

Tracts

1, 2, 3, 4, 5, 6,
7, 8, 12, 13 &
14

Mowers Soil Testing Plus, Inc.

Toulon, IL 61483-0540
(309)286-2761

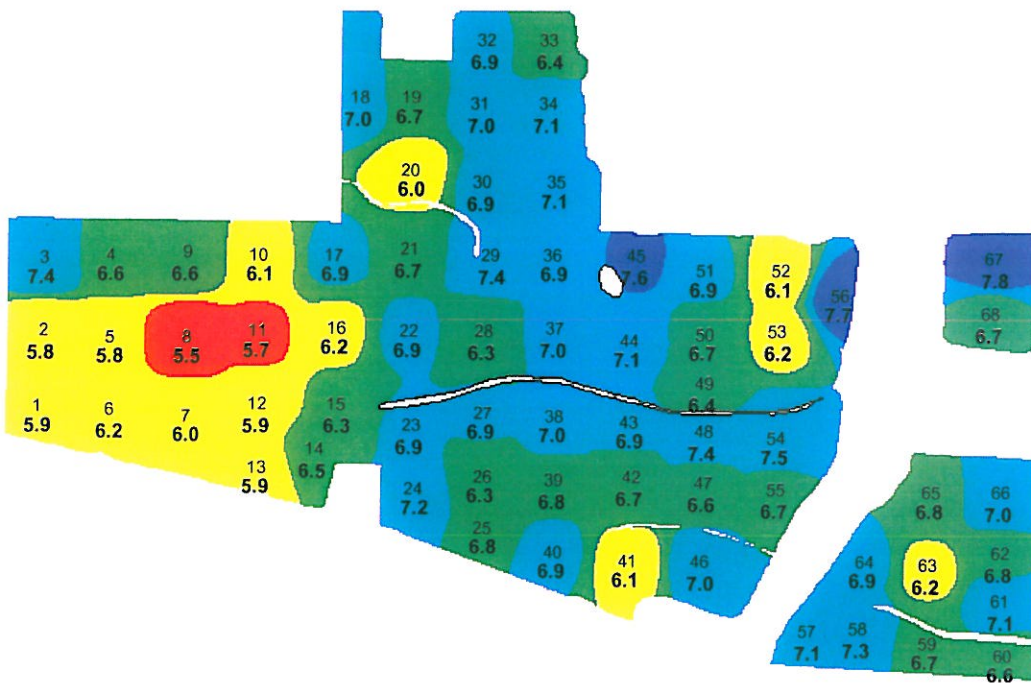
Customer: Craig Johnson
Field: NE_07 (#26668)
Description: Gustafson Farm_NE
Acres: 281.2
of Samples: 68

County: Boone
Township: Spring
Range: 4E
Section: 16,17,20,
Date Tested: 11/02/2007
1 inch = 1142 feet

Water pH Results

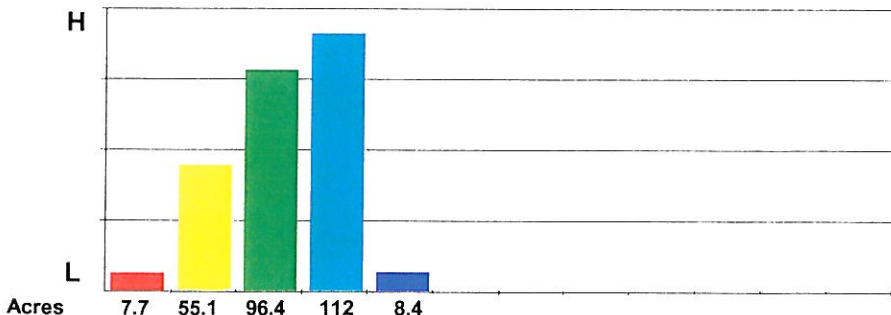
Legend

- < 5.8 Deficient
- 5.8 - 6.3 Low
- 6.3 - 6.8 Optimum
- 6.8 - 7.5 High
- > 7.5 Excessive

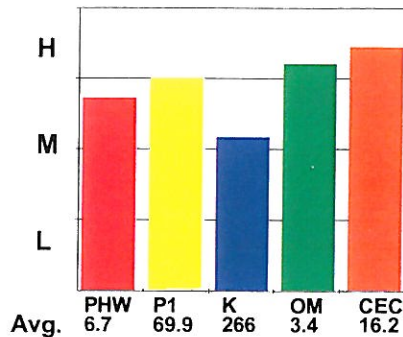


Latitude: 42.2116
Longitude: 88.7976
Grid Size: 440nsX440ew

BREAKDOWN OF FIELD ACRES



FIELD NUTRIENT SUMMARY



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Description: Gustafson Farm_NE
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of Samples: 68

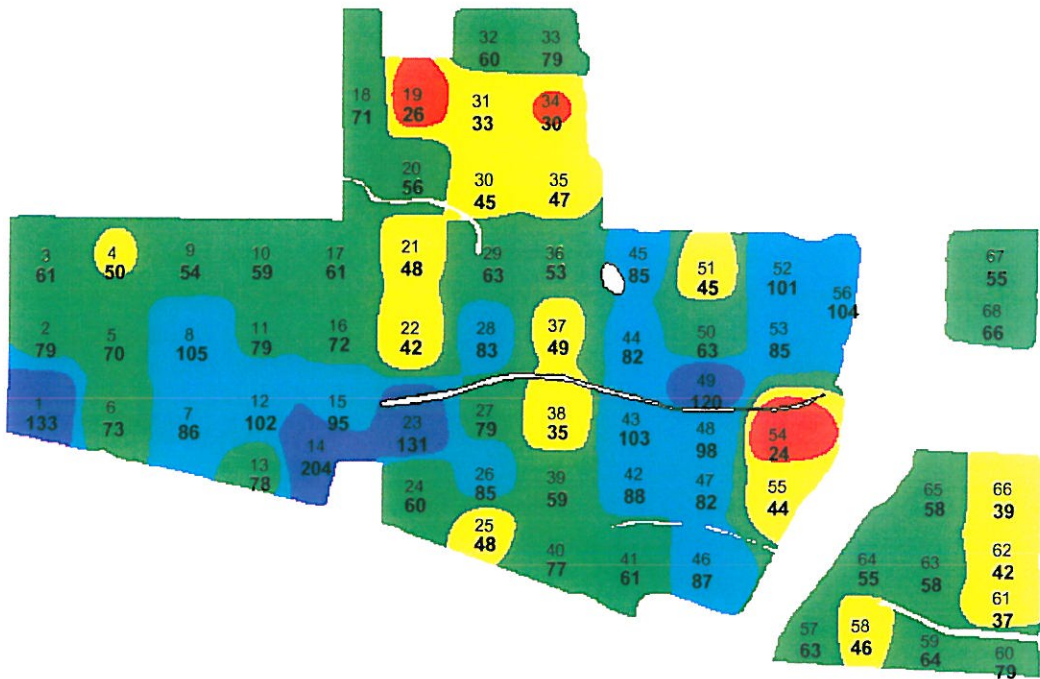
County: Boone
Township: Spring
Range: 4E
Section: 16,17,20,
Date Tested: 11/02/2007

Phosphorus Results - Lbs/A

1 inch = 1142 feet

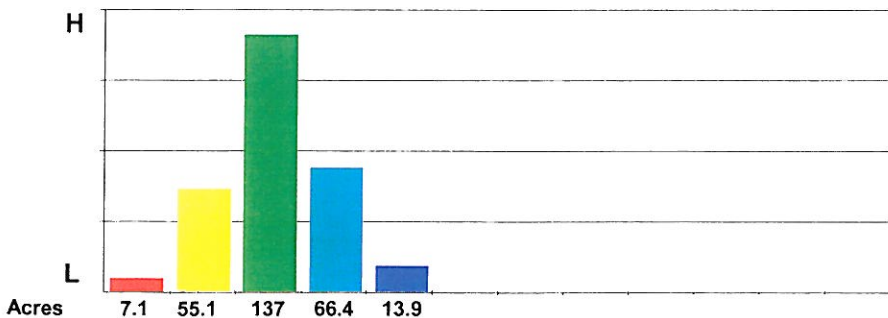
Legend

- < 30 Deficient
- 30 - 50 Low
- 50 - 80 Optimum
- 80 - 110 High
- > 110 Excessive

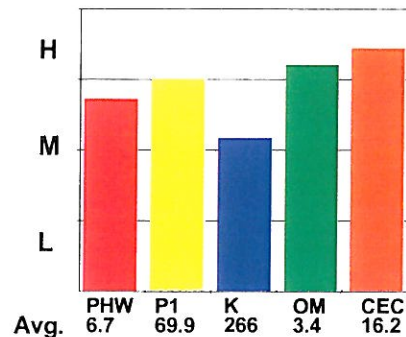


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Grid Size: 440nsX440ew

BREAKDOWN OF FIELD ACRES



FIELD NUTRIENT SUMMARY



Mowers Soil Testing Plus, Inc.

Toulon, IL 61483-0540

(309)286-2761

Customer: Craig Johnson

Field: NE_07 (#26668)

Description: Gustafson Farm_NE

Acres: 281.2

of Samples: 68

Potassium Results - Lbs/A

County: Boone

Township: Spring

Range: 4E

Section: 16,17,20,

Date Tested: 11/02/2007

1 inch = 1142 feet

Legend

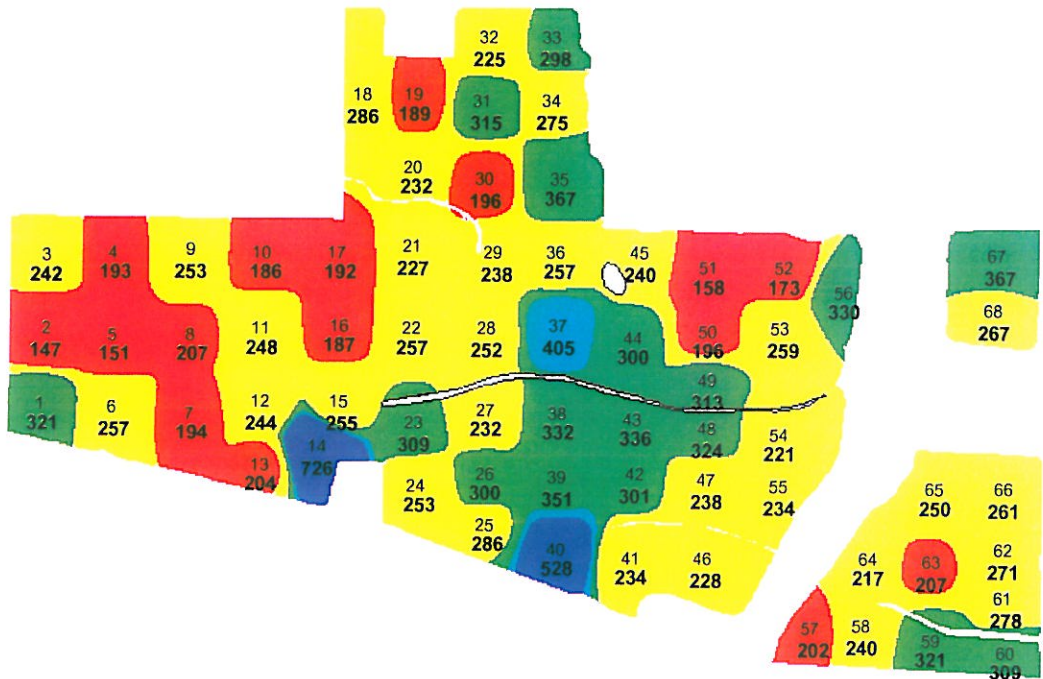
< 210 Deficient

210 - 290 Low

290 - 370 Optimum

370 - 450 High

> 450 Excessive

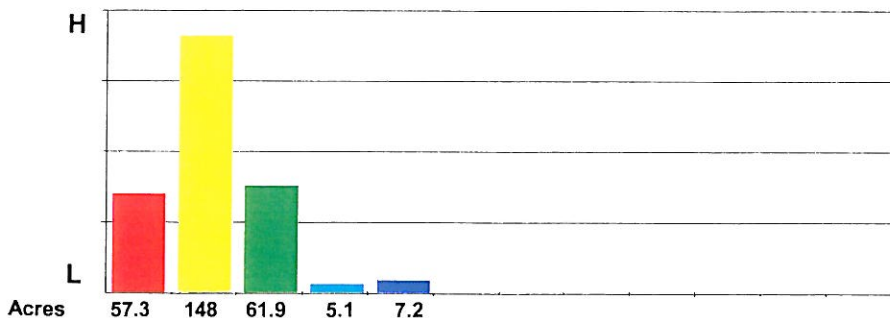


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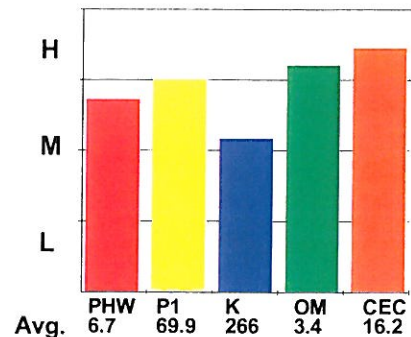
Longitude: 88.7976

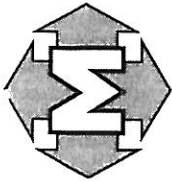
Grid Size: 440nsX440ew

BREAKDOWN OF FIELD ACRES



FIELD NUTRIENT SUMMARY





MOWERS
Soil Testing Plus, Inc.
117 E. Main St.
P. O. Box 540
Toulon, IL 61483-0540
(309) 286-2761
(800) 354-8197
Fax (309) 286-6251

LABORATORY ANALYSIS AND RECOMMENDATION REPORT

Special Report For: Craig Johnson
Samples Submitted by: Craig Johnson
K-B Farms Inc
600 S State St Suite 300
Belvidere, IL 61008-4322

Order No: 213589
Client ID: 2584
Report Date: 11/21/2007
Farm Name: Gustafson Farm
Field Name: NE
Field Acres: 281.2

Sample	Water pH	Buffer pH	Phos-phorus	Pounds Per Acre			Parts per Million				Percent Saturation				mg/100g			
				Potassium	Calcium	Magnesium	Percent Organic Matter	Sulfur	Zinc	Manganese	Boron	Iron	Copper	Sodium		Soluble Salts	Ca	Mg
1	5.9	6.4	133	321	4747	1134	4.9							53.8	21.4	1.9	22.9	22.1
2	5.8	6.4	79	147	2723	713	3.9							52.6	22.9	1.5	23.0	12.9
3	7.4	7.5	61	242	5318	1782	4.1							63.2	35.3	1.5	0.0	21.0
4	6.6	7.0	50	193	4986	1524	4.6							59.8	30.5	1.2	8.5	20.8
5	5.8	6.3	70	151	3864	952	4.8							52.4	21.5	1.0	25.0	18.4
6	6.2	6.6	73	257	4968	1222	4.9							58.9	24.2	1.6	15.3	21.1
7	6.0	6.5	86	194	3275	882	3.6							54.4	24.4	1.7	19.5	15.1
8	5.5	6.2	105	207	2852	718	3.3							48.7	20.4	1.8	29.1	14.6
9	6.6	7.1	54	253	6458	1851	3.9							61.7	29.5	1.2	7.5	26.2
10	6.1	6.7	59	186	3091	844	3.0							55.4	25.2	1.7	17.8	14.0
11	5.7	6.4	79	248	2870	640	2.8							52.2	19.4	2.3	26.1	13.8
12	5.9	6.6	102	244	2907	732	2.9							53.7	22.5	2.3	21.4	13.5
13	5.9	6.5	78	204	3606	1039	3.7							51.4	24.7	1.5	22.4	17.5
14	6.5	7.1	204	726	3202	749	3.5							59.3	23.1	6.9	10.8	13.5
15	6.3	6.8	95	255	2962	920	3.7							55.4	28.7	2.4	13.5	13.4
16	6.2	6.7	72	187	3349	1003	3.6							54.8	27.3	1.6	16.3	15.3
17	6.9	7.5	61	192	3146	1011	3.0							62.1	33.2	1.9	2.8	12.7
18	7.0	7.5	71	286	3036	1017	3.3							62.1	34.6	3.0	.3	12.2
19	6.7	7.4	26	189	2834	988	2.4							58.2	33.8	2.0	6.0	12.2
20	6.0	6.6	56	232	3588	1013	3.8							52.6	24.7	1.7	20.9	17.1
21	6.7	7.4	48	227	3073	1066	2.5							58.5	33.8	2.2	5.4	13.1
22	6.9	7.4	42	257	4526	1455	3.6							62.7	33.6	1.8	1.8	18.0
23	6.9	7.5	131	309	3864	1284	3.3							62.0	34.4	2.5	1.1	15.6
24	7.2	7.5	60	253	3091	880	3.0							65.9	31.3	2.8	0.0	11.7
25	6.8	7.4	48	286	3349	1081	3.1							60.5	32.5	2.6	4.3	13.8
26	6.3	6.8	85	300	3772	1049	3.6							56.8	26.3	2.3	14.5	16.6
27	6.9	7.5	79	232	3827	1245	3.0							61.7	33.4	1.9	2.9	15.5
28	6.3	6.7	83	252	5428	1473	5.1							58.5	26.4	1.4	13.7	23.2
29	7.4	7.5	63	238	5042	1505	4.8							65.7	32.7	1.6	0.0	19.2
30	6.9	7.5	45	196	2944	946	3.3							62.2	33.3	2.1	2.3	11.8
31	7.0	7.5	33	315	3938	1224	2.8							63.7	33.0	2.6	.7	15.5
32	6.9	7.5	60	225	2870	950	2.4							61.8	34.1	2.5	1.7	11.6
33	6.4	6.9	79	298	4011	1045	3.6							60.0	26.1	2.3	11.7	16.7
34	7.1	7.5	30	275	3625	1188	2.6							63.1	34.5	2.5	0.0	14.4
35	7.1	7.5	47	367	3735	1275	2.4							61.8	35.1	3.1	0.0	15.1
36	6.9	7.5	53	257	2594	768	2.5							63.6	31.3	3.2	1.9	10.2



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LABORATORY ANALYSIS AND RECOMMENDATION REPORT

Special Report For: Craig Johnson
Samples Submitted by: Craig Johnson
K-B Farms Inc
600 S State St Suite 300
Belvidere, IL 61008-4322

Order No: 213589
Client ID: 2584
Report Date: 11/21/2007
Farm Name: Gustafson Farm
Field Name: NE
Field Acres: 281.2

Sample	Water pH	Buffer pH	Phosphorus	Pounds Per Acre				Percent Organic Matter	Parts per Million					Percent Saturation			meq/100g	
				Potassium	Calcium	Magnesium	Sulfur		Zinc	Manganese	Boron	Iron	Copper	Sodium	Soluble Salts	Ca	Mg	K
37	7.0	7.5	49	405	3974	1279	3.0							62.8	33.7	3.3	.3	15.8
38	7.0	7.5	35	332	3257	1058	2.5							62.2	33.7	3.3	.9	13.1
39	6.8	7.4	59	351	2797	927	2.8							59.4	32.8	3.8	4.0	11.8
40	6.9	7.5	77	528	4103	1381	3.0							60.1	33.7	4.0	2.2	17.1
41	6.1	6.8	61	234	2576	768	2.5							53.3	26.5	2.5	17.8	12.1
42	6.7	7.4	88	301	2797	809	2.5							61.7	29.8	3.4	5.1	11.3
43	6.9	7.4	103	336	4986	1398	3.6							64.6	30.2	2.2	2.9	19.3
44	7.1	7.5	82	300	2981	980	2.6							62.5	34.3	3.2	0.0	11.9
45	7.6	7.5	85	240	3974	1003	3.0							68.9	29.0	2.1	0.0	14.4
46	7.0	7.5	87	228	2815	802	2.5							65.9	31.3	2.7	0.0	10.7
47	6.6	7.3	82	238	2613	783	2.4							59.0	29.5	2.8	8.8	11.1
48	7.4	7.5	98	324	4563	1300	3.3							66.2	31.4	2.4	0.0	17.2
49	6.4	6.9	120	313	5741	1545	3.9							60.1	27.0	1.7	11.3	23.9
50	6.7	7.4	63	196	3386	906	2.5							63.7	28.4	1.9	5.9	13.3
51	6.9	7.3	45	158	2834	790	5.6							66.2	30.8	1.9	1.1	10.7
52	6.1	6.6	101	173	4674	912	4.3							60.4	19.7	1.1	18.8	19.3
53	6.2	6.7	85	259	6256	1545	4.4							58.9	24.2	1.3	15.6	26.6
54	7.5	7.5	24	221	6550	1799	4.8							67.8	31.0	1.2	0.0	24.2
55	6.7	7.2	44	234	3735	935	3.6							64.4	26.9	2.1	6.7	14.5
56	7.7	7.5	104	330	10506	1227	4.2							82.6	16.1	1.3	0.0	31.8
57	7.1	7.5	63	202	6422	1634	4.1							69.4	29.4	1.1	0.0	23.1
58	7.3	7.5	46	240	6716	1826	4.3							68.0	30.8	1.2	0.0	24.7
59	6.7	7.2	64	321	6514	1644	4.4							65.4	27.5	1.7	5.5	24.9
60	6.6	7.1	79	309	5391	1330	3.9							64.2	26.4	1.9	7.5	21.0
61	7.1	7.5	37	278	4103	1262	3.0							64.6	33.1	2.2	0.0	15.9
62	6.8	7.5	42	271	2539	842	2.2							59.6	32.9	3.3	4.2	10.7
63	6.2	6.7	58	207	2907	762	3.6							57.7	25.2	2.1	15.0	12.6
64	6.9	7.4	55	217	5906	1484	4.2							68.3	28.6	1.3	1.8	21.6
65	6.8	7.4	58	250	3349	984	3.0							62.5	30.6	2.4	4.5	13.4
66	7.0	7.5	39	261	2576	726	2.5							65.7	30.9	3.4	0.0	9.8
67	7.8	7.5	55	367	3919	1070	2.3							66.5	30.3	3.2	0.0	14.7
68	6.7	7.4	66	267	2668	804	2.2							60.7	30.5	3.1	5.6	11.0
Field Median	6.8	7.4	62	252	3616	1028	3.3							61.7	30.2	2.1	4.4	14.9

MOWERS SOIL TESTING PLUS, INC.

