report - Tract 7



Elemental Field Sample Report

**Grower:** Schrader Real Estate & Auction

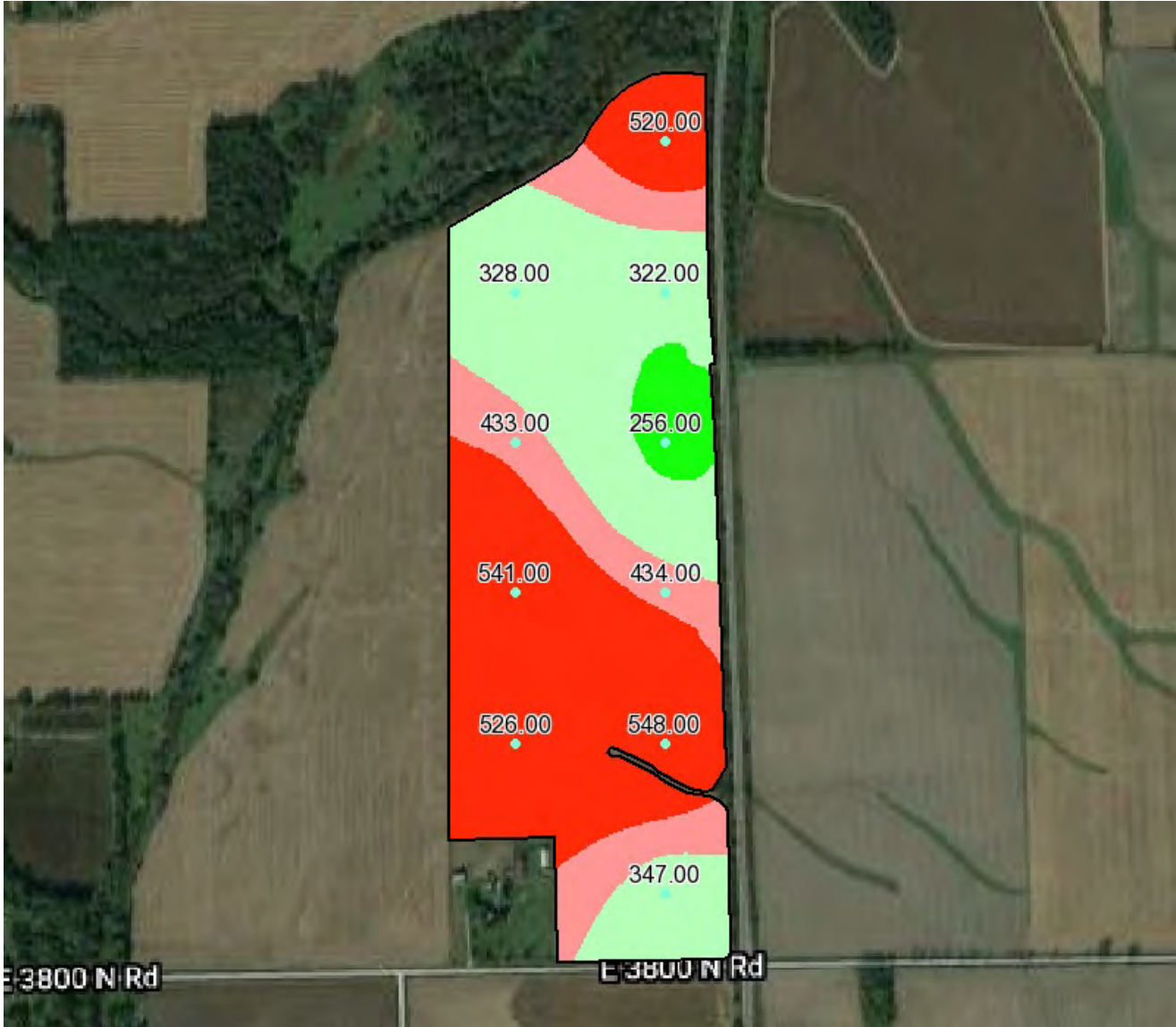
**Farm:** Vermilion County

**Field:** Tract 7 **Zone:** Not Specified

**Area:** 91.1

**Sample Date:** 2020-02-20

Potassium (K) lbs/ac



Min: 256.35 Max: 548.46 Avg: 425.57

Potassium (K) Range	Soil Levels	Area (ac)	Percent Acres
0-200	Very Low	0.0	0.0
200-300	Low	4.08	4.48
300-400	Optimal	32.58	35.75
400-400	High	18.22	18.7
400-1200	Very High	36.27	43.09

Potassium (K) is one of the essential nutrients and is taken up in significant amounts by crops. Potassium is vital to photosynthesis, protein synthesis and many other functions in plants. It is classified as a macro-nutrient, as are nitrogen (N) and phosphorus (P). Plants take up K in its ionic form (K+).



# Soil Test Report - Tract 7

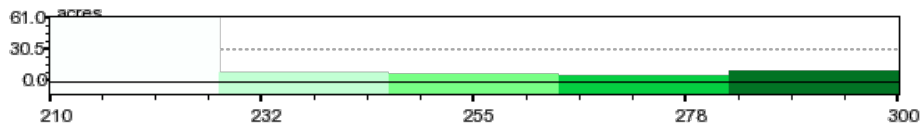


Soil Fertility

Grower: Schrader Real Estate & Auction Farm: Vermilion County

Field(s): Tract 7

Potash 0-0-60 - Fertilizer Application (lbs/ac)



Lab: Agricultural Soil Management    Custom Eq: K 01 w/ YIELD    Commodity: Corn-Soybeans    Sample Date: 2020-02-20

Constraints:

Corn Yield: 210 bu/ac    Bean Yield: 70 bu/ac

Max Rate: 300.0 lbs/ac    Multiplier: N/A

Min Rate: 210.0 lbs/ac    Subtract: N/A

Switch Rate: 160.0 lbs/ac

Minimum Application Rate: 210.0 lbs/ac  
 Maximum Application Rate: 300.0 lbs/ac  
 Average Application Rate: 228.7 lbs/ac  
 Application Area: 23.75 ac  
 Average Field Rate: 59.48 lbs/ac  
 Total Area: 91.31 ac

Total Product: 5431.76 lbs  
 Total Product Bulk: 2.72 ton  
 Product Cost / Bulk: \$0.0/ton  
 Total Product Price: \$0.0  
 Application Cost / Area: \$0.0/ac  
 Total Application Cost: \$0.0  
 Total Cost: \$0.0

# Soil Test Report - Tract 7



Soil Fertility

## Fertilizer Application Summary

Grower: Schrader Real Estate & Auction  
 Farm: Vermilion County  
 Field(s): Tract 7

Commodity: Corn-Soybeans  
 Labs: Agricultural Soil Management

Selected Parameters					
Product	Rec %	Max Rate	Min Rate	+/-	Switch Rate
Potash 0-0-60	100	300.0 lbs/ac	210.0 lbs/ac	0.00	160.0 lbs/ac

Product	Wt App	Wt App Bulk	Applied Area	Product Cost	Est. Cost	Est. Cost/Area
Potash 0-0-60	5431.76 (lbs)	2.72 ton	23.75	\$0.0/ton	\$0.0	\$0.0/ac
Application				\$0.0 /ac	\$0.0	\$0.0/ac
Totals					\$0.00	\$0.0/ac

Field Summary					
Field	PLS ID	FSA ID	County	Area	Centroid
Tract 7	26 23N 12W	--	Vermilion	91.13 ac	40.420643, -87.674459

# Soil Test Report - Tract 8

## Schrader Real Estate & Auction Soil Test Report 2020



**Vermilion County**  
**Tract 8**  
65.3A sec26 GRANT

# Soil Test Report - Tract 8



Quick Map

Grower: Schrader Real Estate & Auction

Farm: Vermilion County

Field: Tract 8



Label	Area
White	65.32

Notes:

# Soil Test Report - Tract 8



Field Sample Summary

Location	Grower	Farm	Field	Area	Centroid
ASM	Schrader Real Estate & Auction	Vermilion County	Tract 8	65.32 acres	40.418857, -87.678559



		Min	Max	Avg
P	34.9	306.4	137.4	
K	175.85	661.39	493.87	
pH	5.1	7.6	6.7	
OM	3.0	3.5	3.3	

Sample Date: 2020-02-20  
Soil Lab: Agricultural Soil Management

ID	P lbs/ac	K lbs/ac	pH	OM %
1	162.1	661.39	7.2	3.5
2	306.4	587.44	5.1	3.0
3	144.5	535.48	6.3	3.0
4	158.9	519.30	7.2	3.5
5	60.6	450.09	6.3	3.5
6	94.3	527.51	7.2	3.5
7	34.9	175.85	7.6	3.0



# Soil Test Report - Tract 8



Elemental Field Sample Report

**Grower:** Schrader Real Estate & Auction

**Farm:** Vermilion County

**Field:** Tract 8 **Zone:** Not Specified

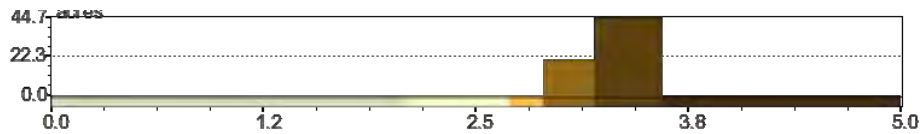
**Area:** 65.3

**Sample Date:** 2020-02-20

Organic Matter (OM) %



Min: 3.0 Max: 3.5 Avg: 3.3



# Soil Test Report - Tract 8

**Grower:** Schrader Real Estate & Auction

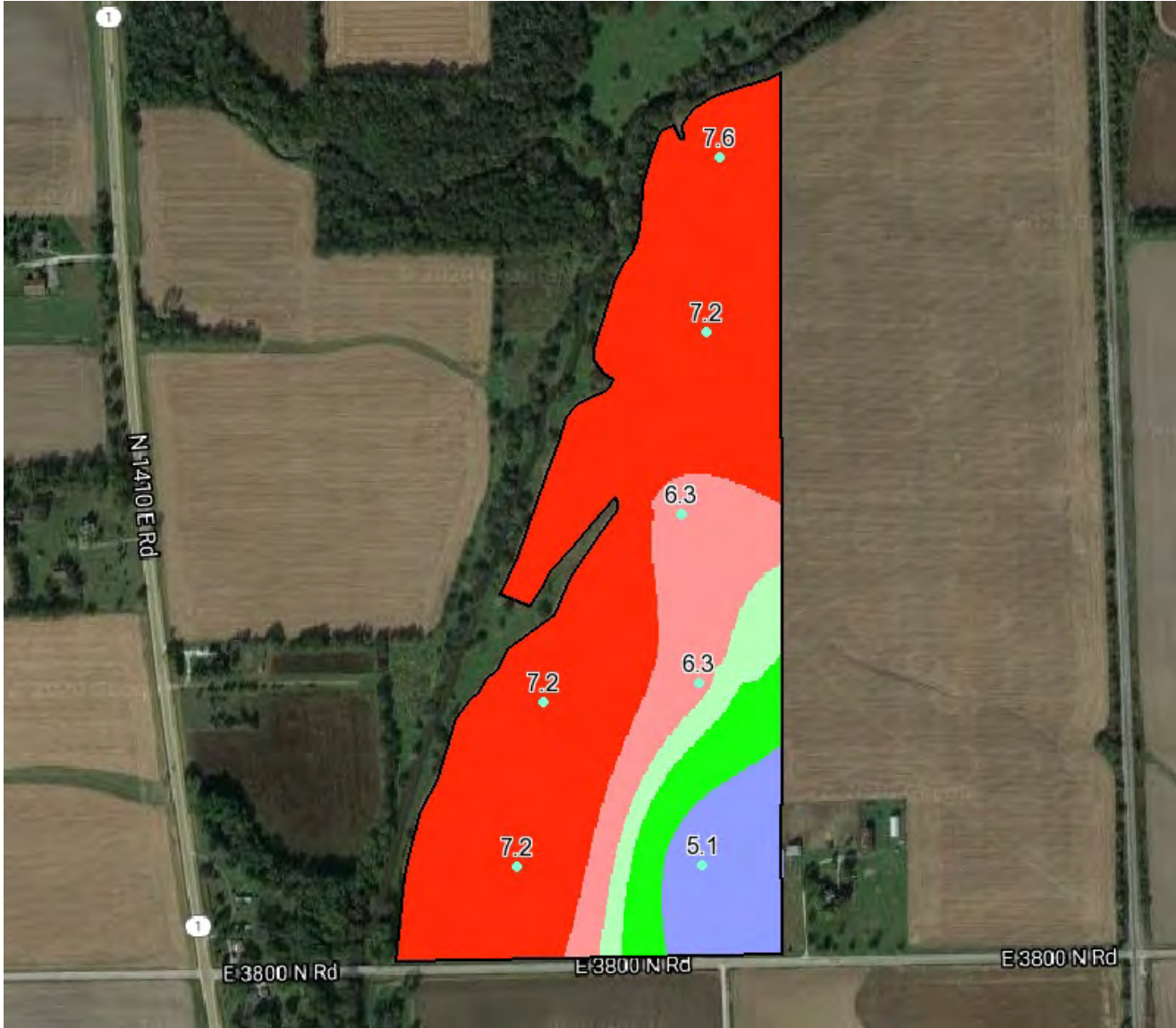
**Farm:** Vermilion County

**Field:** Tract 8  
**Zone:** Not Specified

**Area:** 65.3

**Sample Date:** 2020-02-20

(pH)



Min: 5.1 Max: 7.6 Avg: 6.7

pH	Soil Levels	Area (ac)	Percent Acres
4.5-5.0	Very Low	6.18	9.46
5.0-6.0	Low	4.33	6.63
6.0-6.2	Optimal	3.42	5.24
6.2-6.5	High	7.11	10.95
6.5-6	Very High	42.28	64.72

# Soil Test Report - Tract 8

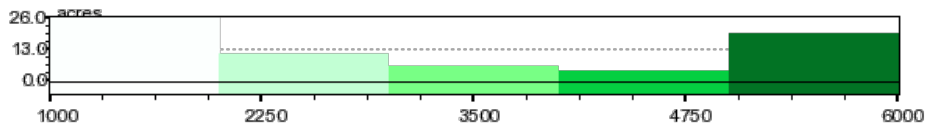


Soil Fertility

Grower: Schrader Real Estate & Auction Farm: Vermilion County

Field(s): Tract 8

### Lime - Fertilizer Application (lbs/ac)



Lab: Agricultural Soil Management      Custom Eq: L 5      Commodity: Corn-Soybeans      Sample Date: 2020-02-20

**Constraints:**

Target pH: 6.5

Max Rate: 6000.0 lbs/ac    Multiplier: N/A  
 Min Rate: 1000.0 lbs/ac    Subtract: N/A  
 Switch Rate: 500.0 lbs/ac

Minimum Application Rate:	1000.0 lbs/ac	Total Product:	131787.74 lbs
Maximum Application Rate:	6000.0 lbs/ac	Total Product Bulk:	65.89 ton
Average Application Rate:	3126.35 lbs/ac	Product Cost / Bulk:	\$0.0/ton
Application Area:	42.15 ac	Total Product Price:	\$0.0
Average Field Rate:	2013.89 lbs/ac	Application Cost / Area:	\$0.0/ac
Total Area:	65.44 ac	Total Application Cost:	\$0.0
		Total Cost:	\$0.0



# Soil Test Report - Tract 8



Soil Fertility

## Fertilizer Application Summary

Grower: Schrader Real Estate & Auction  
 Farm: Vermilion County  
 Field(s): Tract 8

Commodity: Corn-Soybeans  
 Labs: Agricultural Soil Management

Selected Parameters					
Product	Rec %	Max Rate	Min Rate	+/-	Switch Rate
Lime	100	6000.0 lbs/ac	1000.0 lbs/ac	0.00	500.0 lbs/ac

Product	Wt App	Wt App Bulk	Applied Area	Product Cost	Est. Cost	Est. Cost/Area
Lime	131787.74 (lbs)	65.89 ton	42.15	\$0.0/ton	\$0.0	\$0.0/ac
Application				\$0.0 /ac	\$0.0	\$0.0/ac
Totals					\$0.00	\$0.0/ac

Field Summary					
Field	PLS ID	FSA ID	County	Area	Centroid
Tract 8	26 23N 12W	--	Vermilion	65.32 ac	40.418857, -87.678559

# Soil Test Report - Tract 8



Elemental Field Sample Report

**Grower:** Schrader Real Estate & Auction

**Farm:** Vermilion County

**Field:** Tract 8 **Zone:** Not Specified

**Area:** 65.3

**Sample Date:** 2020-02-20

Phosphorous (P) lbs/ac



Min: 34.9 Max: 306.4 Avg: 137.4

Phosphorous (P) Range	Soil Levels	Area (ac)	Percent Acres
0-25	Very Low	0.0	0.0
25-35	Low	0.6	0.9
35-60	Optimal	3.08	4.7
60-90	High	1.55	2.4
90-300	Very High	60.18	92.0

Phosphorus (P) One of three primary nutrients, phosphorus is essential for plant growth, and a plant must access it to complete its normal production cycle. Plants absorb P from the soil as primary and secondary ortho-phosphates (H<sub>2</sub>PO<sub>4</sub><sup>-</sup> and HPO<sub>4</sub><sup>2-</sup>).



# Soil Test Report - Tract 8

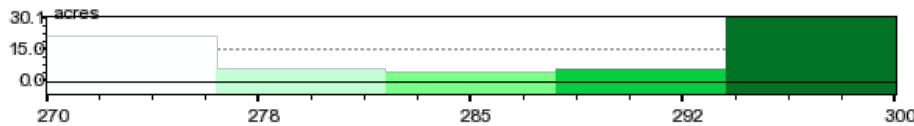


Soil Fertility

Grower: Schrader Real Estate & Auction Farm: Vermilion County

Field(s): Tract 8

TSP 0-45-0 - Fertilizer Application (lbs/ac)



Lab: Agricultural Soil Management    Custom Eq: P 4 w/ YIELD    Commodity: Corn-Soybeans    Sample Date: 2020-02-20

**Constraints:**

Corn Yield: 210 bu/ac	Bean Yield: 70 bu/ac	Max Rate: 300.0 lbs/ac	Multiplier: N/A
		Min Rate: 270.0 lbs/ac	Subtract: N/A
		Switch Rate: 220.0 lbs/ac	

Minimum Application Rate:	270.0 lbs/ac	Total Product:	1199.66 lbs
Maximum Application Rate:	300.0 lbs/ac	Total Product Bulk:	0.60 ton
Average Application Rate:	287.21 lbs/ac	Product Cost / Bulk:	\$0.0/ton
Application Area:	4.18 ac	Total Product Price:	\$0.0
Average Field Rate:	18.33 lbs/ac	Application Cost / Area:	\$0.0/ac
Total Area:	65.44 ac	Total Application Cost:	\$0.0
		Total Cost:	\$0.0

# Soil Test Report - Tract 8



Soil Fertility

## Fertilizer Application Summary

Grower: Schrader Real Estate & Auction  
 Farm: Vermilion County  
 Field(s): Tract 8

Commodity: Corn-Soybeans  
 Labs: Agricultural Soil Management

Selected Parameters					
Product	Rec %	Max Rate	Min Rate	+/-	Switch Rate
TSP 0-45-0	100	300.0 lbs/ac	270.0 lbs/ac	0.00	220.0 lbs/ac

Product	Wt App	Wt App Bulk	Applied Area	Product Cost	Est. Cost	Est. Cost/Area
TSP 0-45-0	1199.66 (lbs)	0.60 ton	4.18	\$0.0/ton	\$0.0	\$0.0/ac
Application				\$0.0 /ac	\$0.0	\$0.0/ac
Totals					\$0.00	\$0.0/ac

Field Summary					
Field	PLS ID	FSA ID	County	Area	Centroid
Tract 8	26 23N 12W	--	Vermilion	65.32 ac	40.418857, -87.678559

