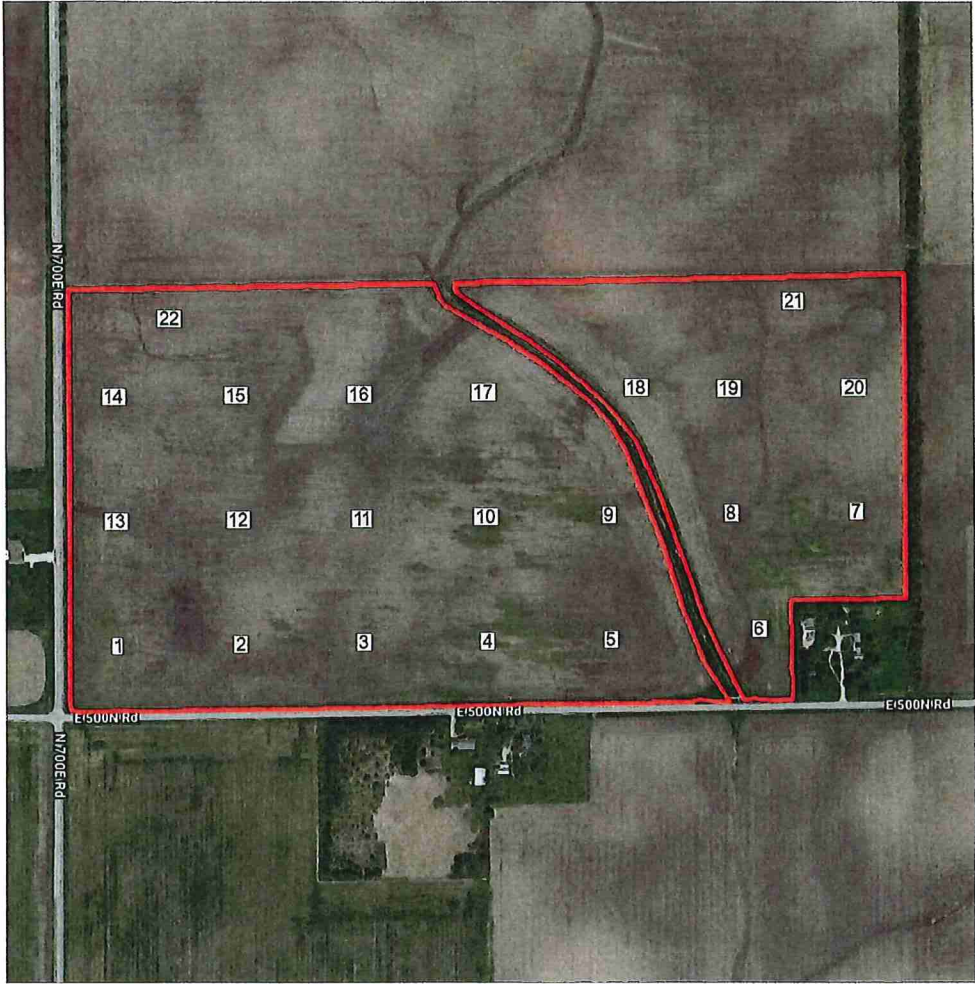


Location	Grower	Farm	Field	Area	Centroid
Southwest				71.91 acres	40.473355, -88.324512



	Min	Max	Avg
P	21.0	219.0	100.4
K	124.0	453.0	281.0
Mg	89.0	693.0	329.3
Ca	411.0	11517	2456
S	5.0	30.0	16.7
Zn	0.9	3.5	1.8
pH	6.0	7.6	6.5
bpH	6.78	6.93	6.88
OM	0.7	4.5	2.3
ENR	58.0	134.0	89.7
CEC	1.5	25.9	7.3
%K	1.0	9.1	5.5
KMeq	0.1	0.5	0.3
%Mg	3.6	23.8	18.7
MgMeq	0.3	2.5	1.2
%Ca	58.7	95.3	67.2
CaMeq	0.9	24.7	5.3
%H	0.0	15.0	8.7
HMeq	0.0	1.5	0.5
KMgRatio	0.09	0.57	0.31

Sample Date	Soil Lab
2024-03-28	Waypoint Analytical Illinois

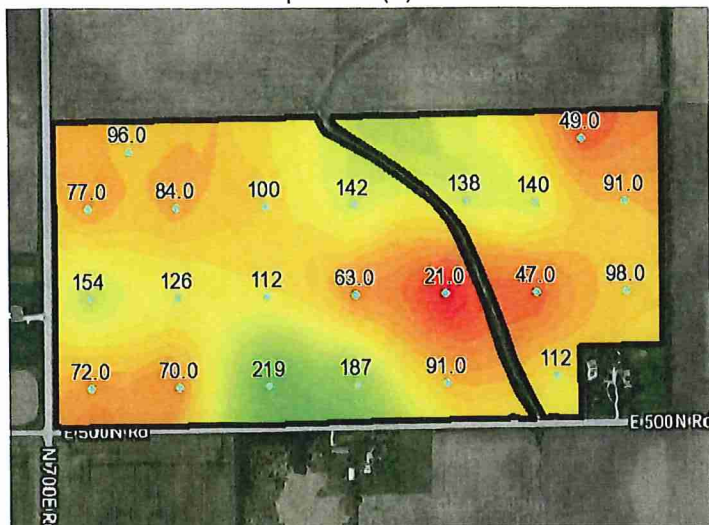
ID	P lbs/ac	K lbs/ac	Mg lbs/ac	Ca lbs/ac	S lbs/ac	Zn lbs/ac	pH	bpH	OM %	ENR lbs/ac	CEC meq	%K %	KMeq meq	%Mg %	MgMeq meq	%Ca %	CaMeq meq	%H %	HMeq meq	KMgRatio
1	72.0	252.0	168.0	968.0	5.0	1.9	6.0	6.88	1.2	68.0	3.5	7.9	0.3	17.1	0.6	59.3	2.1	14.3	0.5	0.46
2	70.0	313.0	296.0	1458	9.0	1.9	6.5	6.89	1.8	80.0	4.9	7.0	0.3	21.6	1.1	63.8	3.1	8.2	0.4	0.32
3	219.0	357.0	357.0	1941	26.0	2.1	6.0	6.83	3.6	116.0	6.8	5.8	0.4	18.8	1.3	61.2	4.2	14.7	1.0	0.31
4	187.0	345.0	257.0	1759	30.0	1.6	6.0	6.84	2.3	90.0	6.0	6.3	0.4	15.3	0.9	62.8	3.8	15.0	0.9	0.41
5	91.0	282.0	217.0	985.0	12.0	1.6	6.6	6.91	1.5	74.0	3.4	9.1	0.3	22.8	0.8	62.1	2.1	5.9	0.2	0.40
6	112.0	268.0	296.0	1412	16.0	0.9	6.5	6.89	1.8	80.0	4.8	6.1	0.3	22.0	1.1	63.0	3.0	8.3	0.4	0.28
7	98.0	292.0	282.0	1381	9.0	1.6	6.6	6.90	1.3	70.0	4.6	7.0	0.3	21.9	1.0	64.3	3.0	6.5	0.3	0.32
8	47.0	280.0	247.0	1181	9.0	1.4	6.4	6.89	1.5	74.0	4.1	7.5	0.3	21.5	0.9	61.7	2.5	9.8	0.4	0.35
9	21.0	212.0	693.0	3428	16.0	2.6	6.8	6.90	2.9	102.0	10.4	2.2	0.2	23.8	2.5	70.6	7.3	2.9	0.3	0.09
10	63.0	383.0	506.0	2415	14.0	1.6	6.6	6.88	1.9	82.0	7.9	5.3	0.4	22.9	1.8	65.5	5.2	6.3	0.5	0.23
11	112.0	359.0	366.0	1867	14.0	1.9	6.5	6.88	1.8	80.0	6.2	6.4	0.4	21.1	1.3	64.5	4.0	8.1	0.5	0.30

