



SGS North America Inc.

Fertility Management Report

Gilman Fertilizer Co Inc

M L Schuldt Farms

Clark Farm

July 08, 2017

East Field, West Patch

CLIENT INFORMATION		LABORATORY ANALYSIS																			
ClientID: 6572 Client Name: Jamie Russell Business: Gilman Fertilizer Co Inc Address 1: 108 S Main Address 2: PO Box 65 City St Zip: Gilman, IL 60938-0065 County: Iroquois Salesperson: Brandon LeSage Home Phone: Office Phone: (815) 265-4236 Mobile Phone: Fax Phone: (815) 265-7462		TestType: Standard (pH, P, K, Ca, Mg, OM) Water pH ☒ Buffer pH ☒ Salt pH ☐ Phosphorus ☒ P1 ☐ P2 ☐ pBicarb ☐ Potassium ☒ Calcium ☒ Magnesium ☒ LOI ☐ OrganicMatter ☒ Composite Zinc ☐ Manganese ☐ Sulfur ☐ Boron ☐ Copper ☐ Iron ☐ Sodium ☐ ☐ Nitrate ☐ Sub ☐ Surface																			
FertRecs: LAR + 4 yr Colored Maps: Colored-Grid Map Type: AgVance ☐ Deferred Testin		ExportType: None Copies: 2 Order Type: Units: Lbs/Ac																			
FARM INFORMATION		OTHER NOTES																			
Farm Name: Clark Farm Farm ID: 159107 Patron Name: M L Schuldt Farms Patron Phone: Land Owner: State: IL Description: Section: 14 Township: vnship Name: Onarga East County: Iroquois Order Acres: 37.07 Grid Freq: 4.4 PRegion:		<table border="0"> <thead> <tr> <th><u>Weather</u> <u>Conditions</u></th> <th><u>Soil</u> <u>Conditions</u></th> <th><u>Tillage</u> <u>Conditions</u></th> </tr> </thead> <tbody> <tr> <td>☐ Sunny</td> <td>☐ Normal</td> <td>☐ Untilled</td> </tr> <tr> <td>☐ PSunny</td> <td>☐ Dry</td> <td>☐ Plowed</td> </tr> <tr> <td>☐ Cloudy</td> <td>☐ Wet</td> <td>☐ Chiseled</td> </tr> <tr> <td>☐ Rain</td> <td>☐ Frost</td> <td>☐ Strip Tilled</td> </tr> <tr> <td>☐ Snow</td> <td>☐ Frozen</td> <td></td> </tr> </tbody> </table> Sampled By: <u>BEF</u> Date Sampled: <u>07/08/2017</u>		<u>Weather</u> <u>Conditions</u>	<u>Soil</u> <u>Conditions</u>	<u>Tillage</u> <u>Conditions</u>	☐ Sunny	☐ Normal	☐ Untilled	☐ PSunny	☐ Dry	☐ Plowed	☐ Cloudy	☐ Wet	☐ Chiseled	☐ Rain	☐ Frost	☐ Strip Tilled	☐ Snow	☐ Frozen	
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Gilman, IL 60938

County: Iroquois
Township: Onarga East
Range:
Section: 14
Date Tested: 07/18/2017

-  Water
-  Roads
-  Timber
-  Waterway
-  Buildings

Clark Farm_East Side - W Patch
37.07

Latitude: 40.732752
Longitude: -87.902423



Gilman Fertilizer

Gilman, IL 60938

Customer: M L Schuldt Farms
Field: 17480_13 (#4410)
Description: Clark Farm_East Side - W Patch
Acres: 37.07
of Samples: 9

County: Iroquois
Township: Onarga East
Range:
Section: 14
Date Tested: 07/18/2017