# Soil Test Report - Tract 8

**Grower:** Schrader Real Estate & Auction

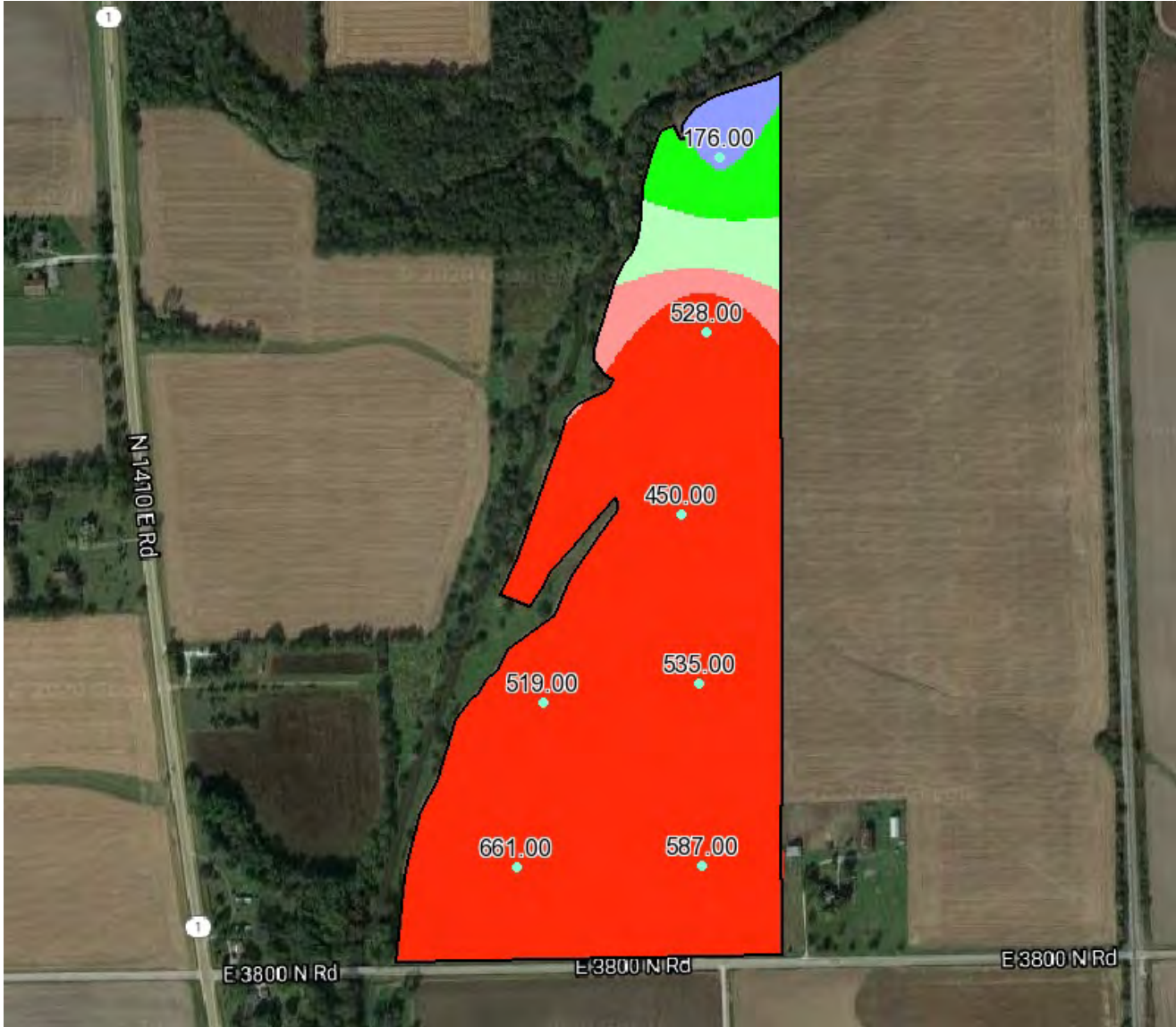
**Farm:** Vermilion County

**Field:** Tract 8  
**Zone:** Not Specified

**Area:** 65.3

**Sample Date:** 2020-02-20

Potassium (K) lbs/ac



Min: 175.85 Max: 661.39 Avg: 493.86

Potassium (K) Range	Soil Levels	Area (ac)	Percent Acres
0-200	Very Low	1.93	2.95
200-300	Low	2.92	4.47
300-400	Optimal	2.75	4.22
400-450	High	2.3	3.52
450-1200	Very High	55.7	85.27

Potassium (K) is one of the essential nutrients and is taken up in significant amounts by crops. Potassium is vital to photosynthesis, protein synthesis and many other functions in plants. It is classified as a macro-nutrient, as are nitrogen (N) and phosphorus (P). Plants take up K in its ionic form (K+).

# Soil Test Report - Tract 8

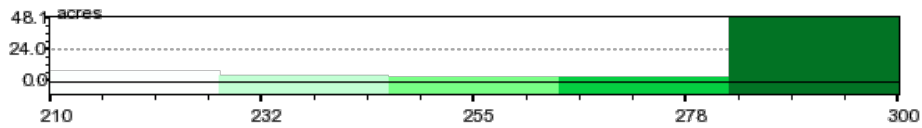


Soil Fertility

Grower: Schrader Real Estate & Auction Farm: Vermilion County

Field(s): Tract 8

Potash 0-0-60 - Fertilizer Application (lbs/ac)



Lab: Agricultural Soil Management    Custom Eq: K 01 w/ YIELD    Commodity: Corn-Soybeans    Sample Date: 2020-02-20

Constraints:

Corn Yield: 210 bu/ac    Bean Yield: 70 bu/ac

Max Rate: 300.0 lbs/ac    Multiplier: N/A

Min Rate: 210.0 lbs/ac    Subtract: N/A

Switch Rate: 160.0 lbs/ac

Minimum Application Rate: 210.0 lbs/ac  
 Maximum Application Rate: 300.0 lbs/ac  
 Average Application Rate: 282.85 lbs/ac  
 Application Area: 8.29 ac  
 Average Field Rate: 35.84 lbs/ac  
 Total Area: 65.44 ac

Total Product: 2345.62 lbs  
 Total Product Bulk: 1.17 ton  
 Product Cost / Bulk: \$0.0/ton  
 Total Product Price: \$0.0  
 Application Cost / Area: \$0.0/ac  
 Total Application Cost: \$0.0  
 Total Cost: \$0.0



# Soil Test Report - Tract 8



Soil Fertility

## Fertilizer Application Summary

Grower: Schrader Real Estate & Auction  
 Farm: Vermilion County  
 Field(s): Tract 8

Commodity: Corn-Soybeans  
 Labs: Agricultural Soil Management

Selected Parameters					
Product	Rec %	Max Rate	Min Rate	+/-	Switch Rate
Potash 0-0-60	100	300.0 lbs/ac	210.0 lbs/ac	0.00	160.0 lbs/ac

Product	Wt App	Wt App Bulk	Applied Area	Product Cost	Est. Cost	Est. Cost/Area
Potash 0-0-60	2345.62 (lbs)	1.17 ton	8.29	\$0.0/ton	\$0.0	\$0.0/ac
Application				\$0.0 /ac	\$0.0	\$0.0/ac
Totals					\$0.00	\$0.0/ac

Field Summary					
Field	PLS ID	FSA ID	County	Area	Centroid
Tract 8	26 23N 12W	--	Vermilion	65.32 ac	40.418857, -87.678559

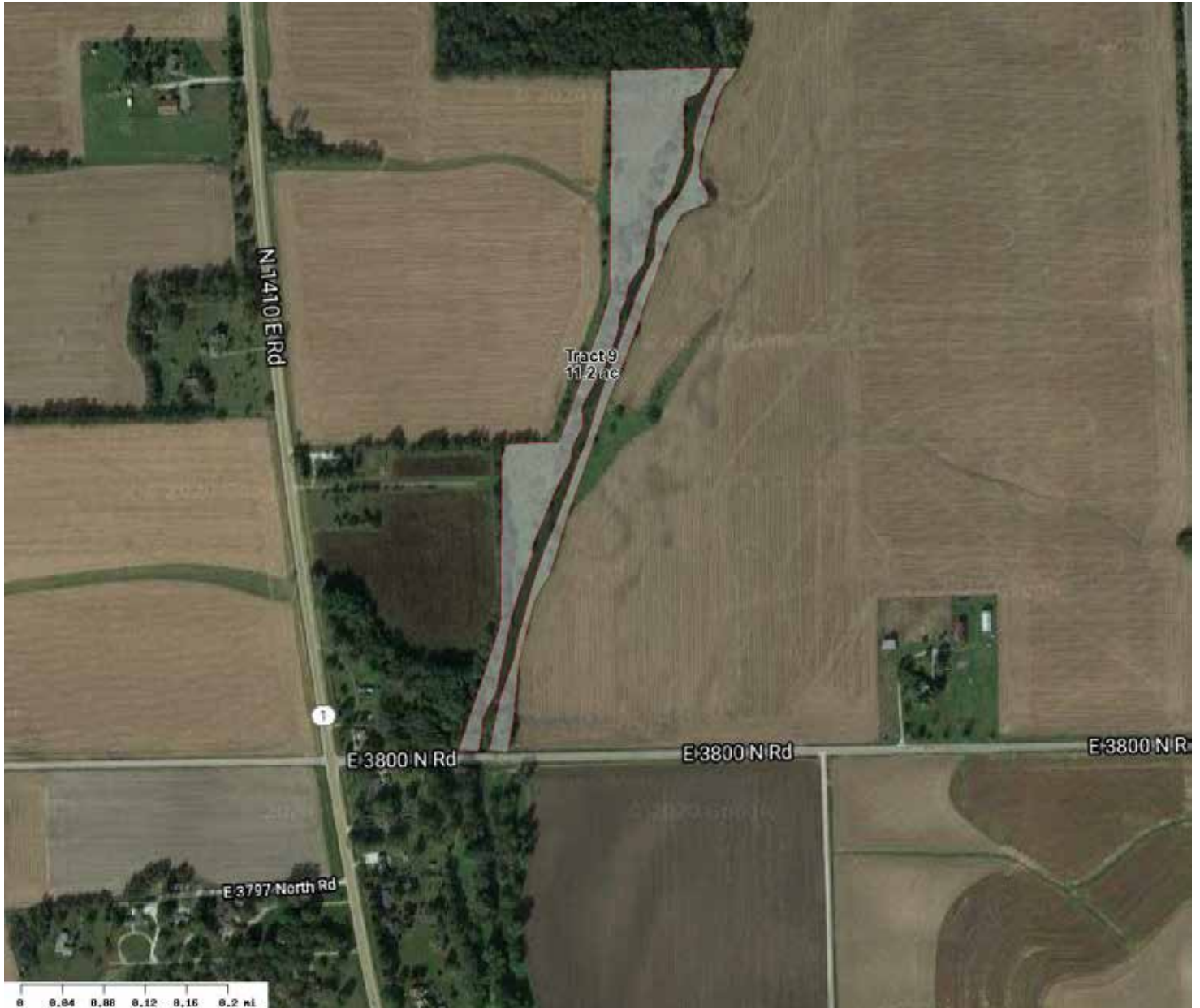
# Soil Test Report - Tract 9

## Schrader Real Estate & Auction Soil Test Report 2020



**Vermilion County**  
**Tract 9**  
11.2A sec26 GRANT

# Soil Test Report - Tract 9



Label	Area
White	11.18

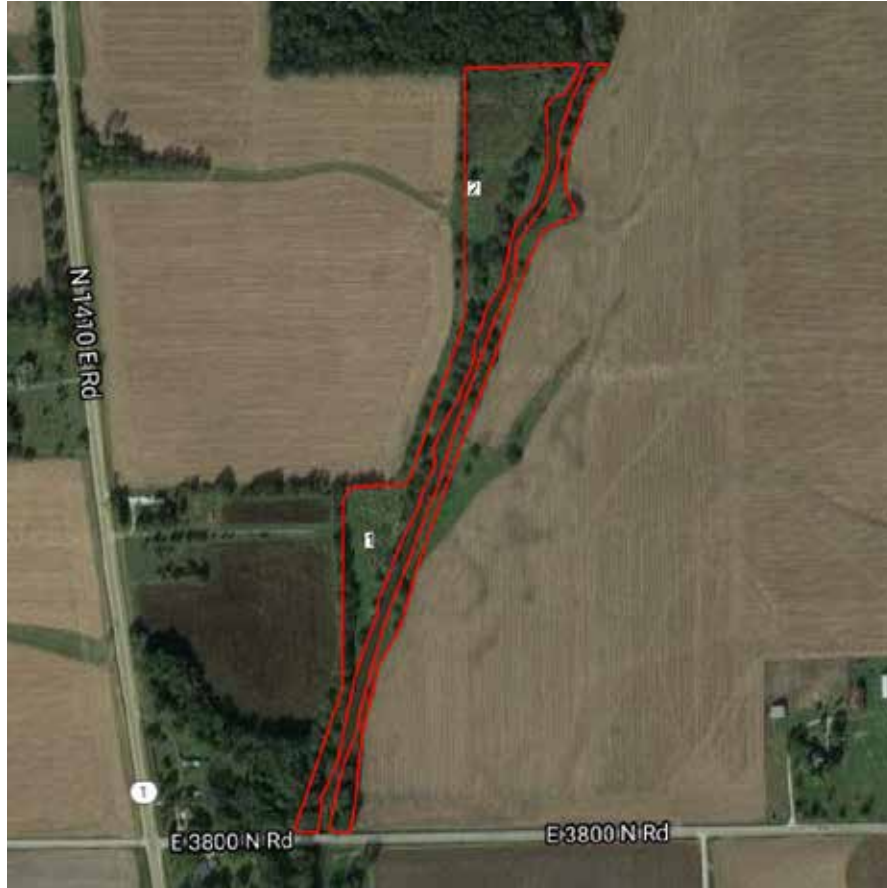
Notes:

# Soil Test Report - Tract 9



Field Sample Summary

Location	Grower	Farm	Field	Area	Centroid
ASM	Schrader Real Estate & Auction	Vermilion County	Tract 9	11.18 acres	40.419707, -87.680627



	Min	Max	Avg
P	58.6	126.4	92.5
K	477.18	1003	740.33
pH	6.5	6.6	6.6
OM	3.0	3.0	3.0

Sample Date Soil Lab  
 2020-02-20 Agricultural Soil Management

ID	P lbs/ac	K lbs/ac	pH	OM %
1	58.6	477.18	6.5	3.0
2	126.4	1003	6.6	3.0



# Soil Test Report - Tract 9



Elemental Field Sample Report

**Grower:** Schrader Real Estate & Auction

**Farm:** Vermilion County

**Field:** Tract 9 **Zone:** Not Specified

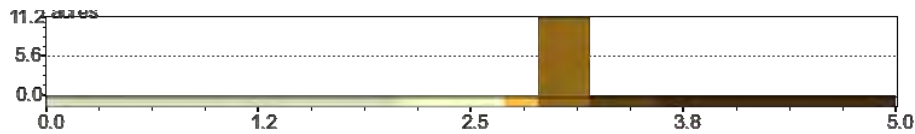
**Area:** 11.2

**Sample Date:** 2020-02-20

Organic Matter (OM) %



Min: 3.0 Max: 3.0 Avg: 3.0



# Soil Test Report - Tract 9



Elemental Field Sample Report

**Grower:** Schrader Real Estate & Auction

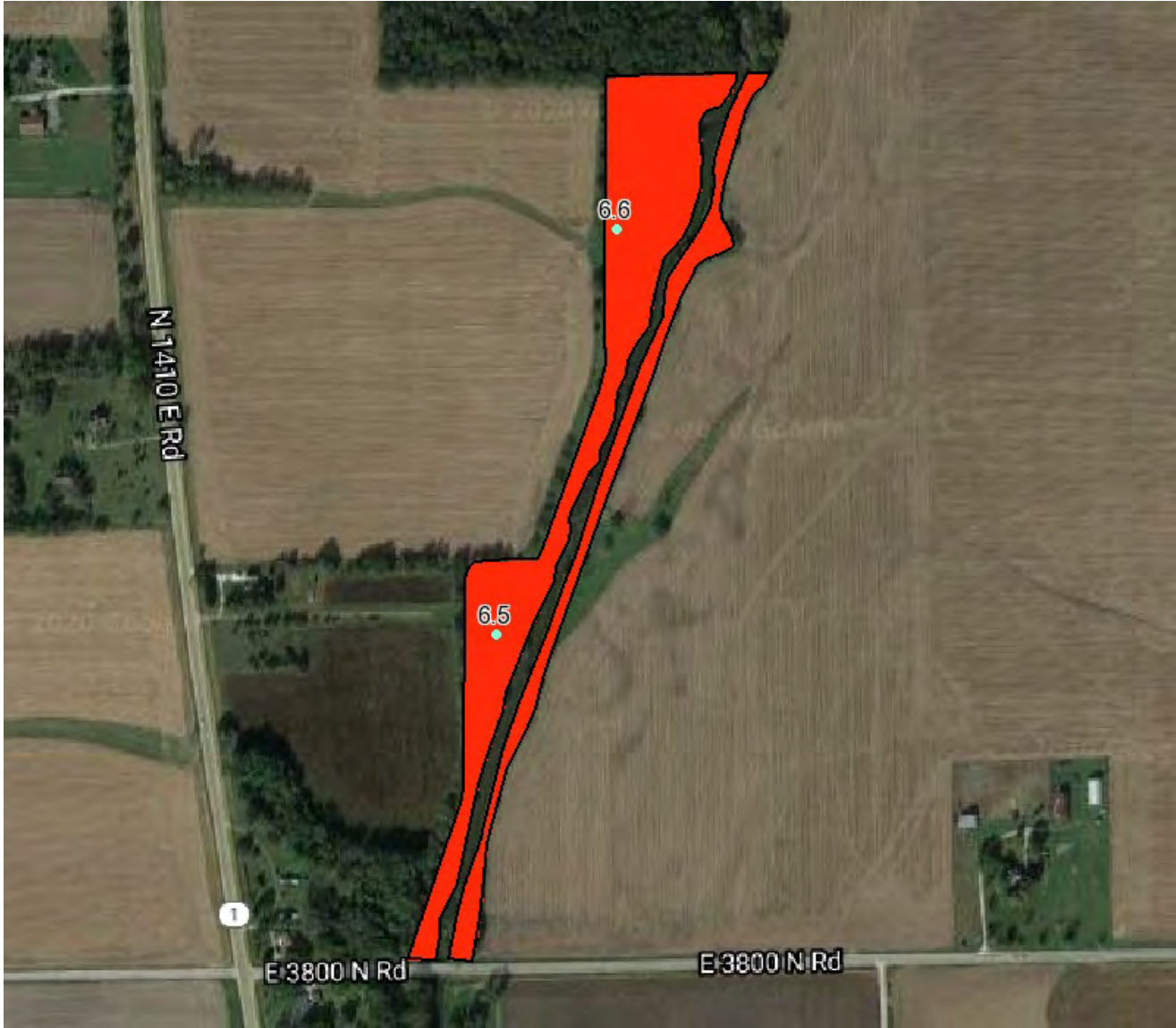
**Farm:** Vermilion County

**Field:** Tract 9 **Zone:** Not Specified

**Area:** 11.2

**Sample Date:** 2020-02-20

(pH)



Min: 6.5 Max: 6.6 Avg: 6.6

(pH)	Soil Levels	Area (ac)	Percent Acres
4.5-5.0	Very Low	0.0	0.0
5.0-6.0	Low	0.0	0.0
6.0-6.2	Optimal	0.0	0.0
6.2-6.5	High	0.0	0.0
6.5-6	Very High	11.18	99.99

# Soil Test Report - Tract 9

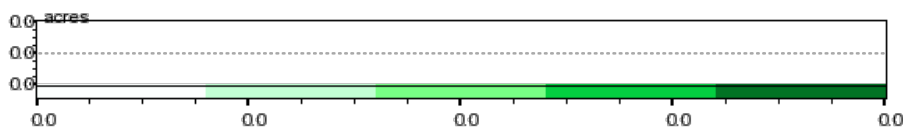


Soil Fertility

Grower: Schrader Real Estate & Auction Farm: Vermilion County

Field(s): Tract 9

### Lime - Fertilizer Application (lbs/ac)



Lab: Agricultural Soil Management    Custom Eq: L 5    Commodity: Corn-Soybeans    Sample Date: 2020-02-20

**Constraints:**

Target pH: 6.5

Max Rate: 6000.0 lbs/ac    Multiplier: N/A

Min Rate: 1000.0 lbs/ac    Subtract: N/A

Switch Rate: 500.0 lbs/ac

Minimum Application Rate: 0.0 lbs/ac

Total Product: 0.0 lbs

Maximum Application Rate: 0.0 lbs/ac

Total Product Bulk: 0.00 ton

Average Application Rate: 0.0 lbs/ac

Product Cost / Bulk: \$0.0/ton

Application Area: 0.0 ac

Total Product Price: \$0.0

Average Field Rate: 0.00 lbs/ac

Application Cost / Area: \$0.0/ac

Total Area: 11.23 ac

Total Application Cost: \$0.0

Total Cost: \$0.0

# Soil Test Report - Tract 9



Soil Fertility

## Fertilizer Application Summary

Grower: Schrader Real Estate & Auction  
 Farm: Vermilion County  
 Field(s): Tract 9