Client ID: 2584
Prepared for: Craig Johnson

OrderID: 213589
FarmName: Gustafson Farm
FieldName: NE

BUILD-UP FERTILITY RECOMMENDATIONS TABLE

Below are the actual Phosphorus units (Lbs P2O5/Acre) and the actual Potassium (Lbs K2O/Acre) recommended for fertility build-up for each individual sample site. The amount shown should be applied each year for the next four years if you wish to spot fertilize the field on the basis of actual test results. A zero indicates no build-up fertility is needed because the soil test readings are at or above the recommended levels. The lime recommendation is the total limestone requirement over the four year program and may be applied in one or more applications.

Sample Number	Lime Tons/Acre	Phosphorus <i>Lbs(P₂O₅)/ Ac</i>	Potassium <i>Lbs(K₂O)/ Ac</i>	Notes
1	3.0	0	0	
2	2.3	0	143	
3	0.0	0	78	
4	0.0	1	127	
5	3.6	0	169	
6	0.8	0	63	
7	1.7	0	96	
8	3.5	0	83	
9	0.0	0	97	
10	1.3	0	104	
11	2.9	0	42	
12	2.0	0	46	
13	2.8	0	116	
14	0.0	0	0	
15	0.5	0	35	
16	1.1	0	103	
17	0.0	0	98	
18	0.0	0	4	
19	0.0	54	101	
20	2.4	0	88	
21	0.0	5	63	
22	0.0	18	63	
23	0.0	0	0	
24	0.0	0	37	
25	0.0	4	4	
26	0.6	0	20	
27	0.0	0	58	
28	0.4	0	68	
29	0.0	0	82	
30	0.0	11	94	
31	0.0	38	0	
32	0.0	0	65	
33	0.0	0	22	
34	0.0	44	15	
35	0.0	7	0	

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Below are the actual Phosphorus units (Lbs P2O5/Acre) and the actual Potassium (Lbs K2O/Acre) recommended for fertility build-up for each individual sample site. The amount shown should be applied each year for the next four years if you wish to spot fertilize the field on the basis of actual test results. A zero indicates no build-up fertility is needed because the soil test readings are at or above the recommended levels. The lime recommendation is the total limestone requirement over the four year program and may be applied in one or more applications.

Sample Number	Lime Tons/Acre	Phosphorus <i>Lbs(P₂O₅)/ Ac</i>	Potassium <i>Lbs(K₂O)/ Ac</i>	Notes
36	0.0	0	33	
37	0.0	2	0	
38	0.0	35	0	
39	0.0	0	0	
40	0.0	0	0	
41	1.3	0	56	
42	0.0	0	0	
43	0.0	0	0	
44	0.0	0	0	
45	0.0	0	50	
46	0.0	0	62	
47	0.0	0	52	
48	0.0	0	0	
49	0.0	0	7	
50	0.0	0	94	
51	0.0	11	132	
52	1.8	0	147	
53	0.9	0	91	
54	0.0	58	129	
55	0.0	14	56	
56	0.0	0	20	
57	0.0	0	118	
58	0.0	10	110	
59	0.0	0	29	
60	0.0	0	11	
61	0.0	29	12	
62	0.0	18	19	
63	0.8	0	83	
64	0.0	0	103	
65	0.0	0	40	
66	0.0	24	29	
67	0.0	0	0	
68	0.0	0	23	

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Sample Number	Lime Tons/Acre	Phosphorus <i>Lbs(P₂O₅)/ Ac</i>	Potassium <i>Lbs(K₂O)/ Ac</i>	Notes
Median	0.0	0	38	

Mowers Soil Testing Plus, Inc.

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Customer: Craig Johnson
Field: N40_07 (#26669)
Description: Gustafson Farm_North 40
Acres: 30.1
of Samples: 8

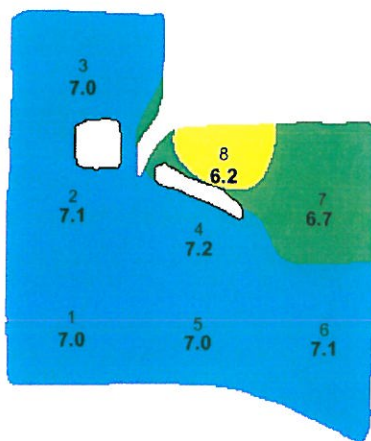
County: Boone
Township: Spring
Range: 4E
Section: 16,17,20,
Date Tested: 11/02/2007

1 inch = 660 feet

Water pH Results

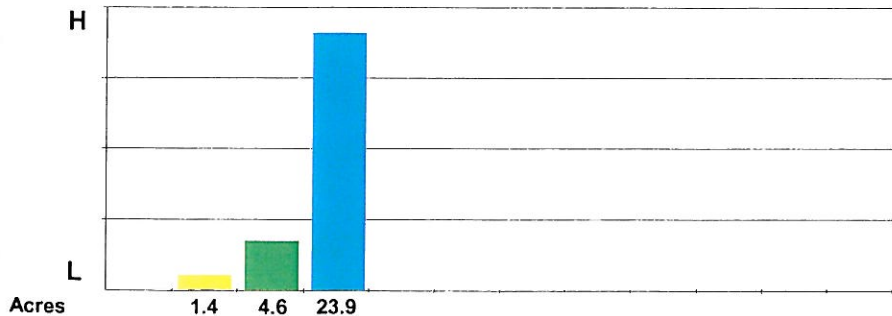
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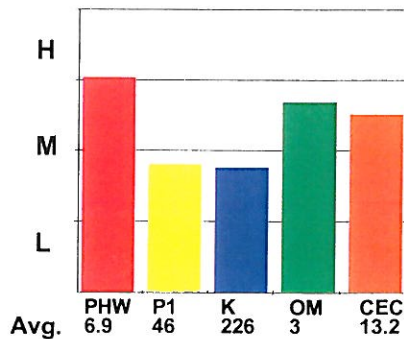


Latitude: 42.2144
Longitude: 88.7884
Grid Size: 440nsX440ew

BREAKDOWN OF FIELD ACRES



FIELD NUTRIENT SUMMARY



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Toulon, IL 61483-0540

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Customer: Craig Johnson
 Field: N40_07 (#26669)
 Description: Gustafson Farm_North 40
 Acres: 30.1
 # of Samples: 8

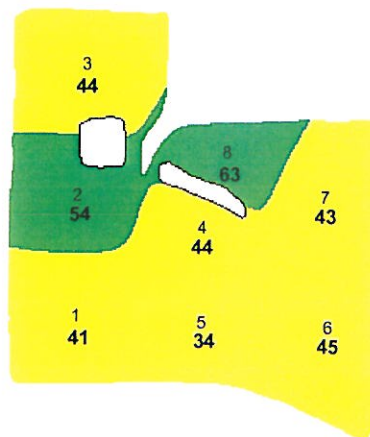
County: Boone
 Township: Spring
 Range: 4E
 Section: 16,17,20,
 Date Tested: 11/02/2007

Phosphorus Results - Lbs/A

1 inch = 660 feet

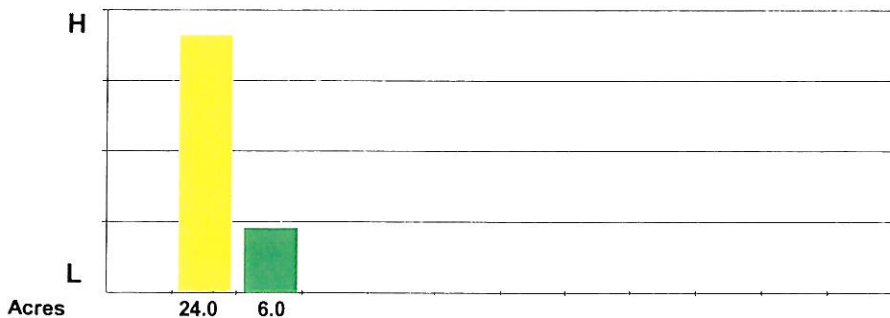
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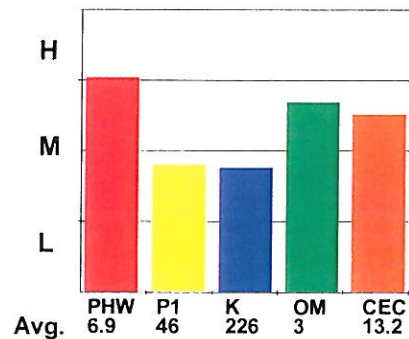


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of Samples: 8

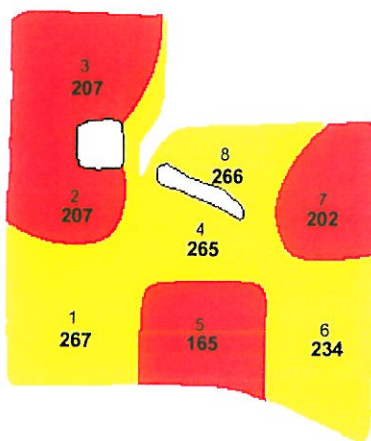
County: Boone
Township: Spring
Range: 4E
Section: 16,17,20,
Date Tested: 11/02/2007

Potassium Results - Lbs/A

1 inch = 660 feet

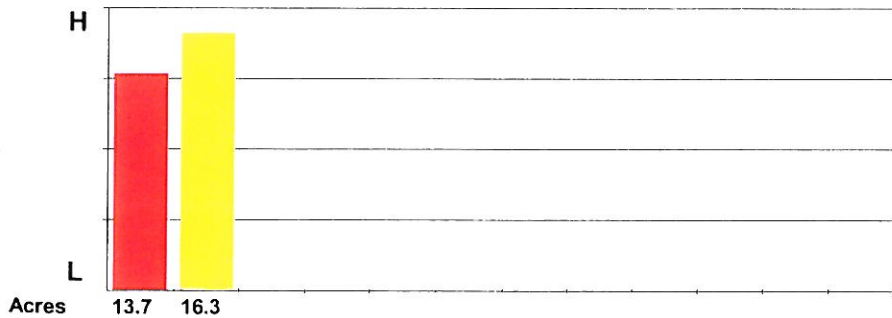
Legend

- < 210 Deficient
- 210 - 290 Low
- 290 - 370 Optimum
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- > 450 Excessive

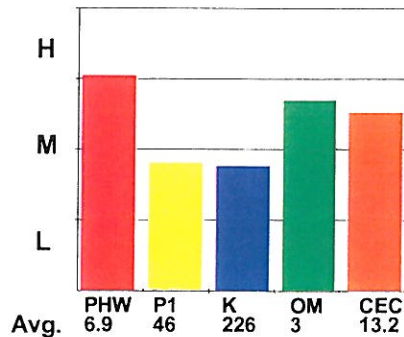


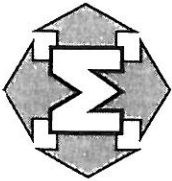
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Grid Size: 440nsX440ew

BREAKDOWN OF FIELD ACRES



FIELD NUTRIENT SUMMARY





MOWERS
 Soil Testing Plus, Inc.
 117 E. Main St.
 P.O. Box 540
 Toulon, IL 61483-0540
 (309) 286-2761
 (800) 354-8197
 Fax (309) 286-6251

LABORATORY ANALYSIS AND RECOMMENDATION REPORT

Special Report For: Craig Johnson
 Samples Submitted by: Craig Johnson
 K-B Farms Inc
 600 S State St Suite 300
 Belvidere, IL 61008-4322

Order No: 213589
 Client ID: 2584
 Report Date: 11/21/2007
 Farm Name: Gustafson Farm
 Field Name: North 40
 Field Acres: 30.1

Sample	Water pH	Buffer pH	Phosphorus	Pounds Per Acre			Percent Organic Matter	Parts per Million							dS/m Soluble Salts	Percent Saturation			meq/100g CEC
				Potassium	Calcium	Magnesium		Sulfur	Zinc	Manganese	Boron	Iron	Copper	Sodium		Ca	Mg	K	
1	7.0	7.5	41	267	3606	1110	3.0								64.4	33.0	2.4	.1	14.0
2	7.1	7.5	54	207	3238	929	3.1								66.2	31.6	2.2	0.0	12.2
3	7.0	7.5	44	207	2962	954	2.5								63.5	34.1	2.3	.1	11.7
4	7.2	7.5	44	265	3073	980	2.4								63.5	33.7	2.8	0.0	12.1
5	7.0	7.5	34	165	2999	851	3.0								66.2	31.3	1.9	.6	11.3
6	7.1	7.5	45	234	4434	1283	3.5								66.3	31.9	1.8	0.0	16.7
7	6.7	7.3	43	202	2889	910	2.8								60.2	31.6	2.2	6.1	12.0
8	6.2	6.8	63	266	3551	931	3.4								56.6	24.7	2.2	16.5	15.7
Field Median	7.0	7.5	44	220	3156	942	3.0								64.0	31.8	2.2	.1	12.2

Field Median	Fertility Level					Fertilizer Recommendations in pounds per acre
	V Low	Low	Medium	High	V High	
Water pH	7.0					Intended Crop
Phosphorus	44					Yield Goal
Potassium	220					$N - P_2O_5 - K_2O$
Limestone Recommendations						$N - P_2O_5 - K_2O$
CONVERSIONS: PPM = Lbs./Acre / 2 or Lbs./Acre = PPM x 2						
Previous Crop None Specified Previous Yield: 0						
Optimum Ranges:						
Water pH: 6.3 - 6.8						
Phosphorus: 50.0 - 80.0						
Potassium: 290.0 - 370.0						
Build-up						
Crop Removal IL						
**TOTAL REQUIRED						
Credits:						
**ADJUSTED RECOMMENDATIONS						
Adjust Nitrogen Recommendations for Previous Crop or other N Sources.						

MOWERS SOIL TESTING PLUS, INC.

Client ID: 2584
 Prepared for: Craig Johnson

Order ID: 213589
 Farm Name: Gustafson Farm
 Field Name: North 40

GENERAL FIELD RECOMMENDATIONS

The General Fertility Recommendations are for a Four Year Program of fertility build-up and include crop removal requirements and credits for prior fertilizer plowed down. Also any credits for manure application or nitrogen carried over from prior legumes need to be subtracted. These Fertility Recommendations must be adjusted if your cropping plans or circumstances change (i.e. if crop residues are removed, different yield goals are desired, different crops are grown, etc.) When soil test levels are above the recommended levels, a credit is given at half crop removal for high levels and full crop removal for very high levels.

Use the worksheet below to keep track of your plans and actual results. Please call the Toulon Office at (309)286-2761 or (800)354-8197 if you have any questions. Any of our staff agronomists will be happy to assist you.

Intended Crop	Corn Grain 150 Bu/Ac	Soybean 50 Bu/Ac	Corn Grain 175 Bu/Ac	Soybean 60 Bu/Ac
Yield Goal				
	$N - P_2O_5 - K_2O$	$N - P_2O_5 - K_2O$	$N - P_2O_5 - K_2O$	$N - P_2O_5 - K_2O$
Build up (4 years)	0 - 14 - 69	0 - 14 - 69	0 - 14 - 69	0 - 14 - 69
Crop Removal	180 - 56 - 42	0 - 42 - 65	210 - 65 - 49	0 - 50 - 78
TOTAL REQUIRED	180 - 70 - 111	0 - 56 - 134	210 - 79 - 118	0 - 64 - 147
Credits: High Fertility	0 - 0 - 0	0 - 0 - 0	0 - 0 - 0	0 - 0 - 0
ADJUSTED RECOMMENDATION	180 - 70 - 111	0 - 56 - 134	210 - 79 - 118	0 - 64 - 147
Limestone Requirements: 0 Tons/Acre				

N recommendations are based on yield. To calculate the best economic N rate based on corn and N prices, go to this website: extension.agron.iastate.edu/soilfertility/nrate.aspx

All Fertility Recommendations are expressed as pounds (units) of actual nutrients per acre. Remember to give credits for the fertility value in manure, nitrogen in dry fertilizer and previous crops, and weed control carriers.

RECORDS OF ACTUAL FERTILITY APPLIED

Year	Actual Crop	Actual Yield	Lime Tons/Ac	Nitrogen Lbs/Acre	Phosphorus Lbs/Acre	Potassium Lbs/Acre

MOWERS SOIL TESTING PLUS, INC.

Client ID: 2584
Prepared for: Craig Johnson

OrderID: 213589
FarmName: Gustafson Farm
FieldName: North 40

BUILD-UP FERTILITY RECOMMENDATIONS TABLE

Below are the actual Phosphorus units (Lbs P2O5/Acre) and the actual Potassium (Lbs K2O/Acre) recommended for fertility build-up for each individual sample site. The amount shown should be applied each year for the next four years if you wish to spot fertilize the field on the basis of actual test results. A zero indicates no build-up fertility is needed because the soil test readings are at or above the recommended levels. The lime recommendation is the total limestone requirement over the four year program and may be applied in one or more applications.

Sample Number	Lime Tons/Acre	Phosphorus <i>Lbs(P₂O₅)/ Ac</i>	Potassium <i>Lbs(K₂O)/ Ac</i>	Notes
1	0.0	20	23	
2	0.0	0	83	
3	0.0	15	83	
4	0.0	13	25	
5	0.0	36	125	
6	0.0	11	86	
7	0.0	16	88	
8	1.1	0	24	
Median	0.0	14	69	

Mowers Soil Testing Plus, Inc.