ID	P lbs/ac	K lbs/ac	Mg lbs/ac	Ca lbs/ac	S lbs/ac	Zn lbs/ac	pH	bpH	OM %	ENR lbs/ac	CEC meq	%K %	KMeq meq	%Mg %	MgMeq meq	%Ca %	CaMeq meq	%H %	HMeq meq	KMgRatio
12	126.0	161.0	121.0	609.0	12.0	1.6	6.1	6.90	1.3	70.0	2.2	8.0	0.2	19.7	0.4	59.3	1.3	13.6	0.3	0.41
13	154.0	124.0	89.0	411.0	9.0	0.9	6.1	6.91	0.7	58.0	1.5	9.1	0.1	21.1	0.3	58.7	0.9	13.3	0.2	0.43
14	77.0	212.0	177.0	859.0	12.0	0.9	6.5	6.91	1.1	66.0	2.9	8.0	0.2	21.8	0.6	63.4	1.8	6.9	0.2	0.37
15	84.0	266.0	338.0	1701	12.0	1.9	6.4	6.88	1.5	74.0	5.6	5.2	0.3	21.6	1.2	65.1	3.6	8.9	0.5	0.24
16	100.0	175.0	429.0	2569	12.0	3.5	6.6	6.88	3.2	108.0	7.7	2.5	0.2	19.9	1.5	71.5	5.5	6.5	0.5	0.13
17	142.0	357.0	404.0	2676	28.0	3.0	6.1	6.81	3.7	118.0	8.8	4.5	0.4	16.4	1.4	65.2	5.7	13.6	1.2	0.27
18	138.0	453.0	243.0	4286	28.0	1.4	6.3	6.81	3.5	114.0	11.7	4.3	0.5	7.4	0.9	78.5	9.2	10.3	1.2	0.57
19	140.0	224.0	387.0	2462	21.0	1.2	6.8	6.91	2.5	94.0	7.1	3.5	0.2	19.5	1.4	74.3	5.3	2.8	0.2	0.18
20	91.0	310.0	481.0	3444	21.0	1.9	6.5	6.85	3.5	114.0	10.2	3.3	0.3	16.8	1.7	72.4	7.4	7.8	0.8	0.20
21	49.0	224.0	259.0	11517	26.0	1.2	7.6	6.93	4.5	134.0	25.9	1.0	0.2	3.6	0.9	95.3	24.7	0.0	0.0	0.27
22	96.0	401.0	268.0	3745	28.0	1.4	6.1	6.78	2.6	96.0	10.9	4.0	0.4	8.8	1.0	73.6	8.0	13.8	1.5	0.46

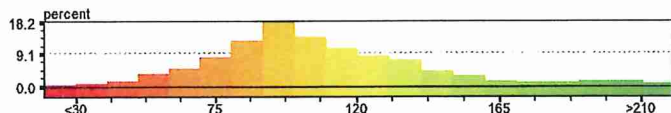
Grower:
Farm:
Field:
Area: 71.91 ac
Interpolation Method: Kriging LPSR