Commodity: Corn-Soybeans  
 Labs: Agricultural Soil Management

Selected Parameters					
Product	Rec %	Max Rate	Min Rate	+/-	Switch Rate
Lime	100	6000.0 lbs/ac	1000.0 lbs/ac	0.00	500.0 lbs/ac

Product	Wt App	Wt App Bulk	Applied Area	Product Cost	Est. Cost	Est. Cost/Area
Lime	0.00 (lbs)	0.00 ton	0.00	\$0.0/ton	\$0.0	\$0.0/ac
Application				\$0.0 /ac	\$0.0	\$0.0/ac
Totals					\$0.00	\$0.0/ac

Field Summary					
Field	PLS ID	FSA ID	County	Area	Centroid
Tract 9	26 23N 12W	--	Vermilion	11.18 ac	40.419707, -87.680627



# Soil Test Report - Tract 9



Elemental Field Sample Report

**Grower:** Schrader Real Estate & Auction

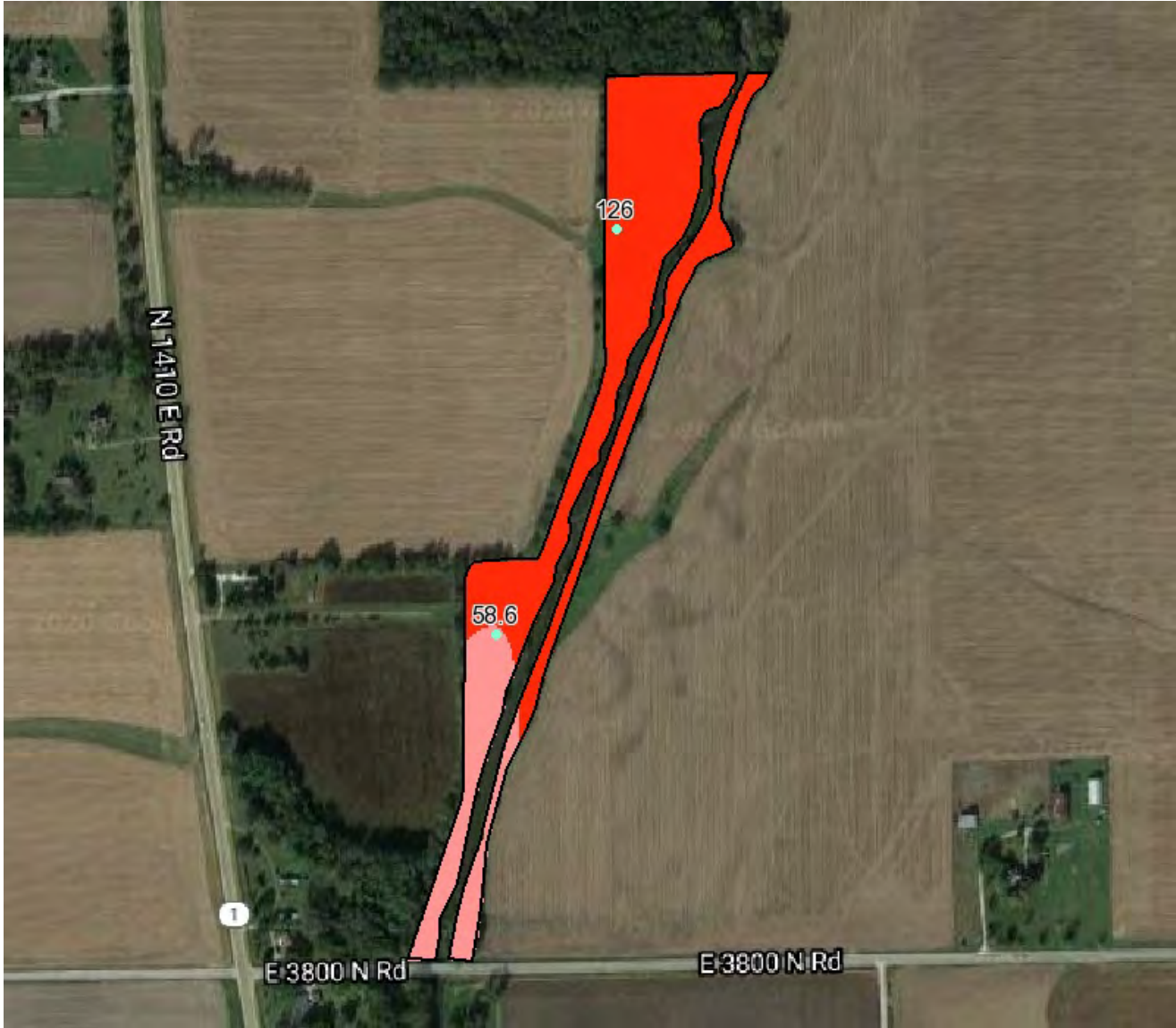
**Farm:** Vermilion County

**Field:** Tract 9 **Zone:** Not Specified

**Area:** 11.2

**Sample Date:** 2020-02-20

Phosphorous (P) lbs/ac



Min: 58.6 Max: 126.4 Avg: 92.5

Phosphorous (P) Range	Soil Levels	Area (ac)	Percent Acres
0-25	Very Low	0.0	0.0
25-35	Low	0.6	0.0
35-60	Optimal	0.0	0.0
60-80	High	2.48	22.27
80-200	Very High	8.99	77.72

Phosphorus (P) One of three primary nutrients, phosphorus is essential for plant growth, and a plant must access it to complete its normal production cycle. Plants absorb P from the soil as primary and secondary ortho-phosphates (H<sub>2</sub>PO<sub>4</sub><sup>-</sup> and HPO<sub>4</sub><sup>2-</sup>).

# Soil Test Report - Tract 9

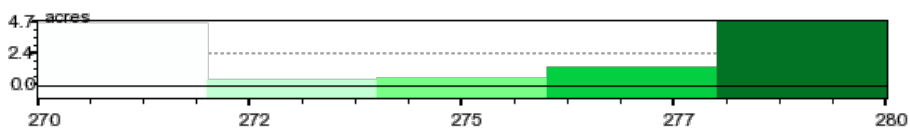
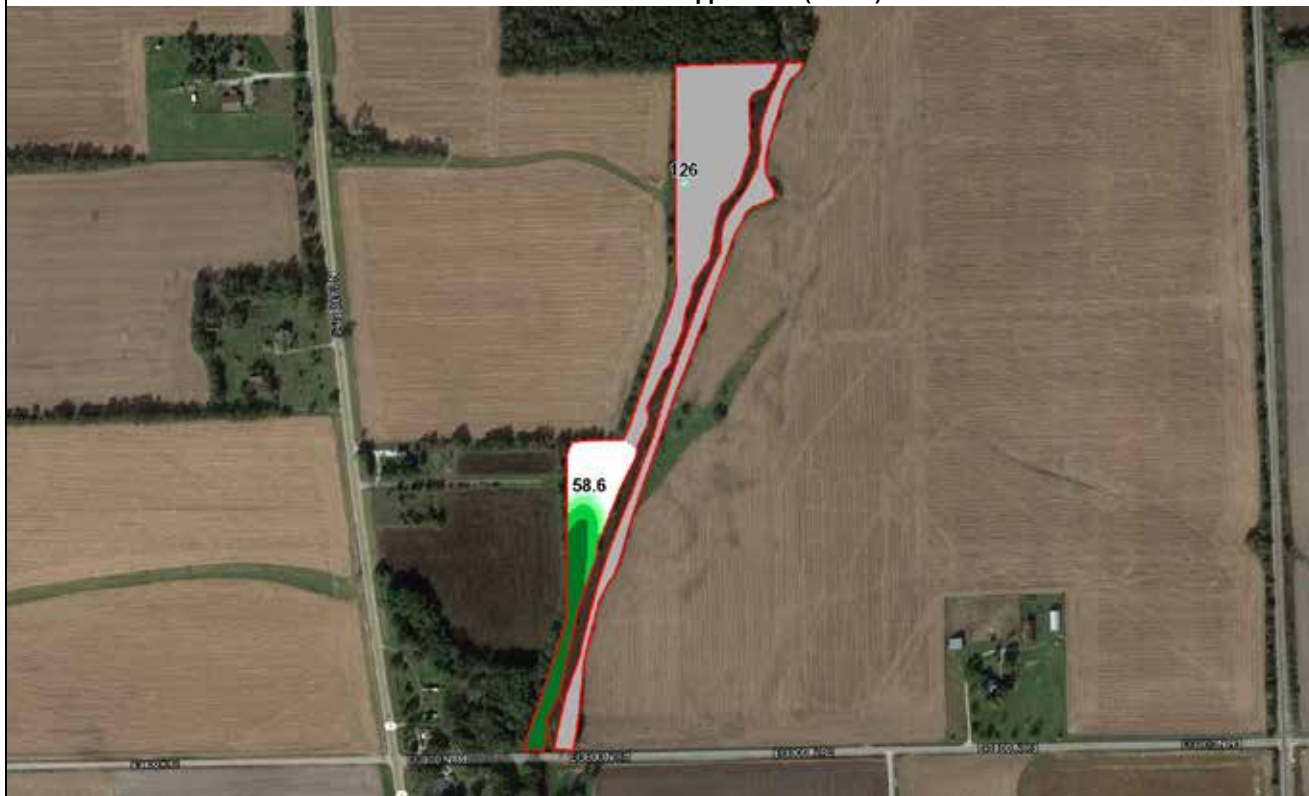


Soil Fertility

Grower: Schrader Real Estate & Auction Farm: Vermilion County

Field(s): Tract 9

TSP 0-45-0 - Fertilizer Application (lbs/ac)



Lab: Agricultural Soil Management    Custom Eq: P 4 w/ YIELD    Commodity: Corn-Soybeans    Sample Date: 2020-02-20

**Constraints:**

Corn Yield: 210 bu/ac    Bean Yield: 70 bu/ac

Max Rate: 300.0 lbs/ac    Multiplier: N/A

Min Rate: 270.0 lbs/ac    Subtract: N/A

Switch Rate: 220.0 lbs/ac

Minimum Application Rate: 270.0 lbs/ac  
 Maximum Application Rate: 279.9 lbs/ac  
 Average Application Rate: 275.14 lbs/ac  
 Application Area: 3.04 ac  
 Average Field Rate: 74.50 lbs/ac  
 Total Area: 11.23 ac

Total Product: 836.98 lbs  
 Total Product Bulk: 0.42 ton  
 Product Cost / Bulk: \$0.0/ton  
 Total Product Price: \$0.0  
 Application Cost / Area: \$0.0/ac  
 Total Application Cost: \$0.0  
 Total Cost: \$0.0

# Soil Test Report - Tract 9



Soil Fertility

## Fertilizer Application Summary

Grower: Schrader Real Estate & Auction  
 Farm: Vermilion County  
 Field(s): Tract 9

Commodity: Corn-Soybeans  
 Labs: Agricultural Soil Management

Selected Parameters					
Product	Rec %	Max Rate	Min Rate	+/-	Switch Rate
TSP 0-45-0	100	300.0 lbs/ac	270.0 lbs/ac	0.00	220.0 lbs/ac

Product	Wt App	Wt App Bulk	Applied Area	Product Cost	Est. Cost	Est. Cost/Area
TSP 0-45-0	836.98 (lbs)	0.42 ton	3.04	\$0.0/ton	\$0.0	\$0.0/ac
Application				\$0.0 /ac	\$0.0	\$0.0/ac
Totals					\$0.00	\$0.0/ac

Field Summary					
Field	PLS ID	FSA ID	County	Area	Centroid
Tract 9	26 23N 12W	--	Vermilion	11.18 ac	40.419707, -87.680627



# Soil Test Report - Tract 9



Elemental Field Sample Report

**Grower:** Schrader Real Estate & Auction

**Farm:** Vermilion County

**Field:** Tract 9 **Zone:** Not Specified

**Area:** 11.2

**Sample Date:** 2020-02-20

Potassium (K) lbs/ac



Min: 477.18 Max: 1003 Avg: 740.33

Potassium (K) Range	Soil Levels	Area (ac)	Percent Acres
0-200	Very Low	0.0	0.0
200-300	Low	0.0	0.0
300-400	Optimal	0.0	0.0
400-450	High	0.0	0.0
450-1200	Very High	11.18	99.99

Potassium (K) is one of the essential nutrients and is taken up in significant amounts by crops. Potassium is vital to photosynthesis, protein synthesis and many other functions in plants. It is classified as a macro-nutrient, as are nitrogen (N) and phosphorus (P). Plants take up K in its ionic form (K+).



# Soil Test Report - Tract 9

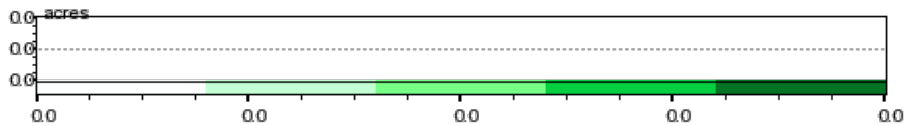


Soil Fertility

Grower: Schrader Real Estate & Auction Farm: Vermilion County

Field(s): Tract 9

Potash 0-0-60 - Fertilizer Application (lbs/ac)



Lab: Agricultural Soil Management    Custom Eq: K 01 w/ YIELD    Commodity: Corn-Soybeans    Sample Date: 2020-02-20

**Constraints:**

Corn Yield: 210 bu/ac    Bean Yield: 70 bu/ac

Max Rate: 300.0 lbs/ac    Multiplier: N/A

Min Rate: 210.0 lbs/ac    Subtract: N/A

Switch Rate: 160.0 lbs/ac

Minimum Application Rate: 0.0 lbs/ac

Total Product: 0.0 lbs

Maximum Application Rate: 0.0 lbs/ac

Total Product Bulk: 0.00 ton

Average Application Rate: 0.0 lbs/ac

Product Cost / Bulk: \$0.0/ton

Application Area: 0.0 ac

Total Product Price: \$0.0

Average Field Rate: 0.00 lbs/ac

Application Cost / Area: \$0.0/ac

Total Area: 11.23 ac

Total Application Cost: \$0.0

Total Cost: \$0.0

# Soil Test Report - Tract 9



Soil Fertility

## Fertilizer Application Summary

Grower: Schrader Real Estate & Auction  
 Farm: Vermilion County  
 Field(s): Tract 9

Commodity: Corn-Soybeans  
 Labs: Agricultural Soil Management

Selected Parameters					
Product	Rec %	Max Rate	Min Rate	+/-	Switch Rate
Potash 0-0-60	100	300.0 lbs/ac	210.0 lbs/ac	0.00	160.0 lbs/ac

Product	Wt App	Wt App Bulk	Applied Area	Product Cost	Est. Cost	Est. Cost/Area
Potash 0-0-60	0.00 (lbs)	0.00 ton	0.00	\$0.0/ton	\$0.0	\$0.0/ac
Application				\$0.0 /ac	\$0.0	\$0.0/ac
Totals					\$0.00	\$0.0/ac

Field Summary					
Field	PLS ID	FSA ID	County	Area	Centroid
Tract 9	26 23N 12W	--	Vermilion	11.18 ac	40.419707, -87.680627

# Soil Test Report - Tract 10

## Schrader Real Estate & Auction Soil Test Report 2020



**Vermilion County**  
**Tract 10**  
79.9A sec27 GRANT

# Soil Test Report - Tract 10



Label	Area
White	79.88

Notes:



# Soil Test Report - Tract 10

Location	Grower	Farm	Field	Area	Centroid
ASM	Schrader Real Estate & Auction	Vermilion County	Tract 10	79.88 acres	40.420858, -87.579325



		Min	Max	Avg
P	44.0	75.3	57.1	
K	332.85	554.65	426.74	
pH	5.7	7.0	6.2	
OM	3.0	3.5	3.1	

Sample Date Soil Lab  
2020-02-20 Agricultural Soil Management

ID	P lbs/ac	K lbs/ac	pH	OM %
1	49.8	554.65	5.7	3.0
2	60.9	332.85	6.0	3.0
3	75.3	505.94	6.2	3.5
4	53.4	459.08	6.0	3.0
5	62.6	405.23	6.3	3.0
6	60.9	421.19	6.5	3.0
7	49.9	356.56	6.3	3.0
8	44.0	378.40	7.0	3.0

# Soil Test Report - Tract 10



Elemental Field Sample Report

**Grower:** Schrader Real Estate & Auction

**Farm:** Vermilion County

**Field:** Tract 10

**Zone:** Not Specified

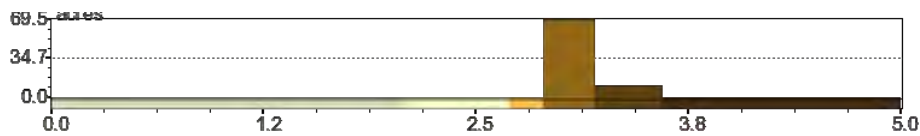
**Area:** 79.9

**Sample Date:** 2020-02-20

Organic Matter (OM) %



Min: 3.0 Max: 3.5 Avg: 3.1



# Soil Test Report - Tract 10

**Grower:** Schrader Real Estate & Auction

**Farm:** Vermilion County

**Field:** Tract 10

**Zone:** Not Specified

**Area:** 79.9

**Sample Date:** 2020-02-20

(pH)



Min: 5.7 Max: 7.0 Avg: 6.2

(pH)	Soil Levels	Area (ac)	Percent Acres
4.5-5.0	Very Low	0.0	0.0
5.0-6.0	Low	13.53	16.94
6.0-6.2	Optimal	21.58	27.02
6.2-6.5	High	33.4	41.81
6.5-6	Very High	11.37	14.23

# Soil Test Report - Tract 10

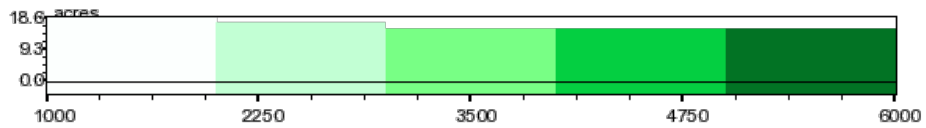


Soil Fertility

Grower: Schrader Real Estate & Auction Farm: Vermilion County

Field(s): Tract 10

Lime - Fertilizer Application (lbs/ac)



Lab: Agricultural Soil Management      Custom Eq: L 5      Commodity: Corn-Soybeans      Sample Date: 2020-02-20

**Constraints:**

Target pH: 6.5

Max Rate: 6000.0 lbs/ac      Multiplier: N/A

Min Rate: 1000.0 lbs/ac      Subtract: N/A

Switch Rate: 500.0 lbs/ac

Minimum Application Rate:	1000.0 lbs/ac	Total Product:	248410.39 lbs
Maximum Application Rate:	6000.0 lbs/ac	Total Product Bulk:	124.21 ton
Average Application Rate:	3349.64 lbs/ac	Product Cost / Bulk:	\$0.0/ton
Application Area:	74.16 ac	Total Product Price:	\$0.0
Average Field Rate:	3106.42 lbs/ac	Application Cost / Area:	\$0.0/ac
Total Area:	79.97 ac	Total Application Cost:	\$0.0
		Total Cost:	\$0.0



# Soil Test Report - Tract 10



Soil Fertility

## Fertilizer Application Summary

Grower: Schrader Real Estate & Auction  
Farm: Vermilion County  
Field(s): Tract 10

Commodity: Corn-Soybeans  
Labs: Agricultural Soil Management

Selected Parameters					
Product	Rec %	Max Rate	Min Rate	+/-	Switch Rate
Lime	100	6000.0 lbs/ac	1000.0 lbs/ac	0.00	500.0 lbs/ac

Product	Wt App	Wt App Bulk	Applied Area	Product Cost	Est. Cost	Est. Cost/Area
Lime	248410.39 (lbs)	124.21 ton	74.16	\$0.0/ton	\$0.0	\$0.0/ac
Application				\$0.0 /ac	\$0.0	\$0.0/ac
Totals					\$0.00	\$0.0/ac

Field Summary					
Field	PLS ID	FSA ID	County	Area	Centroid
Tract 10	27 23N 11W	--	Vermilion	79.88 ac	40.420858, -87.579325

# Soil Test Report - Tract 10



Elemental Field Sample Report

**Grower:** Schrader Real Estate & Auction

**Farm:** Vermilion County

**Field:** Tract 10

**Zone:** Not Specified

**Area:** 79.9

**Sample Date:** 2020-02-20

Phosphorous (P) lbs/ac



Min: 44.0 Max: 75.3 Avg: 57.1

Phosphorous (P) Range	Soil Levels	Area (ac)	Percent Acres
0-25	Very Low	0.0	0.0
25-35	Low	0.0	0.0
35-60	Optimal	18.04	22.58
60-80	High	30.8	38.51
80-200	Very High	31.25	39.1

Phosphorus (P) One of three primary nutrients, phosphorus is essential for plant growth, and a plant must access it to complete its normal production cycle. Plants absorb P from the soil as primary and secondary ortho-phosphates (H<sub>2</sub>PO<sub>4</sub>- and HPO<sub>4</sub>2-).