Toulon, IL 61483-0540
(309)286-2761

Customer: Craig Johnson
Field: NW_07 (#26670)
Description: Gustafson Farm_NW
Acres: 135.7
of Samples: 34

County: Boone
Township: Spring
Range: 4E
Section: 16,17,20,
Date Tested: 11/02/2007

1 inch = 733 feet

Water pH Results

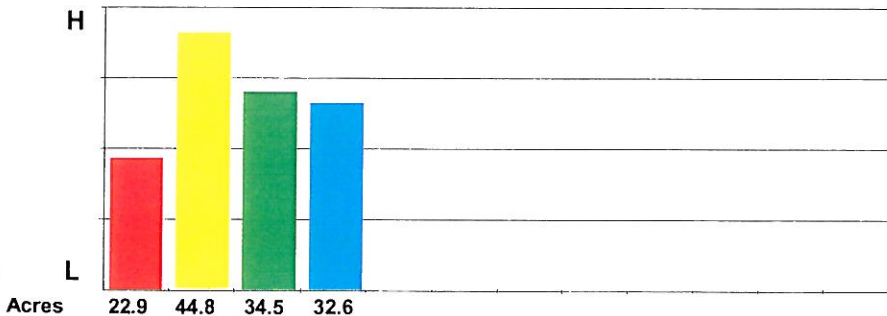
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- < 5.8 Deficient
- 5.8 - 6.3 Low
- 6.3 - 6.8 Optimum
- 6.8 - 7.5 High
- > 7.5 Excessive

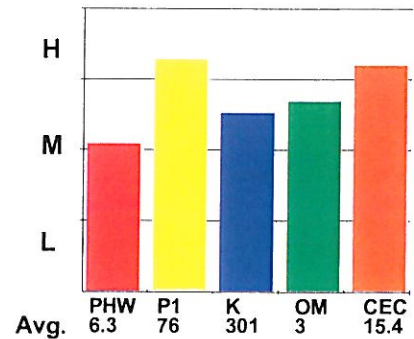


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Longitude: 88.8043
Grid Size: 440nsX440ew

BREAKDOWN OF FIELD ACRES



FIELD NUTRIENT SUMMARY



Mowers Soil Testing Plus, Inc.

Toulon, IL 61483-0540

(309)286-2761

Customer: Craig Johnson
 Field: NW_07 (#26670)
 Description: Gustafson Farm_NW
 Acres: 135.7
 # of Samples: 34

County: Boone
 Township: Spring
 Range: 4E
 Section: 16,17,20,
 Date Tested: 11/02/2007

Phosphorus Results - Lbs/A

1 inch = 733 feet

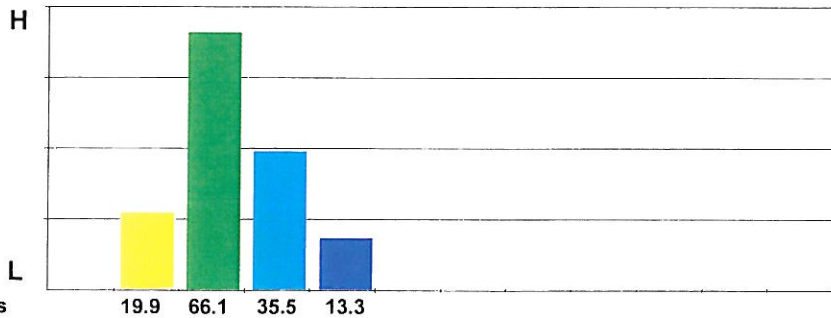
Legend

- < 30 Deficient
- 30 - 50 Low
- 50 - 80 Optimum
- 80 - 110 High
- > 110 Excessive

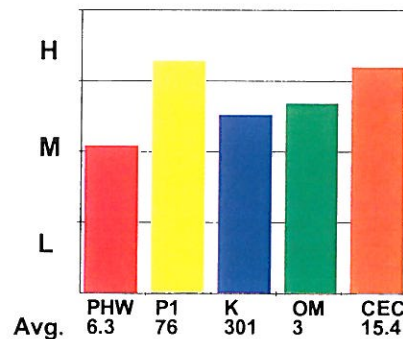


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 Longitude: 88.8043
 Grid Size: 440nsX440ew

BREAKDOWN OF FIELD ACRES



FIELD NUTRIENT SUMMARY



Mowers Soil Testing Plus, Inc.

Toulon, IL 61483-0540

(309)286-2761

Customer: Craig Johnson

Field: NW_07 (#26670)

Description: Gustafson Farm_NW

Acres: 135.7

of Samples: 34

Potassium Results - Lbs/A

County: Boone

Township: Spring

Range: 4E

Section: 16,17,20,

Date Tested: 11/02/2007

1 inch = 733 feet

Legend

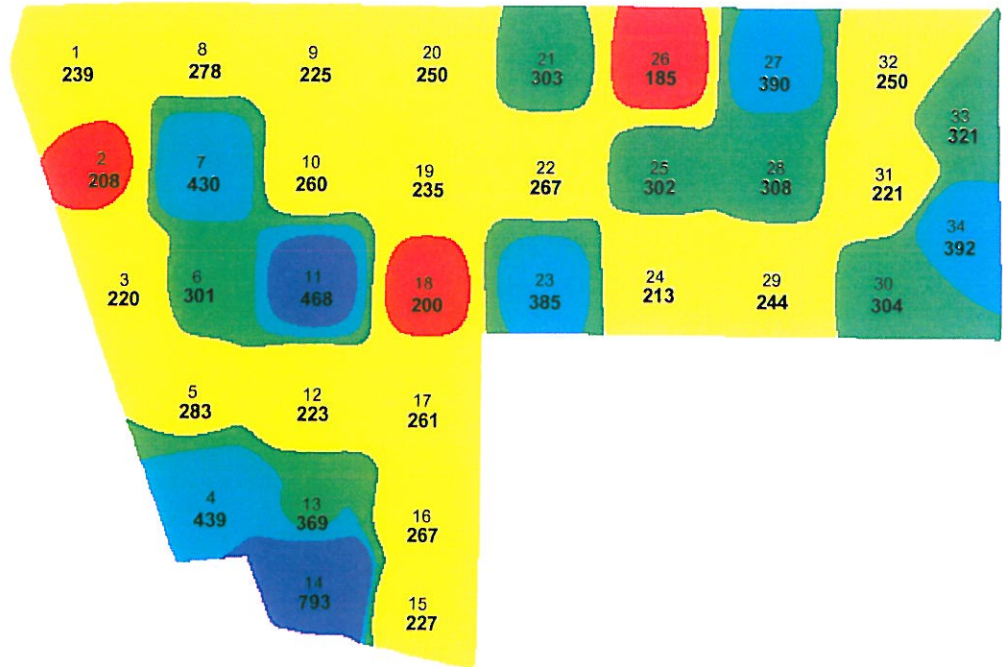
< 210 Deficient

210 - 290 Low

290 - 370 Optimum

370 - 450 High

> 450 Excessive

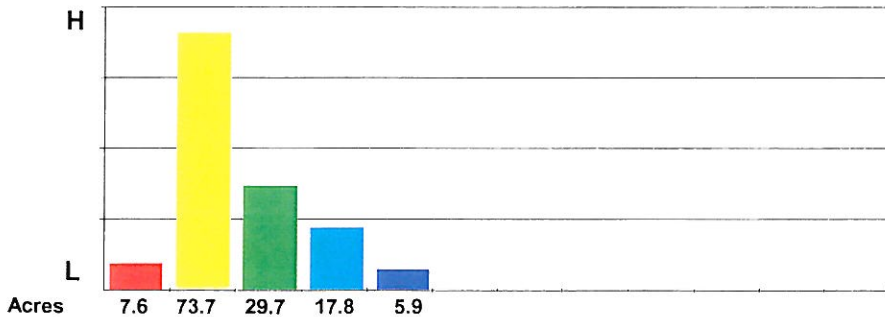


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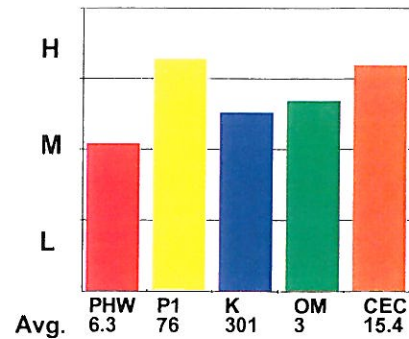
Longitude: 88.8043

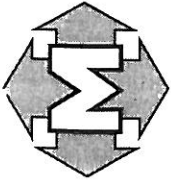
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BREAKDOWN OF FIELD ACRES



FIELD NUTRIENT SUMMARY





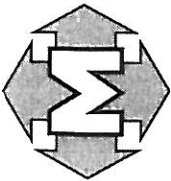
MOWERS
Soil Testing Plus, Inc.
117 E. Main St.
P.O. Box 540
Toulon, IL 61483-0540
(309) 286-2761
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Fax (309) 286-6251

LABORATORY ANALYSIS AND RECOMMENDATION REPORT

Special Report For: Craig Johnson
Samples Submitted by: Craig Johnson
K-B Farms Inc
600 S State St Suite 300
Belvidere, IL 61008-4322

Order No: 213589
Client ID: 2584
Report Date: 11/21/2007
Farm Name: Gustafson Farm
Field Name: NW
Field Acres: 135.7

Sample	Water pH	Buffer pH	Phos-phorus	Pounds Per Acre			Parts per Million					Percent Saturation				mg/100g			
				Potassium	Calcium	Mag-nesium	Percent Organic Matter	Sulfur	Zinc	Manganese	Boron	Iron	Copper	Sodium	dS/m Soluble Salts		Ca	Mg	K
1	6.6	7.2	100	239	3698	1176	3.3								58.7	31.1	1.9	8.3	15.8
2	6.6	7.2	61	208	3809	1286	3.2								58.1	32.7	1.6	7.6	16.4
3	6.7	7.4	45	220	2429	832	2.5								57.8	33.0	2.7	6.4	10.5
4	7.5	7.5	41	439	4214	1311	2.9								63.6	33.0	3.4	0.0	16.6
5	5.5	6.5	91	283	2778	631	3.2								48.8	18.5	2.5	30.2	14.2
6	7.2	7.5	39	301	3330	973	3.0								65.2	31.8	3.0	0.0	12.8
7	7.4	7.5	118	430	3367	1199	2.8								60.3	35.8	3.9	0.0	14.0
8	6.9	7.5	61	278	3036	933	2.5								63.3	32.4	3.0	1.3	12.0
9	7.5	7.5	36	225	3772	1303	2.6								62.2	35.8	1.9	0.0	15.1
10	6.2	6.8	50	260	2852	861	2.8								54.4	27.4	2.5	15.7	13.1
11	7.1	7.5	66	468	2870	834	2.3								63.8	30.9	5.3	0.0	11.3
12	6.1	6.8	77	223	2282	705	2.4								51.9	26.7	2.6	18.8	11.0
13	6.1	6.7	74	369	3404	832	3.0								55.9	22.8	3.1	18.3	15.2
14	6.7	7.3	78	793	4600	1271	3.2								61.2	28.2	5.4	5.2	18.8
15	6.1	6.8	55	227	2502	714	2.2								53.8	25.6	2.5	18.1	11.6
16	6.2	6.7	60	267	4784	1250	4.3								57.8	25.2	1.7	15.3	20.7
17	7.3	7.5	75	261	3809	1357	3.2								61.4	36.4	2.2	0.0	15.5
18	5.8	6.5	64	200	2061	481	2.6								52.4	20.4	2.6	24.6	9.8
19	5.7	6.4	69	235	2705	602	3.2								52.2	19.4	2.3	26.0	12.9
20	6.4	7.0	74	250	3128	779	3.0								59.9	24.9	2.5	12.8	13.1
21	5.3	6.3	134	303	1812	418	2.6								44.5	17.1	3.8	34.5	10.2
22	5.3	6.3	118	267	2576	572	2.8								46.1	17.1	2.5	34.4	14.0
23	6.1	6.6	72	385	4342	1176	3.6								54.5	24.6	2.5	18.5	19.9
24	6.3	6.7	59	213	6753	1820	4.8								58.6	26.3	.9	14.1	28.8
25	6.0	6.5	79	302	6017	1490	4.0								56.1	23.2	1.4	19.3	26.8
26	5.3	6.5	115	185	2226	519	2.4								46.3	18.0	2.0	33.7	12.0
27	7.0	7.5	105	390	4250	1182	2.8								66.2	30.7	3.1	0.0	16.1
28	5.8	6.4	94	308	5060	1294	3.6								52.1	22.2	1.6	24.0	24.3
29	6.5	7.0	48	244	6687	1919	4.2								59.4	28.8	1.1	10.7	27.7
30	6.1	6.8	96	304	2208	625	2.4								53.3	25.2	3.8	17.8	10.4
31	6.0	6.9	98	221	2539	768	2.3								51.2	25.8	2.3	20.7	12.4
32	7.0	7.5	38	250	4508	1505	3.0								63.1	35.1	1.8	0.0	17.9
33	5.8	6.7	93	321	2576	703	2.4								49.9	22.7	3.2	24.3	12.9
34	5.3	6.3	102	392	2006	443	2.6								45.4	16.7	4.5	33.4	11.1
Field Median	6.2	6.8	74	268	3230	896	2.8								57.0	26.1	2.5	15.5	14.0



MOWERS
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LABORATORY ANALYSIS AND RECOMMENDATION REPORT

Special Report For: Craig Johnson
 Order No: 213589
 Client ID: 2584
 Report Date: 11/21/2007
 Farm Name: Gustafson Farm
 Field Name: NW
 Field Acres: 135.7

Samples Submitted by: Craig Johnson
 K-B Farms Inc
 600 S State St Suite 300
 Belvidere, IL 61008-4322

Sample	Water pH	Buffer pH	Phosphorus	Pounds Per Acre				Percent Organic Matter	Parts per Million					meq/100g																																																																									
				Potassium	Calcium	Magnesium	Sulfur		Zinc	Manganese	Boron	Iron	Copper		Sodium	Soluble Salts	Percent Saturation	H	K	Mg	Ca	CEC																																																																	
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Limestone Recommendations	<table border="1"> <thead> <tr> <th colspan="4">Fertility Level</th> <th colspan="4">Fertilizer Recommendations in pounds per acre</th> </tr> <tr> <th>V</th> <th>Low</th> <th>Medium</th> <th>High</th> <th>V</th> <th>High</th> <th colspan="2"></th> </tr> </thead> <tbody> <tr> <td></td> <td>Low</td> <td>Medium</td> <td>High</td> <td>V</td> <td>High</td> <td colspan="2"></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td colspan="2"></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td colspan="2"></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td colspan="2"></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td colspan="2"></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td colspan="2"></td> </tr> </tbody> </table>																							Fertility Level				Fertilizer Recommendations in pounds per acre				V	Low	Medium	High	V	High				Low	Medium	High	V	High																																										
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**ADJUSTED RECOMMENDATIONS	N - P ₂ O ₅ - K ₂ O																																																																																						
Adjust Nitrogen Recommendations for Previous Crop or other N Sources.																																																																																							

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

Previous Crop Soybean Previous Yield: 0 Bu/Ac

Optimum Ranges:

Water pH: 6.3 - 6.8

Phosphorus: 50.0 - 80.0

Potassium: 290.0 - 370.0

MOWERS SOIL TESTING PLUS, INC.

Client ID: 2584
 Prepared for: Craig Johnson

Order ID: 213589
 Farm Name: Gustafson Farm
 Field Name: NW

GENERAL FIELD RECOMMENDATIONS

The General Fertility Recommendations are for a Four Year Program of fertility build-up and include crop removal requirements and credits for prior fertilizer plowed down. Also any credits for manure application or nitrogen carried over from prior legumes need to be subtracted. These Fertility Recommendations must be adjusted if your cropping plans or circumstances change (i.e. if crop residues are removed, different yield goals are desired, different crops are grown, etc.) When soil test levels are above the recommended levels, a credit is given at half crop removal for high levels and full crop removal for very high levels.

Use the worksheet below to keep track of your plans and actual results. Please call the Toulon Office at (309)286-2761 or (800)354-8197 if you have any questions. Any of our staff agronomists will be happy to assist you.

Intended Crop	Corn Grain	Soybean	Corn Grain	Soybean
Yield Goal	150 Bu/Ac	50 Bu/Ac	175 Bu/Ac	60 Bu/Ac
	$N - P_2O_5 - K_2O$	$N - P_2O_5 - K_2O$	$N - P_2O_5 - K_2O$	$N - P_2O_5 - K_2O$
Build up (4 years)	0 - 0 - 23	0 - 0 - 23	0 - 0 - 23	0 - 0 - 23
Crop Removal	180 - 56 - 42	0 - 42 - 65	210 - 65 - 49	0 - 50 - 78
TOTAL REQUIRED	180 - 56 - 65	0 - 42 - 88	210 - 65 - 72	0 - 50 - 101
Credits: High Fertility	0 - 0 - 0	0 - 0 - 0	0 - 0 - 0	0 - 0 - 0
ADJUSTED RECOMMENDATION	180 - 56 - 65	0 - 42 - 88	210 - 65 - 72	0 - 50 - 101
Limestone Requirements: 0.9 Tons/Acre				

N recommendations are based on yield. To calculate the best economic N rate based on corn and N prices, go to this website: extension.agron.iastate.edu/soilfertility/nrate.aspx

All Fertility Recommendations are expressed as pounds (units) of actual nutrients per acre. Remember to give credits for the fertility value in manure, nitrogen in dry fertilizer and previous crops, and weed control carriers.

RECORDS OF ACTUAL FERTILITY APPLIED

Year	Actual Crop	Actual Yield	Lime Tons/Ac	Nitrogen Lbs/Acre	Phosphorus Lbs/Acre	Potassium Lbs/Acre

MOWERS SOIL TESTING PLUS, INC.

Client ID: 2584
 Prepared for: Craig Johnson

OrderID: 213589
 FarmName: Gustafson Farm
 FieldName: NW

BUILD-UP FERTILITY RECOMMENDATIONS TABLE

Below are the actual Phosphorus units (Lbs P2O5/Acre) and the actual Potassium (Lbs K2O/Acre) recommended for fertility build-up for each individual sample site. The amount shown should be applied each year for the next four years if you wish to spot fertilize the field on the basis of actual test results. A zero indicates no build-up fertility is needed because the soil test readings are at or above the recommended levels. The lime recommendation is the total limestone requirement over the four year program and may be applied in one or more applications.

Sample Number	Lime Tons/Acre	Phosphorus <i>Lbs(P₂O₅)/ Ac</i>	Potassium <i>Lbs(K₂O)/ Ac</i>	Notes
1	0.0	0	51	
2	0.0	0	112	
3	0.0	12	70	
4	0.0	21	0	
5	3.7	0	7	
6	0.0	25	0	
7	0.0	0	0	
8	0.0	0	12	
9	0.0	32	65	
10	0.9	1	30	
11	0.0	0	0	
12	1.5	0	67	
13	1.4	0	0	
14	0.0	0	0	
15	1.4	0	63	
16	0.8	0	53	
17	0.0	0	29	
18	2.7	0	90	
19	2.9	0	55	
20	0.4	0	40	
21	4.6	0	0	
22	4.5	0	23	
23	1.7	0	0	
24	0.4	0	137	
25	2.1	0	48	
26	4.4	0	105	
27	0.0	0	0	
28	3.7	0	42	
29	0.0	4	106	
30	1.3	0	0	
31	1.9	0	69	
32	0.0	28	70	
33	2.6	0	0	
34	4.3	0	0	

MOWERS SOIL TESTING PLUS, INC.

Client ID: 2584
Prepared for: Craig Johnson

OrderID: 213589
FarmName: Gustafson Farm
FieldName: NW

BUILD-UP FERTILITY RECOMMENDATIONS TABLE

Below are the actual Phosphorus units (Lbs P₂O₅/Acre) and the actual Potassium (Lbs K₂O/Acre) recommended for fertility build-up for each individual sample site. The amount shown should be applied each year for the next four years if you wish to spot fertilize the field on the basis of actual test results. A zero indicates no build-up fertility is needed because the soil test readings are at or above the recommended levels. The lime recommendation is the total limestone requirement over the four year program and may be applied in one or more applications.