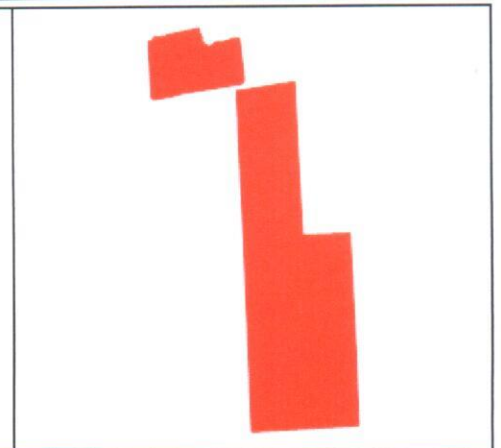
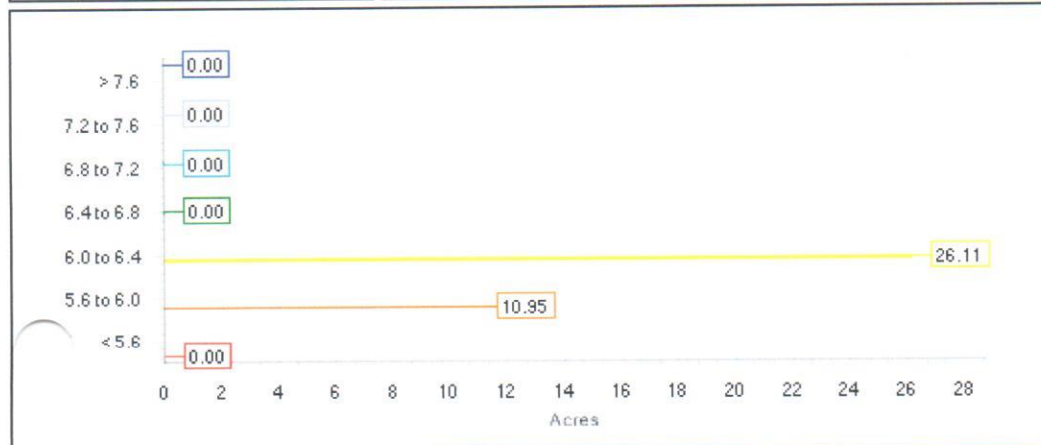
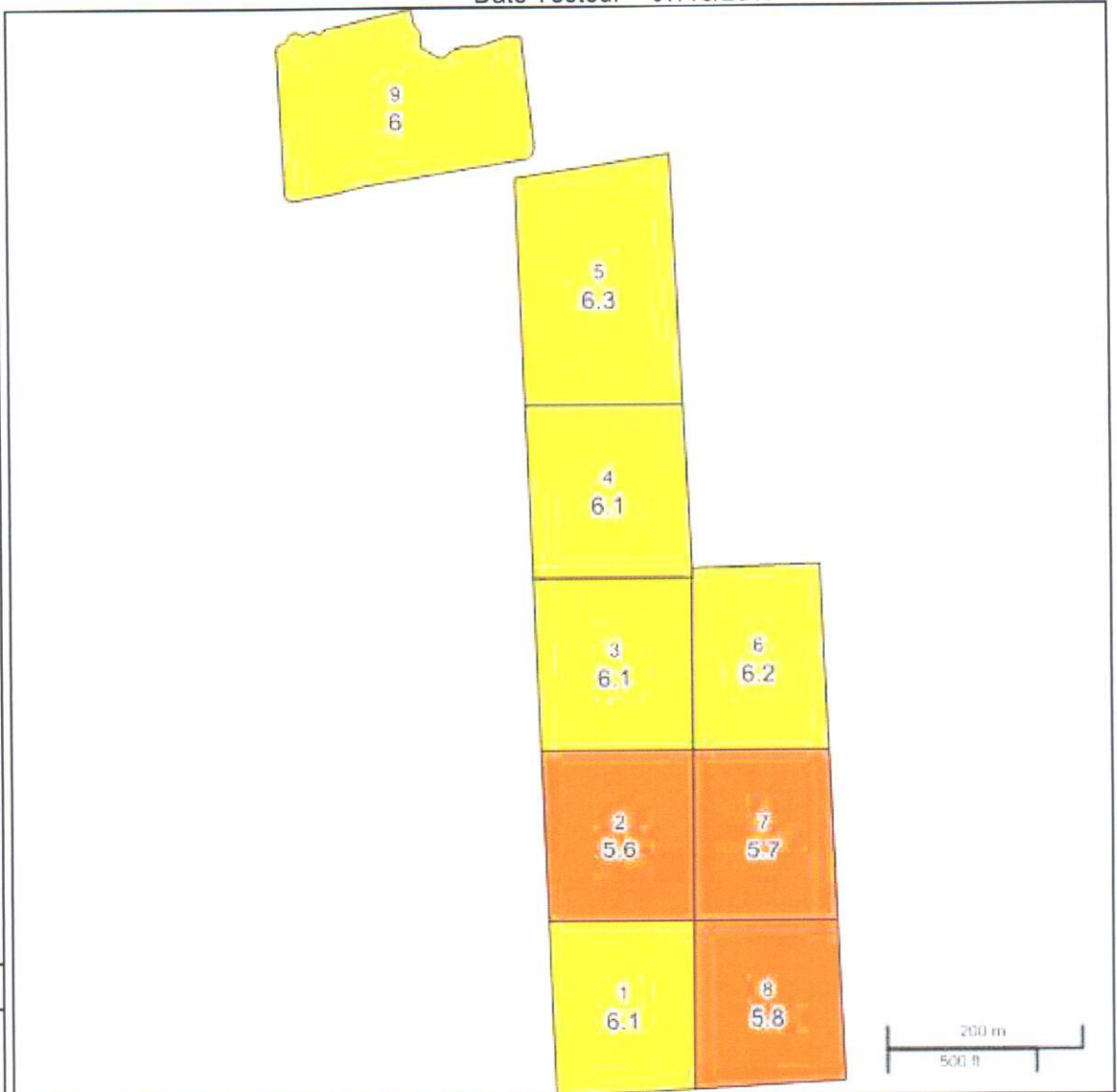
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Legend	
pH Results	
■	<5.5 Avg: Acres: 0.0
■	5.5 - 5.9 Avg: 5.7 Acres: 10.9
■	5.9 - 6.3 Avg: 6.1 Acres: 26.1
■	6.3 - 6.7 Avg: Acres: 0.0
■	6.7 - 7.1 Avg: Acres: 0.0
■	7.1 - 7.5 Avg: Acres: 0.0
■	>7.5 Avg: Acres: 0.0
Total Map Acres: 37.1	
Latitude: 40.732752	
Longitude: -87.902423	