# Soil Test Report - Tract 10

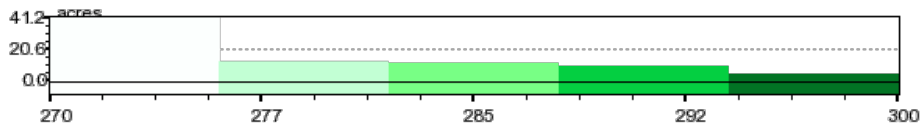
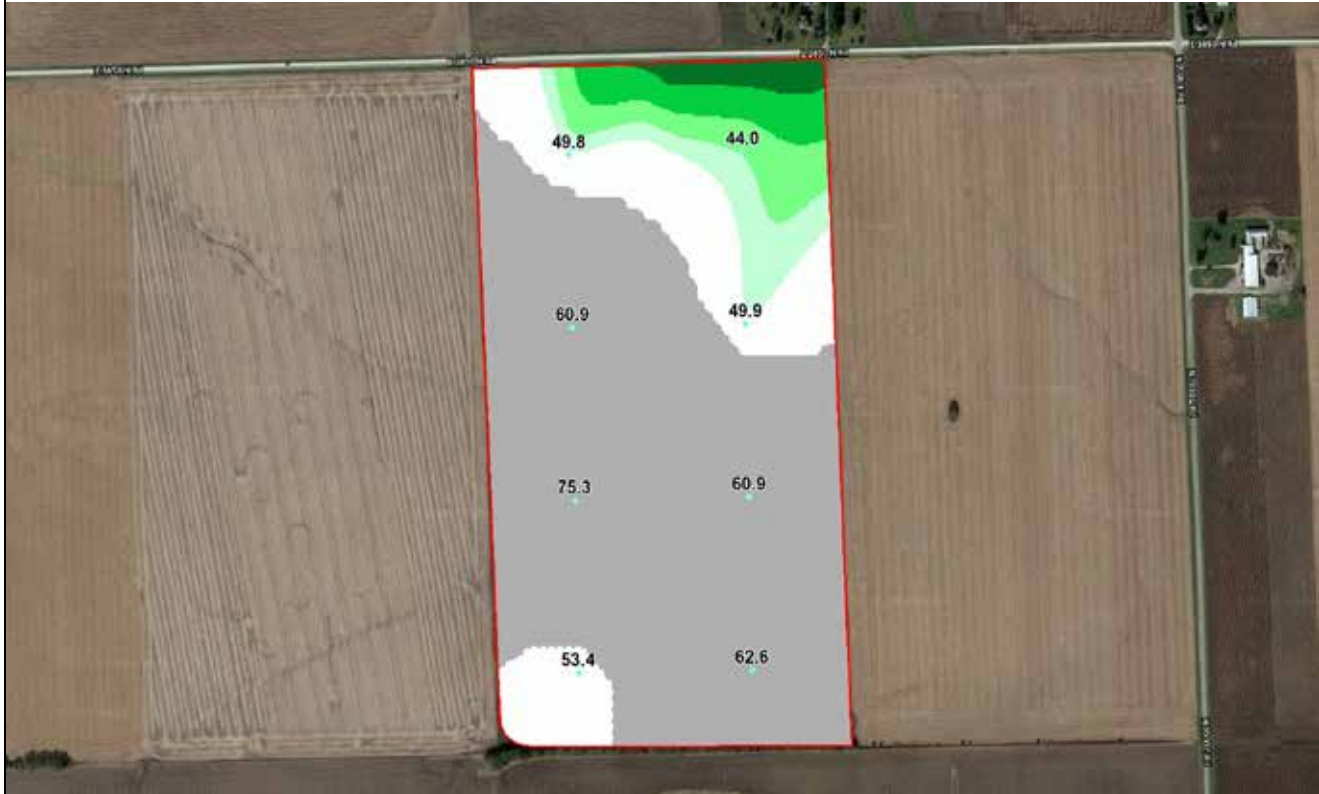


Soil Fertility

Grower: Schrader Real Estate & Auction Farm: Vermilion County

Field(s): Tract 10

TSP 0-45-0 - Fertilizer Application (lbs/ac)



Lab: Agricultural Soil Management    Custom Eq: P 4 w/ YIELD    Commodity: Corn-Soybeans    Sample Date: 2020-02-20

**Constraints:**

Corn Yield: 210 bu/ac    Bean Yield: 70 bu/ac

Max Rate: 300.0 lbs/ac    Multiplier: N/A

Min Rate: 270.0 lbs/ac    Subtract: N/A

Switch Rate: 220.0 lbs/ac

Minimum Application Rate: 270.0 lbs/ac  
 Maximum Application Rate: 300.0 lbs/ac  
 Average Application Rate: 277.94 lbs/ac  
 Application Area: 25.31 ac  
 Average Field Rate: 87.96 lbs/ac  
 Total Area: 79.97 ac

Total Product: 7034.26 lbs  
 Total Product Bulk: 3.52 ton  
 Product Cost / Bulk: \$0.0/ton  
 Total Product Price: \$0.0  
 Application Cost / Area: \$0.0/ac  
 Total Application Cost: \$0.0  
 Total Cost: \$0.0

# Soil Test Report - Tract 10



Soil Fertility

## Fertilizer Application Summary

Grower: Schrader Real Estate & Auction  
 Farm: Vermilion County  
 Field(s): Tract 10

Commodity: Corn-Soybeans  
 Labs: Agricultural Soil Management

Selected Parameters					
Product	Rec %	Max Rate	Min Rate	+/-	Switch Rate
TSP 0-45-0	100	300.0 lbs/ac	270.0 lbs/ac	0.00	220.0 lbs/ac

Product	Wt App	Wt App Bulk	Applied Area	Product Cost	Est. Cost	Est. Cost/Area
TSP 0-45-0	7034.26 (lbs)	3.52 ton	25.31	\$0.0/ton	\$0.0	\$0.0/ac
Application				\$0.0 /ac	\$0.0	\$0.0/ac
Totals					\$0.00	\$0.0/ac

Field Summary					
Field	PLS ID	FSA ID	County	Area	Centroid
Tract 10	27 23N 11W	--	Vermilion	79.88 ac	40.420858, -87.579325



# Soil Test Report - Tract 10



Elemental Field Sample Report

**Grower:** Schrader Real Estate & Auction

**Farm:** Vermilion County

**Field:** Tract 10

**Zone:** Not Specified

**Area:** 79.9

**Sample Date:** 2020-02-20

Potassium (K) lbs/ac



Min: 332.85 Max: 554.65 Avg: 426.74

Potassium (K) Range	Soil Levels	Area (ac)	Percent Acres
0-200	Very Low	0.0	0.0
200-300	Low	0.6	0.8
300-400	Optimal	22.71	28.4
400-450	High	26.88	33.6
450-1200	Very High	25.3	31.6

Potassium (K) is one of the essential nutrients and is taken up in significant amounts by crops. Potassium is vital to photosynthesis, protein synthesis and many other functions in plants. It is classified as a macro-nutrient, as are nitrogen (N) and phosphorus (P). Plants take up K in its ionic form (K+).

# Soil Test Report - Tract 10

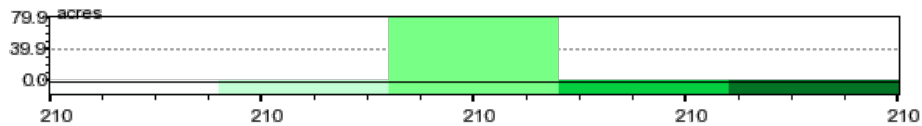
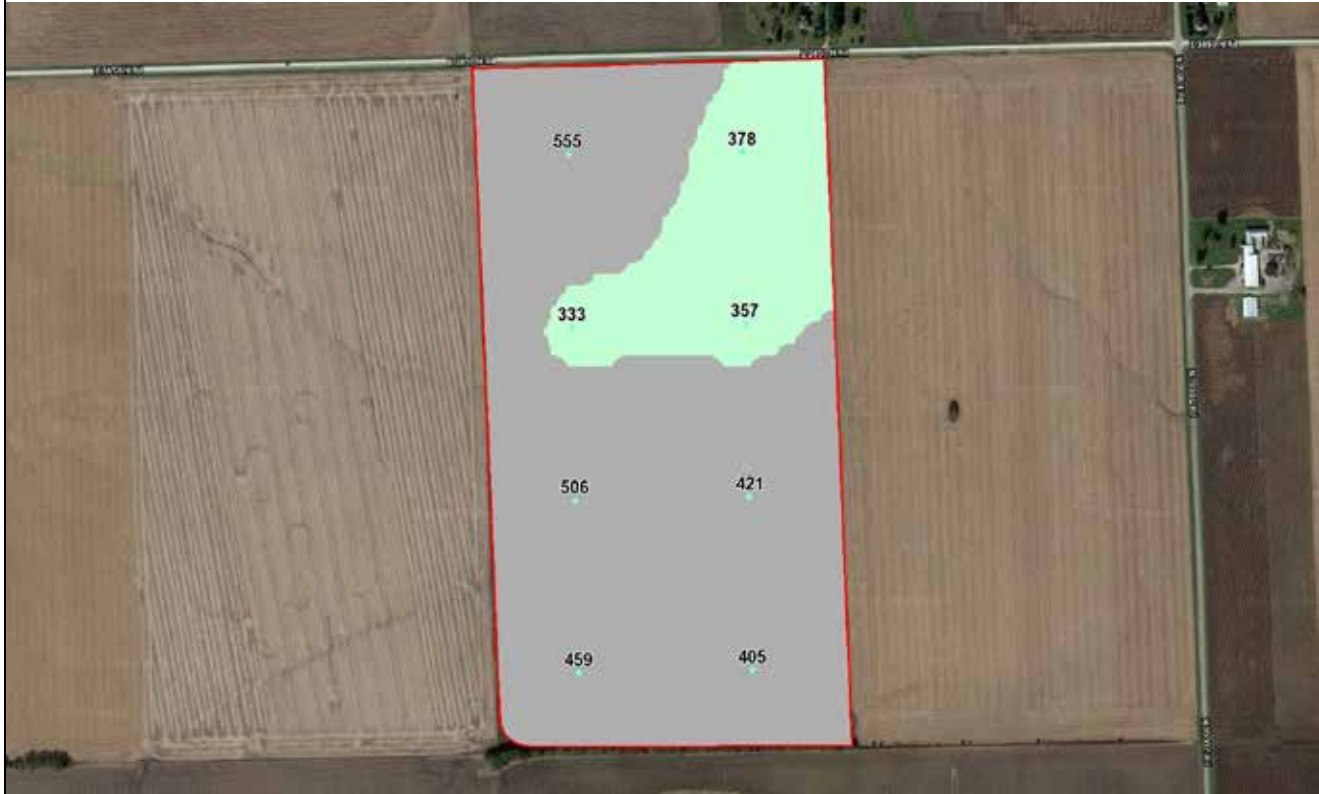


Soil Fertility

Grower: Schrader Real Estate & Auction Farm: Vermilion County

Field(s): Tract 10

Potash 0-0-60 - Fertilizer Application (lbs/ac)



Lab: Agricultural Soil Management    Custom Eq: K 01 w/ YIELD    Commodity: Corn-Soybeans    Sample Date: 2020-02-20

**Constraints:**

Corn Yield: 210 bu/ac    Bean Yield: 70 bu/ac

Max Rate: 300.0 lbs/ac    Multiplier: N/A

Min Rate: 210.0 lbs/ac    Subtract: N/A

Switch Rate: 160.0 lbs/ac

Minimum Application Rate: 210.0 lbs/ac  
 Maximum Application Rate: 210.0 lbs/ac  
 Average Application Rate: 210.0 lbs/ac  
 Application Area: 17.57 ac  
 Average Field Rate: 46.13 lbs/ac  
 Total Area: 79.97 ac

Total Product: 3689.13 lbs  
 Total Product Bulk: 1.84 ton  
 Product Cost / Bulk: \$0.0/ton  
 Total Product Price: \$0.0  
 Application Cost / Area: \$0.0/ac  
 Total Application Cost: \$0.0  
 Total Cost: \$0.0

# Soil Test Report - Tract 10



Soil Fertility

## Fertilizer Application Summary

Grower: Schrader Real Estate & Auction  
 Farm: Vermilion County  
 Field(s): Tract 10

Commodity: Corn-Soybeans  
 Labs: Agricultural Soil Management

Selected Parameters					
Product	Rec %	Max Rate	Min Rate	+/-	Switch Rate
Potash 0-0-60	100	300.0 lbs/ac	210.0 lbs/ac	0.00	160.0 lbs/ac

Product	Wt App	Wt App Bulk	Applied Area	Product Cost	Est. Cost	Est. Cost/Area
Potash 0-0-60	3689.13 (lbs)	1.84 ton	17.57	\$0.0/ton	\$0.0	\$0.0/ac
Application				\$0.0 /ac	\$0.0	\$0.0/ac
Totals					\$0.00	\$0.0/ac

Field Summary					
Field	PLS ID	FSA ID	County	Area	Centroid
Tract 10	27 23N 11W	--	Vermilion	79.88 ac	40.420858, -87.579325

# Soil Test Report - Tract 11

## Schrader Real Estate & Auction Soil Test Report 2020



**Vermilion County**  
**Tract 11**  
61.5A sec27 GRANT



# Soil Test Report - Tract 11

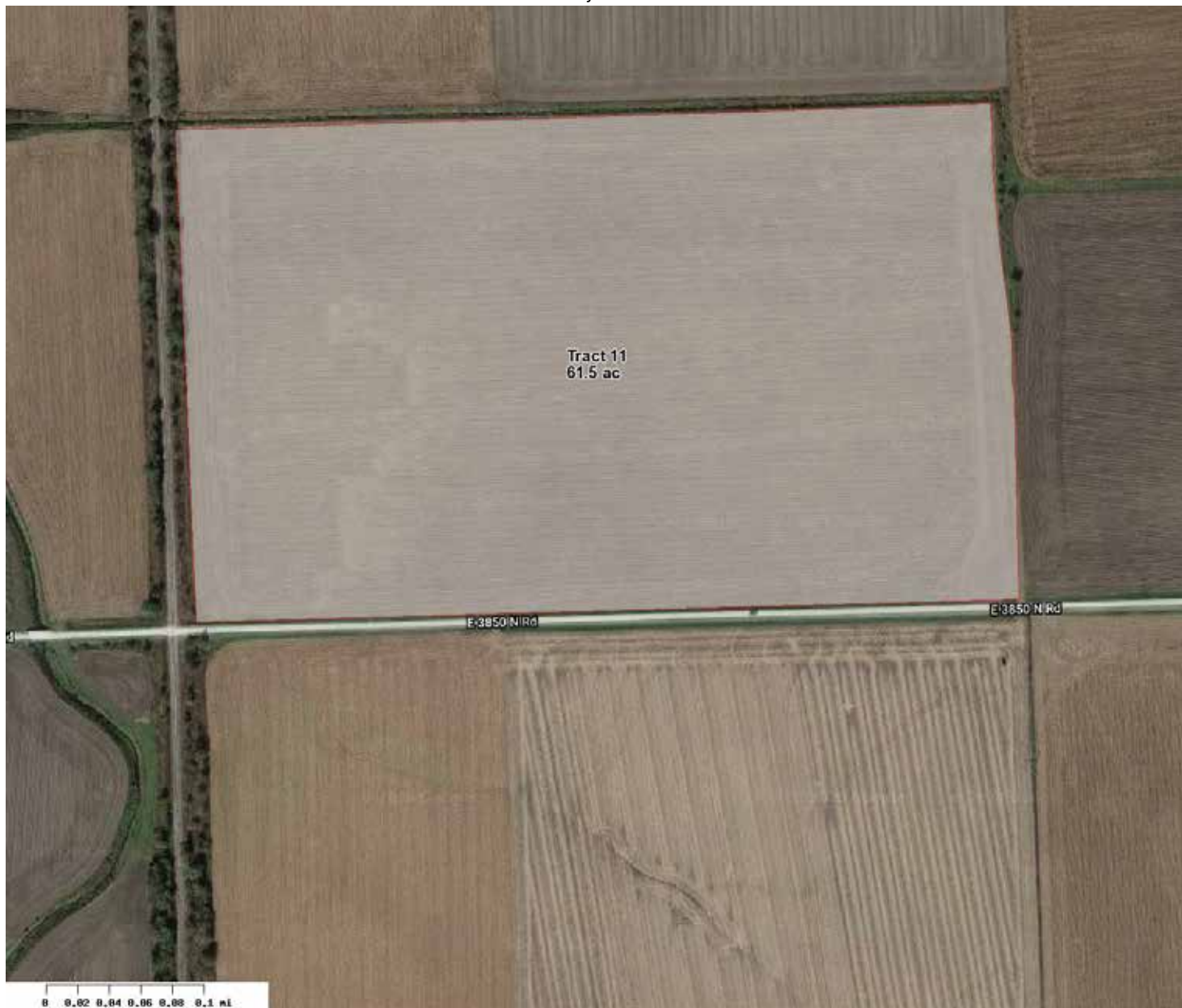


[Quick Map](#)

Grower: Schrader Real Estate & Auction

Farm: Vermilion County

Field: Tract 11



Label	Area
White	61.52

Notes:

# Soil Test Report - Tract 11



Field Sample Summary

Location	Grower	Farm	Field	Area	Centroid
ASM	Schrader Real Estate & Auction	Vermilion County	Tract 11	61.52 acres	40.426176, -87.5859



		Min	Max	Avg
P	35.1	254.5	88.8	
K	405.34	973.58	531.38	
pH	6.1	7.3	6.6	
OM	2.5	3.5	3.2	

Sample Date: 2020-02-20  
 Soil Lab: Agricultural Soil Management

ID	P lbs/ac	K lbs/ac	pH	OM %
1	49.9	465.82	6.5	3.0
2	254.5	973.58	7.3	3.5
3	35.1	424.14	6.8	2.5
4	51.3	434.19	6.1	3.0
5	76.9	485.18	6.3	3.5
6	65.2	405.34	6.4	3.5

# Soil Test Report - Tract 11



Elemental Field Sample Report

**Grower:** Schrader Real Estate & Auction

**Farm:** Vermilion County

**Field:** Tract 11

**Zone:** Not Specified

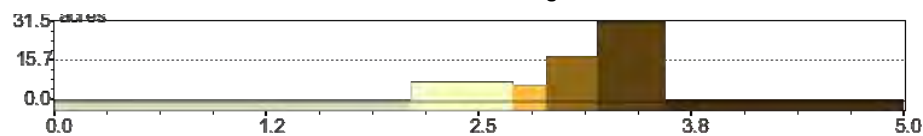
**Area:** 61.5

**Sample Date:** 2020-02-20

Organic Matter (OM) %



Min: 2.5 Max: 3.5 Avg: 3.2



# Soil Test Report - Tract 11



Elemental Field Sample Report

**Grower:** Schrader Real Estate & Auction

**Farm:** Vermilion County

**Field:** Tract 11  
(pH)

**Zone:** Not Specified

**Area:** 61.5

**Sample Date:** 2020-02-20



Min: 6.1 Max: 7.3 Avg: 6.6

pH	Soil Levels	Area (ac)	Percent Acres
4.5-5.0	Very Low	0.0	0.0
5.0-6.0	Low	0.0	0.0
6.0-6.2	Optimal	5.94	11.28
6.2-6.5	High	25.05	40.72
6.5-6	Very High	29.51	48.0