Sample Number	Lime Tons/Acre	Phosphorus <i>Lbs(P₂O₅)/ Ac</i>	Potassium <i>Lbs(K₂O)/ Ac</i>	Notes
Median	0.9	0	23	

MOWERS SOIL TESTING PLUS, INC.

Client ID: 2584
Prepared for: Craig Johnson

Order ID: 213589
Farm Name: Gustafson Farm
Field Name: NW

YOUR FERTILITY RECOMMENDATIONS OPTIONS

Adjust the limestone recommendations for your tillage practices.

Build-up phosphorus and potassium can be applied each year for four years or the total amount needed for build-up can be applied at one time (4 times the amount shown in the Build-up Fertility Recommendation Table for one year).

The Fertilizer Recommendations are based on yearly applications. If you fertilize for more than one crop at a time, simply add the Fertilizer Recommendations together for the years of these crops.

RETEST IN FOUR YEARS

Agronomist: _____

Sue Darcy

Mowers Soil Testing Plus, Inc.

Toulon, IL 61483-0540
(309)286-2761






Customer: Craig Johnson
Field: SoCrk_07 (#26672)
Description: Gustafson Farm_South of Creek
Acres: 86.9
of Samples: 20

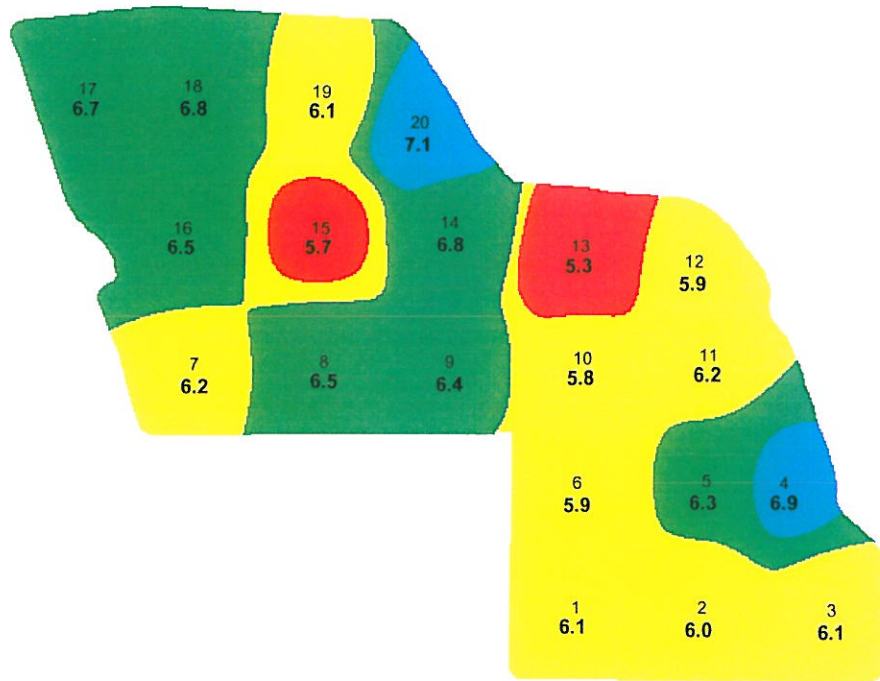
County: Boone
Township: Spring
Range: 4E
Section: 16,17,20,
Date Tested: 11/12/2007

1 inch = 660 feet

Water pH Results

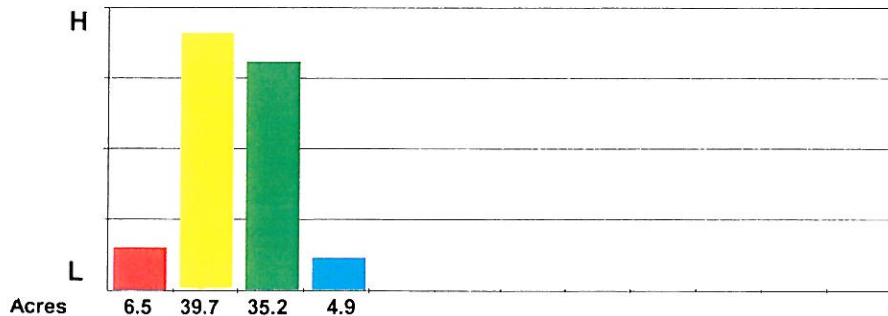
Legend

	< 5.8 Deficient
	5.8 - 6.3 Low
	6.3 - 6.8 Optimum
	6.8 - 7.5 High
	> 7.5 Excessive

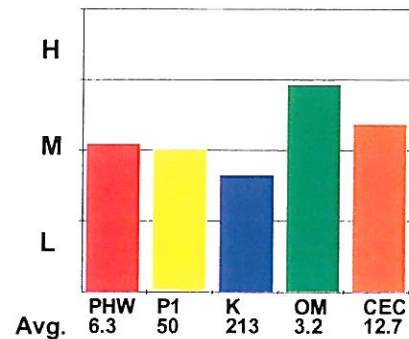


Latitude: 42.2026
Longitude: 88.8012
Grid Size: 440nsX440ew

BREAKDOWN OF FIELD ACRES



FIELD NUTRIENT SUMMARY



Mowers Soil Testing Plus, Inc.

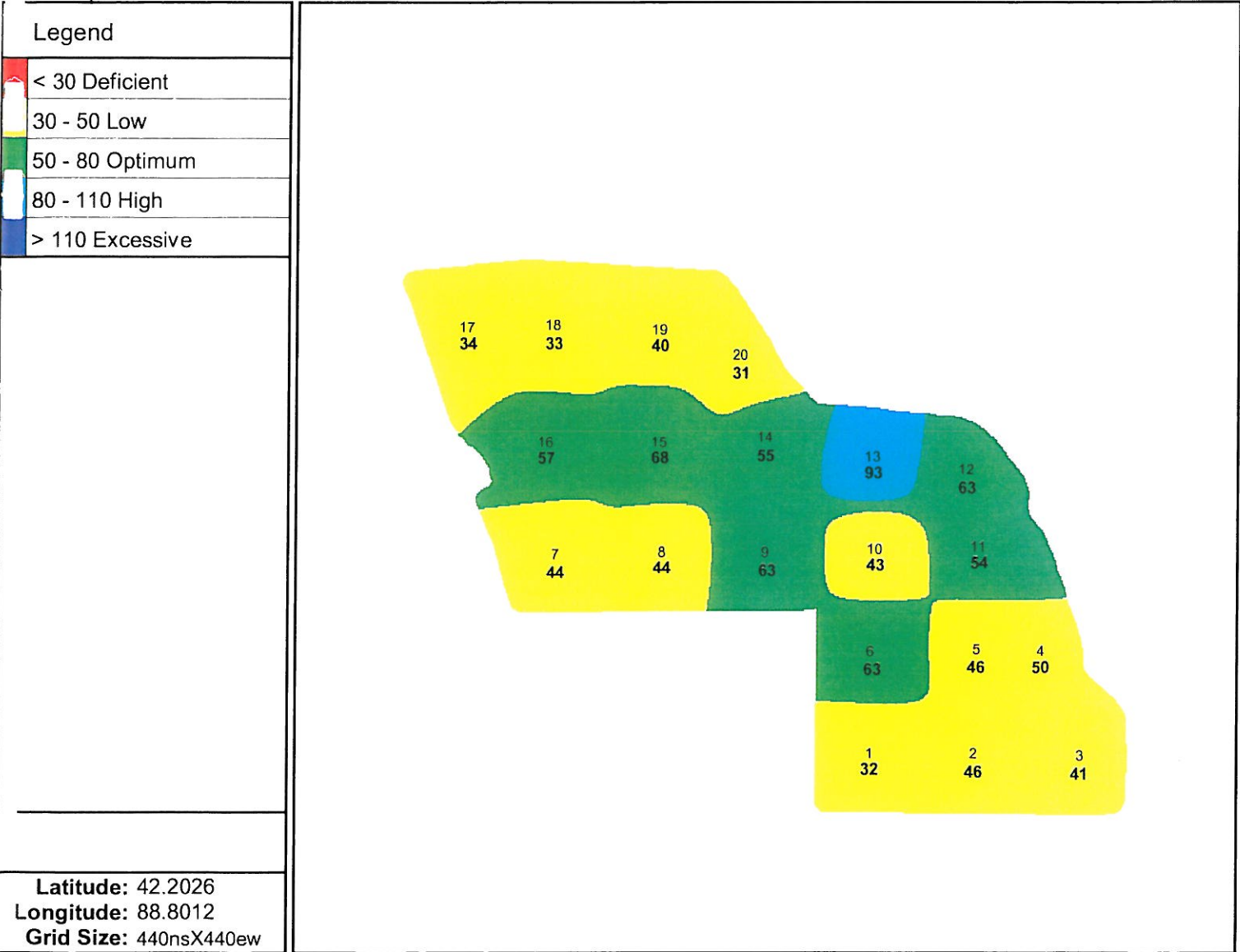
Toulon, IL 61483-0540
(309)286-2761

Customer: Craig Johnson
Field: SoCrk_07 (#26672)
Description: Gustafson Farm_South of Creek
Acres: 86.9
of Samples: 20

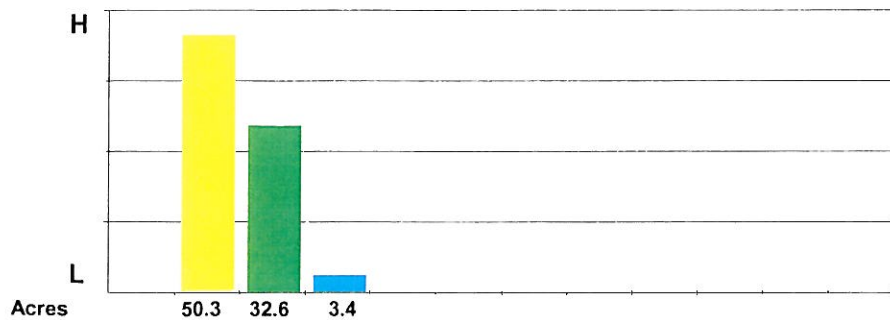
County: Boone
Township: Spring
Range: 4E
Section: 16,17,20,
Date Tested: 11/12/2007

Phosphorus Results - Lbs/A

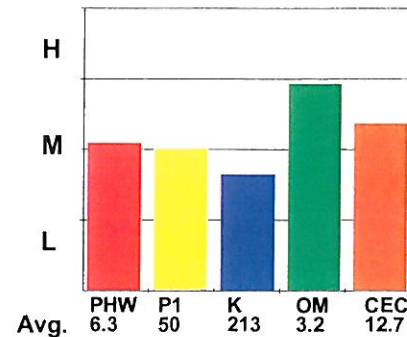
1 inch = 660 feet



BREAKDOWN OF FIELD ACRES



FIELD NUTRIENT SUMMARY



Mowers Soil Testing Plus, Inc.

Toulon, IL 61483-0540

(309)286-2761

Customer: Craig Johnson
 Field: SoCrk_07 (#26672)
 Description: Gustafson Farm_South of Creek
 Acres: 86.9
 # of Samples: 20

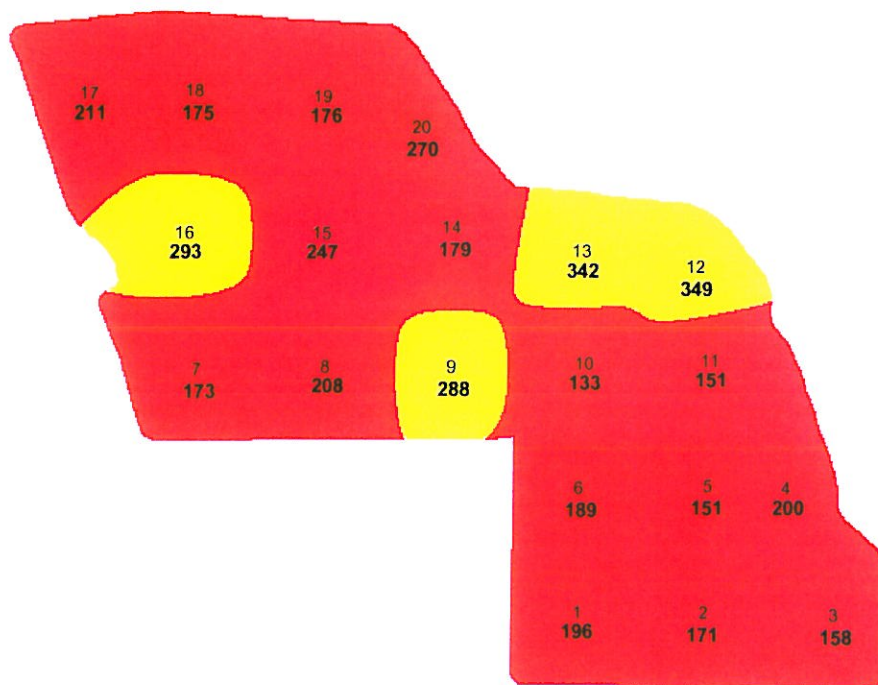
County: Boone
 Township: Spring
 Range: 4E
 Section: 16,17,20,
 Date Tested: 11/12/2007

Potassium Results - Lbs/A

1 inch = 660 feet

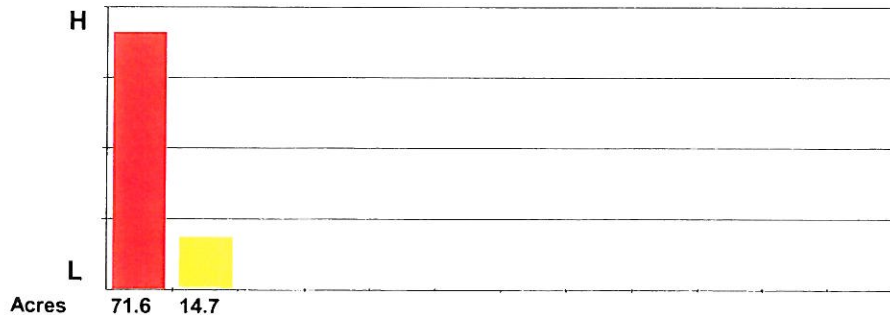
Legend

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	270 - 350 Low
	350 - 430 Optimum
	430 - 510 High
	> 510 Excessive

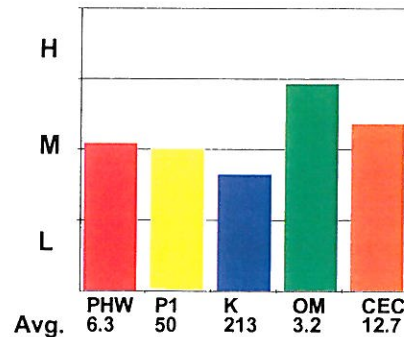


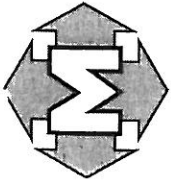
Latitude: 42.2026
 Longitude: 88.8012
 Grid Size: 440nsX440ew

BREAKDOWN OF FIELD ACRES



FIELD NUTRIENT SUMMARY





MOWERS
Soil Testing Plus, Inc.
117 E. Main St.
P.O. Box 540
Toulon, IL 61483-0540
(309) 286-2761
(800) 354-8197
Fax (309) 286-6251

LABORATORY ANALYSIS AND RECOMMENDATION REPORT

Special Report For: Craig Johnson
Samples Submitted by: Craig Johnson
K-B Farms Inc
600 S State St Suite 300
Belvidere, IL 61008-4322

Order No: 213589
Client ID: 2584
Report Date: 11/21/2007
Farm Name: Gustafson Farm
Field Name: South of Creek
Field Acres: 86.9

Sample	Water pH		Buffer pH	Phosphorus	Pounds Per Acre			Parts per Million					dS/m Soluble Salts	Percent Saturation				meq/100g CEC
	6.1	6.7			Calcium	Magnesium	Organic Matter	Sulfur	Zinc	Manganese	Boron	Iron		Copper	Sodium	Ca	Mg	
1	6.1	6.7	32	196	2337	659	3.0						54.6	25.7	2.4	17.3	10.7	
2	6.0	6.6	46	171	2042	509	2.9						55.1	22.9	2.4	19.6	9.3	
3	6.1	6.8	41	158	1987	629	2.0						52.9	27.9	2.2	17.1	9.4	
4	6.9	7.5	50	200	2594	771	3.0						64.5	32.0	2.5	1.0	10.1	
5	6.3	6.9	46	151	2263	656	3.1						56.8	27.4	1.9	13.8	10.0	
6	5.9	6.6	63	189	2723	606	3.4						55.7	20.7	2.0	21.6	12.2	
7	6.2	6.8	44	173	2981	830	3.3						56.7	26.3	1.7	15.3	13.1	
8	6.5	7.1	44	208	3809	1184	3.5						58.4	30.3	1.6	9.7	16.3	
9	6.4	7.0	63	288	3110	906	3.0						57.1	27.7	2.7	12.5	13.6	
10	5.8	6.7	43	133	1227	317	2.0						50.9	22.0	2.8	24.3	6.0	
11	6.2	6.8	54	151	2778	768	3.5						56.8	26.2	1.6	15.5	12.2	
12	5.9	6.4	63	349	4637	939	4.8						56.0	18.9	2.2	22.9	20.7	
13	5.3	6.3	93	342	2042	393	3.5						47.2	15.1	4.1	33.6	10.8	
14	6.8	7.5	55	179	1752	637	2.0						57.4	34.8	3.0	4.8	7.6	
15	5.7	6.4	68	247	1895	509	3.0						48.5	21.7	3.2	26.5	9.8	
16	6.5	7.1	57	293	3478	1055	3.5						57.6	29.1	2.5	10.8	15.1	
17	6.7	7.2	34	211	4287	1258	3.6						61.4	30.0	1.6	7.0	17.4	
18	6.8	7.4	33	175	3036	842	3.4						65.0	30.0	1.9	3.1	11.7	
19	6.1	6.7	40	176	3735	1003	3.5						56.1	25.1	1.4	17.4	16.6	
20	7.1	7.5	31	270	5906	1628	3.8						67.4	31.0	1.6	0.0	21.9	
Field Median	6.2	6.8	46	192	2750	770	3.3						56.7	26.9	2.2	15.4	11.9	

Field Median	Fertility Level				Fertilizer Recommendations in pounds per acre
	V Low	Low	Medium	High	
Water pH	6.2				
Phosphorus	46				Intended Crop Yield Goal $N - P_2O_5 - K_2O$
Potassium	192				$N - P_2O_5 - K_2O$
Limestone Recommendations					
CONVERSIONS: PPM = Lbs./Acre / 2 or Lbs./Acre = PPM x 2					
Previous Crop Soybean Previous Yield: 0 Bu/Ac					
Optimum Ranges:					
Water pH: 6.3 - 6.8					
Phosphorus: 50.0 - 80.0					
Potassium: 290.0 - 370.0					
Build-up					
Crop Removal IL					
**TOTAL REQUIRED					
Credits:					
***ADJUSTED RECOMMENDATIONS					
Adjust Nitrogen Recommendations for Previous Crop or other N Sources.					

MOWERS SOIL TESTING PLUS, INC.

Client ID: 2584
Prepared for: Craig Johnson

OrderID: 213589
FarmName: Gustafson Farm
FieldName: South of Creek

BUILD-UP FERTILITY RECOMMENDATIONS TABLE

Below are the actual Phosphorus units (Lbs P₂O₅/Acre) and the actual Potassium (Lbs K₂O/Acre) recommended for fertility build-up for each individual sample site. The amount shown should be applied each year for the next four years if you wish to spot fertilize the field on the basis of actual test results. A zero indicates no build-up fertility is needed because the soil test readings are at or above the recommended levels. The lime recommendation is the total limestone requirement over the four year program and may be applied in one or more applications.

