



SGS North America Inc.

Fertility Management Report

Gilman Fertilizer Co Inc

Mike Schuldt

Clark Farm - *West Field, East Patch*

May 29, 2015

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: Mark Hoover 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: 171285 Patron Name: Schuldt_Mike Patron Phone: Land Owner: State: IL Description: Section: Township: Range: wnship Name: County: Order Acres: 32.68 Grid Freq: 4.4 PRegion: M		<table border="0"> <tr> <td><u>Weather</u></td> <td><u>Soil</u></td> <td><u>Tillage</u></td> </tr> <tr> <td><u>Conditions</u></td> <td><u>Conditions</u></td> <td><u>Conditions</u></td> </tr> <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> </table> Sampled By: BEF Date Sampled: 05/29/2015		<u>Weather</u>	<u>Soil</u>	<u>Tillage</u>	<u>Conditions</u>	<u>Conditions</u>	<u>Conditions</u>	☐ Sunny	☐ Normal	☐ Untilled	☐ PSunny	☐ Dry	☐ Plowed	☐ Cloudy	☐ Wet	☐ Chiseled	☐ Rain	☐ Frost	☐ Strip Tilled	☐ Snow	☐ Frozen	
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Gilman Fertilizer

Gilman, IL 60938

Customer: Mike Schuldt
Field: 67056_15 (#6155)
Description: Clark Farm_West E Patch
Acres: 32.68
of Samples: 9