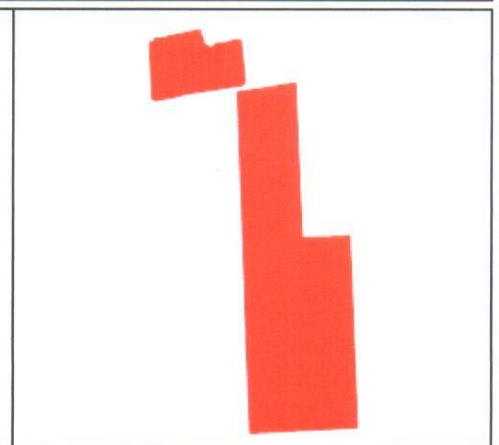
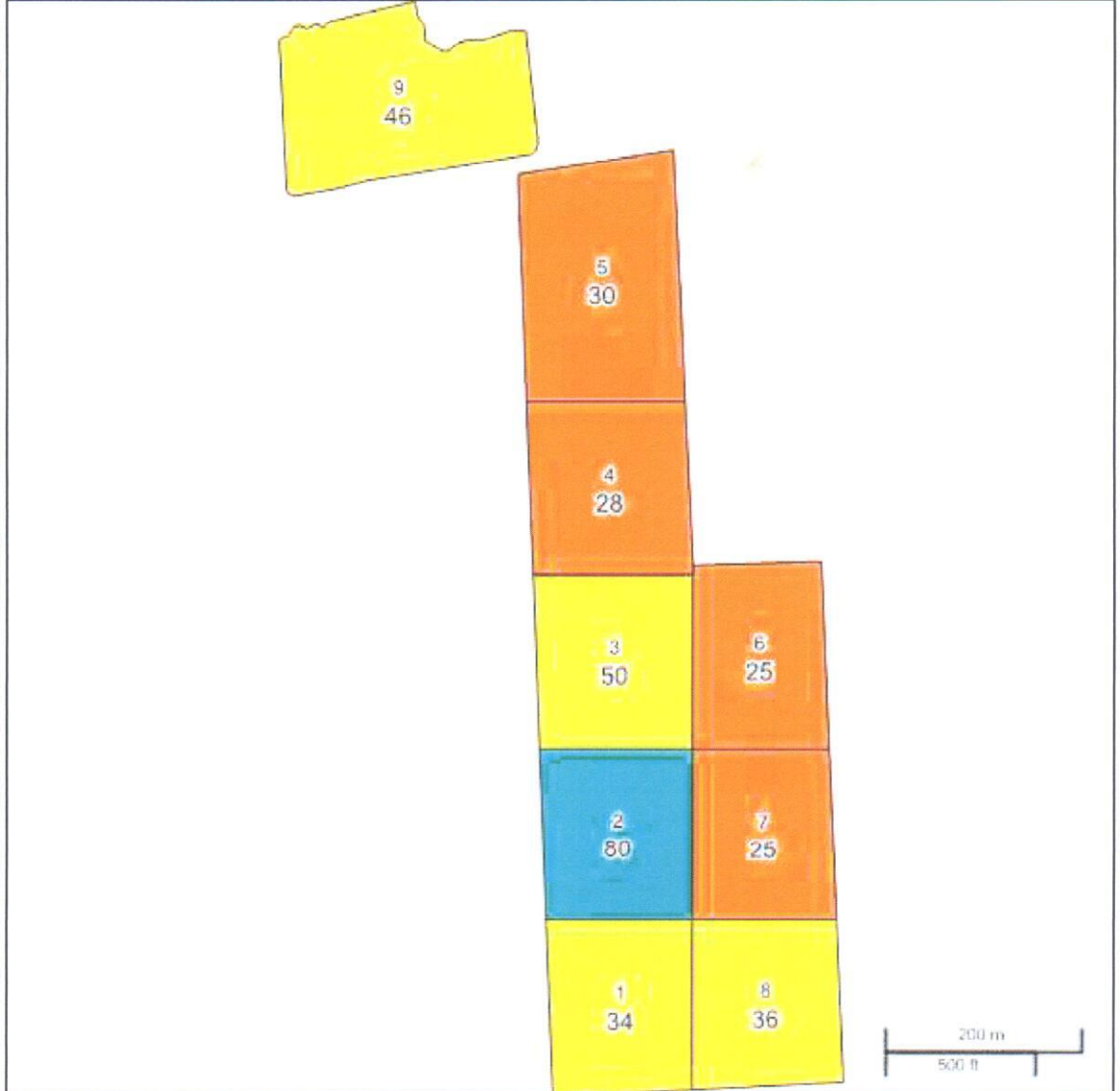
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Legend	
Phosphorus Results	
	<20 lbs/Ac Avg: Acres: 0.0
	20 - 30 lbs/Ac Avg: 26 Acres: 11.2
	30 - 50 lbs/Ac Avg: 37 Acres: 18.1
	50 - 70 lbs/Ac Avg: 50 Acres: 4.0