# Soil Test Report - Tract 11

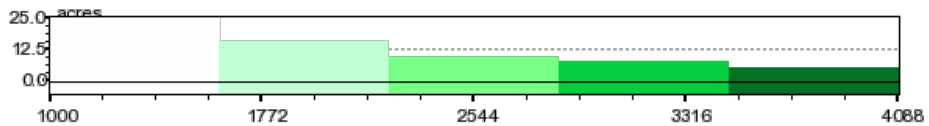
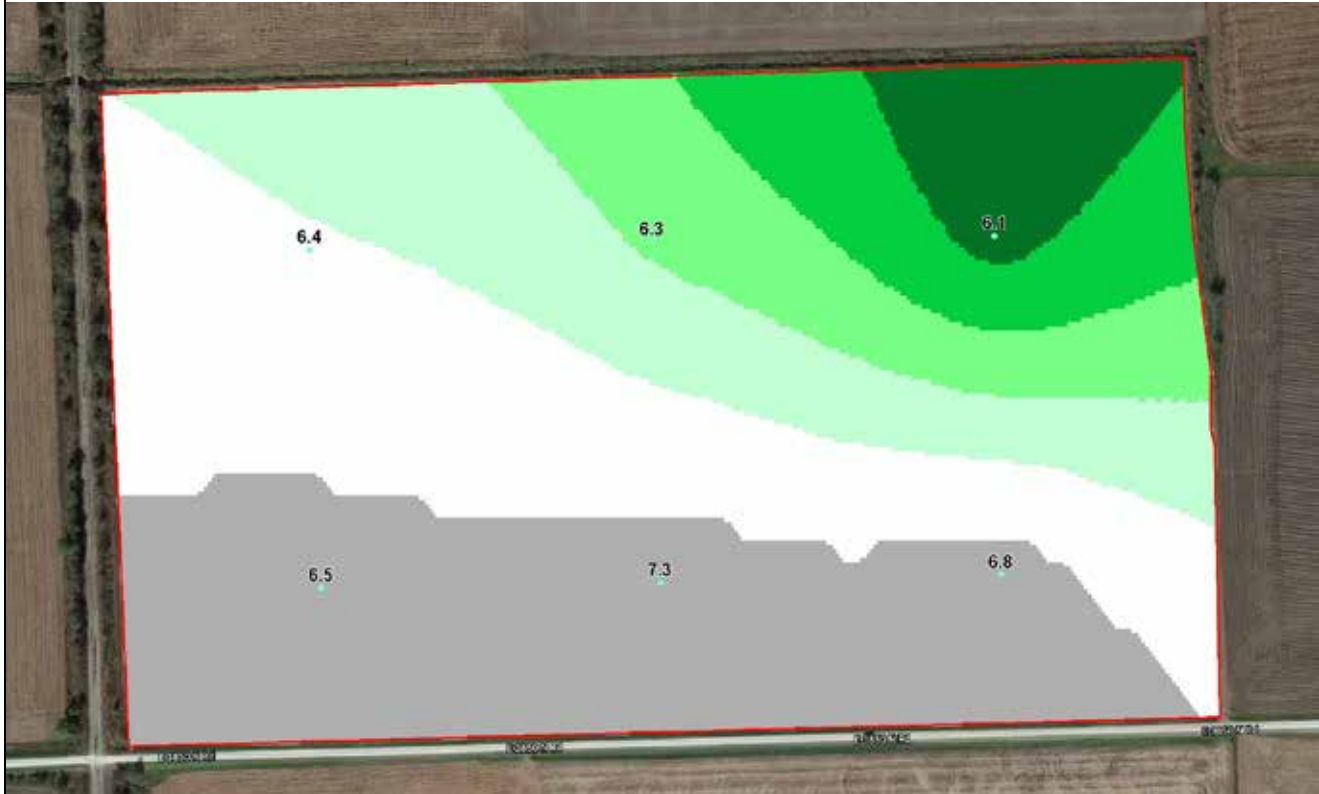


Soil Fertility

Grower: Schrader Real Estate & Auction Farm: Vermilion County

Field(s): Tract 11

### Lime - Fertilizer Application (lbs/ac)



Lab: Agricultural Soil Management      Custom Eq: L 5      Commodity: Corn-Soybeans      Sample Date: 2020-02-20

**Constraints:**

Target pH: 6.5

Max Rate: 6000.0 lbs/ac    Multiplier: N/A  
 Min Rate: 1000.0 lbs/ac    Subtract: N/A  
 Switch Rate: 500.0 lbs/ac

Minimum Application Rate:	1000.0 lbs/ac	Total Product:	84174.04 lbs
Maximum Application Rate:	4088.4 lbs/ac	Total Product Bulk:	42.09 ton
Average Application Rate:	1954.35 lbs/ac	Product Cost / Bulk:	\$0.0/ton
Application Area:	43.07 ac	Total Product Price:	\$0.0
Average Field Rate:	1365.84 lbs/ac	Application Cost / Area:	\$0.0/ac
Total Area:	61.63 ac	Total Application Cost:	\$0.0
		Total Cost:	\$0.0

# Soil Test Report - Tract 11



Soil Fertility

## Fertilizer Application Summary

Grower: Schrader Real Estate & Auction  
 Farm: Vermilion County  
 Field(s): Tract 11

Commodity: Corn-Soybeans  
 Labs: Agricultural Soil Management

Selected Parameters					
Product	Rec %	Max Rate	Min Rate	+/-	Switch Rate
Lime	100	6000.0 lbs/ac	1000.0 lbs/ac	0.00	500.0 lbs/ac

Product	Wt App	Wt App Bulk	Applied Area	Product Cost	Est. Cost	Est. Cost/Area
Lime	84174.04 (lbs)	42.09 ton	43.07	\$0.0/ton	\$0.0	\$0.0/ac
Application				\$0.0 /ac	\$0.0	\$0.0/ac
Totals					\$0.00	\$0.0/ac

Field Summary					
Field	PLS ID	FSA ID	County	Area	Centroid
Tract 11	27 23N 11W	--	Vermilion	61.52 ac	40.426176, -87.585900

# Soil Test Report - Tract 11



Elemental Field Sample Report

**Grower:** Schrader Real Estate & Auction

**Farm:** Vermilion County

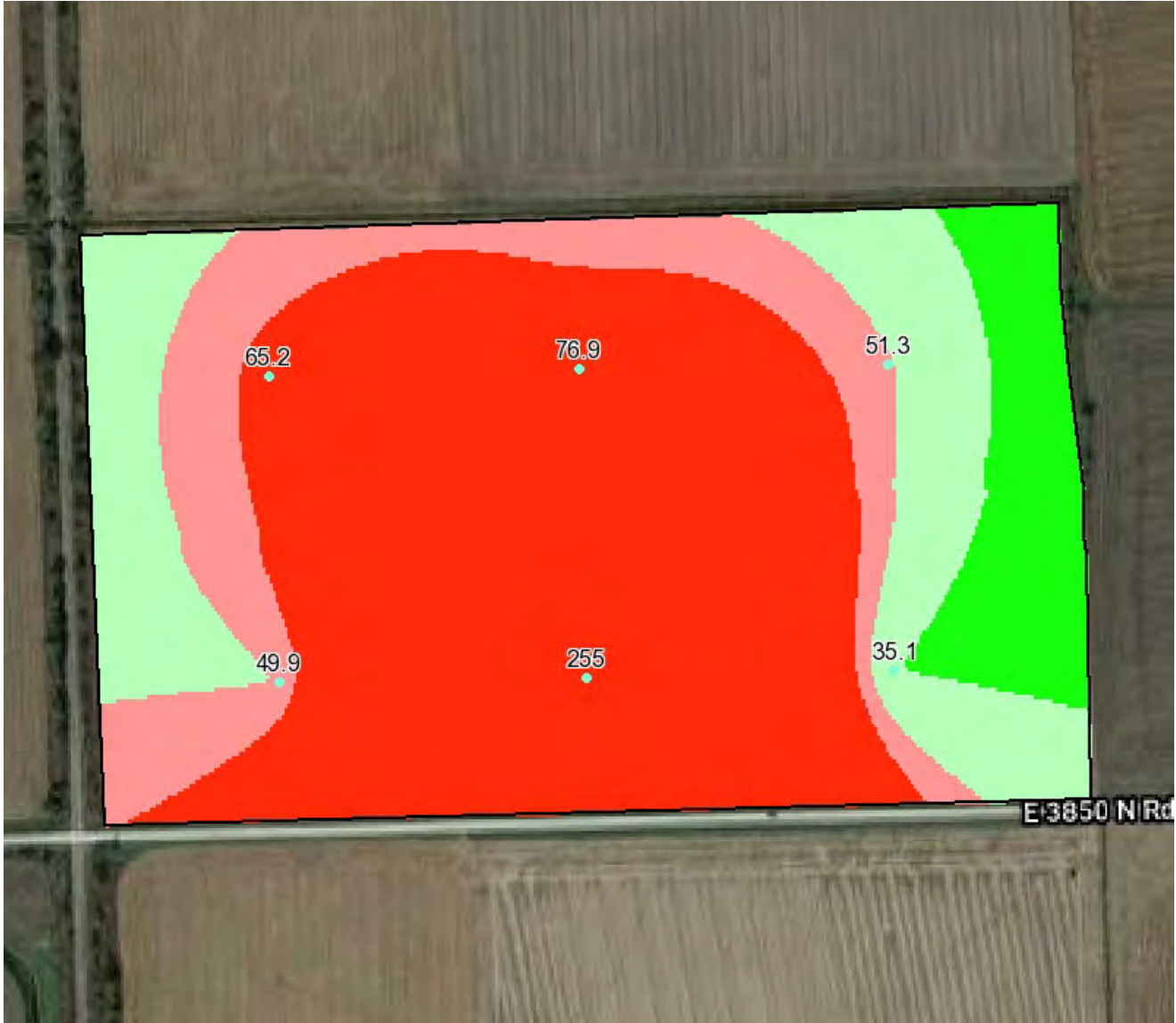
**Field:** Tract 11

**Zone:** Not Specified

**Area:** 61.5

**Sample Date:** 2020-02-20

Phosphorous (P) lbs/ac



Min: 35.1 Max: 254.5 Avg: 88.8

Phosphorous (P) Range	Soil Levels	Area (ac)	Percent Acres
0-25	Very Low	0.0	0.0
25-35	Low	5.67	9.22
35-60	Optimal	11.55	18.64
60-80	High	10.1	16.42
80-200	Very High	34.09	55.41

Phosphorus (P) One of three primary nutrients, phosphorus is essential for plant growth, and a plant must access it to complete its normal production cycle. Plants absorb P from the soil as primary and secondary ortho-phosphates (H<sub>2</sub>PO<sub>4</sub><sup>-</sup> and HPO<sub>4</sub><sup>2-</sup>).

# Soil Test Report - Tract 11

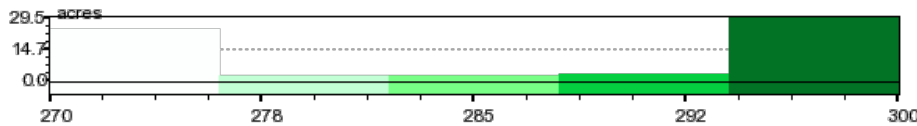
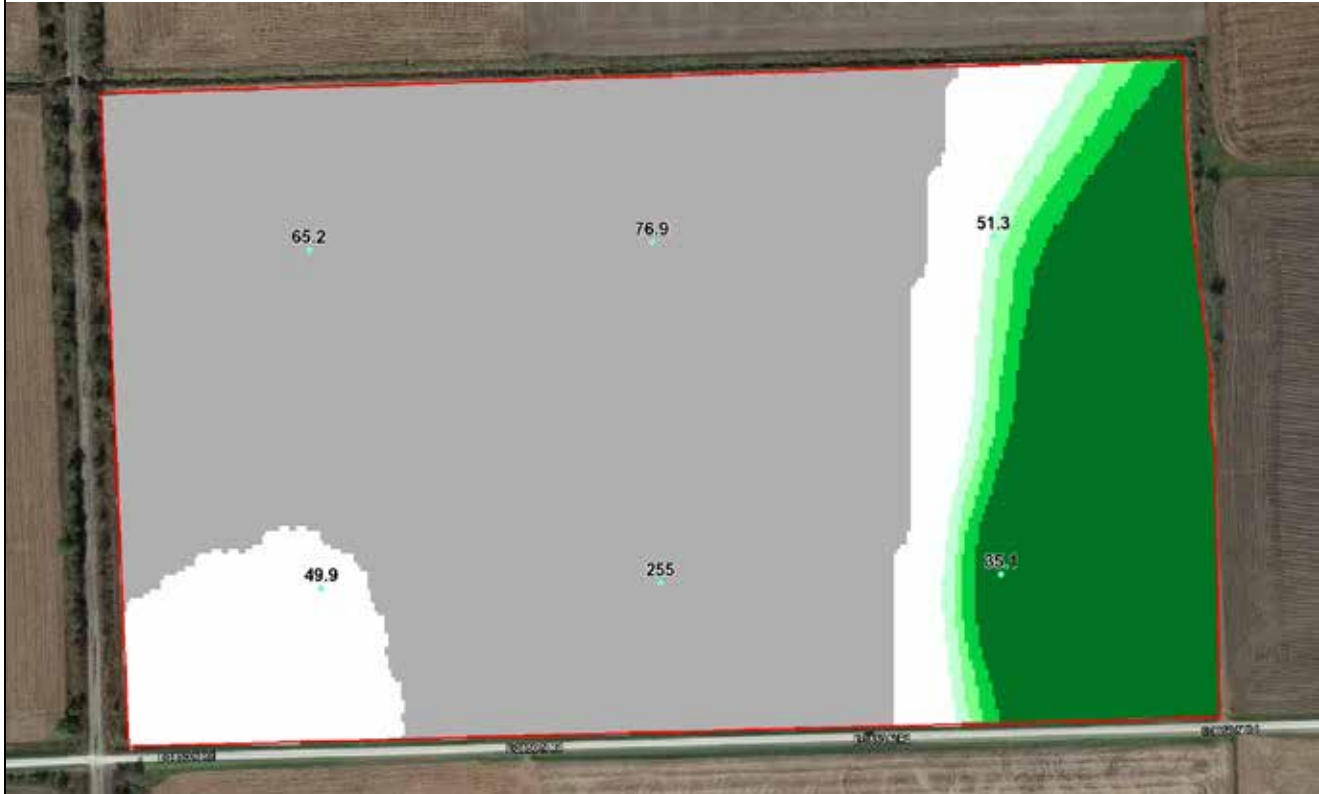


Soil Fertility

Grower: Schrader Real Estate & Auction Farm: Vermilion County

Field(s): Tract 11

TSP 0-45-0 - Fertilizer Application (lbs/ac)



Lab: Agricultural Soil Management    Custom Eq: P 4 w/ YIELD    Commodity: Corn-Soybeans    Sample Date: 2020-02-20

**Constraints:**

Corn Yield: 210 bu/ac    Bean Yield: 70 bu/ac

Max Rate: 300.0 lbs/ac    Multiplier: N/A

Min Rate: 270.0 lbs/ac    Subtract: N/A

Switch Rate: 220.0 lbs/ac

Minimum Application Rate: 270.0 lbs/ac  
 Maximum Application Rate: 300.0 lbs/ac  
 Average Application Rate: 286.52 lbs/ac  
 Application Area: 20.71 ac  
 Average Field Rate: 96.28 lbs/ac  
 Total Area: 61.63 ac

Total Product: 5933.61 lbs  
 Total Product Bulk: 2.97 ton  
 Product Cost / Bulk: \$0.0/ton  
 Total Product Price: \$0.0  
 Application Cost / Area: \$0.0/ac  
 Total Application Cost: \$0.0  
 Total Cost: \$0.0



# Soil Test Report - Tract 11



Soil Fertility

## Fertilizer Application Summary

Grower: Schrader Real Estate & Auction  
 Farm: Vermilion County  
 Field(s): Tract 11

Commodity: Corn-Soybeans  
 Labs: Agricultural Soil Management

Selected Parameters					
Product	Rec %	Max Rate	Min Rate	+/-	Switch Rate
TSP 0-45-0	100	300.0 lbs/ac	270.0 lbs/ac	0.00	220.0 lbs/ac

Product	Wt App	Wt App Bulk	Applied Area	Product Cost	Est. Cost	Est. Cost/Area
TSP 0-45-0	5933.61 (lbs)	2.97 ton	20.71	\$0.0/ton	\$0.0	\$0.0/ac
Application				\$0.0 /ac	\$0.0	\$0.0/ac
Totals					\$0.00	\$0.0/ac

Field Summary					
Field	PLS ID	FSA ID	County	Area	Centroid
Tract 11	27 23N 11W	--	Vermilion	61.52 ac	40.426176, -87.585900

# Soil Test Report - Tract 11



Elemental Field Sample Report

**Grower:** Schrader Real Estate & Auction

**Farm:** Vermilion County

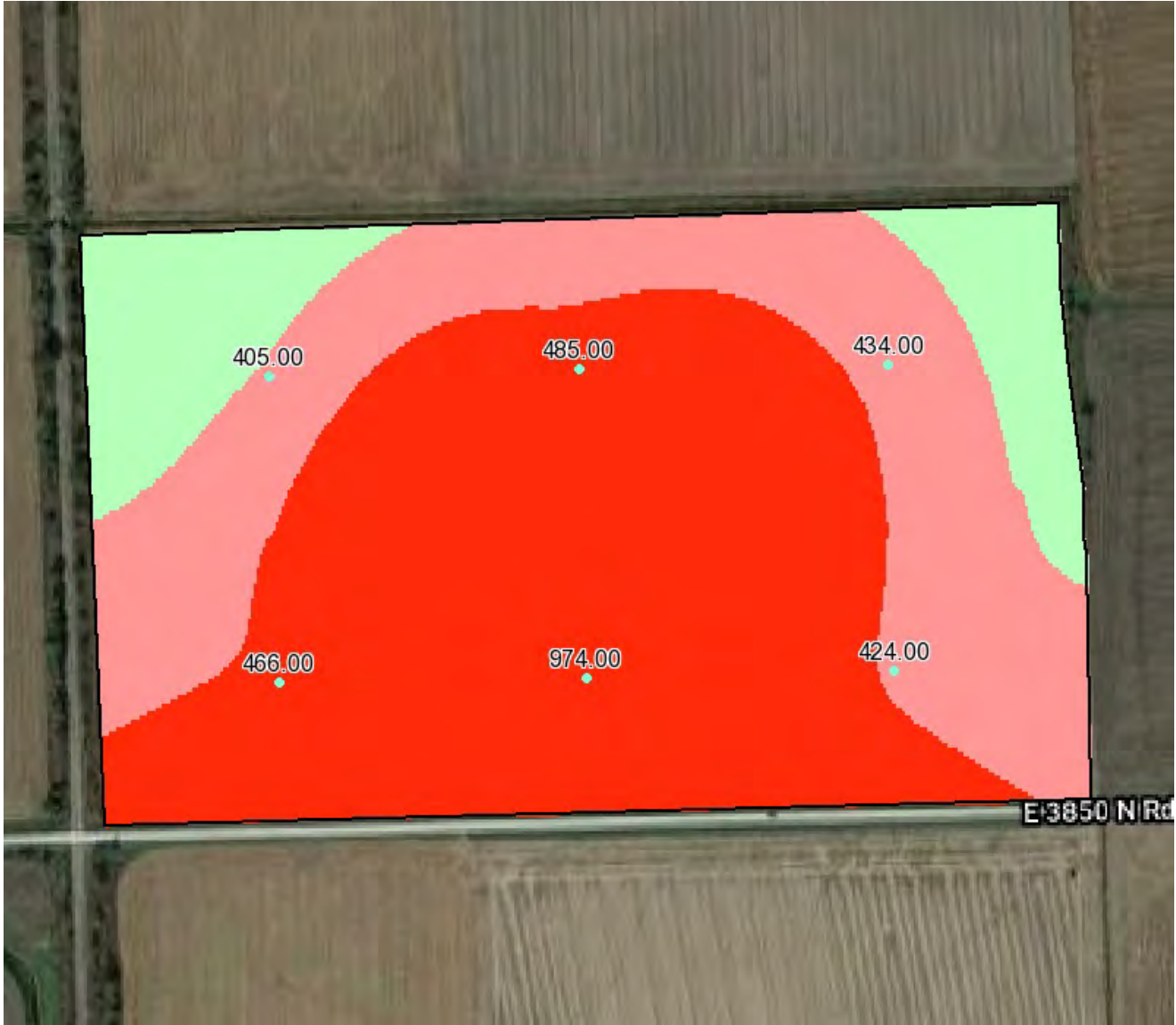
**Field:** Tract 11

**Zone:** Not Specified

**Area:** 61.5

**Sample Date:** 2020-02-20

Potassium (K) lbs/ac



Min: 405.34 Max: 973.58 Avg: 531.38

Potassium (K) Range	Soil Levels	Area (ac)	Percent Acres
0-200	Very Low	0.0	0.0
200-300	Low	0.6	0.0
300-400	Optimal	8.62	13.87
400-450	High	19.14	31.11
450-1200	Very High	33.85	55.02

Potassium (K) is one of the essential nutrients and is taken up in significant amounts by crops. Potassium is vital to photosynthesis, protein synthesis and many other functions in plants. It is classified as a macro-nutrient, as are nitrogen (N) and phosphorus (P). Plants take up K in its ionic form (K+).