Sample Number	Lime Tons/Acre	Phosphorus <i>Lbs(P₂O₅)/ Ac</i>	Potassium <i>Lbs(K₂O)/ Ac</i>	Notes
1	1.3	40	94	
2	1.7	9	119	
3	1.2	21	132	
4	0.0	0	90	
5	0.6	9	139	
6	2.1	0	101	
7	0.9	13	117	
8	0.0	13	112	
9	0.3	0	2	
10	1.8	17	127	
11	0.9	0	139	
12	3.0	0	0	
13	4.4	0	0	
14	0.0	0	81	
15	3.0	0	43	
16	0.0	0	0	
17	0.0	36	109	
18	0.0	38	115	
19	1.4	22	144	
20	0.0	44	50	
Median	0.9	9	97	

MOWERS SOIL TESTING PLUS, INC.

Client ID: 2584
Prepared for: Craig Johnson

Order ID: 213589
Farm Name: Gustafson Farm
Field Name: South of Creek

YOUR FERTILITY RECOMMENDATIONS OPTIONS

Adjust the limestone recommendations for your tillage practices.

Build-up phosphorus and potassium can be applied each year for four years or the total amount needed for build-up can be applied at one time (4 times the amount shown in the Build-up Fertility Recommendation Table for one year).

The Fertilizer Recommendations are based on yearly applications. If you fertilize for more than one crop at a time, simply add the Fertilizer Recommendations together for the years of these crops.

RETEST IN FOUR YEARS

Agronomist: *Sue Drury*

Mowers Soil Testing Plus, Inc.

Toulon, IL 61483-0540

(309)286-2761

Customer: Craig Johnson

Field: SRoad_07 (#26673)

Description: Gustafson Farm_South of Road

Acres: 74.1

of Samples: 18

County: Boone

Township: Spring

Range: 4E

Section: 16,17,20,

Date Tested: 11/12/2007

1 inch = 660 feet

Water pH Results

Legend

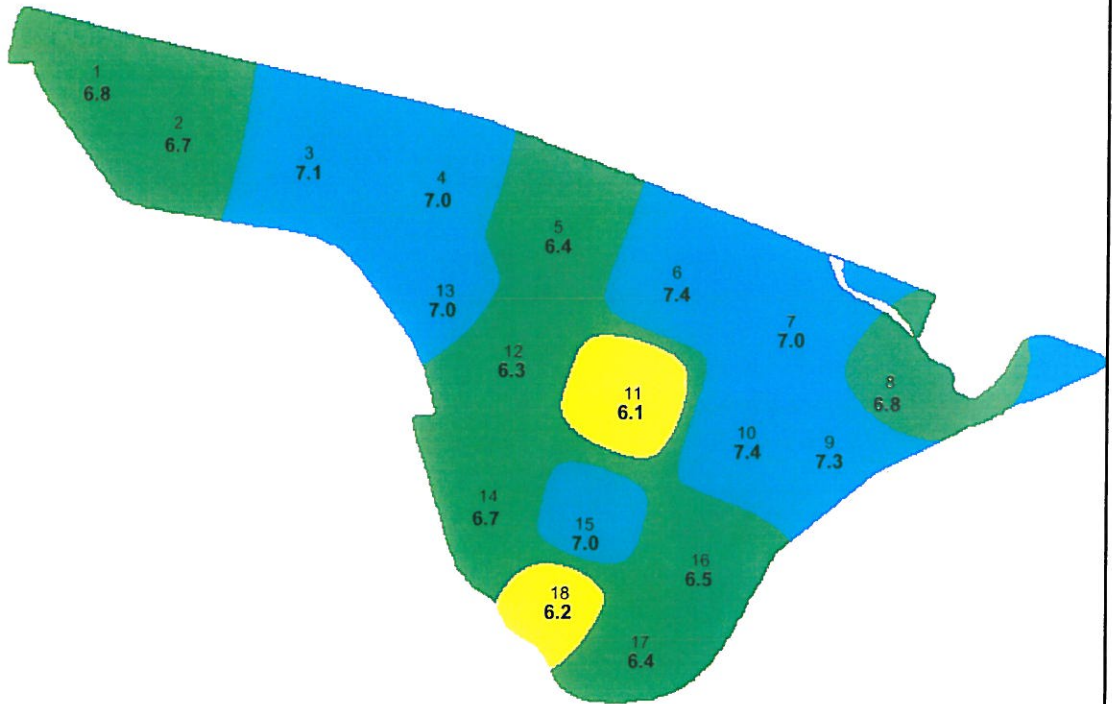
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5.8 - 6.3 Low

6.3 - 6.8 Optimum

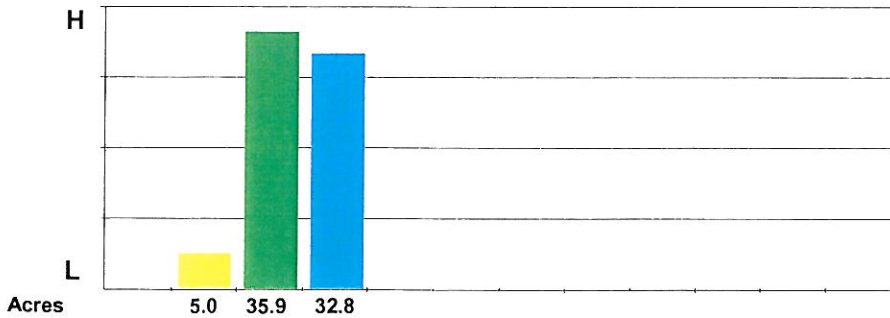
6.8 - 7.5 High

> 7.5 Excessive

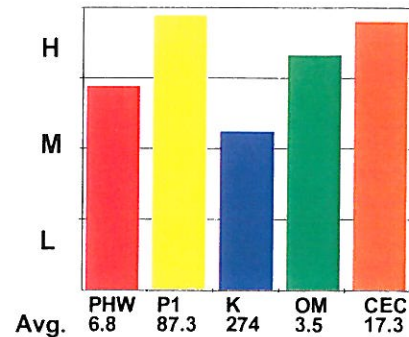


Latitude: 42.2025
 Longitude: 88.7950
 Grid Size: 440nsX440ew

BREAKDOWN OF FIELD ACRES



FIELD NUTRIENT SUMMARY



Mowers Soil Testing Plus, Inc.

Toulon, IL 61483-0540
(309)286-2761






Customer: Craig Johnson
Field: SRoad_07 (#26673)
Description: Gustafson Farm_South of Road
Acres: 74.1
of Samples: 18

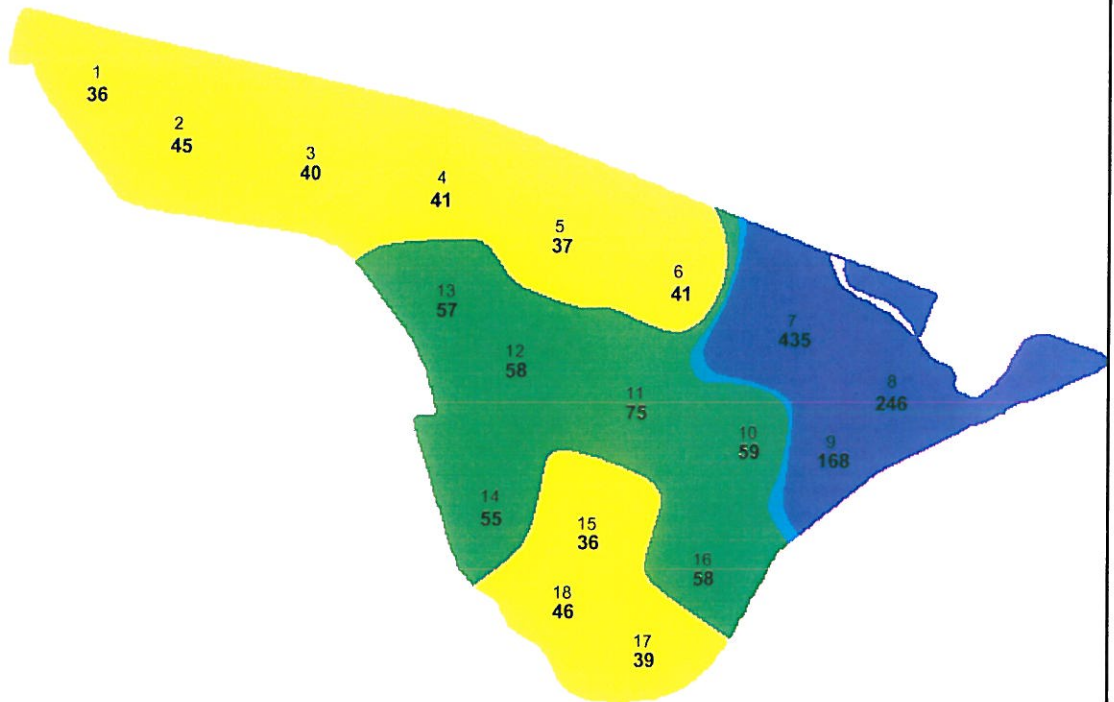
County: Boone
Township: Spring
Range: 4E
Section: 16,17,20,
Date Tested: 11/12/2007

Phosphorus Results - Lbs/A

1 inch = 660 feet

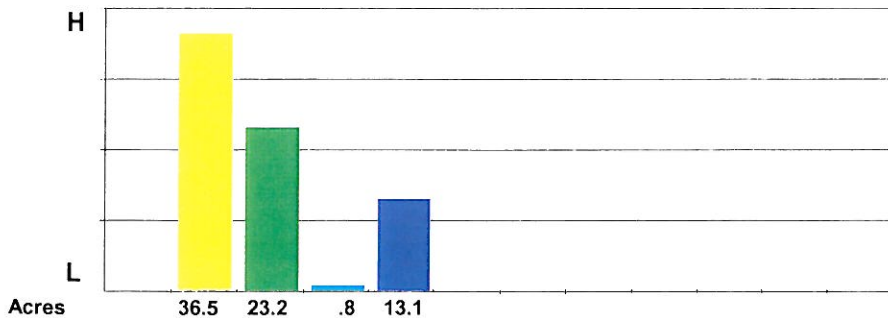
Legend

	< 30 Deficient
	30 - 50 Low
	50 - 80 Optimum
	80 - 110 High
	> 110 Excessive

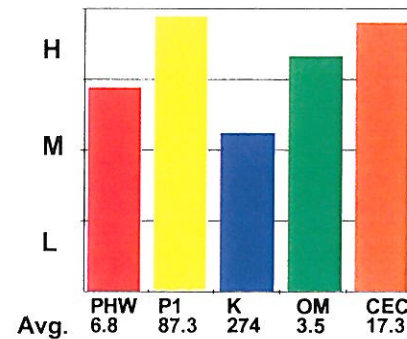


Latitude: 42.2025
Longitude: 88.7950
Grid Size: 440nsX440ew

BREAKDOWN OF FIELD ACRES



FIELD NUTRIENT SUMMARY



Mowers Soil Testing Plus, Inc.

Toulon, IL 61483-0540
(309)286-2761





Customer: Craig Johnson
Field: SRoad_07 (#26673)
Description: Gustafson Farm_South of Road
Acres: 74.1
of Samples: 18

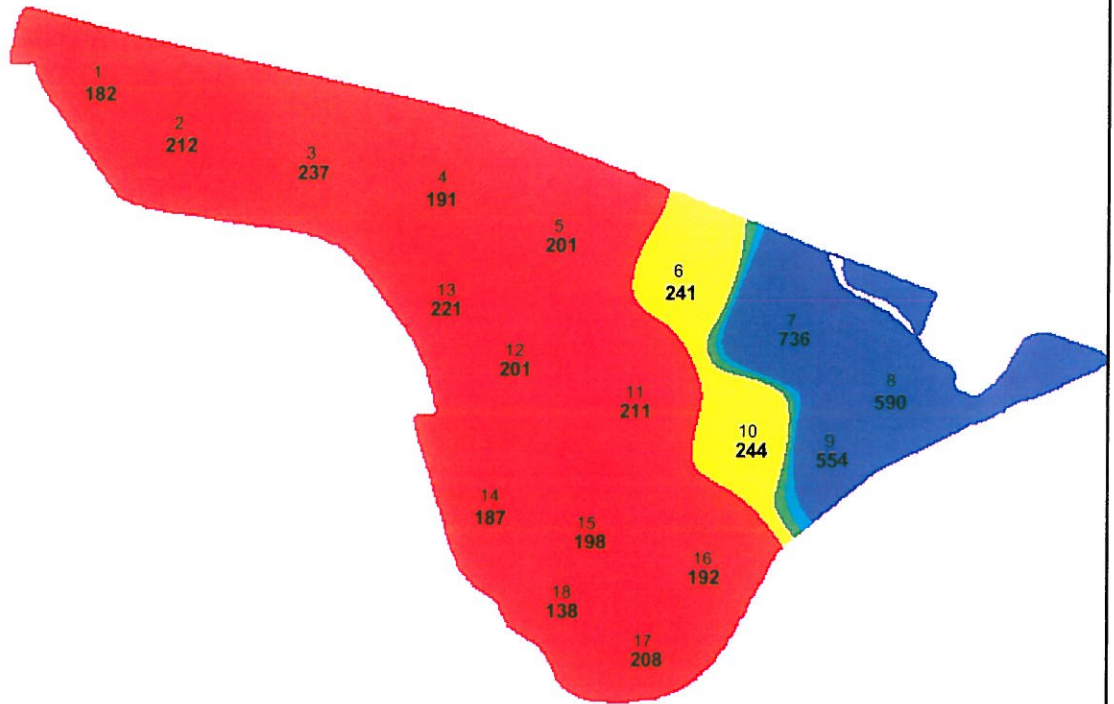
County: Boone
Township: Spring
Range: 4E
Section: 16,17,20,
Date Tested: 11/12/2007

Potassium Results - Lbs/A

1 inch = 660 feet

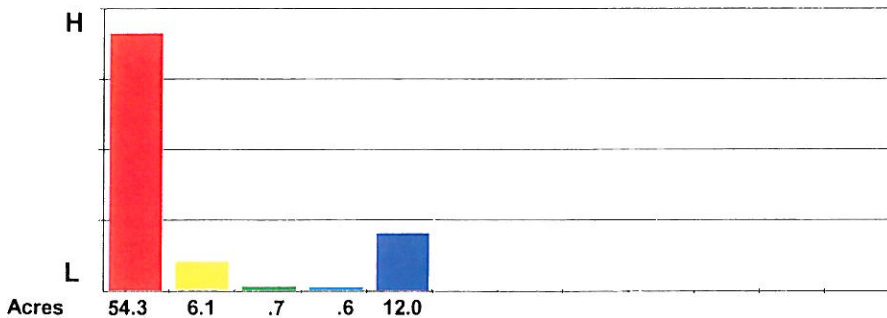
Legend

	< 240 Deficient
	240 - 320 Low
	320 - 400 Optimum
	400 - 480 High
	> 480 Excessive

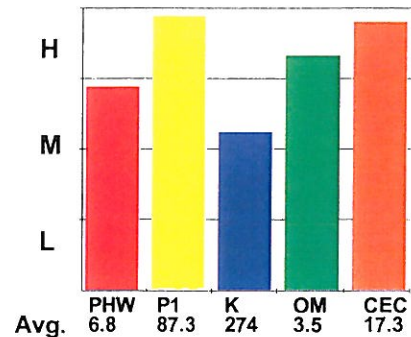


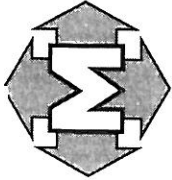
Latitude: 42.2025
Longitude: 88.7950
Grid Size: 440nsX440ew

BREAKDOWN OF FIELD ACRES



FIELD NUTRIENT SUMMARY





MOWERS
 Soil Testing Plus, Inc.
 117 E. Main St.
 P.O. Box 540
 Toulon, IL 61483-0540
 (309) 286-2761
 (800) 354-8197
 Fax (309) 286-6251

LABORATORY ANALYSIS AND RECOMMENDATION REPORT

Special Report For: Craig Johnson
 Samples Submitted by: Craig Johnson
 K-B Farms Inc
 600 S State St Suite 300
 Belvidere, IL 61008-4322

Order No: 213589
 Client ID: 2584
 Report Date: 11/21/2007
 Farm Name: Gustafson Farm
 Field Name: South of Road
 Field Acres: 74.1

Sample	Water pH			Pounds Per Acre				Parts per Million							Percent Saturation		meq/100g CEC			
	Water pH	Buffer pH	Phos-phorus	Calcium	Potassium	Mag-nesium	Percent Organic Matter	Sulfur	Zinc	Manganese	Boron	Iron	Copper	Sodium	Soluble Salts	dS/m		Ca	Mg	K
1	6.8	7.4	36	4508	182	1296	3.5									63.6	30.4	1.3	4.7	17.7
2	6.7	7.2	45	4802	212	1518	3.8									60.7	32.0	1.4	6.0	19.8
3	7.1	7.5	40	4637	237	1379	3.5									65.7	32.6	1.7	0.0	17.6
4	7.0	7.5	41	3809	191	1043	3.4									67.4	30.8	1.7	0.0	14.1
5	6.4	7.0	37	3643	201	1144	3.3									57.0	29.8	1.6	11.5	16.0
6	7.4	7.5	41	3956	241	1313	3.2									63.1	34.9	2.0	0.0	15.7
7	7.0	7.5	435	4324	736	918	3.0									69.4	24.5	6.1	0.0	15.6
8	6.8	7.4	246	3478	590	771	3.1									66.0	24.4	5.7	3.8	13.2
9	7.3	7.5	168	5373	554	1176	3.2									70.5	25.7	3.7	0.0	19.0
10	7.4	7.5	59	7360	244	2090	4.9									67.1	31.8	1.1	0.0	27.4
11	6.1	6.7	75	4103	211	1036	3.5									57.1	24.0	1.5	17.4	18.0
12	6.3	6.9	58	2650	201	714	3.0									57.7	25.9	2.2	14.1	11.5
13	7.0	7.5	57	3606	221	1096	3.1									65.0	32.9	2.0	0.0	13.9
14	6.7	7.3	55	3551	187	958	3.2									64.0	28.8	1.7	5.5	13.9
15	7.0	7.5	36	3183	198	1028	3.4									63.7	34.3	2.0	0.0	12.5
16	6.5	7.1	58	4821	192	1241	3.0									61.4	26.3	1.3	11.0	19.6
17	6.4	6.9	39	7010	208	1792	4.5									61.0	26.0	.9	12.1	28.7
18	6.2	6.6	46	4306	138	1026	4.9									59.8	23.8	1.0	15.4	18.0
Field Median	6.8	7.4	50	4204	210	1120	3.3									63.6	29.3	1.7	4.2	16.8

Field Median	Fertility Level				Fertilizer Recommendations in pounds per acre
	V Low	Low	Medium	High	
Water pH	6.8				
Phosphorus	50				Intended Crop Yield Goal $N - P_2O_5 - K_2O$
Potassium	210				$N - P_2O_5 - K_2O$
Limestone Recommendations					Build-up Crop Removal IL
CONVERSIONS: PPM = Lbs./Acre / 2 or Lbs./Acre = PPM x 2					
Previous Crop Corn Grain	Previous Yield: 0 Bu/Ac				
Optimum Ranges:					
Water pH: 6.3 - 6.8					
Phosphorus: 50.0 - 80.0					
Potassium: 320.0 - 400.0					
**TOTAL REQUIRED					
Credits:					
**ADJUSTED RECOMMENDATIONS					
Adjust Nitrogen Recommendations for Previous Crop or other N Sources.					

MOWERS SOIL TESTING PLUS, INC.

Client ID: 2584
Prepared for: Craig Johnson

OrderID: 213589
FarmName: Gustafson Farm
FieldName: South of Road

BUILD-UP FERTILITY RECOMMENDATIONS TABLE

Below are the actual Phosphorus units (Lbs P2O5/Acre) and the actual Potassium (Lbs K2O/Acre) recommended for fertility build-up for each individual sample site. The amount shown should be applied each year for the next four years if you wish to spot fertilize the field on the basis of actual test results. A zero indicates no build-up fertility is needed because the soil test readings are at or above the recommended levels. The lime recommendation is the total limestone requirement over the four year program and may be applied in one or more applications.