Lab: Waypoint Analytical
Illinois
Date: 2024-03-28
Layer ID: 4458032

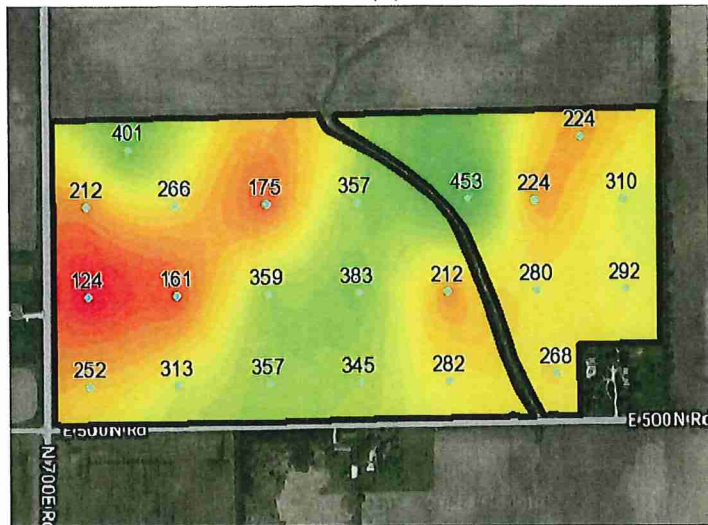
Phosphorous (P) lbs/ac



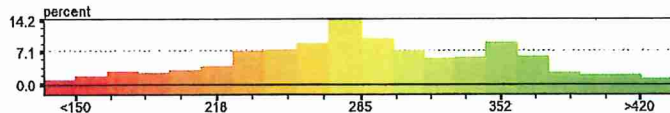
Min: 21.0 Max: 219.0 Avg: 100.4



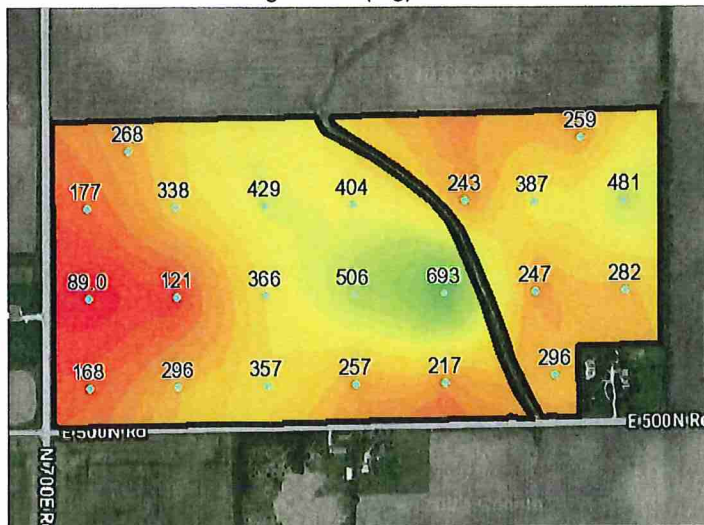
Potassium (K) lbs/ac



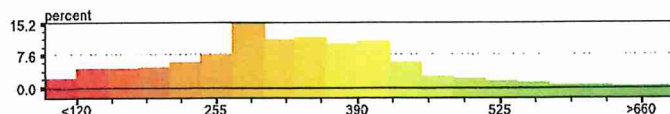
Min: 124.0 Max: 453.0 Avg: 281.0



Magnesium (Mg) lbs/ac



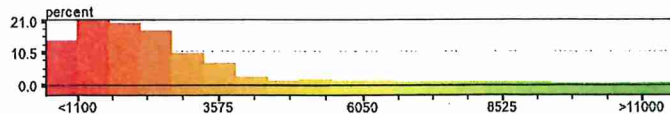
Min: 89.0 Max: 693.0 Avg: 329.3



Calcium (Ca) lbs/ac



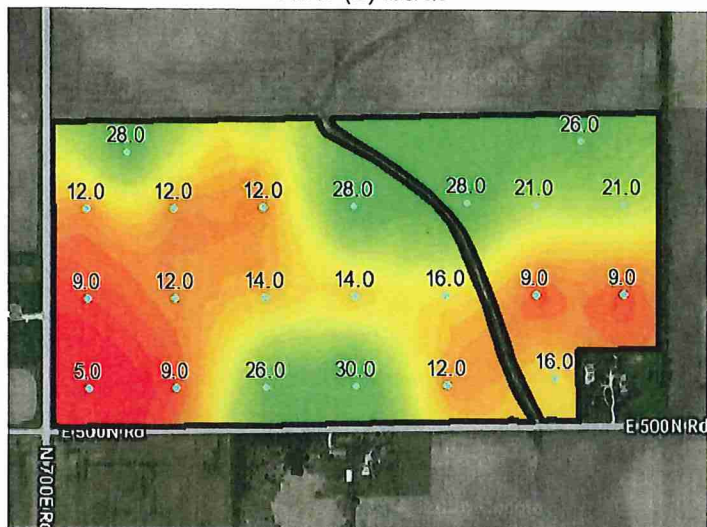
Min: 411.0 Max: 11517 Avg: 2456



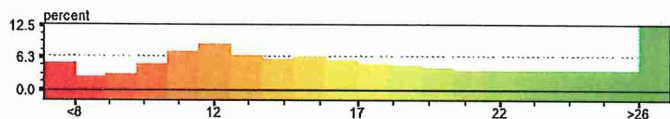
Grower:
Farm:
Field:
Area: 71.91 ac
Interpolation Method: Kriging LPSR