	70 - 90 lbs/Ac Avg: 80 Acres: 3.8
	90 - 110 lbs/Ac Avg: Acres: 0.0
	>110 lbs/Ac Avg: Acres: 0.0
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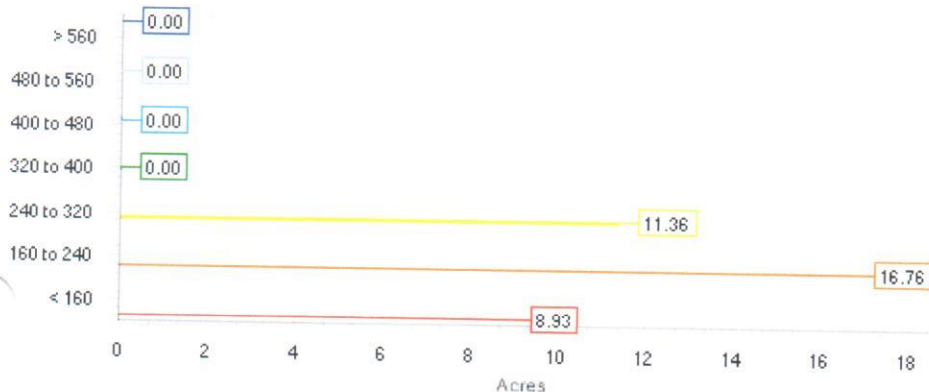
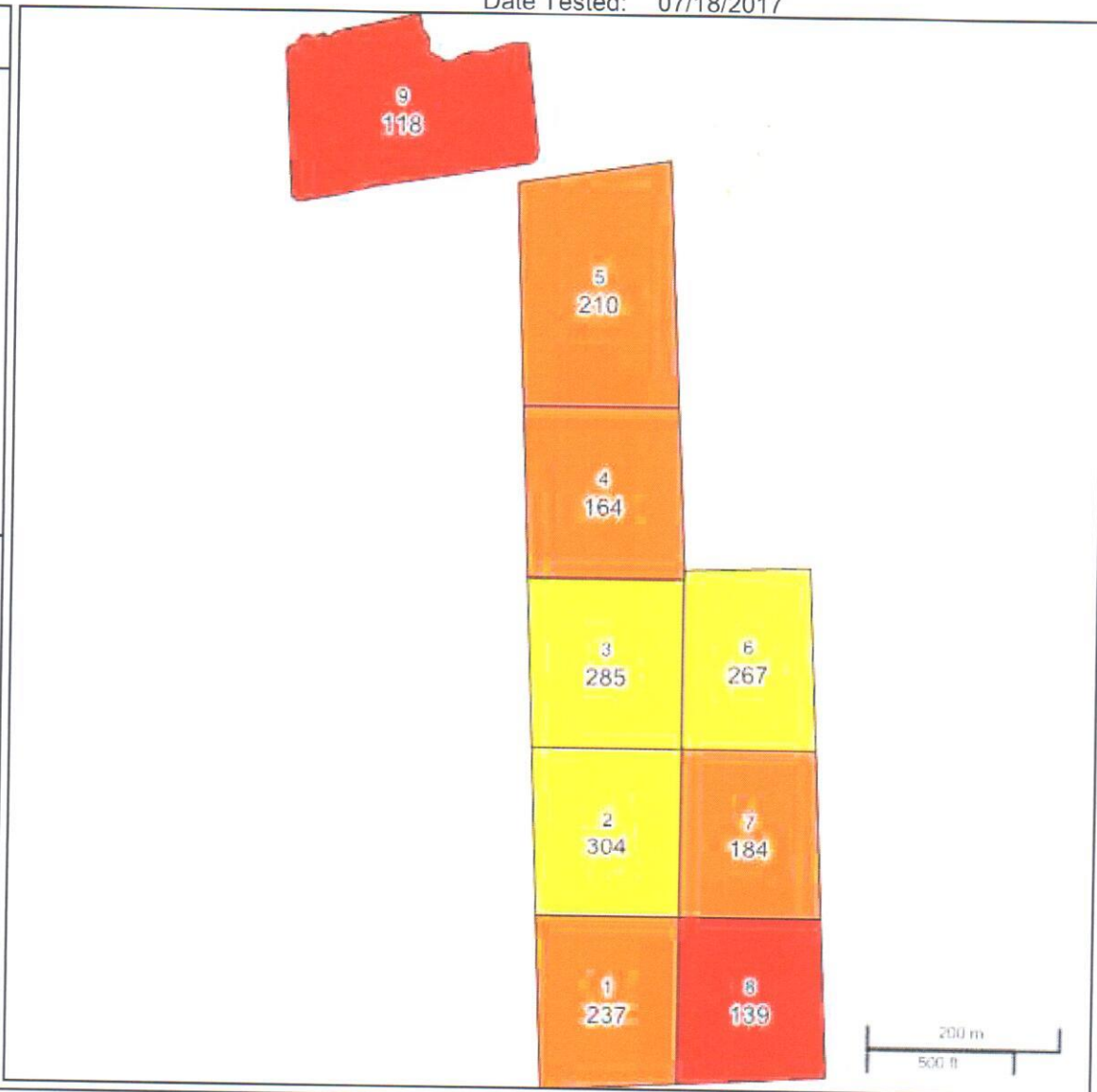
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Legend Potassium Results