# Soil Test Report - Tract 11

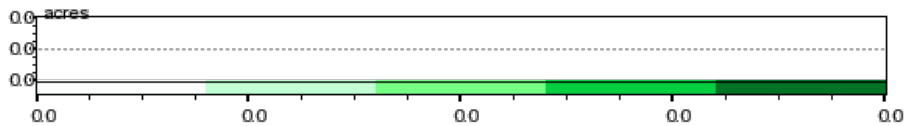
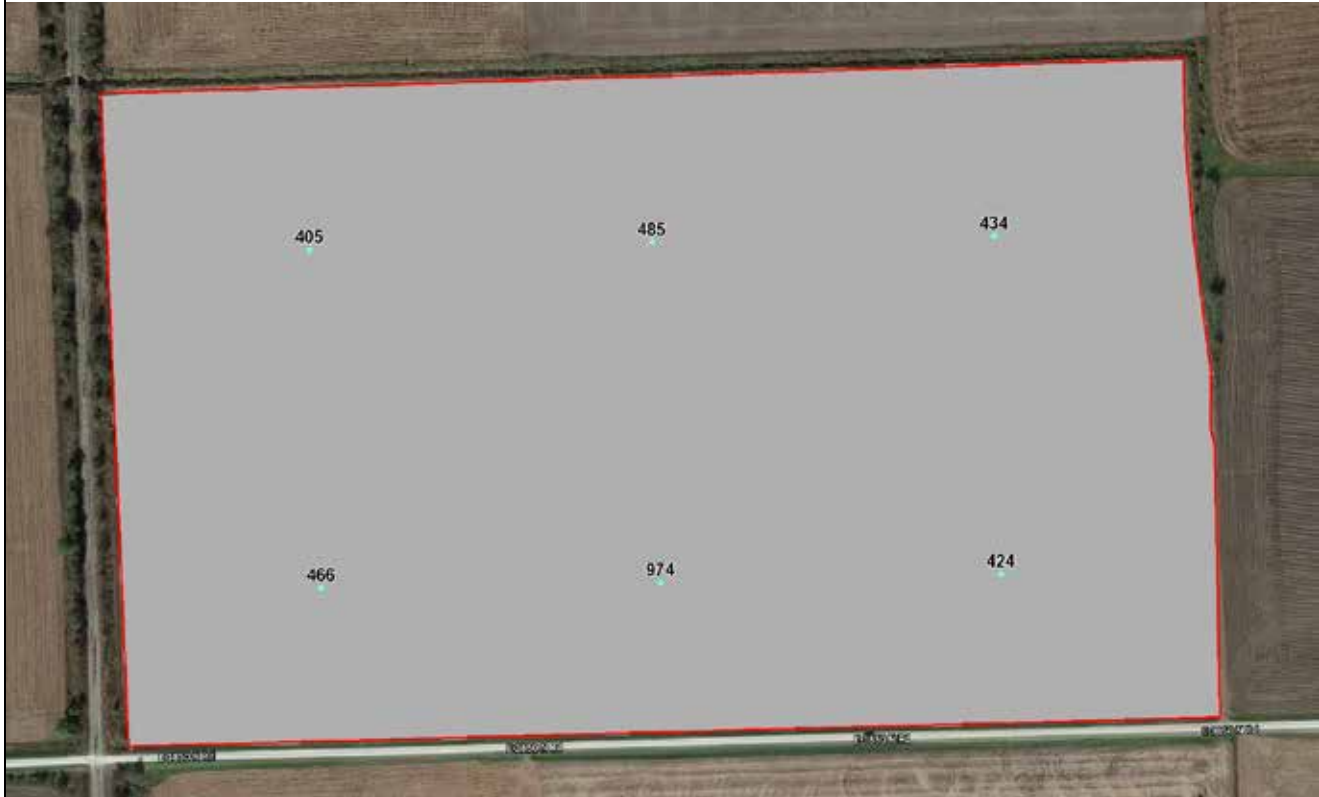


Soil Fertility

Grower: Schrader Real Estate & Auction Farm: Vermilion County

Field(s): Tract 11

Potash 0-0-60 - Fertilizer Application (lbs/ac)



Lab: Agricultural Soil Management    Custom Eq: K 01 w/ YIELD    Commodity: Corn-Soybeans    Sample Date: 2020-02-20

**Constraints:**

Corn Yield: 210 bu/ac    Bean Yield: 70 bu/ac

Max Rate: 300.0 lbs/ac    Multiplier: N/A

Min Rate: 210.0 lbs/ac    Subtract: N/A

Switch Rate: 160.0 lbs/ac

Minimum Application Rate: 0.0 lbs/ac

Total Product: 0.0 lbs

Maximum Application Rate: 0.0 lbs/ac

Total Product Bulk: 0.00 ton

Average Application Rate: 0.0 lbs/ac

Product Cost / Bulk: \$0.0/ton

Application Area: 0.0 ac

Total Product Price: \$0.0

Average Field Rate: 0.00 lbs/ac

Application Cost / Area: \$0.0/ac

Total Area: 61.63 ac

Total Application Cost: \$0.0

Total Cost: \$0.0

# Soil Test Report - Tract 11



Soil Fertility

## Fertilizer Application Summary

Grower: Schrader Real Estate & Auction  
 Farm: Vermilion County  
 Field(s): Tract 11

Commodity: Corn-Soybeans  
 Labs: Agricultural Soil Management

Selected Parameters					
Product	Rec %	Max Rate	Min Rate	+/-	Switch Rate
Potash 0-0-60	100	300.0 lbs/ac	210.0 lbs/ac	0.00	160.0 lbs/ac

Product	Wt App	Wt App Bulk	Applied Area	Product Cost	Est. Cost	Est. Cost/Area
Potash 0-0-60	0.00 (lbs)	0.00 ton	0.00	\$0.0/ton	\$0.0	\$0.0/ac
Application				\$0.0 /ac	\$0.0	\$0.0/ac
Totals					\$0.00	\$0.0/ac

Field Summary					
Field	PLS ID	FSA ID	County	Area	Centroid
Tract 11	27 23N 11W	--	Vermilion	61.52 ac	40.426176, -87.585900



# Soil Test Report - Tract 12

## Schrader Real Estate & Auction Soil Test Report 2020



**Vermilion County**  
**Tract 12**  
23.3A sec27 GRANT

# Soil Test Report - Tract 12



Quick Map

Grower: Schrader Real Estate & Auction

Farm: Vermilion County

Field: Tract 12



Label	Area
White	23.3

Notes:

# Soil Test Report - Tract 12



Field Sample Summary

Location	Grower	Farm	Field	Area	Centroid
ASM	Schrader Real Estate & Auction	Vermilion County	Tract 12	23.3 acres	40.429681, -87.588388



		Min	Max	Avg
P	37.6	41.9	39.7	
K	229.89	364.70	297.30	
pH	6.9	7.0	7.0	
OM	2.5	3.0	2.8	

Sample Date: 2020-02-20  
Soil Lab: Agricultural Soil Management

ID	P lbs/ac	K lbs/ac	pH	OM %
1	37.6	364.70	6.9	2.5
2	41.9	229.89	7.0	3.0

# Soil Test Report - Tract 12

**Grower:** Schrader Real Estate & Auction

**Farm:** Vermilion County

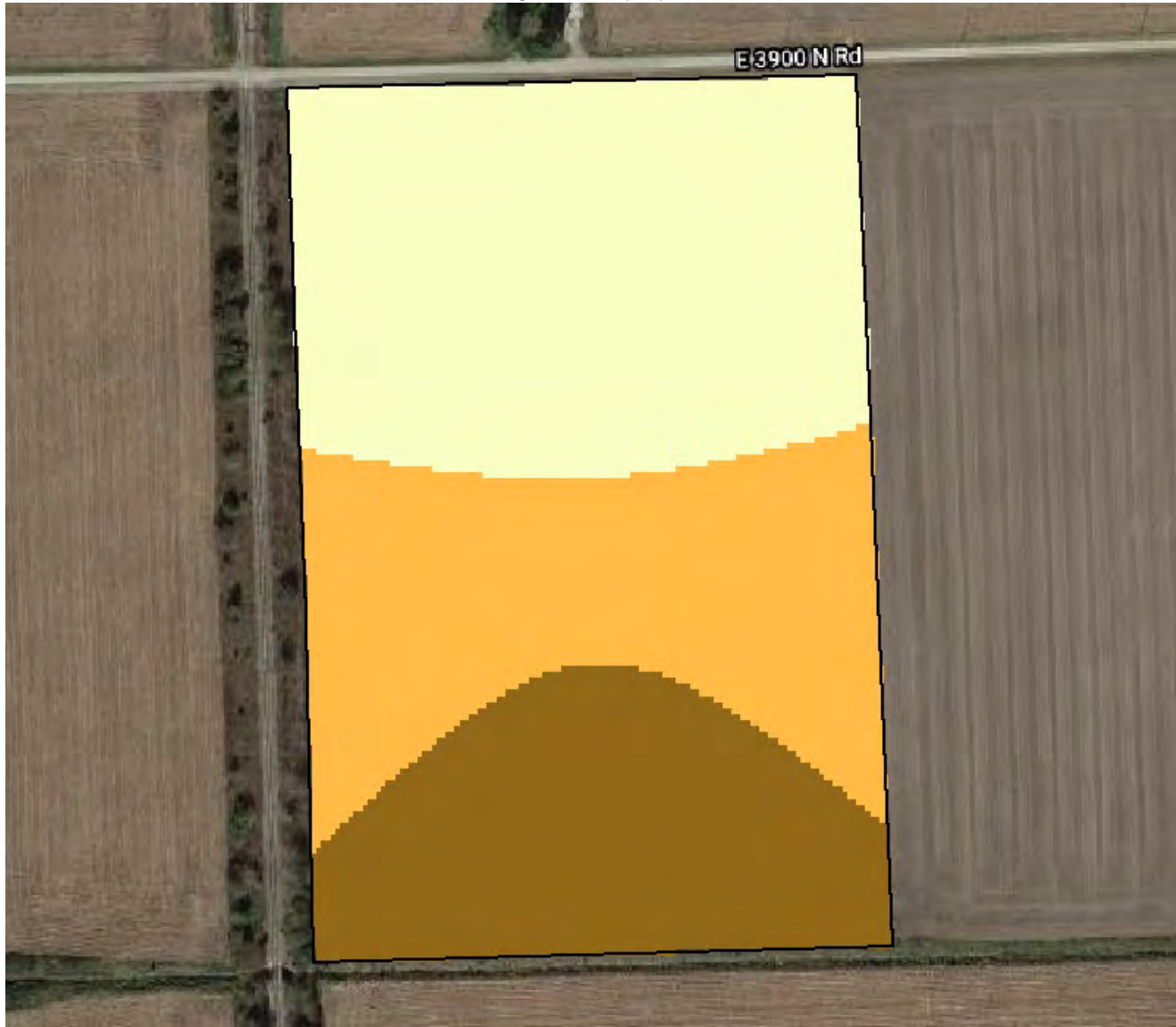
**Field:** Tract 12

**Zone:** Not Specified

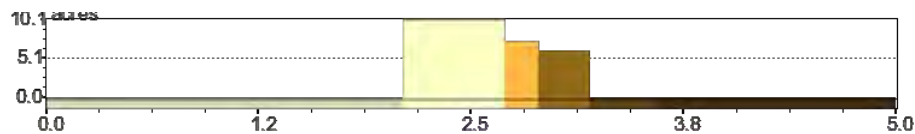
**Area:** 23.3

**Sample Date:** 2020-02-20

Organic Matter (OM) %



Min: 2.5 Max: 3.0 Avg: 2.8





# Soil Test Report - Tract 12



Elemental Field Sample Report

**Grower:** Schrader Real Estate & Auction

**Farm:** Vermilion County

**Field:** Tract 12

**Zone:** Not Specified

**Area:** 23.3

**Sample Date:** 2020-02-20

(pH)



Min: 6.9 Max: 7.0 Avg: 7.0

(pH)	Soil Levels	Area (ac)	Percent Acres
4.5-5.0	Very Low	0.0	0.0
5.0-6.0	Low	0.0	0.0
6.0-6.2	Optimal	0.0	0.0
6.2-6.5	High	0.0	0.0
6.5-6	Very High	23.3	100.00



# Soil Test Report - Tract 12

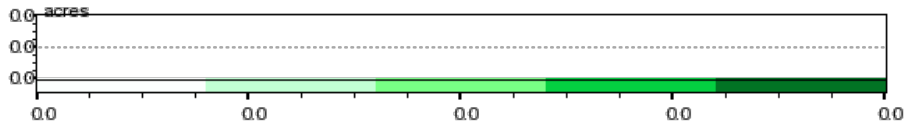


Soil Fertility

Grower: Schrader Real Estate & Auction Farm: Vermilion County

Field(s): Tract 12

### Lime - Fertilizer Application (lbs/ac)



Lab: Agricultural Soil Management    Custom Eq: L 5    Commodity: Corn-Soybeans    Sample Date: 2020-02-20

**Constraints:**

Target pH: 6.5

Max Rate: 6000.0 lbs/ac    Multiplier: N/A

Min Rate: 1000.0 lbs/ac    Subtract: N/A

Switch Rate: 500.0 lbs/ac

Minimum Application Rate: 0.0 lbs/ac  
 Maximum Application Rate: 0.0 lbs/ac  
 Average Application Rate: 0.0 lbs/ac  
 Application Area: 0.0 ac  
 Average Field Rate: 0.00 lbs/ac  
 Total Area: 23.36 ac

Total Product: 0.0 lbs  
 Total Product Bulk: 0.00 ton  
 Product Cost / Bulk: \$0.0/ton  
 Total Product Price: \$0.0  
 Application Cost / Area: \$0.0/ac  
 Total Application Cost: \$0.0  
 Total Cost: \$0.0

# Soil Test Report - Tract 12



Soil Fertility

## Fertilizer Application Summary

Grower: Schrader Real Estate & Auction  
 Farm: Vermilion County  
 Field(s): Tract 12

Commodity: Corn-Soybeans  
 Labs: Agricultural Soil Management

Selected Parameters					
Product	Rec %	Max Rate	Min Rate	+/-	Switch Rate
Lime	100	6000.0 lbs/ac	1000.0 lbs/ac	0.00	500.0 lbs/ac

Product	Wt App	Wt App Bulk	Applied Area	Product Cost	Est. Cost	Est. Cost/Area
Lime	0.00 (lbs)	0.00 ton	0.00	\$0.0/ton	\$0.0	\$0.0/ac
Application				\$0.0 /ac	\$0.0	\$0.0/ac
Totals					\$0.00	\$0.0/ac

Field Summary					
Field	PLS ID	FSA ID	County	Area	Centroid
Tract 12	27 23N 11W	--	Vermilion	23.30 ac	40.429681, -87.588388

# Soil Test Report - Tract 12



Elemental Field Sample Report

**Grower:** Schrader Real Estate & Auction

**Farm:** Vermilion County

**Field:** Tract 12

**Zone:** Not Specified

**Area:** 23.3

**Sample Date:** 2020-02-20

Phosphorous (P) lbs/ac



Min: 37.6 Max: 41.9 Avg: 39.7

Phosphorous (P) Range	Soil Levels	Area (ac)	Percent Acres
0-25	Very Low	0.0	0.0
25-35	Low	0.6	0.0
35-60	Optimal	22.7	100.02
60-80	High	0.0	0.0
80-200	Very High	0.0	0.0

Phosphorus (P) One of three primary nutrients, phosphorus is essential for plant growth, and a plant must access it to complete its normal production cycle. Plants absorb P from the soil as primary and secondary ortho-phosphates (H<sub>2</sub>PO<sub>4</sub><sup>-</sup> and HPO<sub>4</sub><sup>2-</sup>).

# Soil Test Report - Tract 12

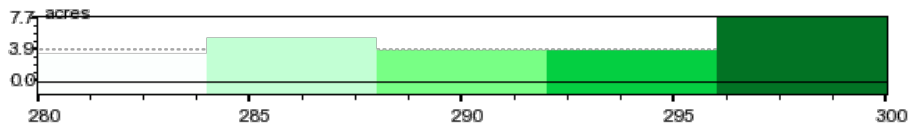


Soil Fertility

Grower: Schrader Real Estate & Auction Farm: Vermilion County

Field(s): Tract 12

### TSP 0-45-0 - Fertilizer Application (lbs/ac)



Lab: Agricultural Soil Management    Custom Eq: P 4 w/ YIELD    Commodity: Corn-Soybeans    Sample Date: 2020-02-20

**Constraints:**

Corn Yield: 210 bu/ac    Bean Yield: 70 bu/ac

Max Rate: 300.0 lbs/ac    Multiplier: N/A

Min Rate: 270.0 lbs/ac    Subtract: N/A

Switch Rate: 220.0 lbs/ac

Minimum Application Rate:	280.1 lbs/ac	Total Product:	6812.35 lbs
Maximum Application Rate:	300.0 lbs/ac	Total Product Bulk:	3.41 ton
Average Application Rate:	291.63 lbs/ac	Product Cost / Bulk:	\$0.0/ton
Application Area:	23.36 ac	Total Product Price:	\$0.0
Average Field Rate:	291.63 lbs/ac	Application Cost / Area:	\$0.0/ac
Total Area:	23.36 ac	Total Application Cost:	\$0.0
		Total Cost:	\$0.0

# Soil Test Report - Tract 12



Soil Fertility

## Fertilizer Application Summary

Grower: Schrader Real Estate & Auction  
 Farm: Vermilion County  
 Field(s): Tract 12

Commodity: Corn-Soybeans  
 Labs: Agricultural Soil Management

Selected Parameters					
Product	Rec %	Max Rate	Min Rate	+/-	Switch Rate
TSP 0-45-0	100	300.0 lbs/ac	270.0 lbs/ac	0.00	220.0 lbs/ac

Product	Wt App	Wt App Bulk	Applied Area	Product Cost	Est. Cost	Est. Cost/Area
TSP 0-45-0	6812.35 (lbs)	3.41 ton	23.36	\$0.0/ton	\$0.0	\$0.0/ac
Application				\$0.0 /ac	\$0.0	\$0.0/ac
Totals					\$0.00	\$0.0/ac

Field Summary					
Field	PLS ID	FSA ID	County	Area	Centroid
Tract 12	27 23N 11W	--	Vermilion	23.30 ac	40.429681, -87.588388



# Soil Test Report - Tract 12



Elemental Field Sample Report

**Grower:** Schrader Real Estate & Auction

**Farm:** Vermilion County

**Field:** Tract 12

**Zone:** Not Specified

**Area:** 23.3

**Sample Date:** 2020-02-20

Potassium (K) lbs/ac



Min: 229.89 Max: 364.70 Avg: 297.30

Potassium (K) Range	Soil Levels	Area (ac)	Percent Acres
0-200	Very Low	0.0	0.0
200-300	Low	11.91	50.89
300-400	Optimal	11.49	49.22
400-450	High	0.0	0.0
450-1200	Very High	0.0	0.0

Potassium (K) is one of the essential nutrients and is taken up in significant amounts by crops. Potassium is vital to photosynthesis, protein synthesis and many other functions in plants. It is classified as a macro-nutrient, as are nitrogen (N) and phosphorus (P). Plants take up K in its ionic form (K+).