County:
Township:
Range:
Section:
Date Tested: 06/15/2015

Legend Base Map

-  Water
-  Roads
-  Timber
-  Waterway
-  Buildings

Total Map Acres: 32.7

Latitude: 40.732479
Longitude: -87.903220

Clark Farm_West E Patch
32.68

Clark Farm_West E Patch
32.68

200 m
500 ft



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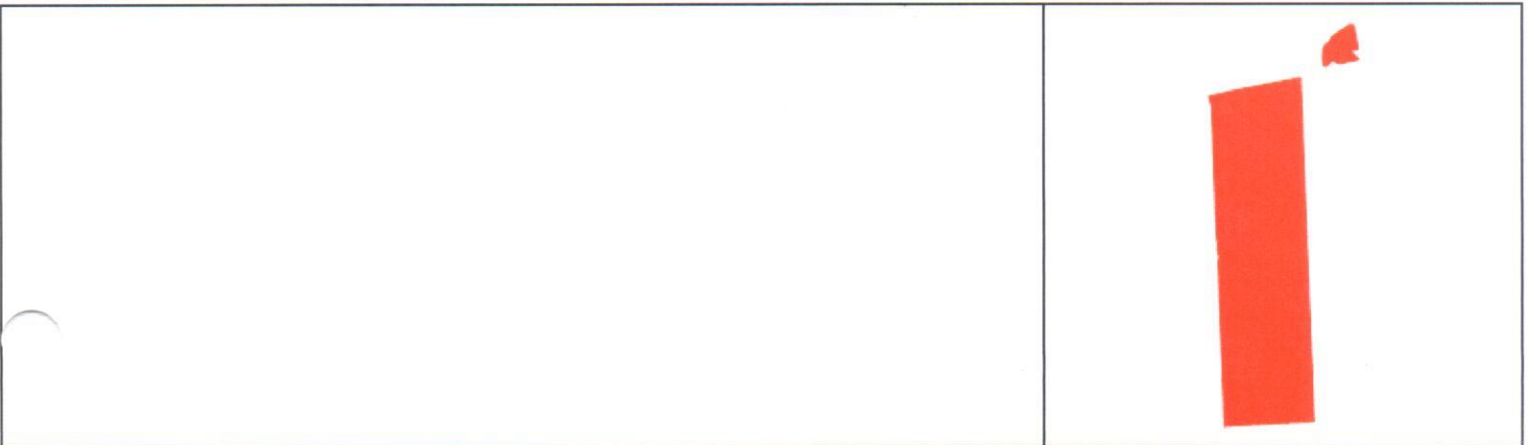
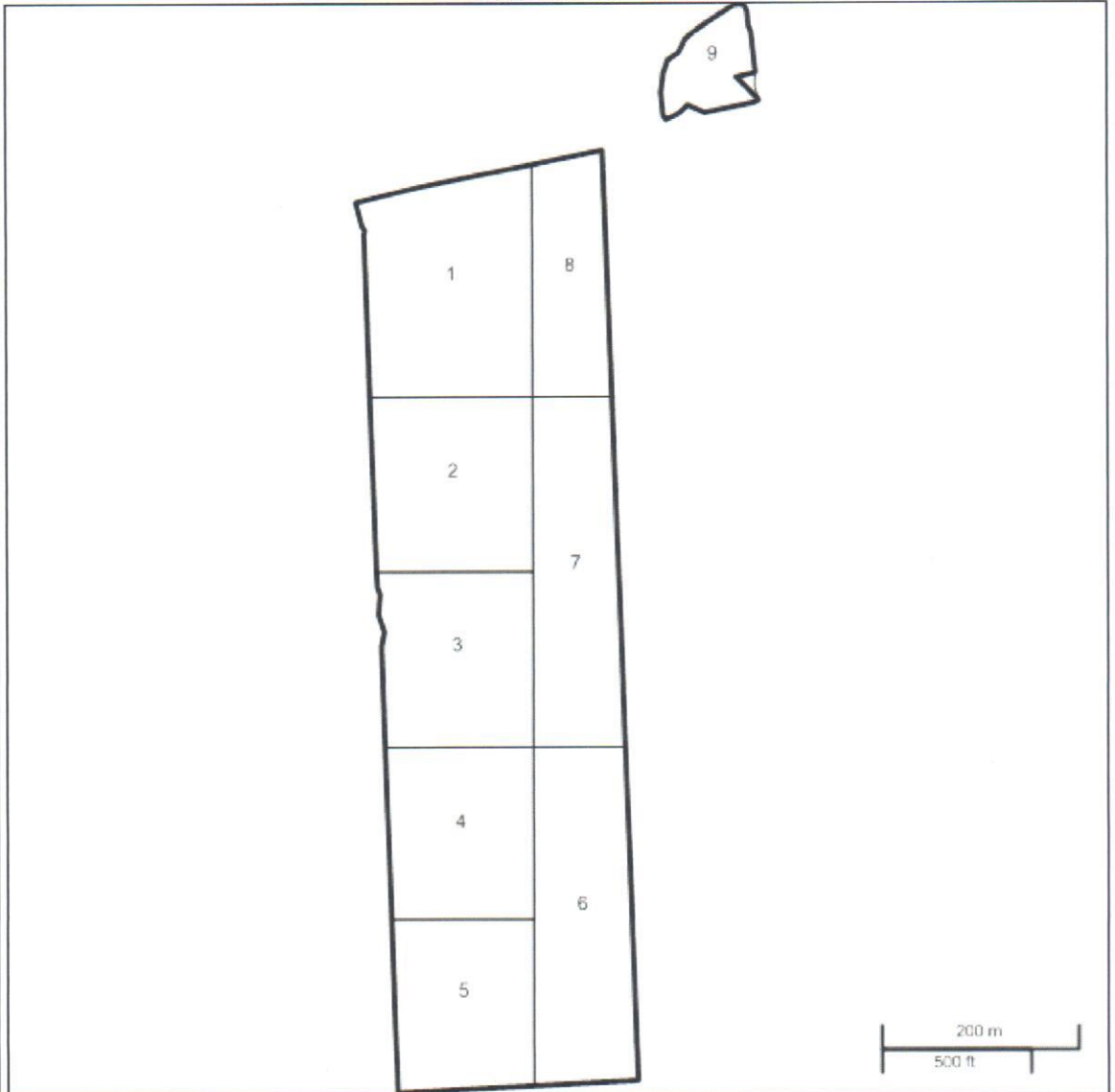
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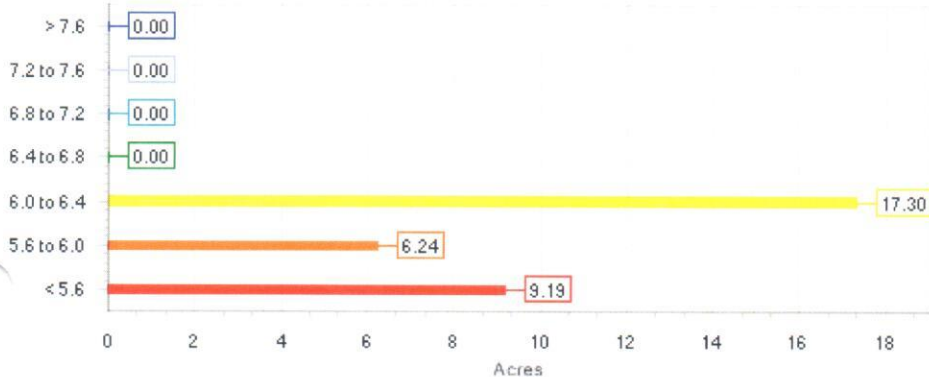
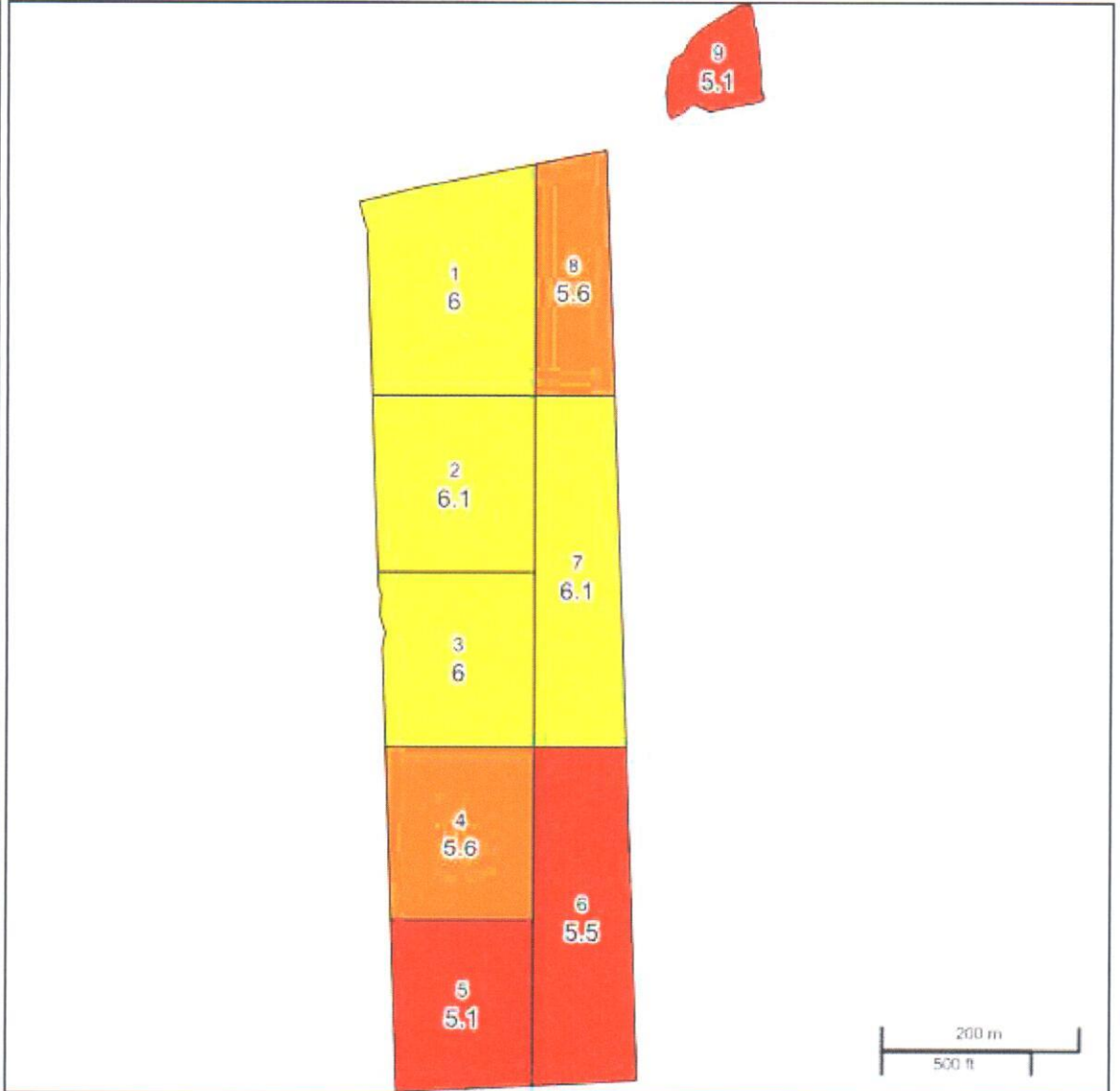
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Section:
Date Tested: 06/15/2015