Lab: Waypoint Analytical
Illinois
Date: 2024-03-28
Layer ID: 4458032

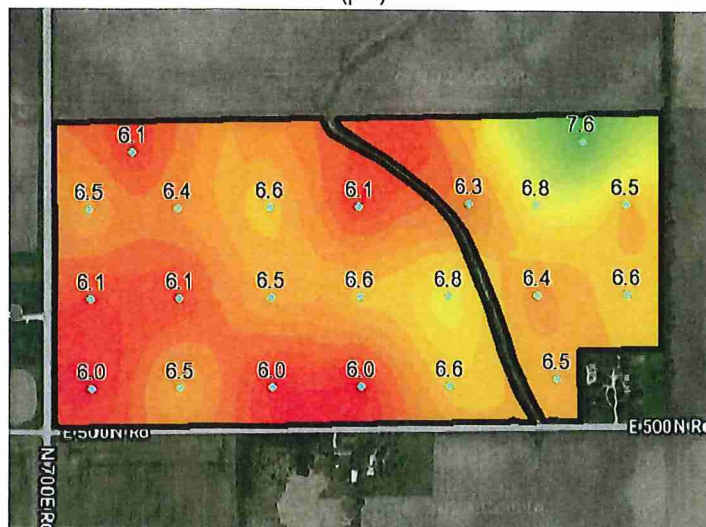
Sulfur (S) lbs/ac



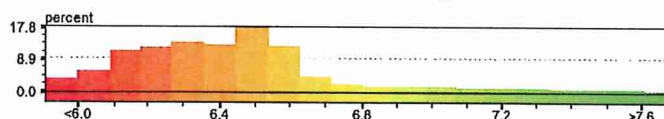
Min: 5.0 Max: 30.0 Avg: 16.7



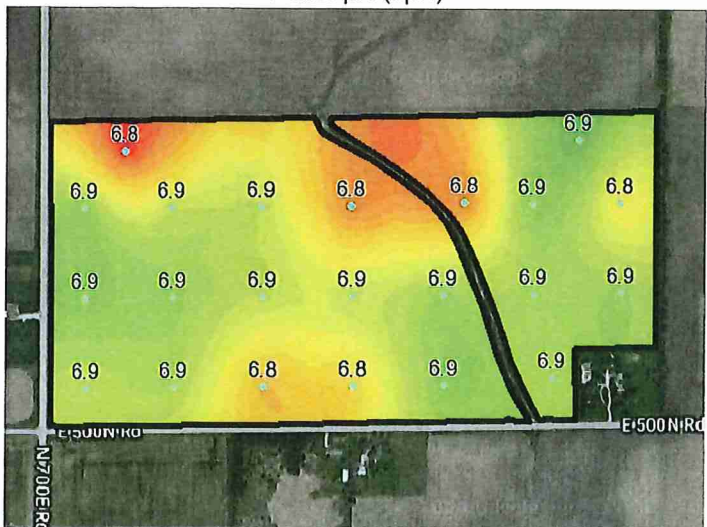
(pH)



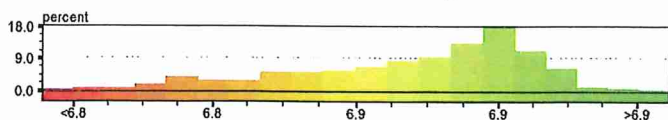
Min: 6.0 Max: 7.6 Avg: 6.5



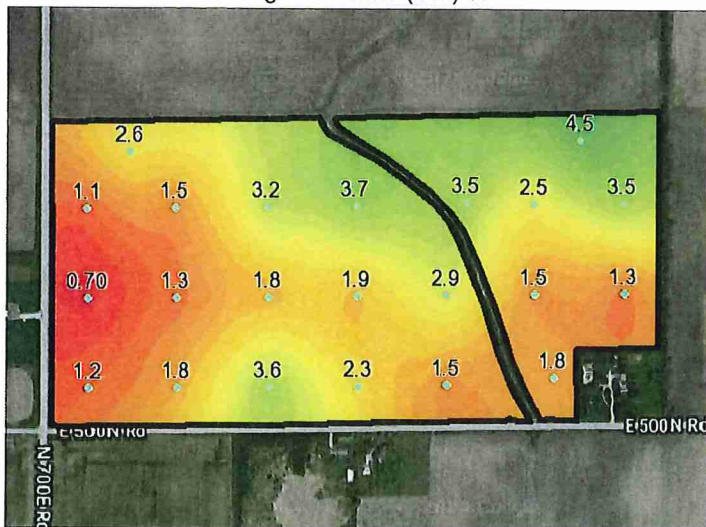
Buffer pH (bpH)



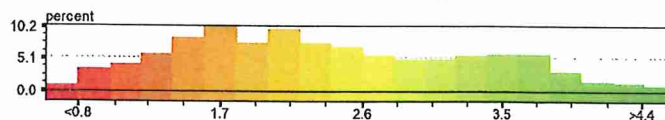
Min: 6.78 Max: 6.93 Avg: 6.88



Organic Matter (OM) %



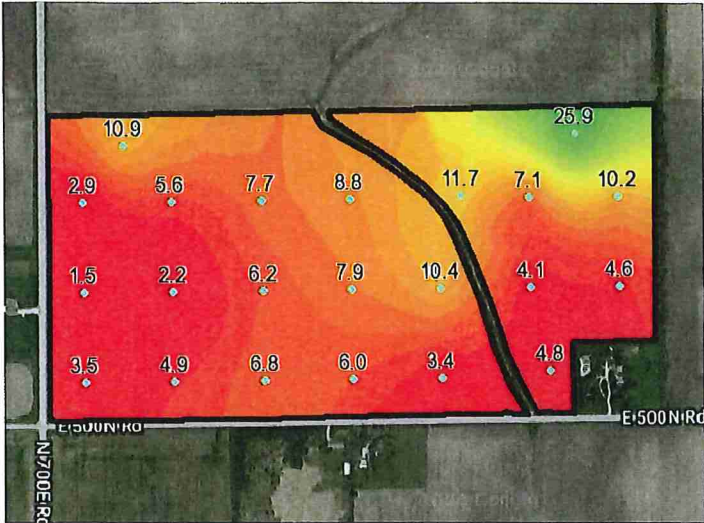
Min: 0.7 Max: 4.5 Avg: 2.3



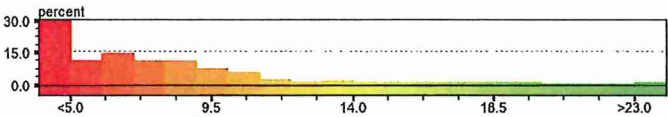
Grower:
Farm:
Field:
Area: 71.91 ac
Interpolation Method: Kriging LPSR