# Soil Test Report - Tract 12

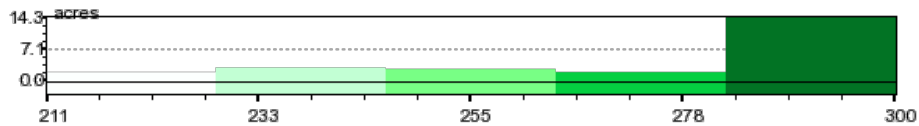


Soil Fertility

Grower: Schrader Real Estate & Auction Farm: Vermilion County

Field(s): Tract 12

Potash 0-0-60 - Fertilizer Application (lbs/ac)



Lab: Agricultural Soil Management    Custom Eq: K 01 w/ YIELD    Commodity: Corn-Soybeans    Sample Date: 2020-02-20

**Constraints:**

Corn Yield: 210 bu/ac    Bean Yield: 70 bu/ac

Max Rate: 300.0 lbs/ac    Multiplier: N/A

Min Rate: 210.0 lbs/ac    Subtract: N/A

Switch Rate: 160.0 lbs/ac

Minimum Application Rate: 210.5 lbs/ac  
 Maximum Application Rate: 300.0 lbs/ac  
 Average Application Rate: 278.27 lbs/ac  
 Application Area: 23.36 ac  
 Average Field Rate: 278.27 lbs/ac  
 Total Area: 23.36 ac

Total Product: 6500.17 lbs  
 Total Product Bulk: 3.25 ton  
 Product Cost / Bulk: \$0.0/ton  
 Total Product Price: \$0.0  
 Application Cost / Area: \$0.0/ac  
 Total Application Cost: \$0.0  
 Total Cost: \$0.0

# Soil Test Report - Tract 12



Soil Fertility

## Fertilizer Application Summary

Grower: Schrader Real Estate & Auction  
 Farm: Vermilion County  
 Field(s): Tract 12

Commodity: Corn-Soybeans  
 Labs: Agricultural Soil Management

Selected Parameters					
Product	Rec %	Max Rate	Min Rate	+/-	Switch Rate
Potash 0-0-60	100	300.0 lbs/ac	210.0 lbs/ac	0.00	160.0 lbs/ac

Product	Wt App	Wt App Bulk	Applied Area	Product Cost	Est. Cost	Est. Cost/Area
Potash 0-0-60	6500.17 (lbs)	3.25 ton	23.36	\$0.0/ton	\$0.0	\$0.0/ac
Application				\$0.0 /ac	\$0.0	\$0.0/ac
Totals					\$0.00	\$0.0/ac

Field Summary					
Field	PLS ID	FSA ID	County	Area	Centroid
Tract 12	27 23N 11W	--	Vermilion	23.30 ac	40.429681, -87.588388

# Soil Test Report - Tract 13

## Schrader Real Estate & Auction Soil Test Report 2020



**Vermilion County**  
**Tract 13**  
23.1A sec27 GRANT

# Soil Test Report - Tract 13



Quick Map

Grower: Schrader Real Estate & Auction

Farm: Vermilion County

Field: Tract 13



Label	Area
White	23.1

Notes:



# Soil Test Report - Tract 13



Field Sample Summary

Location	Grower	Farm	Field	Area	Centroid
ASM	Schrader Real Estate & Auction	Vermilion County	Tract 13	23.1 acres	40.428049, -87.590939



		Min	Max	Avg
P	51.1	154.5	82.7	
K	241.33	393.99	314.64	
pH	5.9	6.7	6.3	
OM	3.0	3.5	3.1	

Sample Date 2020-02-20  
Soil Lab Agricultural Soil Management

ID	P lbs/ac	K lbs/ac	pH	OM %
1	53.1	241.33	6.2	3.5
2	154.5	393.99	5.9	3.0
3	51.1	258.65	6.6	3.0
4	72.2	364.58	6.7	3.0

# Soil Test Report - Tract 13



Elemental Field Sample Report

**Grower:** Schrader Real Estate & Auction

**Farm:** Vermilion County

**Field:** Tract 13

**Zone:** Not Specified

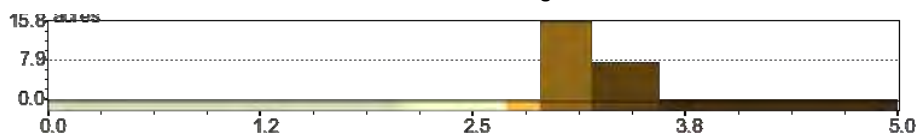
**Area:** 23.1

**Sample Date:** 2020-02-20

Organic Matter (OM) %



Min: 3.0 Max: 3.5 Avg: 3.1



# Soil Test Report - Tract 13



Elemental Field Sample Report

**Grower:** Schrader Real Estate & Auction

**Farm:** Vermilion County

**Field:** Tract 13

**Zone:** Not Specified

**Area:** 23.1

**Sample Date:** 2020-02-20

(pH)



Min: 5.9 Max: 6.7 Avg: 6.3

(pH)	Soil Levels	Area (ac)	Percent Acres
4.5-5.0	Very Low	0.0	0.0
5.0-6.0	Low	4.5	19.48
6.0-6.2	Optimal	7.82	33.85
6.2-6.5	High	0.0	0.0
6.5-6	Very High	10.79	46.7

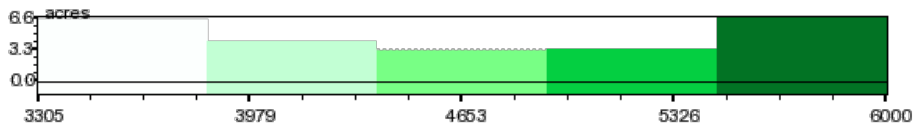
# Soil Test Report - Tract 13



Soil Fertility

Grower: Schrader Real Estate & Auction Farm: Vermilion County

Field(s): Tract 13



Lab: Agricultural Soil Management      Custom Eq: L 5      Commodity: Corn-Soybeans      Sample Date: 2020-02-20

**Constraints:**

Target pH: 6.5

Max Rate: 6000.0 lbs/ac    Multiplier: N/A  
 Min Rate: 1000.0 lbs/ac    Subtract: N/A  
 Switch Rate: 500.0 lbs/ac

Minimum Application Rate:	3305.2 lbs/ac	Total Product:	57426.43 lbs
Maximum Application Rate:	6000.0 lbs/ac	Total Product Bulk:	28.71 ton
Average Application Rate:	4670.9 lbs/ac	Product Cost / Bulk:	\$0.0/ton
Application Area:	12.29 ac	Total Product Price:	\$0.0
Average Field Rate:	2490.23 lbs/ac	Application Cost / Area:	\$0.0/ac
Total Area:	23.06 ac	Total Application Cost:	\$0.0
		Total Cost:	\$0.0



# Soil Test Report - Tract 13



Soil Fertility

## Fertilizer Application Summary

Grower: Schrader Real Estate & Auction  
 Farm: Vermilion County  
 Field(s): Tract 13

Commodity: Corn-Soybeans  
 Labs: Agricultural Soil Management

Selected Parameters					
Product	Rec %	Max Rate	Min Rate	+/-	Switch Rate
Lime	100	6000.0 lbs/ac	1000.0 lbs/ac	0.00	500.0 lbs/ac

Product	Wt App	Wt App Bulk	Applied Area	Product Cost	Est. Cost	Est. Cost/Area
Lime	57426.43 (lbs)	28.71 ton	12.29	\$0.0/ton	\$0.0	\$0.0/ac
Application				\$0.0 /ac	\$0.0	\$0.0/ac
Totals					\$0.00	\$0.0/ac

Field Summary					
Field	PLS ID	FSA ID	County	Area	Centroid
Tract 13	27 23N 11W	--	Vermilion	23.10 ac	40.428049, -87.590939



# Soil Test Report - Tract 13



Elemental Field Sample Report

**Grower:** Schrader Real Estate & Auction

**Farm:** Vermilion County

**Field:** Tract 13

**Zone:** Not Specified

**Area:** 23.1

**Sample Date:** 2020-02-20

Phosphorous (P) lbs/ac



Min: 51.1 Max: 154.5 Avg: 82.7

Phosphorous (P) Range	Soil Levels	Area (ac)	Percent Acres
0-25	Very Low	0.0	0.0
25-35	Low	0.6	0.0
35-60	Optimal	0.0	0.0
60-80	High	8.15	35.28
80-200	Very High	14.95	64.71

Phosphorus (P) One of three primary nutrients, phosphorus is essential for plant growth, and a plant must access it to complete its normal production cycle. Plants absorb P from the soil as primary and secondary ortho-phosphates (H<sub>2</sub>PO<sub>4</sub><sup>-</sup> and HPO<sub>4</sub><sup>2-</sup>).

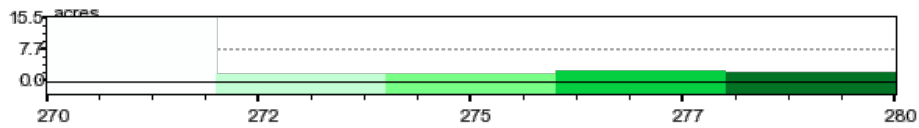
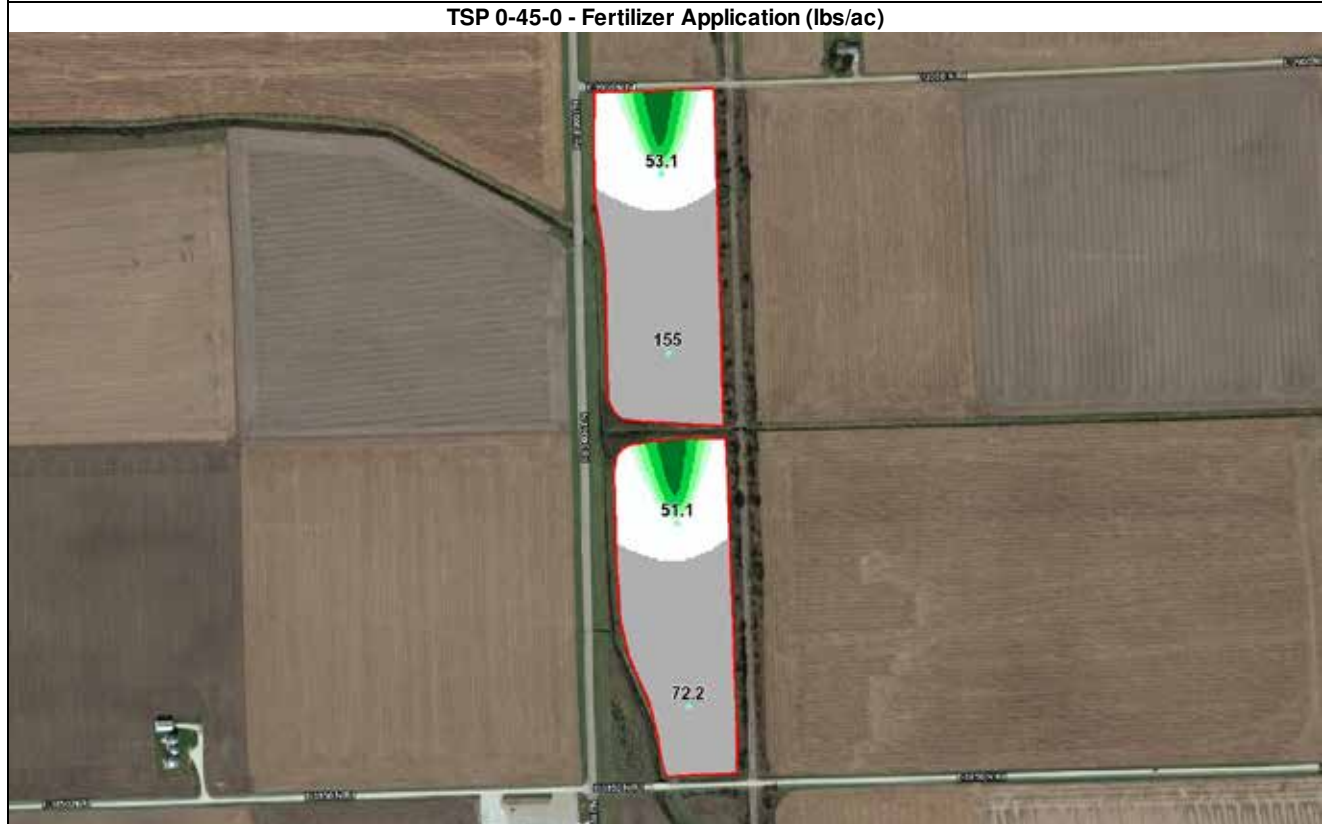
# Soil Test Report - Tract 13



Soil Fertility

Grower: Schrader Real Estate & Auction Farm: Vermilion County

Field(s): Tract 13



Lab: Agricultural Soil Management    Custom Eq: P 4 w/ YIELD    Commodity: Corn-Soybeans    Sample Date: 2020-02-20

**Constraints:**

Corn Yield: 210 bu/ac    Bean Yield: 70 bu/ac

Max Rate: 300.0 lbs/ac    Multiplier: N/A

Min Rate: 270.0 lbs/ac    Subtract: N/A

Switch Rate: 220.0 lbs/ac

Minimum Application Rate: 270.0 lbs/ac  
 Maximum Application Rate: 279.5 lbs/ac  
 Average Application Rate: 272.02 lbs/ac  
 Application Area: 8.27 ac  
 Average Field Rate: 97.53 lbs/ac  
 Total Area: 23.06 ac

Total Product: 2249.0 lbs  
 Total Product Bulk: 1.12 ton  
 Product Cost / Bulk: \$0.0/ton  
 Total Product Price: \$0.0  
 Application Cost / Area: \$0.0/ac  
 Total Application Cost: \$0.0  
 Total Cost: \$0.0

# Soil Test Report - Tract 13



Soil Fertility

## Fertilizer Application Summary

Grower: Schrader Real Estate & Auction  
Farm: Vermilion County  
Field(s): Tract 13

Commodity: Corn-Soybeans  
Labs: Agricultural Soil Management

Selected Parameters					
Product	Rec %	Max Rate	Min Rate	+/-	Switch Rate
TSP 0-45-0	100	300.0 lbs/ac	270.0 lbs/ac	0.00	220.0 lbs/ac

Product	Wt App	Wt App Bulk	Applied Area	Product Cost	Est. Cost	Est. Cost/Area
TSP 0-45-0	2249.00 (lbs)	1.12 ton	8.27	\$0.0/ton	\$0.0	\$0.0/ac
Application				\$0.0 /ac	\$0.0	\$0.0/ac
Totals					\$0.00	\$0.0/ac

Field Summary					
Field	PLS ID	FSA ID	County	Area	Centroid
Tract 13	27 23N 11W	--	Vermilion	23.10 ac	40.428049, -87.590939

# Soil Test Report - Tract 13



Elemental Field Sample Report

**Grower:** Schrader Real Estate & Auction

**Farm:** Vermilion County

**Field:** Tract 13

**Zone:** Not Specified

**Area:** 23.1

**Sample Date:** 2020-02-20

Potassium (K) lbs/ac



Min: 241.33 Max: 393.99 Avg: 314.64

Potassium (K) Range	Soil Levels	Area (ac)	Percent Acres
0-200	Very Low	0.0	0.0
200-300	Low	11.17	48.35
300-400	Optimal	11.92	51.64
400-450	High	0.0	0.0
450-1200	Very High	0.0	0.0

Potassium (K) is one of the essential nutrients and is taken up in significant amounts by crops. Potassium is vital to photosynthesis, protein synthesis and many other functions in plants. It is classified as a macro-nutrient, as are nitrogen (N) and phosphorus (P). Plants take up K in its ionic form (K+).



# Soil Test Report - Tract 13

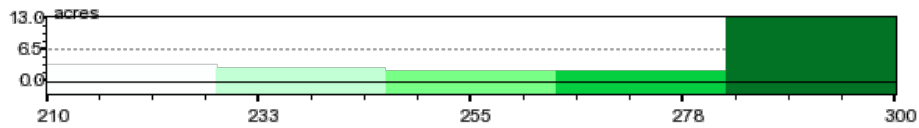


Soil Fertility

Grower: Schrader Real Estate & Auction Farm: Vermilion County

Field(s): Tract 13

Potash 0-0-60 - Fertilizer Application (lbs/ac)



Lab: Agricultural Soil Management    Custom Eq: K 01 w/ YIELD    Commodity: Corn-Soybeans    Sample Date: 2020-02-20

**Constraints:**

Corn Yield: 210 bu/ac    Bean Yield: 70 bu/ac

Max Rate: 300.0 lbs/ac    Multiplier: N/A

Min Rate: 210.0 lbs/ac    Subtract: N/A

Switch Rate: 160.0 lbs/ac

Minimum Application Rate: 210.3 lbs/ac  
 Maximum Application Rate: 300.0 lbs/ac  
 Average Application Rate: 273.5 lbs/ac  
 Application Area: 23.06 ac  
 Average Field Rate: 273.50 lbs/ac  
 Total Area: 23.06 ac

Total Product: 6307.04 lbs  
 Total Product Bulk: 3.15 ton  
 Product Cost / Bulk: \$0.0/ton  
 Total Product Price: \$0.0  
 Application Cost / Area: \$0.0/ac  
 Total Application Cost: \$0.0  
 Total Cost: \$0.0



# Soil Test Report - Tract 13



Soil Fertility

## Fertilizer Application Summary

Grower: Schrader Real Estate & Auction  
 Farm: Vermilion County  
 Field(s): Tract 13

Commodity: Corn-Soybeans  
 Labs: Agricultural Soil Management

Selected Parameters					
Product	Rec %	Max Rate	Min Rate	+/-	Switch Rate
Potash 0-0-60	100	300.0 lbs/ac	210.0 lbs/ac	0.00	160.0 lbs/ac

Product	Wt App	Wt App Bulk	Applied Area	Product Cost	Est. Cost	Est. Cost/Area
Potash 0-0-60	6307.04 (lbs)	3.15 ton	23.06	\$0.0/ton	\$0.0	\$0.0/ac
Application				\$0.0 /ac	\$0.0	\$0.0/ac
Totals					\$0.00	\$0.0/ac

Field Summary					
Field	PLS ID	FSA ID	County	Area	Centroid
Tract 13	27 23N 11W	--	Vermilion	23.10 ac	40.428049, -87.590939

# Soil Test Report - Tract 14

## Schrader Real Estate & Auction Soil Test Report 2020



**Vermilion County**  
**Tract 14**  
13.1A sec22 GRANT

# Soil Test Report - Tract 14



Quick Map

Grower: Schrader Real Estate & Auction

Farm: Vermilion County

Field: Tract 14



Label	Area
White	13.12

Notes:

# Soil Test Report - Tract 14



Field Sample Summary

Location	Grower	Farm	Field	Area	Centroid
ASM	Schrader Real Estate & Auction	Vermilion County	Tract 14	13.12 acres	40.433246, -87.591254



		Min	Max	Avg
P	14.5	18.5	16.5	
K	325.46	420.30	372.88	
pH	6.9	7.2	7.1	
OM	3.0	3.5	3.2	