Legend pH Results

<5.5	Avg: 5.3 Acres: 9.2
5.5 - 5.9	Avg: 5.6 Acres: 6.2
5.9 - 6.3	Avg: 6.0 Acres: 17.3
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

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Legend Phosphorus Results

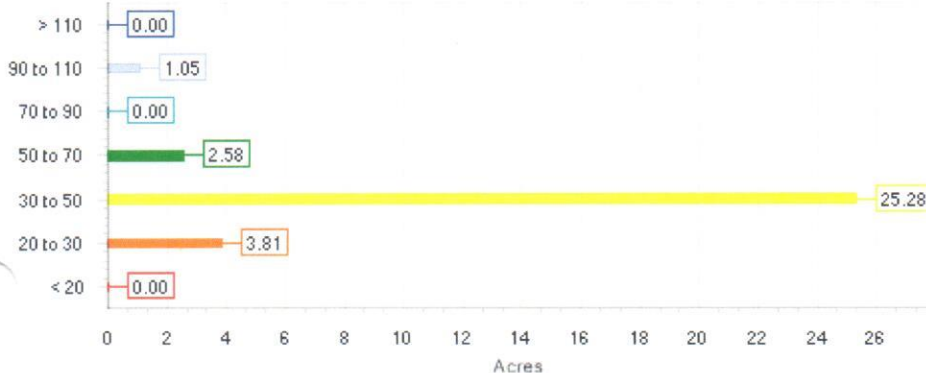
	<20 lbs/Ac Avg: Acres: 0.0
	20 - 30 lbs/Ac Avg: 21 Acres: 3.8
	30 - 50 lbs/Ac Avg: 35 Acres: 25.3
	50 - 70 lbs/Ac Avg: 64 Acres: 2.6
	70 - 90 lbs/Ac Avg: Acres: 0.0
	90 - 110 lbs/Ac Avg: 106 Acres: 1.1
	>110 lbs/Ac Avg: Acres: 0.0

Total Map Acres: 32.7

Latitude: 40.732479
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200 m
500 ft