Lab: Waypoint Analytical
Illinois
Date: 2024-03-28
Layer ID: 4458032

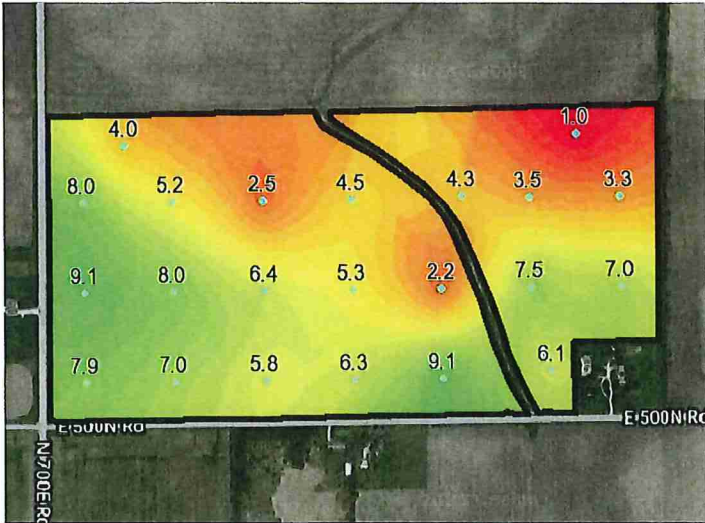
Cation Exchange Capacity (CEC) meq/100g



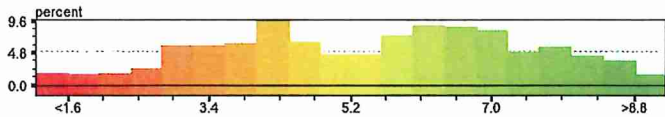
Min: 1.5 Max: 25.9 Avg: 7.3



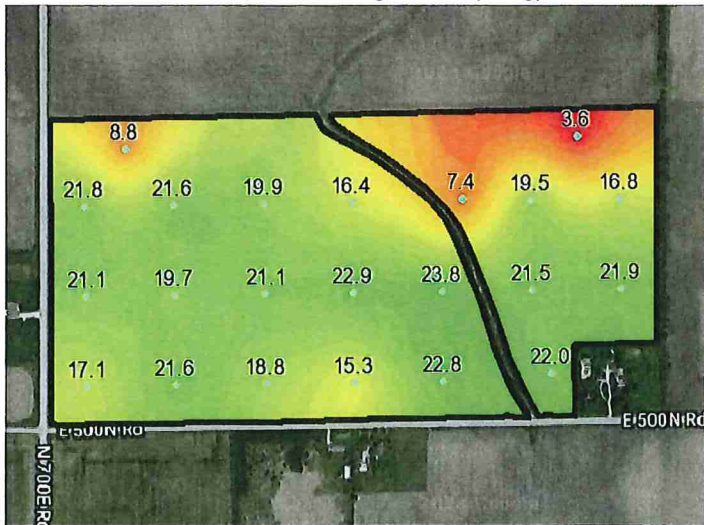
Base Saturation - Potassium (%K) %



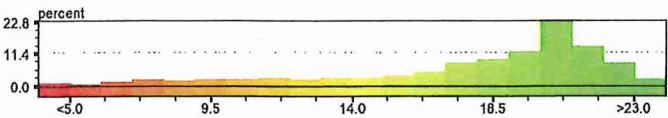
Min: 1.0 Max: 9.1 Avg: 5.5



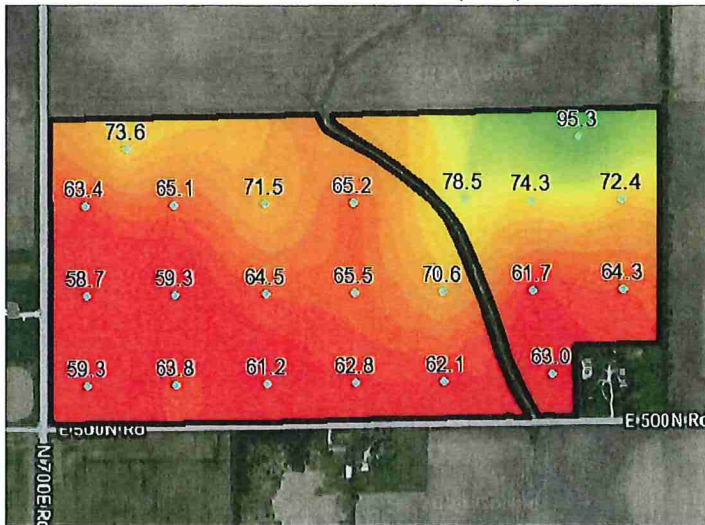
Base Saturation - Magnesium (%Mg) %



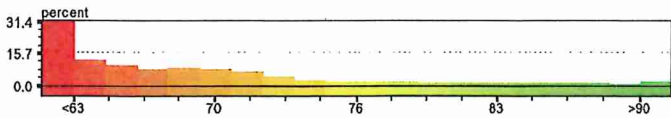
Min: 3.6 Max: 23.8 Avg: 18.7



Base Saturation - Calcium (%Ca) %

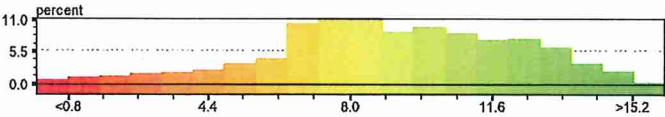
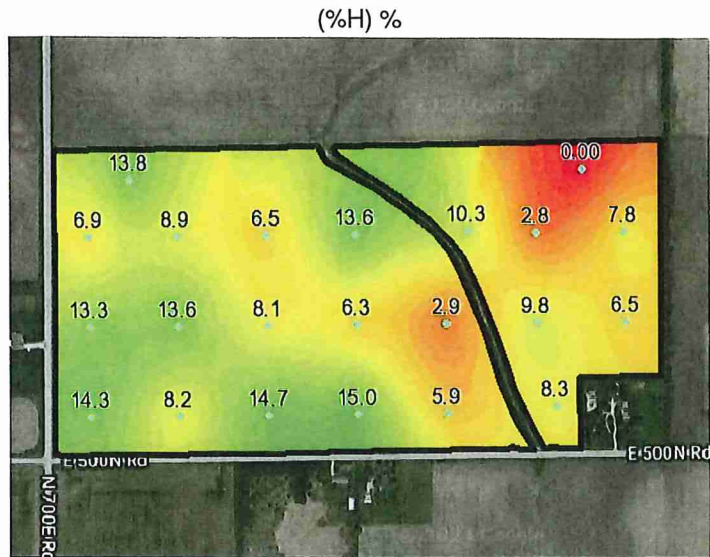