Sample Date: 2020-02-20  
 Soil Lab: Agricultural Soil Management

ID	P lbs/ac	K lbs/ac	pH	OM %
1	18.5	420.30	6.9	3.5
2	14.5	325.46	7.2	3.0

# Soil Test Report - Tract 14



Elemental Field Sample Report

**Grower:** Schrader Real Estate & Auction

**Farm:** Vermilion County

**Field:** Tract 14

**Zone:** Not Specified

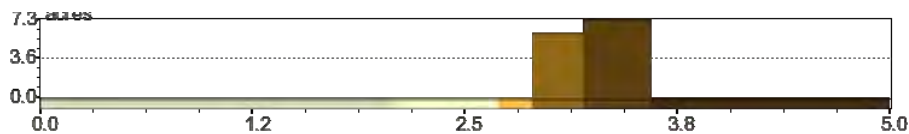
**Area:** 13.1

**Sample Date:** 2020-02-20

Organic Matter (OM) %



Min: 3.0 Max: 3.5 Avg: 3.2





# Soil Test Report - Tract 14



Elemental Field Sample Report

**Grower:** Schrader Real Estate & Auction

**Farm:** Vermilion County

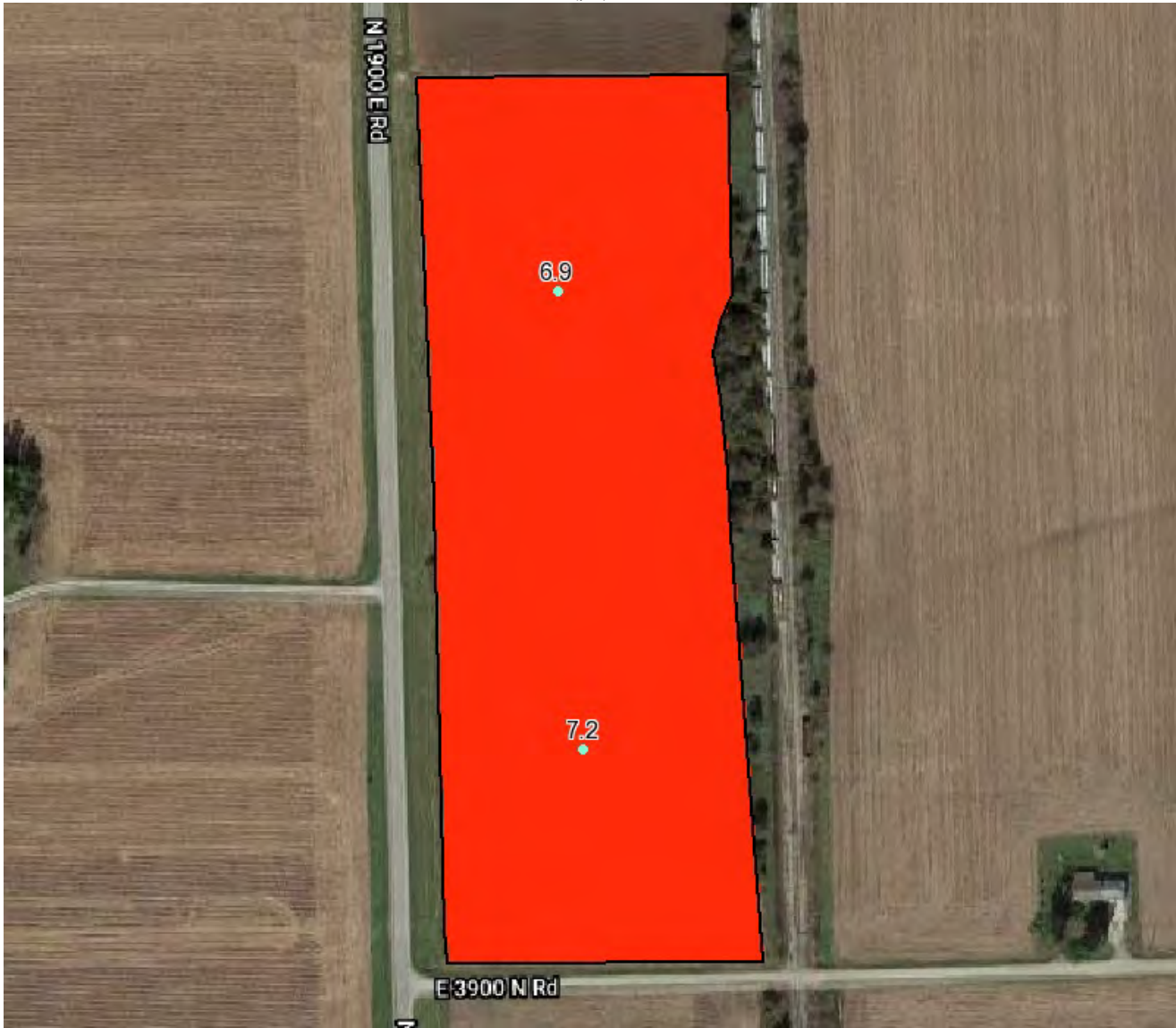
**Field:** Tract 14

**Zone:** Not Specified

**Area:** 13.1

**Sample Date:** 2020-02-20

(pH)



Min: 6.9 Max: 7.2 Avg: 7.1

(pH)	Soil Levels	Area (ac)	Percent Acres
4.5-5.0	Very Low	0.0	0.0
5.0-6.0	Low	0.0	0.0
6.0-6.2	Optimal	0.0	0.0
6.2-6.5	High	0.0	0.0
6.5-6	Very High	13.12	100.01

# Soil Test Report - Tract 14

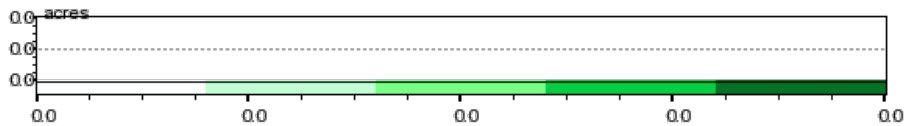


Soil Fertility

Grower: Schrader Real Estate & Auction Farm: Vermilion County

Field(s): Tract 14

### Lime - Fertilizer Application (lbs/ac)



Lab: Agricultural Soil Management    Custom Eq: L 5    Commodity: Corn-Soybeans    Sample Date: 2020-02-20

**Constraints:**

Target pH: 6.5

Max Rate: 6000.0 lbs/ac    Multiplier: N/A

Min Rate: 1000.0 lbs/ac    Subtract: N/A

Switch Rate: 500.0 lbs/ac

Minimum Application Rate: 0.0 lbs/ac  
 Maximum Application Rate: 0.0 lbs/ac  
 Average Application Rate: 0.0 lbs/ac  
 Application Area: 0.0 ac  
 Average Field Rate: 0.00 lbs/ac  
 Total Area: 13.11 ac

Total Product: 0.0 lbs  
 Total Product Bulk: 0.00 ton  
 Product Cost / Bulk: \$0.0/ton  
 Total Product Price: \$0.0  
 Application Cost / Area: \$0.0/ac  
 Total Application Cost: \$0.0  
 Total Cost: \$0.0

# Soil Test Report - Tract 14



Soil Fertility

## Fertilizer Application Summary

Grower: Schrader Real Estate & Auction  
 Farm: Vermilion County  
 Field(s): Tract 14

Commodity: Corn-Soybeans  
 Labs: Agricultural Soil Management

Selected Parameters					
Product	Rec %	Max Rate	Min Rate	+/-	Switch Rate
Lime	100	6000.0 lbs/ac	1000.0 lbs/ac	0.00	500.0 lbs/ac

Product	Wt App	Wt App Bulk	Applied Area	Product Cost	Est. Cost	Est. Cost/Area
Lime	0.00 (lbs)	0.00 ton	0.00	\$0.0/ton	\$0.0	\$0.0/ac
Application				\$0.0 /ac	\$0.0	\$0.0/ac
Totals					\$0.00	\$0.0/ac

Field Summary					
Field	PLS ID	FSA ID	County	Area	Centroid
Tract 14	22 23N 11W	--	Vermilion	13.12 ac	40.433246, -87.591254

# Soil Test Report - Tract 14



Elemental Field Sample Report

**Grower:** Schrader Real Estate & Auction

**Farm:** Vermilion County

**Field:** Tract 14

**Zone:** Not Specified

**Area:** 13.1

**Sample Date:** 2020-02-20

Phosphorous (P) lbs/ac



Min: 14.5 Max: 18.5 Avg: 16.5

Phosphorous (P) Range	Soil Levels	Area (ac)	Percent Acres
0-25	Very Low	13.12	100.01
25-35	Low	0.0	0.0
35-60	Optimal	0.0	0.0
60-80	High	0.0	0.0
80-200	Very High	0.0	0.0

Phosphorus (P) One of three primary nutrients, phosphorus is essential for plant growth, and a plant must access it to complete its normal production cycle. Plants absorb P from the soil as primary and secondary ortho-phosphates (H<sub>2</sub>PO<sub>4</sub>- and HPO<sub>4</sub><sup>2-</sup>).



# Soil Test Report - Tract 14

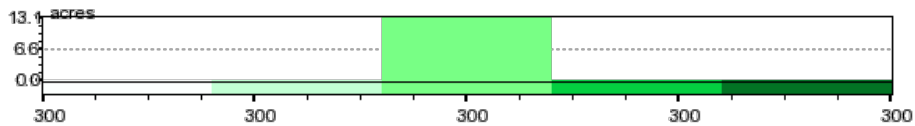


Soil Fertility

Grower: Schrader Real Estate & Auction Farm: Vermilion County

Field(s): Tract 14

TSP 0-45-0 - Fertilizer Application (lbs/ac)



Lab: Agricultural Soil Management    Custom Eq: P 4 w/ YIELD    Commodity: Corn-Soybeans    Sample Date: 2020-02-20

**Constraints:**

Corn Yield: 210 bu/ac    Bean Yield: 70 bu/ac

Max Rate: 300.0 lbs/ac    Multiplier: N/A

Min Rate: 270.0 lbs/ac    Subtract: N/A

Switch Rate: 220.0 lbs/ac

Minimum Application Rate: 300.0 lbs/ac  
 Maximum Application Rate: 300.0 lbs/ac  
 Average Application Rate: 300.0 lbs/ac  
 Application Area: 13.11 ac  
 Average Field Rate: 300.00 lbs/ac  
 Total Area: 13.11 ac

Total Product: 3931.66 lbs  
 Total Product Bulk: 1.97 ton  
 Product Cost / Bulk: \$0.0/ton  
 Total Product Price: \$0.0  
 Application Cost / Area: \$0.0/ac  
 Total Application Cost: \$0.0  
 Total Cost: \$0.0



# Soil Test Report - Tract 14



Soil Fertility

## Fertilizer Application Summary

Grower: Schrader Real Estate & Auction  
 Farm: Vermilion County  
 Field(s): Tract 14

Commodity: Corn-Soybeans  
 Labs: Agricultural Soil Management

Selected Parameters					
Product	Rec %	Max Rate	Min Rate	+/-	Switch Rate
TSP 0-45-0	100	300.0 lbs/ac	270.0 lbs/ac	0.00	220.0 lbs/ac

Product	Wt App	Wt App Bulk	Applied Area	Product Cost	Est. Cost	Est. Cost/Area
TSP 0-45-0	3931.66 (lbs)	1.97 ton	13.11	\$0.0/ton	\$0.0	\$0.0/ac
Application				\$0.0 /ac	\$0.0	\$0.0/ac
Totals					\$0.00	\$0.0/ac

Field Summary					
Field	PLS ID	FSA ID	County	Area	Centroid
Tract 14	22 23N 11W	--	Vermilion	13.12 ac	40.433246, -87.591254

# Soil Test Report - Tract 14

**Grower:** Schrader Real Estate & Auction

**Farm:** Vermilion County

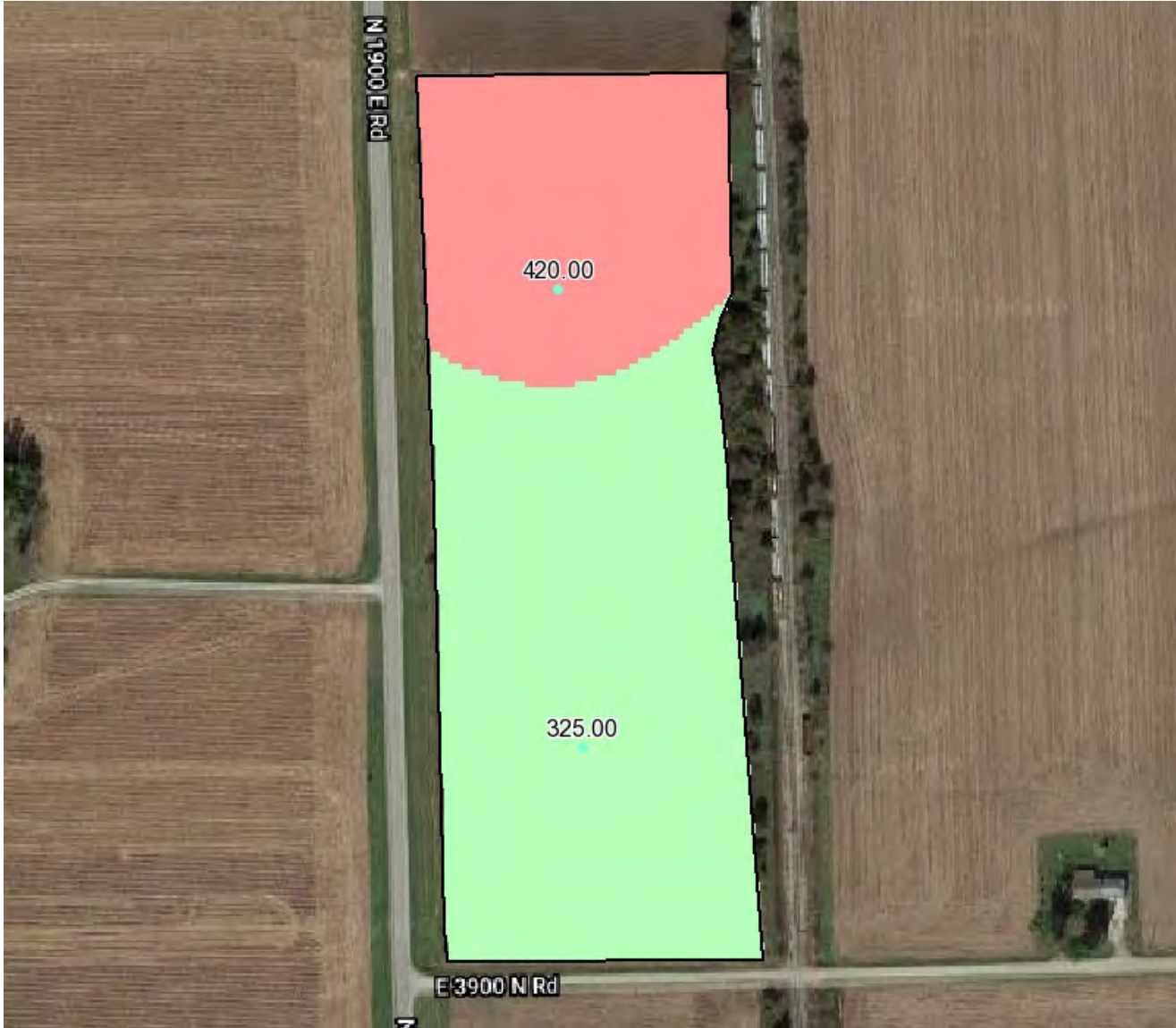
**Field:** Tract 14

**Zone:** Not Specified

**Area:** 13.1

**Sample Date:** 2020-02-20

Potassium (K) lbs/ac



Min: 325.46 Max: 420.30 Avg: 372.88

Potassium (K) Range	Soil Levels	Area (ac)	Percent Acres
0-200	Very Low	0.0	0.0
200-300	Low	0.6	0.0
300-400	Optimal	8.79	67.0
400-450	High	4.32	32.63
450-1200	Very High	0.0	0.0

Potassium (K) is one of the essential nutrients and is taken up in significant amounts by crops. Potassium is vital to photosynthesis, protein synthesis and many other functions in plants. It is classified as a macro-nutrient, as are nitrogen (N) and phosphorus (P). Plants take up K in its ionic form (K+).

# Soil Test Report - Tract 14

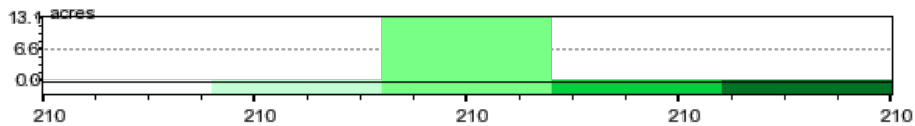
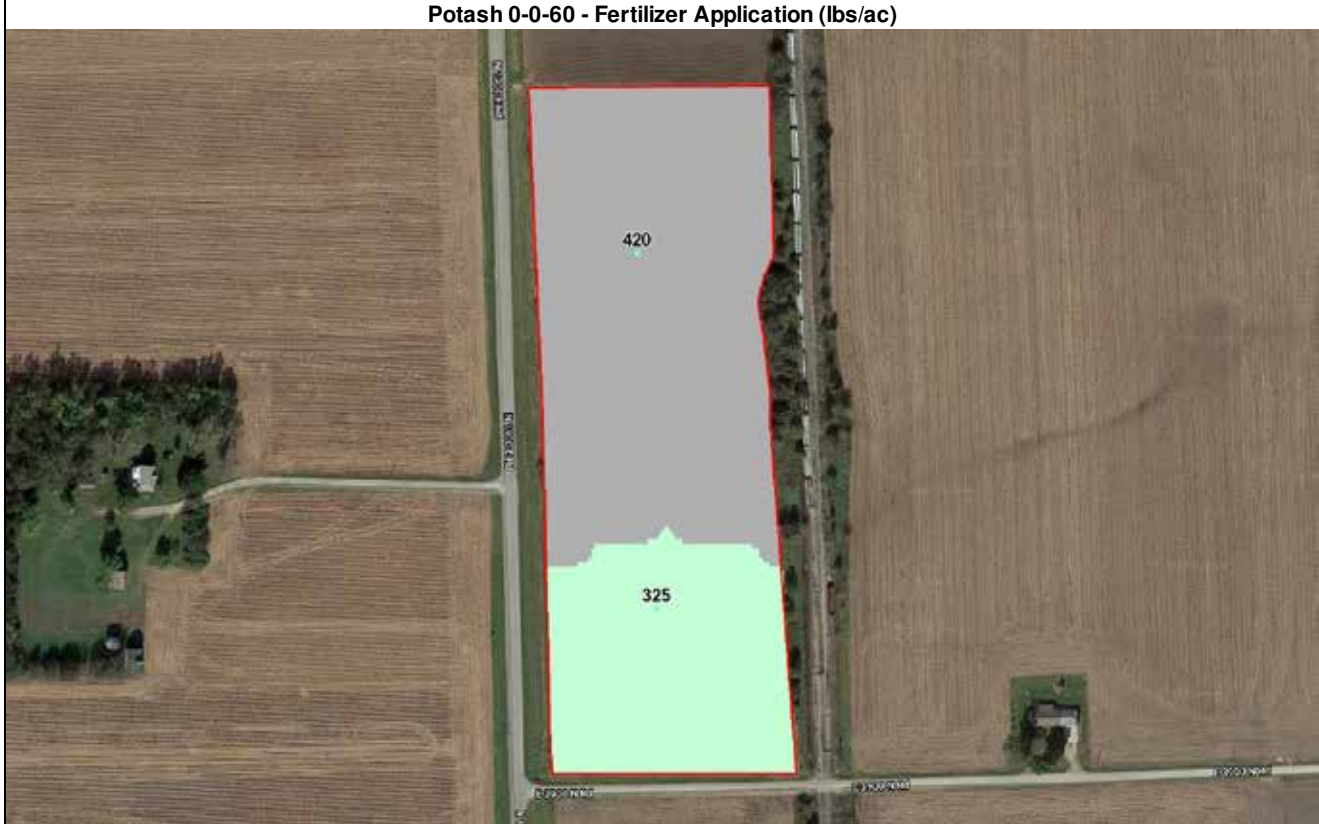


Soil Fertility

Grower: Schrader Real Estate & Auction Farm: Vermilion County

Field(s): Tract 14

Potash 0-0-60 - Fertilizer Application (lbs/ac)



Lab: Agricultural Soil Management Custom Eq: K 01 w/ YIELD Commodity: Corn-Soybeans Sample Date: 2020-02-20

**Constraints:**

Corn Yield: 210 bu/ac Bean Yield: 70 bu/ac

Max Rate: 300.0 lbs/ac Multiplier: N/A

Min Rate: 210.0 lbs/ac Subtract: N/A

Switch Rate: 160.0 lbs/ac

Minimum Application Rate: 210.0 lbs/ac  
 Maximum Application Rate: 210.0 lbs/ac  
 Average Application Rate: 210.0 lbs/ac  
 Application Area: 4.37 ac  
 Average Field Rate: 70.00 lbs/ac  
 Total Area: 13.11 ac

Total Product: 917.39 lbs  
 Total Product Bulk: 0.46 ton  
 Product Cost / Bulk: \$0.0/ton  
 Total Product Price: \$0.0  
 Application Cost / Area: \$0.0/ac  
 Total Application Cost: \$0.0  
 Total Cost: \$0.0

# Soil Test Report - Tract 14



Soil Fertility

## Fertilizer Application Summary

Grower: Schrader Real Estate & Auction  
 Farm: Vermilion County  
 Field(s): Tract 14

Commodity: Corn-Soybeans  
 Labs: Agricultural Soil Management

Selected Parameters					
Product	Rec %	Max Rate	Min Rate	+/-	Switch Rate
Potash 0-0-60	100	300.0 lbs/ac	210.0 lbs/ac	0.00	160.0 lbs/ac

Product	Wt App	Wt App Bulk	Applied Area	Product Cost	Est. Cost	Est. Cost/Area
Potash 0-0-60	917.39 (lbs)	0.46 ton	4.37	\$0.0/ton	\$0.0	\$0.0/ac
Application				\$0.0 /ac	\$0.0	\$0.0/ac
Totals					\$0.00	\$0.0/ac

Field Summary					
Field	PLS ID	FSA ID	County	Area	Centroid
Tract 14	22 23N 11W	--	Vermilion	13.12 ac	40.433246, -87.591254