Sample Number	Lime Tons/Acre	Phosphorus <i>Lbs(P₂O₅)/ Ac</i>	Potassium <i>Lbs(K₂O)/ Ac</i>	Notes
1	0.0	31	138	
2	0.0	12	108	
3	0.0	24	83	
4	0.0	19	99	
5	0.1	28	89	
6	0.0	21	49	
7	0.0	0	0	
8	0.0	0	0	
9	0.0	0	0	
10	0.0	0	106	
11	1.4	0	109	
12	0.6	0	89	
13	0.0	0	69	
14	0.0	0	103	
15	0.0	31	92	
16	0.0	0	128	
17	0.0	26	142	
18	0.8	8	182	
Median	0.0	0	110	

MOWERS SOIL TESTING PLUS, INC.

Client ID: 2584
Prepared for: Craig Johnson

Order ID: 213589
Farm Name: Gustafson Farm
Field Name: South of Road

YOUR FERTILITY RECOMMENDATIONS OPTIONS

Build-up phosphorus and potassium can be applied each year for four years or the total amount needed for build-up can be applied at one time (4 times the amount shown in the Build-up Fertility Recommendation Table for one year).

The Fertilizer Recommendations are based on yearly applications. If you fertilize for more than one crop at a time, simply add the Fertilizer Recommendations together for the years of these crops.

RETEST IN FOUR YEARS

Agronomist:



Mowers Soil Testing Plus, Inc.

Toulon, IL 61483-0540






(309)286-2761

Customer: Craig Johnson
 Field: SE_07 (#26671)
 Description: Gustafson Farm_SE
 Acres: 37.6

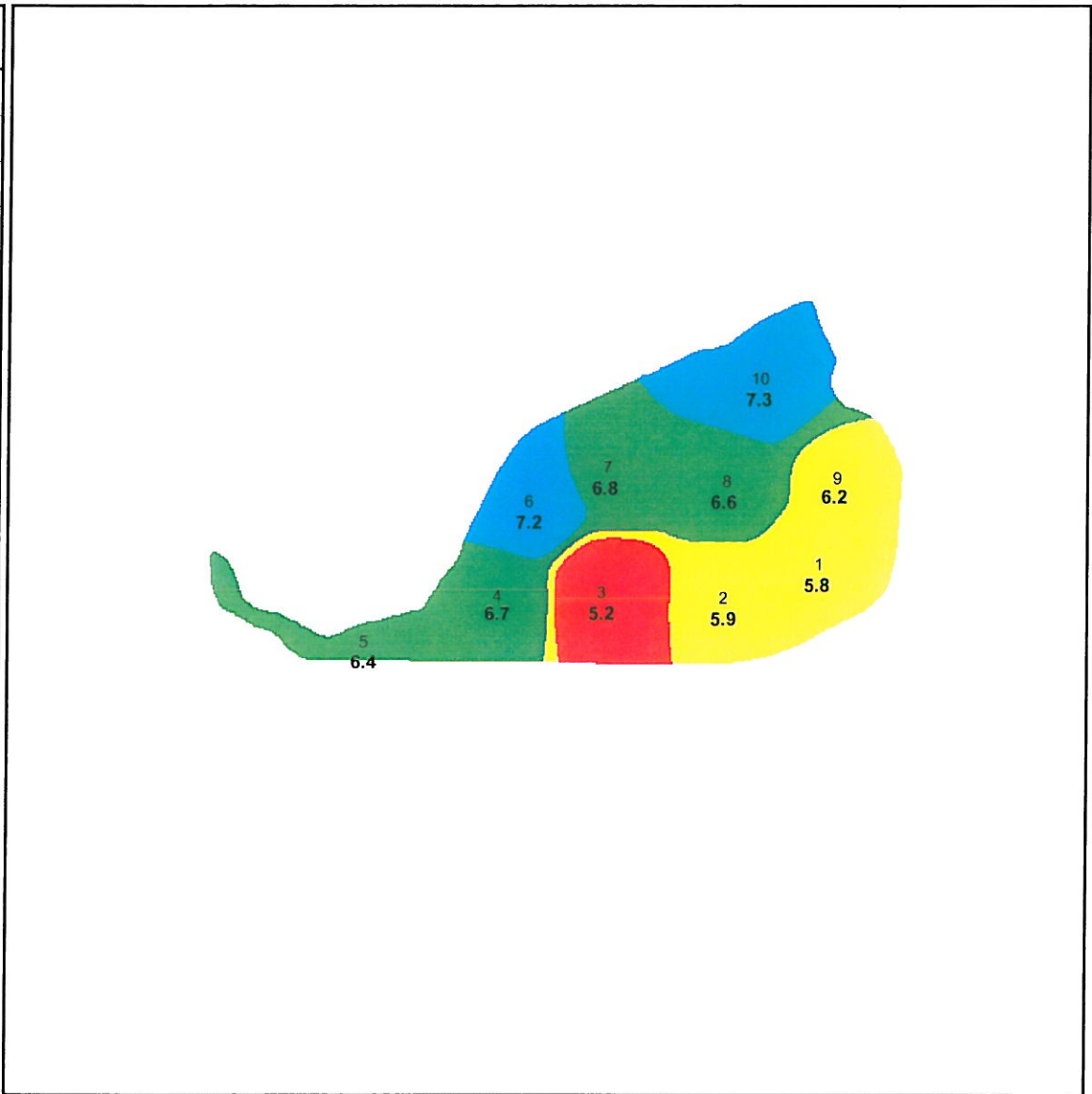
County: Boone
 Township: Spring
 Range: 4E
 Section: 16,17,20,
 Date Tested: 11/26/2007

1 inch = 660 feet

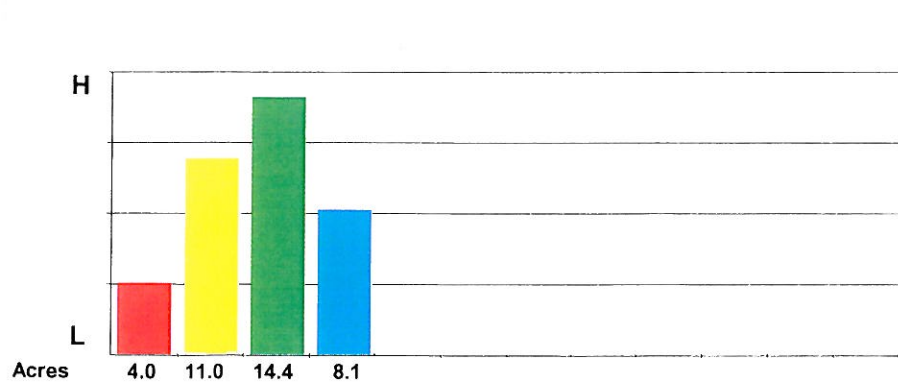
of Samples: 10
 Water pH Results

Legend	
	< 5.8 Deficient
	5.8 - 6.3 Low
	6.3 - 6.8 Optimum
	6.8 - 7.5 High
	> 7.5 Excessive

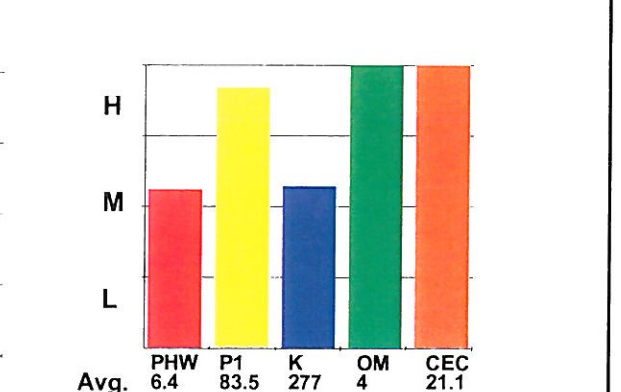
Latitude: 42.1999
Longitude: 88.7911
Grid Size: 440nsX440ew



BREAKDOWN OF FIELD ACRES



FIELD NUTRIENT SUMMARY



Mowers Soil Testing Plus, Inc.

Toulon, IL 61483-0540

(309)286-2761

Customer: Craig Johnson

Field: SE_07 (#26671)

Description: Gustafson Farm_SE

Acres: 37.6

of Samples: 10

Phosphorus Results - Lbs/A

County: Boone

Township: Spring

Range: 4E

Section: 16,17,20,

Date Tested: 11/26/2007

1 inch = 660 feet

Legend

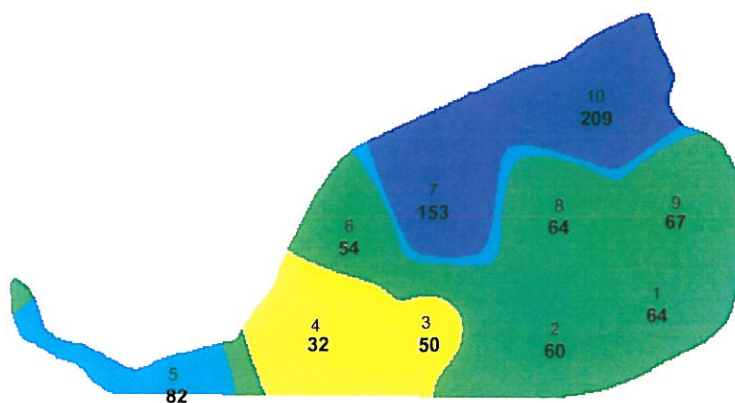
< 30 Deficient

30 - 50 Low

50 - 80 Optimum

80 - 110 High

> 110 Excessive

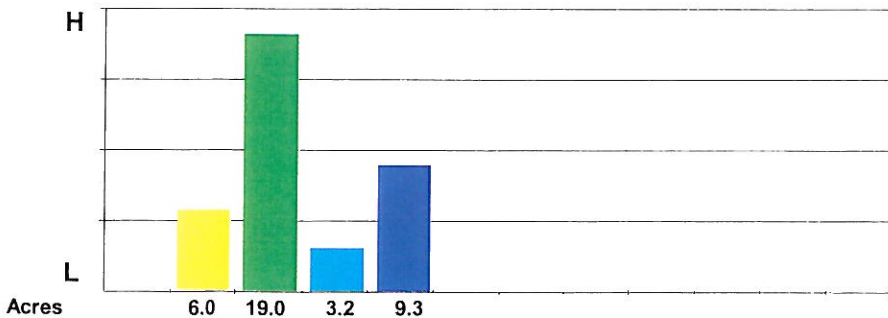


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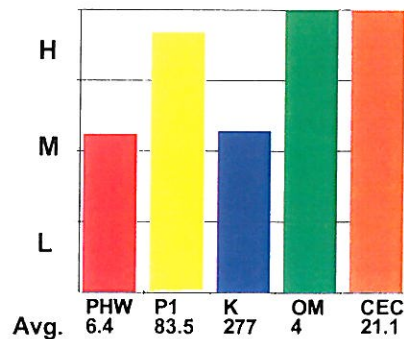
Longitude: 88.7911

Grid Size: 440nsX440ew

BREAKDOWN OF FIELD ACRES



FIELD NUTRIENT SUMMARY



Mowers Soil Testing Plus, Inc.

Toulon, IL 61483-0540
(309)286-2761

Customer: Craig Johnson
Field: SE_07 (#26671)
Description: Gustafson Farm_SE
Acres: 37.6

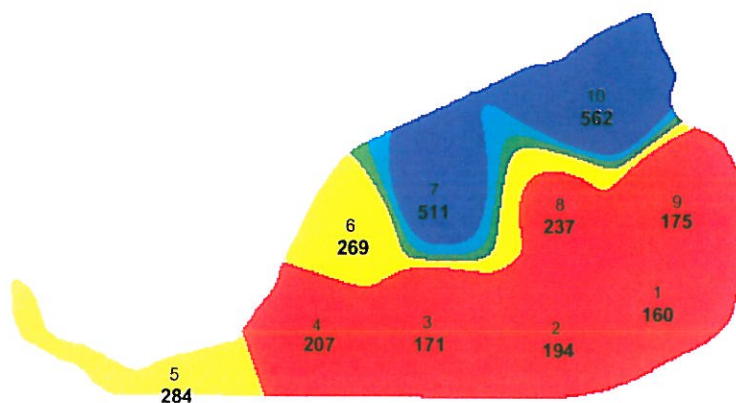
County: Boone
Township: Spring
Range: 4E
Section: 16,17,20,
Date Tested: 11/26/2007

1 inch = 660 feet

of Samples: 10
Potassium Results - Lbs/A

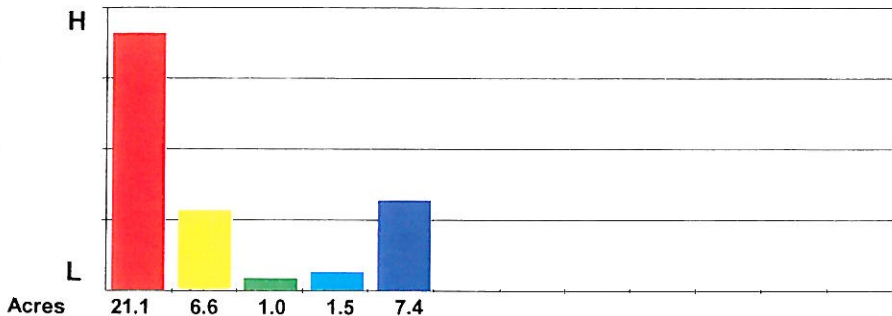
Legend

- < 240 Deficient
- 240 - 320 Low
- 320 - 400 Optimum
- 400 - 480 High
- > 480 Excessive

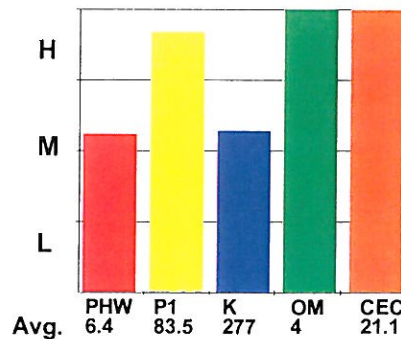


Latitude: 42.1999
Longitude: 88.7911
Grid Size: 440nsX440ew

BREAKDOWN OF FIELD ACRES



FIELD NUTRIENT SUMMARY



MOWERS SOIL TESTING PLUS, INC.

Client ID: 2584
Prepared for: Craig Johnson

OrderID: 213589
FarmName: Gustafson Farm
FieldName: SE

BUILD-UP FERTILITY RECOMMENDATIONS TABLE

Below are the actual Phosphorus units (Lbs P₂O₅/Acre) and the actual Potassium (Lbs K₂O/Acre) recommended for fertility build-up for each individual sample site. The amount shown should be applied each year for the next four years if you wish to spot fertilize the field on the basis of actual test results. A zero indicates no build-up fertility is needed because the soil test readings are at or above the recommended levels. The lime recommendation is the total limestone requirement over the four year program and may be applied in one or more applications.

Sample Number	Lime Tons/Acre	Phosphorus <i>Lbs(P₂O₅)/ Ac</i>	Potassium <i>Lbs(K₂O)/ Ac</i>	Notes
1	2.3	0	130	
2	2.6	0	126	
3	4.7	0	119	
4	0.0	40	83	
5	0.1	0	36	
6	0.0	0	81	
7	0.0	0	0	
8	0.0	0	113	
9	0.7	0	175	
10	0.0	0	0	
Median	0.0	0	98	

MOWERS SOIL TESTING PLUS, INC.

Client ID: 2584
Prepared for: Craig Johnson

Order ID: 213589
Farm Name: Gustafson Farm
Field Name: SE

YOUR FERTILITY RECOMMENDATIONS OPTIONS

Build-up phosphorus and potassium can be applied each year for four years or the total amount needed for build-up can be applied at one time (4 times the amount shown in the Build-up Fertility Recommendation Table for one year).

The Fertilizer Recommendations are based on yearly applications. If you fertilize for more than one crop at a time, simply add the Fertilizer Recommendations together for the years of these crops.

RETEST IN FOUR YEARS

Agronomist: *Sue Tracy*

Mowers Soil Testing Plus, Inc.

Toulon, IL 61483-0540

(309)286-2761

Customer: Craig Johnson

Field: W40_07 (#26674)

Description: Gustafson Farm_West 40

Acres: 24.2

of Samples: 6

County: Boone

Township: Spring

Range: 4E

Section: 16,17,20,

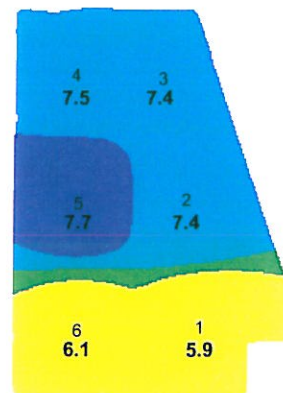
Date Tested: 11/12/2007

1 inch = 660 feet

Water pH Results

Legend

	< 5.8 Deficient
	5.8 - 6.3 Low
	6.3 - 6.8 Optimum
	6.8 - 7.5 High
	> 7.5 Excessive

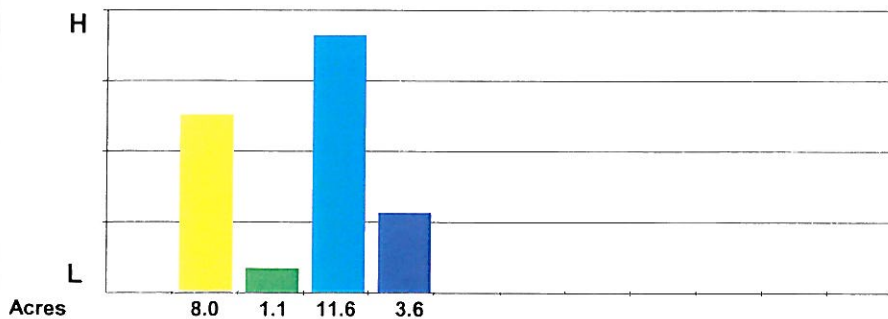


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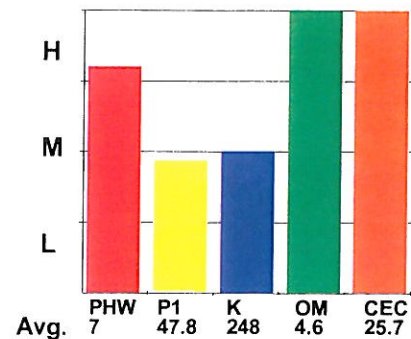
Longitude: 88.8089

Grid Size: 440nsX440ew

BREAKDOWN OF FIELD ACRES



FIELD NUTRIENT SUMMARY



Mowers Soil Testing Plus, Inc.