Min: 58.7 Max: 95.3 Avg: 67.2



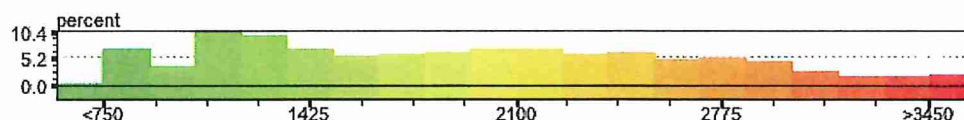
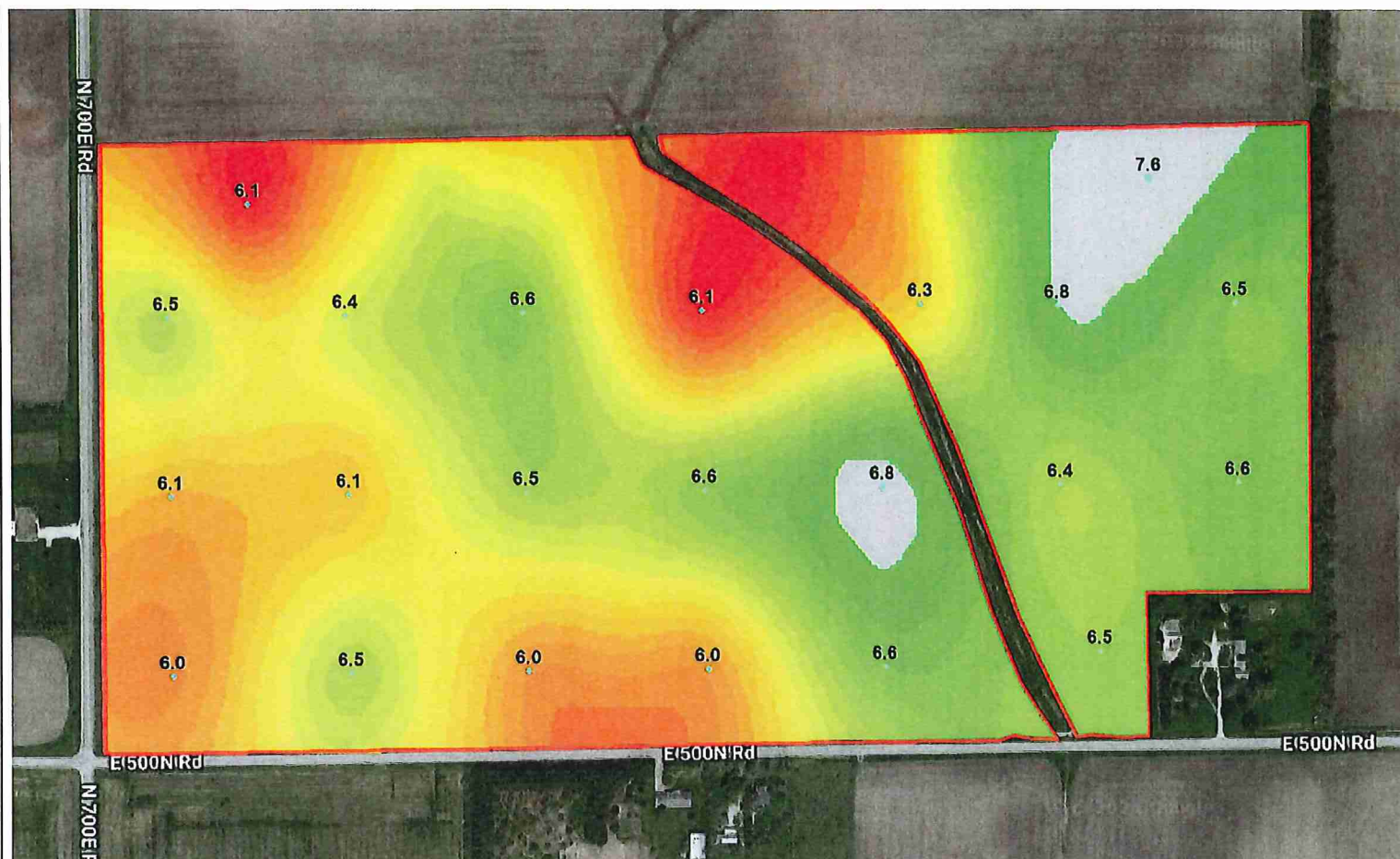
Grower:
Farm:
Field:
Area: 71.91 ac
Interpolation Method: Kriging LPSR

Lab: Waypoint Analytical
Illinois
Date: 2024-03-28
Layer ID: 4458032



Grower: Farm(s): Field(s):

Ag Lime - Fertilizer Application (lbs/ac)