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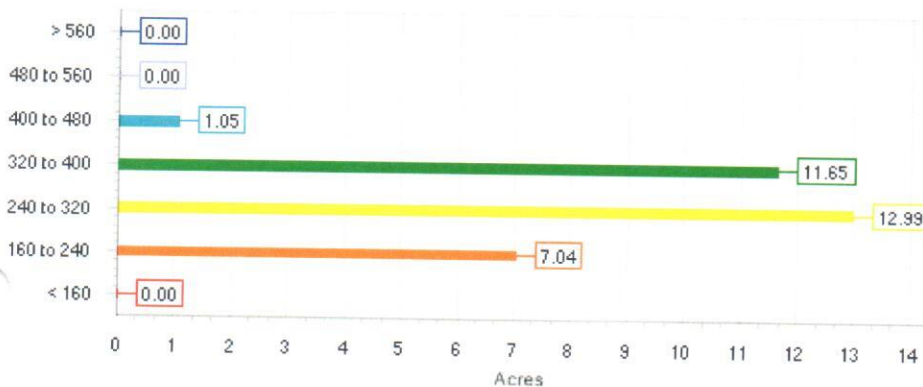
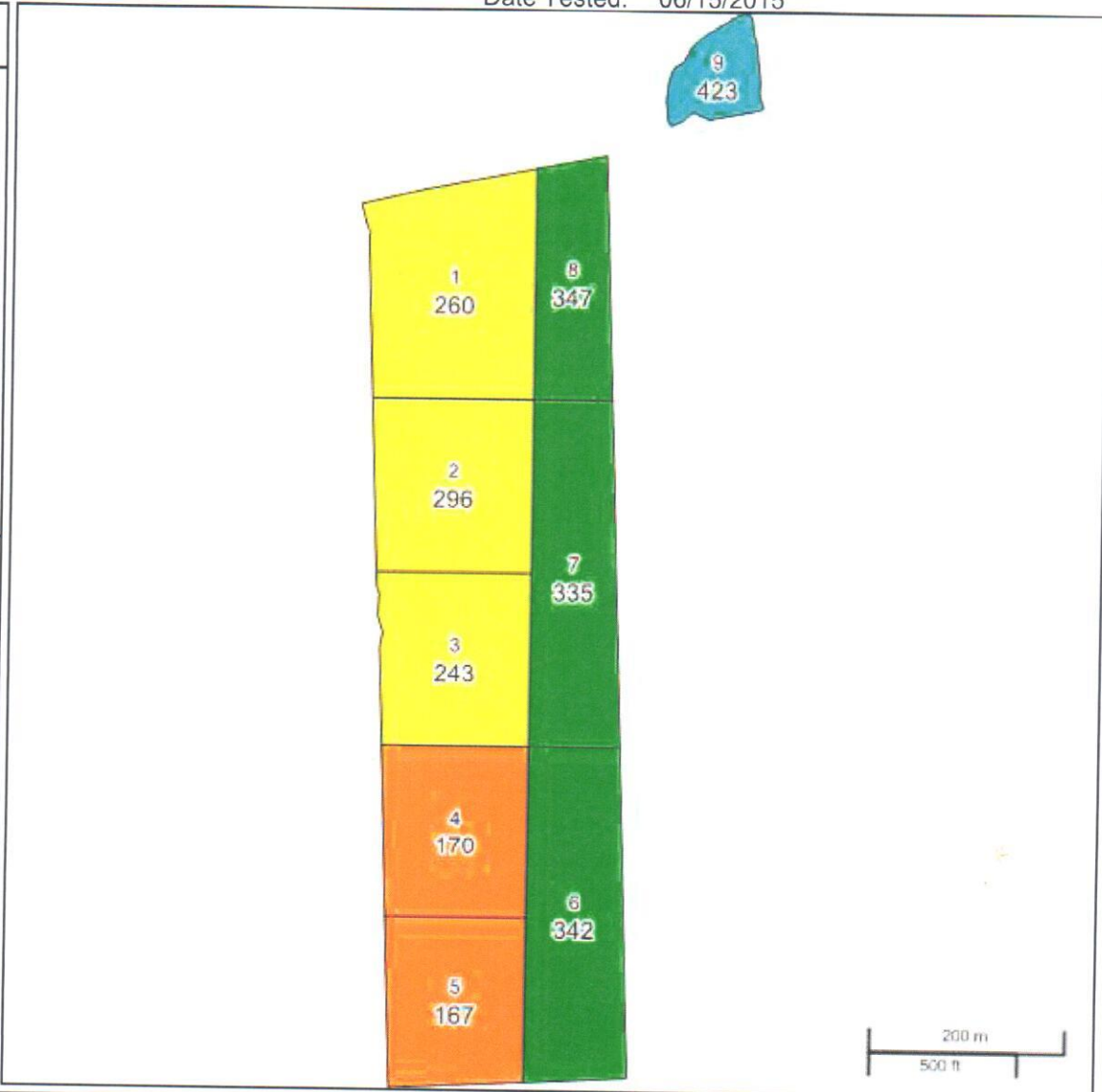
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 Range:
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Legend Potassium Results

■	<160 lbs/Ac Avg: Acres: 0.0
■	160 - 240 lbs/Ac Avg: 169 Acres: 7.0
■	240 - 320 lbs/Ac Avg: 266 Acres: 13.0
■	320 - 400 lbs/Ac Avg: 341 Acres: 11.6
■	400 - 480 lbs/Ac Avg: 423 Acres: 1.1
■	480 - 560 lbs/Ac Avg: Acres: 0.0
■	>560 lbs/Ac Avg: Acres: 0.0