Toulon, IL 61483-0540
(309)286-2761

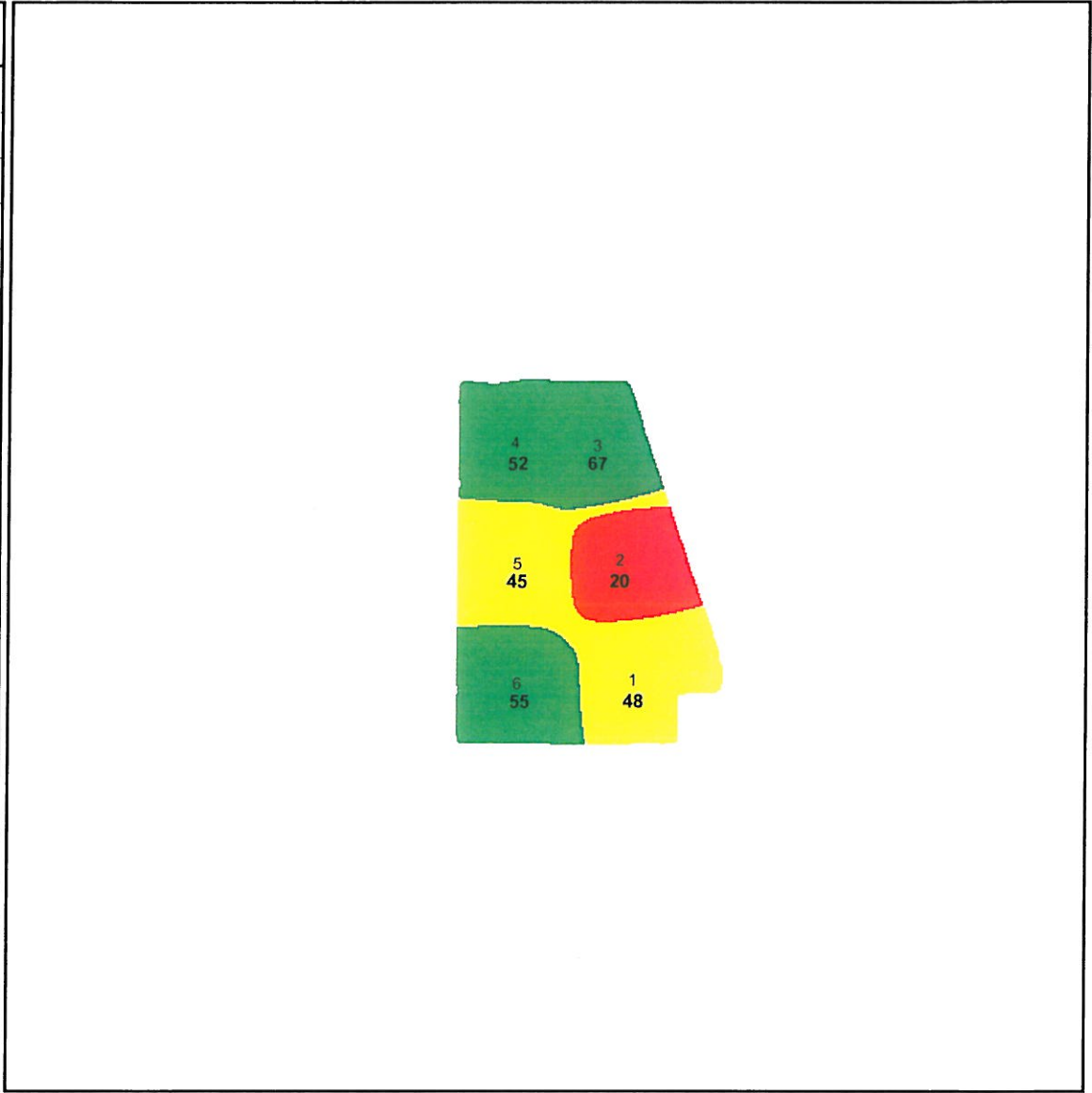
Customer: Craig Johnson
Field: W40_07 (#26674)
Description: Gustafson Farm_West 40
Acres: 24.2
of Samples: 6

County: Boone
Township: Spring
Range: 4E
Section: 16,17,20,
Date Tested: 11/12/2007

Phosphorus Results - Lbs/A

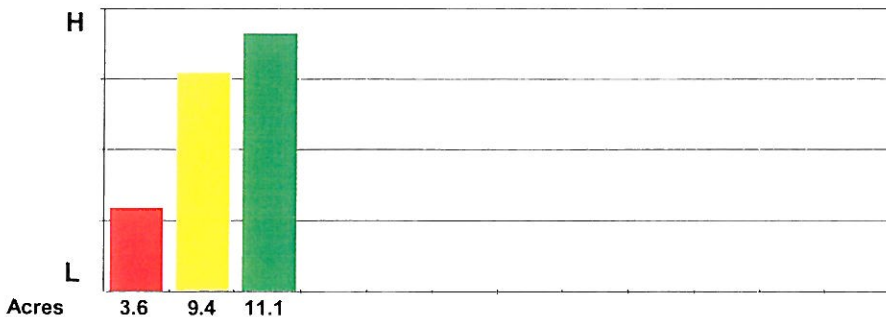
1 inch = 660 feet

Legend	
	< 30 Deficient
	30 - 50 Low
	50 - 80 Optimum
	80 - 110 High
	> 110 Excessive

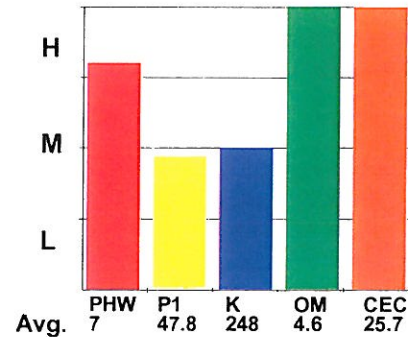


Latitude: 42.2044
Longitude: 88.8089
Grid Size: 440nsX440ew

BREAKDOWN OF FIELD ACRES



FIELD NUTRIENT SUMMARY



Mowers Soil Testing Plus, Inc.

Toulon, IL 61483-0540

(309)286-2761

Customer: Craig Johnson

Field: W40_07 (#26674)

Description: Gustafson Farm_West 40

Acres: 24.2

of Samples: 6

Potassium Results - Lbs/A

County: Boone

Township: Spring

Range: 4E

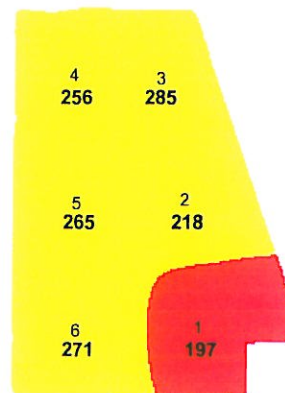
Section: 16,17,20,

Date Tested: 11/12/2007

1 inch = 660 feet

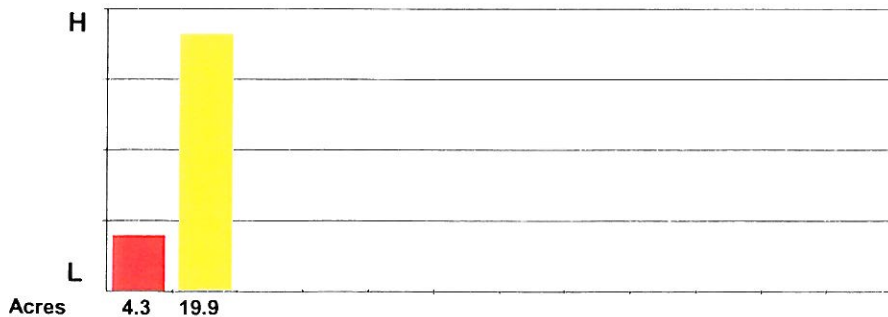
Legend

	< 210 Deficient
	210 - 290 Low
	290 - 370 Optimum
	370 - 450 High
	> 450 Excessive

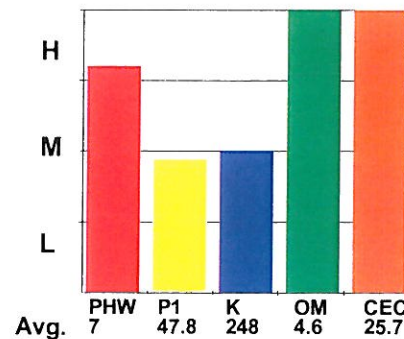


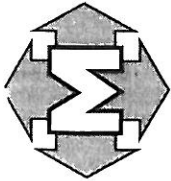
Latitude: 42.2044
 Longitude: 88.8089
 Grid Size: 440nsX440ew

BREAKDOWN OF FIELD ACRES



FIELD NUTRIENT SUMMARY





MOWERS
 Soil Testing Plus, Inc.
 117 E. Main St.
 P.O. Box 540
 Toulon, IL 61483-0540
 (309) 286-2761
 (800) 354-8197
 Fax (309) 286-6251

LABORATORY ANALYSIS AND RECOMMENDATION REPORT

Special Report For: Craig Johnson
 Order No: 213589
 Client ID: 2584
 Report Date: 11/21/2007
 Farm Name: Gustafson Farm
 Field Name: West 40
 Field Acres: 24.2

Samples Submitted by: Craig Johnson
 K-B Farms Inc
 600 S State St Suite 300
 Belvidere, IL 61008-4322

Sample	Water pH		Pounds Per Acre				Parts per Million				Percent Saturation				meq/100g				
	Water pH	Buffer pH	Phosphorus	Potassium	Calcium	Magnesium	Organic Matter	Sulfur	Zinc	Manganese	Boron	Iron	Copper	Sodium		dS/m Soluble Salts	Ca	Mg	K
1	5.9	6.5	48	197	5336	1271	4.5								54.7	21.7	1.0	22.5	24.4
2	7.4	7.5	20	218	6219	1693	4.6								68.0	30.8	1.2	0.0	22.9
3	7.4	7.5	67	285	6238	1818	4.5								66.3	32.2	1.6	0.0	23.5
4	7.5	7.5	52	256	7176	1864	4.6								68.9	29.8	1.3	0.0	26.0
5	7.7	7.5	45	265	9421	1089	4.7								82.8	16.0	1.2	0.0	28.4
6	6.1	6.5	55	271	7066	1381	4.8								61.1	19.9	1.2	17.8	28.9
Field Median	7.4	7.5	50	260	6652	1538	4.6								67.1	25.8	1.2	0	25.2

Field Median	Fertility Level					Fertilizer Recommendations in pounds per acre
	V Low	Low	Medium	High	V High	
Water pH					7.4	
Phosphorus					50	
Potassium					260	
Limestone Recommendations						
Intended Crop						$N - P_2O_5 - K_2O$
Yield Goal						$N - P_2O_5 - K_2O$
Build-up						
Crop Removal						IL
**TOTAL REQUIRED						
Credits:						
**ADJUSTED RECOMMENDATIONS						
Adjust Nitrogen Recommendations for Previous Crop or other N Sources.						

CONVERSIONS: PPM = Lbs./Acre / 2 or Lbs./Acre = PPM x 2
 Previous Crop Corn Grain Previous Yield: 0 Bu/Ac

Optimum Ranges:
 Water pH: 6.3 - 6.8
 Phosphorus: 50.0 - 80.0
 Potassium: 350.0 - 430.0

MOWERS SOIL TESTING PLUS, INC.

Client ID: 2584
Prepared for: Craig Johnson

Order ID: 213589
Farm Name: Gustafson Farm
Field Name: West 40

GENERAL FIELD RECOMMENDATIONS

The General Fertility Recommendations are for a Four Year Program of fertility build-up and include crop removal requirements and credits for prior fertilizer plowed down. Also any credits for manure application or nitrogen carried over from prior legumes need to be subtracted. These Fertility Recommendations must be adjusted if your cropping plans or circumstances change (i.e. if crop residues are removed, different yield goals are desired, different crops are grown, etc.) When soil test levels are above the recommended levels, a credit is given at half crop removal for high levels and full crop removal for very high levels.

Use the worksheet below to keep track of your plans and actual results. Please call the Toulon Office at (309)286-2761 or (800)354-8197 if you have any questions. Any of our staff agronomists will be happy to assist you.

Intended Crop	Corn Grain	Soybean	Corn Grain	Soybean
Yield Goal	150 Bu/Ac	50 Bu/Ac	175 Bu/Ac	60 Bu/Ac
	$N - P_2O_5 - K_2O$	$N - P_2O_5 - K_2O$	$N - P_2O_5 - K_2O$	$N - P_2O_5 - K_2O$
Build up (4 years)	0 - 0 - 89	0 - 0 - 89	0 - 0 - 89	0 - 0 - 89
Crop Removal	180 - 56 - 42	0 - 42 - 65	210 - 65 - 49	0 - 50 - 78
TOTAL REQUIRED	180 - 56 - 131	0 - 42 - 154	210 - 65 - 138	0 - 50 - 167
Credits: High Fertility	0 - 0 - 0	0 - 0 - 0	0 - 0 - 0	0 - 0 - 0
ADJUSTED RECOMMENDATION	180 - 56 - 131	0 - 42 - 154	210 - 65 - 138	0 - 50 - 167
Limestone Requirements: 0 Tons/Acre				

N recommendations are based on yield. To calculate the best economic N rate based on corn and N prices, go to this website: extension.agron.iastate.edu/soilfertility/nrate.aspx

All Fertility Recommendations are expressed as pounds (units) of actual nutrients per acre. Remember to give credits for the fertility value in manure, nitrogen in dry fertilizer and previous crops, and weed control carriers.

RECORDS OF ACTUAL FERTILITY APPLIED

Year	Actual Crop	Actual Yield	Lime Tons/Ac	Nitrogen Lbs/Acre	Phosphorus Lbs/Acre	Potassium Lbs/Acre

MOWERS SOIL TESTING PLUS, INC.

Client ID: 2584
Prepared for: Craig Johnson

Order ID: 213589
Farm Name: Gustafson Farm
Field Name: West 40

YOUR FERTILITY RECOMMENDATIONS OPTIONS

Build-up phosphorus and potassium can be applied each year for four years or the total amount needed for build-up can be applied at one time (4 times the amount shown in the Build-up Fertility Recommendation Table for one year).

The Fertilizer Recommendations are based on yearly applications. If you fertilize for more than one crop at a time, simply add the Fertilizer Recommendations together for the years of these crops.

RETEST IN FOUR YEARS

Agronomist: *Sue Dorsey*

Tracts 8 & 11

Mowers Soil Testing Plus, Inc.

Toulon, IL 61483-0540

(309)286-2761

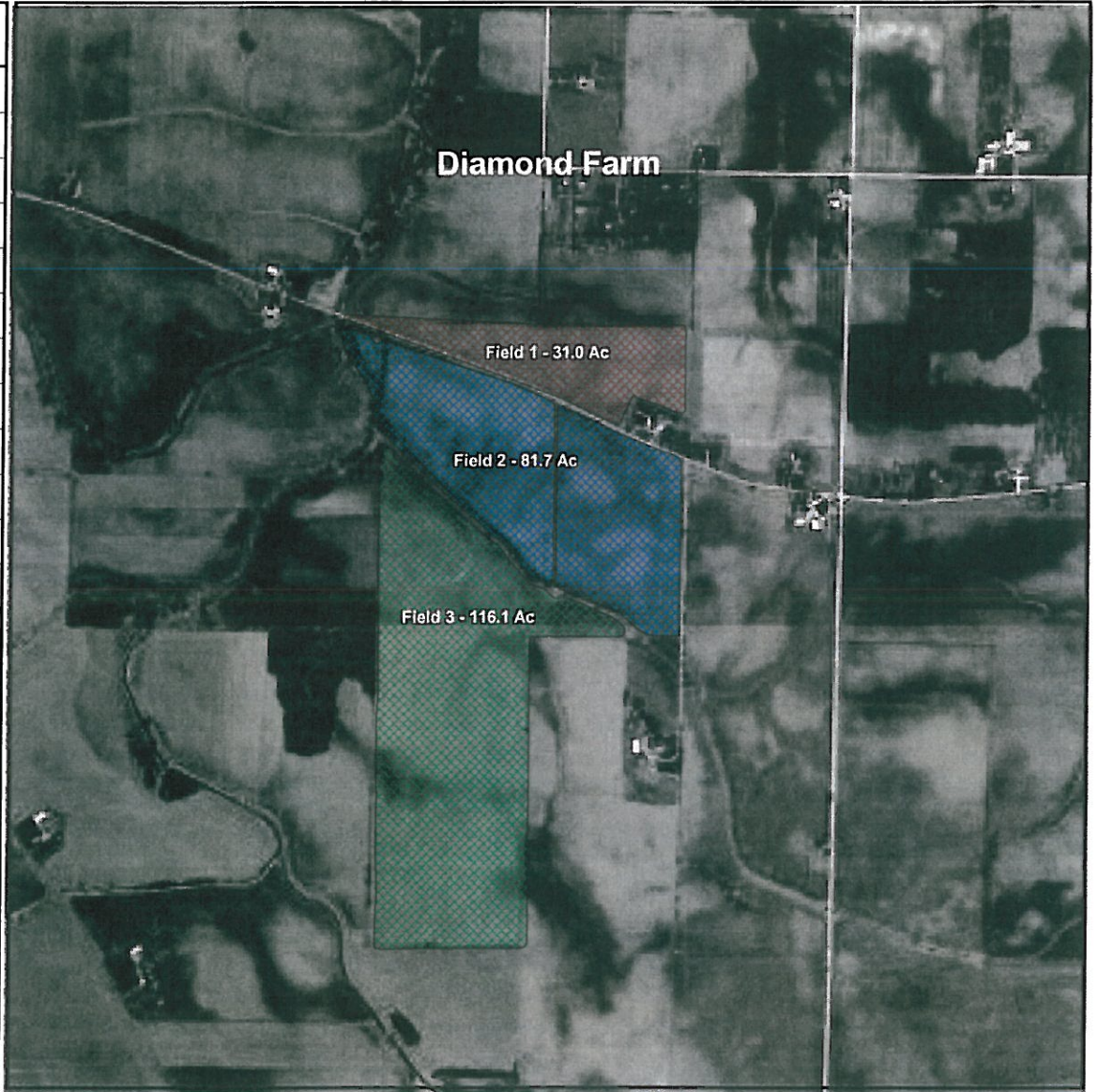
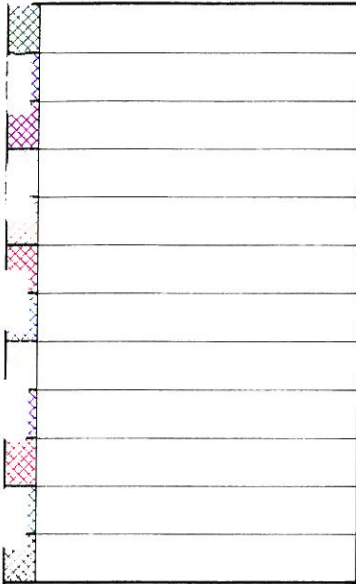
Customer: Craig Johnson
Farm Name: Diamond
Description: Diamond07_Flds 1,2,3

City: Belvidere
State: IL
Zip: 61008

Farm Map

1 inch = 1539 feet

Legend



Latitude: 42.2044
Longitude: 88.7903

Mowers Soil Testing Plus, Inc.

Toulon, IL 61483-0540
(309)286-2761






Customer: Craig Johnson
Field: Diam1_07 (#26665)
Description: Diamond Farm_Field 1
Acres: 31
of Samples: 7

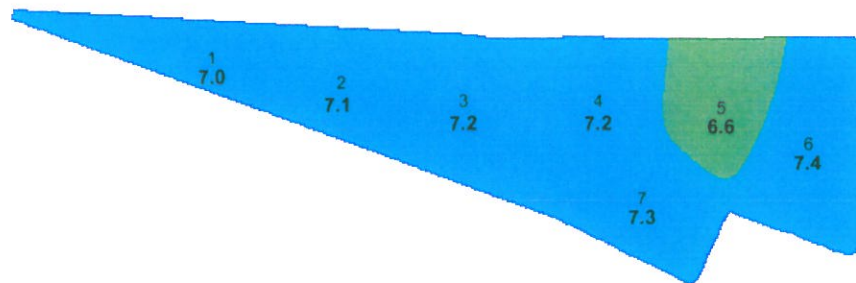
County: Boone
Township: Spring
Range: 4E
Section: 21
Date Tested: 11/02/2007

1 inch = 660 feet

Water pH Results

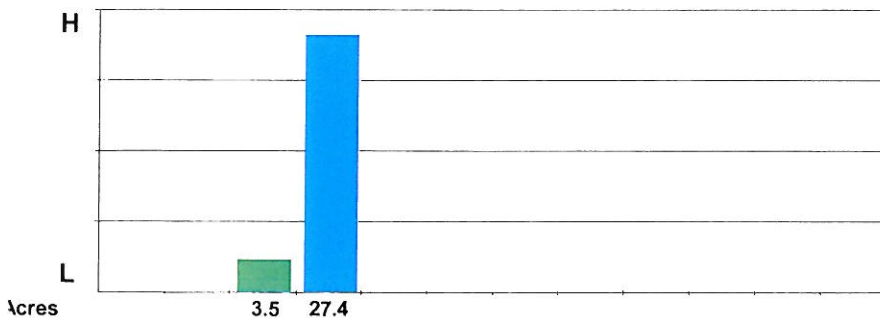
Legend

	< 5.8 Deficient
	5.8 - 6.3 Low
	6.3 - 6.8 Optimum
	6.8 - 7.5 High
	> 7.5 Excessive

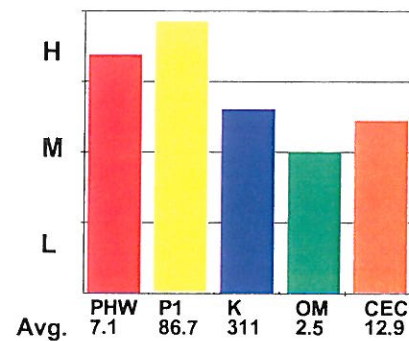


Latitude: 42.2010
Longitude: 88.7814
Grid Size: 440nsX440ew

BREAKDOWN OF FIELD ACRES



FIELD NUTRIENT SUMMARY



Mowers Soil Testing Plus, Inc.