Equation Variables

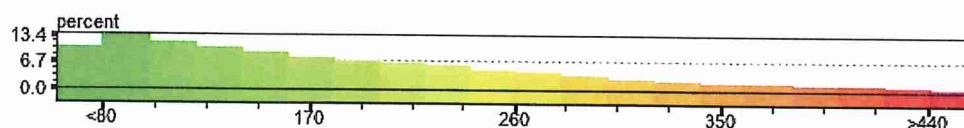
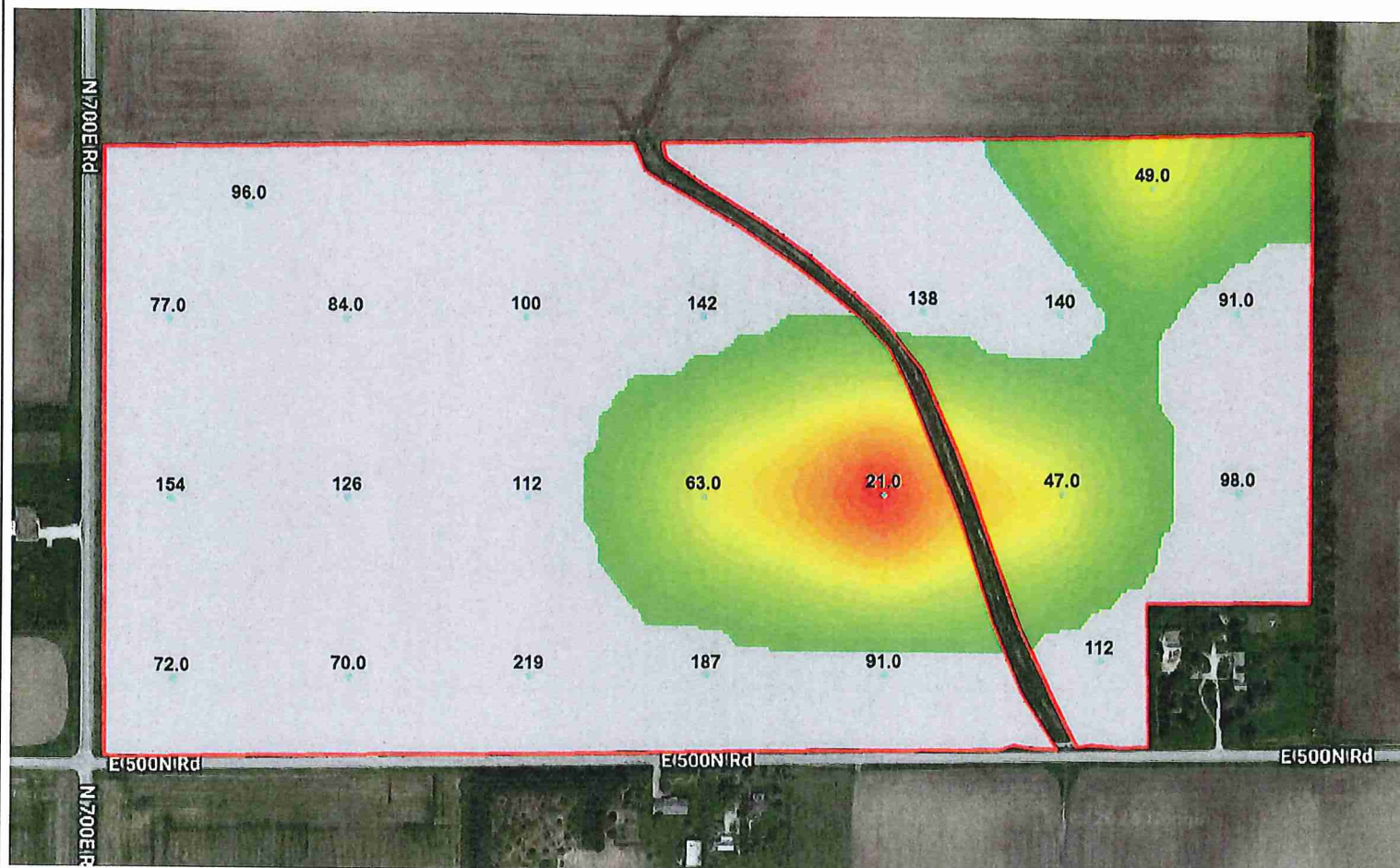
Incorporation Depth:	6 inches	Target pH:	6.5	State:	Illinois
Lime Crop:	Legume	Predominant Lime Class:	B	Crop 1 Yield:	200 per/ac
Crop 2:	Soybeans	Crop 2 Yield:	60 per/ac	Crop 3:	Not Defined
Crop 3 Yield:	0 per/ac	Number of Apps:	2 Apps		
Lab:	Waypoint Analytical Illinois	Switch Rate:	500 lbs/ac	Total Area:	72.03 ac
Custom Eq:	GreenPlan Recs	Rate Multiplier:	N/A	Total Product:	130581.95 lbs
Commodity:	Corn	Rate Subtract:	N/A	Total Product Bulk:	65.29 ton
Sample Date:	2024-03-28	Min Application Rate:	750.0 lbs/ac	Product Cost / Bulk:	\$0.0/ton
Rec Multiplier:	N/A	Max Application Rate:	3570.91 lbs/ac	Total Product Price:	\$0.0
Rec Subtract:	N/A	Avg Application Rate:	1900.69 lbs/ac	Application Cost / Area:	\$0.0/ac
Max Rate:	10000 lbs/ac	Application Area:	68.7 ac	Total Application Cost:	\$0.0
Min Rate:	750 lbs/ac	Average Field Rate:	1812.82 lbs/ac	Total Cost:	\$0.0

Grower:

Farm(s):

Field(s): Rhodes Fm All

DAP 18-46-0 - Fertilizer Application (lbs/ac)