■	<160 lbs/Ac Avg: 126 Acres: 8.9
■	160 - 240 lbs/Ac Avg: 199 Acres: 16.8
■	240 - 320 lbs/Ac Avg: 286 Acres: 11.4
■	320 - 400 lbs/Ac Avg: Acres: 0.0
■	400 - 480 lbs/Ac Avg: Acres: 0.0
■	480 - 560 lbs/Ac Avg: Acres: 0.0
■	>560 lbs/Ac Avg: Acres: 0.0

Total Map Acres: 37.1

Latitude: 40.732752
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LABORATORY

ANALYSIS AND RECOMMENDATION REPORT

Special Report For: M L Schultdt Farms

Samples Submitted by: Jamie Russell

Order No: 324450

Client ID: 6572

Report Date: 07/18/2017

Farm Name: Clark Farm

Field Name: East Side - W Patch

Field Acres: 37.07

Gilman Fertilizer Co Inc

108 S Main

PO Box 65

Gilman, IL 60938-0065

Sample Number	Water pH	Buffer pH	Pounds Per Acre				Parts Per Million				ds/m	PPM NO3-N		Lbs/Ac		Percent Saturation				meq/100g
			Phosphorus*	Potassium	Calcium	Magnesium	Percent Organic Matter	Sulfur	Zinc	Manganese		Surf	Total	Bray P2	Olsen P	Ca	Mg	K	H	
1	6.1	6.7	34	237	4474	806	3.5									61.5	18.4	1.7	18.2	22
2	5.6	6.3	80	304	4838	923	3.5									52.7	16.8	1.7	28.6	22
3	6.1	6.6	50	285	4748	850	3.6									61.2	18.3	1.9	18.4	23
4	6.1	6.7	28	164	3880	621	3.4									63.2	16.9	1.4	18.2	34
5	6.3	6.9	30	210	5500	939	3.5									65.6	18.7	1.3	14.2	22
6	6.2	6.8	25	267	4430	1178	3.3									56.8	25.2	1.8	15.8	40
7	5.7	6.4	25	184	2932	626	3.2									53.1	18.9	1.7	26.0	34
8	5.8	6.5	36	139	2392	324	3.3									60.9	13.7	1.8	23.2	37
9	6.0	6.7	46	118	1867	349	3.0									58.3	18.1	1.9	21.0	71
Field Median	6.1	6.7	34	210	4430	806	3.4									60.9	18.3	1.7	18.4	34

	Fertility Level			
	V Low	Low	Optim.	High
Water pH	6.1			
Phosphorus	34			
Potassium	210			
Calcium	4430			
Magnesium	806			
Organic Matter	3.4			
Sulfur				
Zinc				
Manganese				
Boron				
Iron				
Copper				
Sodium				
Olsen P				
Bray P1				
Limestone Recommendations				

1.6 Tons/Acre

CONVERSIONS: PPM = Lbs/Acre / 2 or Lbs/Acre = PPM x 2

Previous Crop: None Specified

Optimum Ranges:

Water pH: 6.3 - 6.8

Phosphorus: 45 - 75

Potassium: 320 - 400

Fertilizer Recommendations are in Pounds per Acre

Intended Crop Yield Goal	Corn Grain 200 Bu/Ac $N - P_2O_5 - K_2O$ 0 - 41 - 112	Soybean 60 Bu/Ac $N - P_2O_5 - K_2O$ 0 - 41 - 112	Corn Grain 200 Bu/Ac $N - P_2O_5 - K_2O$ 0 - 41 - 112	Soybean 60 Bu/Ac $N - P_2O_5 - K_2O$ 0 - 41 - 112
Build-up	240 - 86 - 56	240 - 86 - 56	240 - 86 - 56	240 - 86 - 56
Crop Removal: IL	240 - 127 - 168	240 - 91 - 190	240 - 127 - 168	240 - 91 - 190
**TOTAL REQUIRED	240 - 127 - 168	240 - 91 - 190	240 - 127 - 168	240 - 91 - 190
Credits: High Fertility	0 - 0 - 0	0 - 0 - 0	0 - 0 - 0	0 - 0 - 0
**ADJUSTED RECOMMENDATIONS	240 - 127 - 168	240 - 91 - 190	240 - 127 - 168	240 - 91 - 190

Adjust Nitrogen Recommendations for Previous Crop or other N Sources.

VET Lime Approx. 7.6 tons

200lbs 18-40-0

300lbs 0-0-60

*Phosphorus value is reported as a Bray P1 number based on a Mehlich III extraction.

SGS North America Inc.

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117 E Main Street PO Box 540 Tolon, IL 61483 t (309) 286-2761 f (309) 286-6251

www.cropservices.sgs.com www.sgs.com