Total Map Acres: 32.7

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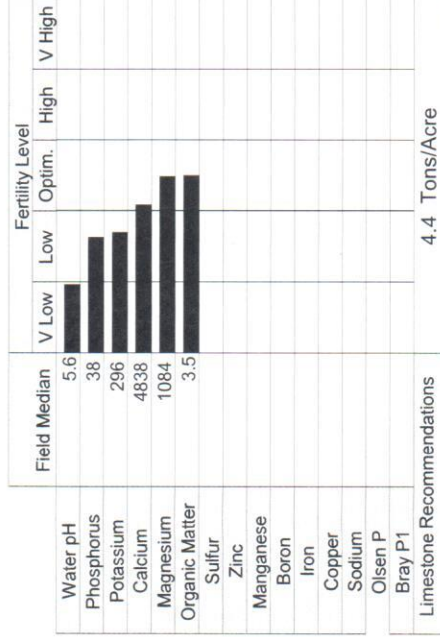


LABORATORY ANALYSIS AND RECOMMENDATION REPORT

Special Report For: Mike Schuldt
Samples Submitted by: Jamie Russell
Gilman Fertilizer Co Inc
108 S Main
PO Box 65
Gilman, IL 60938-0065

Order No: 302067
Client ID: 6572
Report Date: 06/15/2015
Farm Name: Clark Farm
Field Name: West E Patch
Field Acres: 32.68

Sample	Water pH	Buffer pH	Pounds Per Acre				Parts Per Million				ds/m	PPM		Lbs/Ac		Percent Saturation				meq/100g
			Phosphorus*	Potassium	Calcium	Magnesium	Percent Organic Matter	Sulfur	Zinc	Manganese		NO3-N	Total	Bray P2	Olsen P	Ca	Mg	K	H	
1	6.0	6.5	31	260	5454	1084	3.9									59.1	19.6	1.4	19.6	23.1
2	6.1	6.6	33	296	5970	1202	3.8									60.0	20.1	1.5	18.0	24.9
3	6.0	6.5	21	243	4896	1163	3.8									56.1	22.2	1.4	19.8	21.8
4	5.6	6.3	34	170	3024	508	3.4									54.4	15.2	1.6	28.2	13.9
5	5.1	6.1	38	167	3374	663	3.5									46.1	15.1	1.2	37.2	18.3
6	5.5	6.2	38	342	4474	1116	3.4									48.2	20.0	1.9	29.4	23.2
7	6.1	6.7	38	335	5294	1646	3.5									53.1	27.5	1.7	17.2	24.9
8	5.6	6.2	64	347	4838	784	3.6									54.8	14.8	2.0	28.0	22.1
9	5.1	6.3	106	423	2232	209	2.2									49.1	7.7	4.8	37.8	11.4
Field Median	5.6	6.3	38	296	4838	1084	3.5									54.4	19.6	1.6	28.0	22.1



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

Previous Crop: Corn Grain

Optimum Ranges:
Water pH: 6.3 - 6.8
Phosphorus: 45 - 75
Potassium: 320 - 400

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

Fertilizer Recommendations are in Pounds per Acre

Intended Crop	Corn Grain	Soybean	Corn Grain	Soybean
Yield Goal	200 Bu/Ac	60 Bu/Ac	200 Bu/Ac	60 Bu/Ac
Build-up	$N - P_2O_5 - K_2O$	$N - P_2O_5 - K_2O$	$N - P_2O_5 - K_2O$	$N - P_2O_5 - K_2O$
Crop Removal: IL	0 - 32 - 24	0 - 32 - 24	0 - 32 - 24	0 - 32 - 24
	240 - 86 - 56	0 - 50 - 78	240 - 86 - 56	0 - 50 - 78
**TOTAL REQUIRED	240 - 118 - 80	0 - 82 - 102	240 - 118 - 80	0 - 82 - 102
Credits: High Fertility	0 - 0 - 0	0 - 0 - 0	0 - 0 - 0	0 - 0 - 0
**ADJUSTED RECOMMENDATIONS	240 - 118 - 80	0 - 82 - 102	240 - 118 - 80	0 - 82 - 102

Adjust Nitrogen Recommendations for Previous Crop or other N Sources.

VRT Low Approx 79 Tons
250 lbs 18-46-0 1250 lbs 0-0-60

SGS North America Inc.

1511 E Main Street PO Box 175 Belleville, IL 62221 t (618) 233-0445 f (618) 233-7292
117 E Main Street PO Box 540 Toulon, IL 61483 t (309) 286-2761 f (309) 286-6251
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