Equation Variables

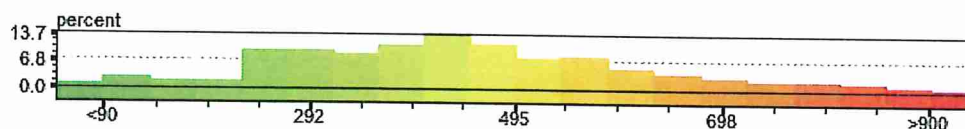
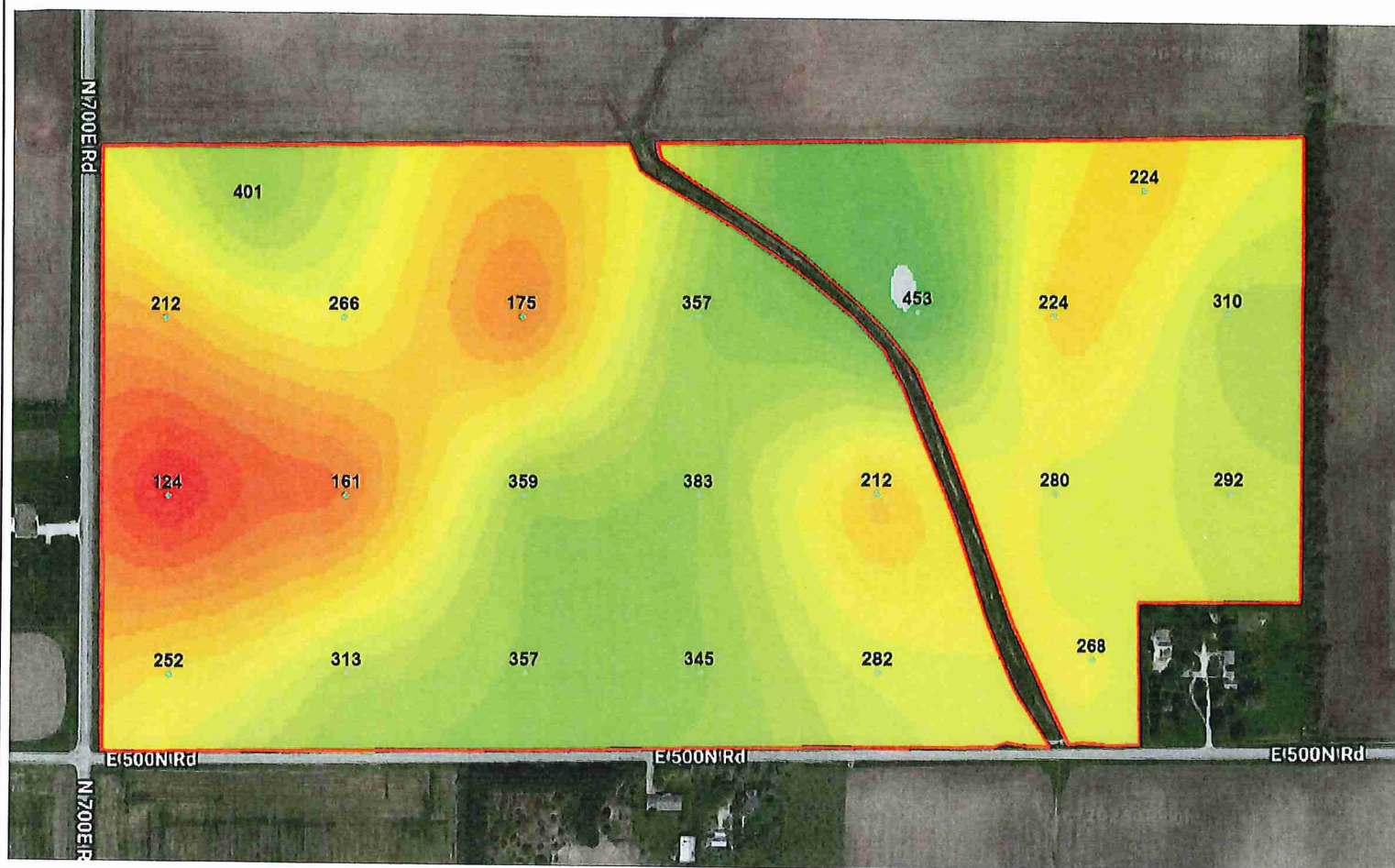
P Build Level:	45 lbs/ac	P Maint Cutoff:	65 lbs/ac	Crop 1 Yield:	200 per/ac
Crop 2:	Soybeans	Crop 2 Yield:	60 per/ac	Crop 3:	Not Defined
Crop 3 Yield:	0 per/ac	Number of Apps:	2 Apps	P Buffering:	9.0 lbs/ac
Lab:	Waypoint Analytical Illinois	Switch Rate:	60 lbs/ac	Total Area:	72.03 ac
Custom Eq:	GreenPlan Recs	Rate Multiplier:	N/A	Total Product:	3578.82 lbs
Commodity:	Corn	Rate Subtract:	N/A	Total Product Bulk:	1.79 ton
Sample Date:	2024-03-28	Min Application Rate:	75.0 lbs/ac	Product Cost / Bulk:	\$0.0/ton
Rec Multiplier:	N/A	Max Application Rate:	431.34 lbs/ac	Total Product Price:	\$0.0
Rec Subtract:	N/A	Avg Application Rate:	174.18 lbs/ac	Application Cost / Area:	\$0.0/ac
Max Rate:	N/A	Application Area:	20.55 ac	Total Application Cost:	\$0.0
Min Rate:	75 lbs/ac	Average Field Rate:	49.68 lbs/ac	Total Cost:	\$0.0

Grower:

Farm(s):

Field(s):

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



Equation Variables

K Build It 12 CEC:	330 lbs/ac	K Cutoff It 12 CEC:	430 lbs/ac	K Build gt 12 CEC:	330 lbs/ac
K Cutoff gt 12 CEC:	430 lbs/ac	Crop 1 Yield:	200 per/ac	Crop 2:	Soybeans
Crop 2 Yield:	60 per/ac	Crop 3:	Not Defined	Crop 3 Yield:	0 per/ac
K Buffering:	4.0 lbs/ac	Number of Apps:	2 Apps		
Lab:	Waypoint Analytical Illinois	Switch Rate:	60 lbs/ac	Total Area:	72.03 ac
Custom Eq:	GreenPlan Recs	Rate Multiplier:	N/A	Total Product:	31611.54 lbs
Commodity:	Corn	Rate Subtract:	N/A	Total Product Bulk:	15.81 ton
Sample Date:	2024-03-28	Min Application Rate:	75.0 lbs/ac	Product Cost / Bulk:	\$0.0/ton
Rec Multiplier:	N/A	Max Application Rate:	888.74 lbs/ac	Total Product Price:	\$0.0
Rec Subtract:	N/A	Avg Application Rate:	439.51 lbs/ac	Application Cost / Area:	\$0.0/ac
Max Rate:	N/A	Application Area:	71.92 ac	Total Application Cost:	\$0.0
Min Rate:	75 lbs/ac	Average Field Rate:	438.85 lbs/ac	Total Cost:	\$0.0

Fertilizer Application Summary

Grower:
Farm(s):
Field(s):

Commodity: Corn
Labs: Waypoint Analytical Illinois

Selected Parameters					
Product	Rec %	Max Rate	Min Rate	+/-	Switch Rate
Ag Lime	100	10000 lbs/ac	750 lbs/ac	0.00	500 lbs/ac
DAP 18-46-0	100	N/A	75 lbs/ac	0.00	60 lbs/ac
POTASH 0-0-60	100	N/A	75 lbs/ac	0.00	60 lbs/ac

Product	Wt App	Wt App Bulk	Applied Area	Product Cost	Est. Cost	Est. Cost/Area
Ag Lime	130581.95 (lbs)	65.29 ton	68.70	\$0.0/ton	\$0.0	\$0.0/ac
DAP 18-46-0	3578.82 (lbs)	1.79 ton	20.55	\$0.0/ton	\$0.0	\$0.0/ac
POTASH 0-0-60	31611.54 (lbs)	15.81 ton	71.92	\$0.0/ton	\$0.0	\$0.0/ac
Application				\$0.0 /ac	\$0.0	\$0.0/ac
Totals				\$0.00	\$0.00	\$0.0/ac

Field Summary					
Field	PLS ID	FSA ID	County	Area	Centroid
Rhodes Fm All	05 23N 08E	--	Ford	71.91 ac	40.473355, -88.324512