Toulon, IL 61483-0540

(309)286-2761






Customer: Craig Johnson
 Field: Diam1_07 (#26665)
 Description: Diamond Farm_Field 1
 Acres: 31

County: Boone
 Township: Spring
 Range: 4E
 Section: 21
 Date Tested: 11/02/2007

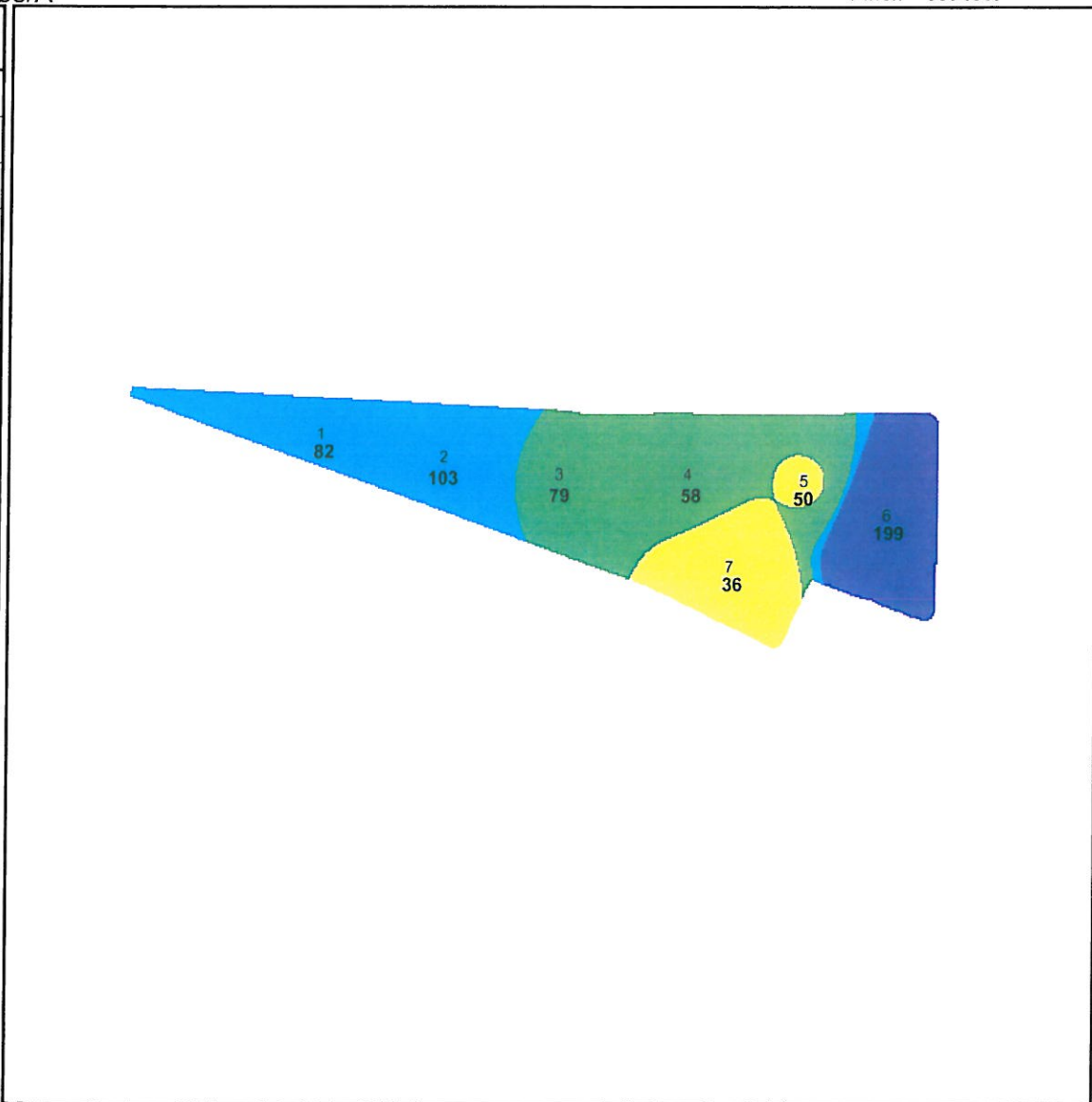
of Samples: 7

Phosphorus Results - Lbs/A

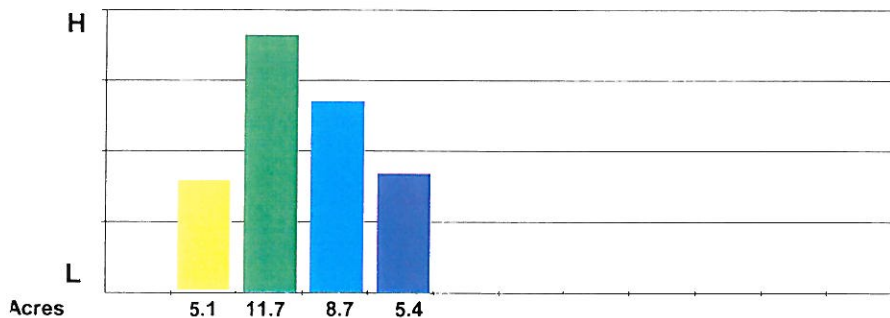
1 inch = 660 feet

Legend	
	< 30 Deficient
	30 - 50 Low
	50 - 80 Optimum
	80 - 110 High
	> 110 Excessive

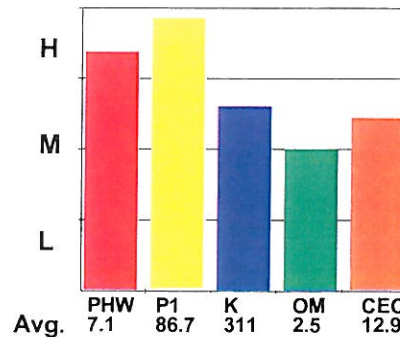
Latitude: 42.2010
Longitude: 88.7814
Grid Size: 440nsX440ew



BREAKDOWN OF FIELD ACRES



FIELD NUTRIENT SUMMARY



Mowers Soil Testing Plus, Inc.






Toulon, IL 61483-0540
(309)286-2761

Customer: Craig Johnson
Field: Diam1_07 (#26665)
Description: Diamond Farm_Field 1
Acres: 31
of Samples: 7

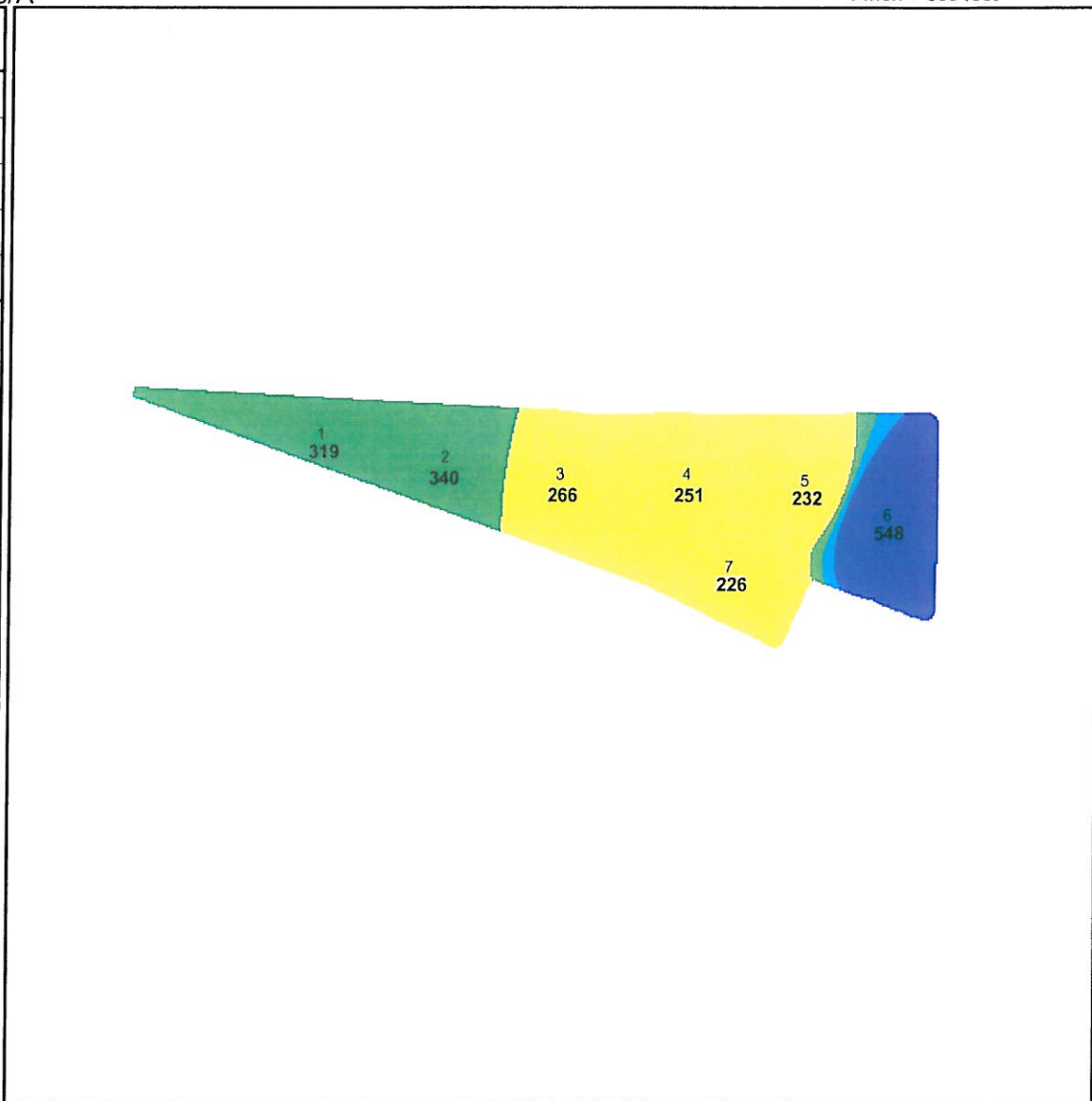
County: Boone
Township: Spring
Range: 4E
Section: 21
Date Tested: 11/02/2007

Potassium Results - Lbs/A

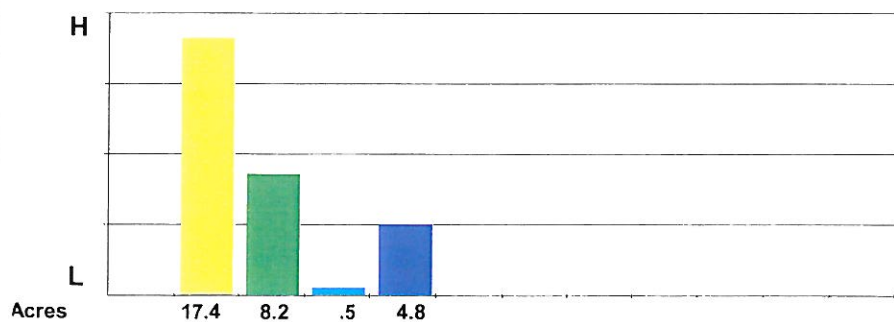
1 inch = 660 feet

Legend	
	< 210 Deficient
	210 - 290 Low
	290 - 370 Optimum
	370 - 450 High
	> 450 Excessive

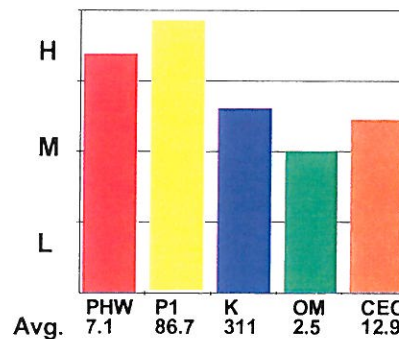
Latitude: 42.2010
Longitude: 88.7814
Grid Size: 440nsX440ew

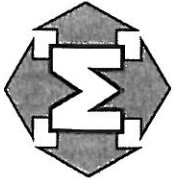


BREAKDOWN OF FIELD ACRES



FIELD NUTRIENT SUMMARY





MOWERS
Soil Testing Plus, Inc.
117 E. Main St.
P.O. Box 540
Toulon, IL 61483-0540
(309) 286-2761
(800) 354-8197
Fax (309) 286-6251

LABORATORY ANALYSIS AND RECOMMENDATION REPORT

Special Report For: Craig Johnson
Samples Submitted by: Craig Johnson
K-B Farms Inc
600 S State St Suite 300
Belvidere, IL 61008-4322

Order No: 204388
Client ID: 2584
Report Date: 10/29/2007
Farm Name: Diamond Farm
Field Name: Field 1
Field Acres: 31

Sample	Water pH	Buffer pH	Phosphorus	Pounds Per Acre			Percent Organic Matter	Parts per Million							Percent Saturation			meq/100g CEC		
				Potassium	Calcium	Magnesium		Sulfur	Zinc	Manganese	Boron	Iron	Copper	Sodium	dS/m Soluble Salts	Ca	Mg		K	H
1	7.0	7.5	82	319	2962	832	2.1									65.6	30.7	3.6	0.0	11.3
2	7.1	7.5	103	340	2981	1091	2.2									59.9	36.6	3.5	0.0	12.4
3	7.2	7.5	79	266	3275	1203	2.2									60.5	37.0	2.5	0.0	13.5
4	7.2	7.5	58	251	3662	1155	2.3									64.1	33.7	2.2	0.0	14.3
5	6.6	7.3	50	232	2999	935	2.5									59.6	30.9	2.4	7.1	12.6
6	7.4	7.5	199	548	3754	1079	3.0									64.3	30.8	4.8	0.0	14.6
7	7.3	7.5	36	226	2907	946	3.4									63.2	34.3	2.5	0.0	11.5
Field Median	7.2	7.5	80	266	3000	1080	2.3									63.2	33.7	2.5	0	12.6

	Fertility Level					Fertilizer Recommendations in pounds per acre
	V Low	Low	Medium	High	V High	
Water pH						
Phosphorus						
Potassium						
Limestone Recommendations						
Intended Crop	Yield Goal					
Build-up						$N - P_2O_5 - K_2O$
Crop Removal	IL					$N - P_2O_5 - K_2O$
**TOTAL REQUIRED						
Credits:						
**ADJUSTED RECOMMENDATIONS						
Adjust Nitrogen Recommendations for Previous Crop or other N Sources.						

CONVERSIONS: PPM = Lbs./Acre / 2 or Lbs./Acre = PPM x 2
Previous Crop None Specified Previous Yield: 0

Optimum Ranges:
Water pH: 6.3 - 6.8
Phosphorus: 50.0 - 80.0
Potassium: 290.0 - 370.0

MOWERS SOIL TESTING PLUS, INC.

Client ID: 2584
Prepared for: Craig Johnson

Order ID: 204388
Farm Name: Diamond Farm
Field Name: Field 1

GENERAL FIELD RECOMMENDATIONS

The General Fertility Recommendations are for a Four Year Program of fertility build-up and include crop removal requirements and credits for prior fertilizer plowed down. Also any credits for manure application or nitrogen carried over from prior legumes need to be subtracted. These Fertility Recommendations must be adjusted if your cropping plans or circumstances change (i.e. if crop residues are removed, different yield goals are desired, different crops are grown, etc.) When soil test levels are above the recommended levels, a credit is given at half crop removal for high levels and full crop removal for very high levels.

Use the worksheet below to keep track of your plans and actual results. Please call the Toulon Office at (309)286-2761 or (800)354-8197 if you have any questions. Any of our staff agronomists will be happy to assist you.

Intended Crop	Corn Grain	Soybean	Corn Grain	Soybean
Yield Goal	150 Bu/Ac	50 Bu/Ac	160 Bu/Ac	55 Bu/Ac
	$N - P_2O_5 - K_2O$	$N - P_2O_5 - K_2O$	$N - P_2O_5 - K_2O$	$N - P_2O_5 - K_2O$
Build up (4 years)	0 - 0 - 24	0 - 0 - 24	0 - 0 - 24	0 - 0 - 24
Crop Removal	180 - 56 - 42	0 - 42 - 65	192 - 59 - 45	0 - 46 - 72
TOTAL REQUIRED	180 - 56 - 66	0 - 42 - 89	192 - 59 - 69	0 - 46 - 96
Credits: High Fertility	0 - 0 - 0	0 - 0 - 0	0 - 0 - 0	0 - 0 - 0
ADJUSTED RECOMMENDATION	180 - 56 - 66	0 - 42 - 89	192 - 59 - 69	0 - 46 - 96
Limestone Requirements: 0 Tons/Acre				

N recommendations are based on yield. To calculate the best economic N rate based on corn and N prices, go to this website: extension.agron.iastate.edu/soilfertility/nrate.aspx

All Fertility Recommendations are expressed as pounds (units) of actual nutrients per acre. Remember to give credits for the fertility value in manure, nitrogen in dry fertilizer and previous crops, and weed control carriers.

RECORDS OF ACTUAL FERTILITY APPLIED

Year	Actual Crop	Actual Yield	Lime Tons/Ac	Nitrogen Lbs/Acre	Phosphorus Lbs/Acre	Potassium Lbs/Acre

MOWERS SOIL TESTING PLUS, INC.

Client ID: 2584
Prepared for: Craig Johnson

OrderID: 204388
FarmName: Diamond Farm
FieldName: Field 1

BUILD-UP FERTILITY RECOMMENDATIONS TABLE

Below are the actual Phosphorus units (Lbs P₂O₅/Acre) and the actual Potassium (Lbs K₂O/Acre) recommended for fertility build-up for each individual sample site. The amount shown should be applied each year for the next four years if you wish to spot fertilize the field on the basis of actual test results. A zero indicates no build-up fertility is needed because the soil test readings are at or above the recommended levels. The lime recommendation is the total limestone requirement over the four year program and may be applied in one or more applications.

Sample Number	Lime Tons/Acre	Phosphorus <i>Lbs(P₂O₅)/ Ac</i>	Potassium <i>Lbs(K₂O)/ Ac</i>	Notes
1	0.0	0	0	
2	0.0	0	0	
3	0.0	0	24	
4	0.0	0	39	
5	0.0	0	58	
6	0.0	0	0	
7	0.0	31	64	
Median	0.0	0	24	

MOWERS SOIL TESTING PLUS, INC.

Client ID: 2584
Prepared for: Craig Johnson

Order ID: 204388
Farm Name: Diamond Farm
Field Name: Field 1

YOUR FERTILITY RECOMMENDATIONS OPTIONS

Build-up phosphorus and potassium can be applied each year for four years or the total amount needed for build-up can be applied at one time (4 times the amount shown in the Build-up Fertility Recommendation Table for one year).

The Fertilizer Recommendations are based on yearly applications. If you fertilize for more than one crop at a time, simply add the Fertilizer Recommendations together for the years of these crops.

RETEST IN FOUR YEARS

Agronomist: *Sue Dorsey*

Mowers Soil Testing Plus, Inc.

Toulon, IL 61483-0540

(309)286-2761

Customer: Craig Johnson
 Field: Diam2_07 (#26666)
 Description: Diamond Farm_Field 2
 Acres: 81.7






County: Boone
 Township: Spring
 Range: 4E
 Section: 21
 Date Tested: 11/02/2007

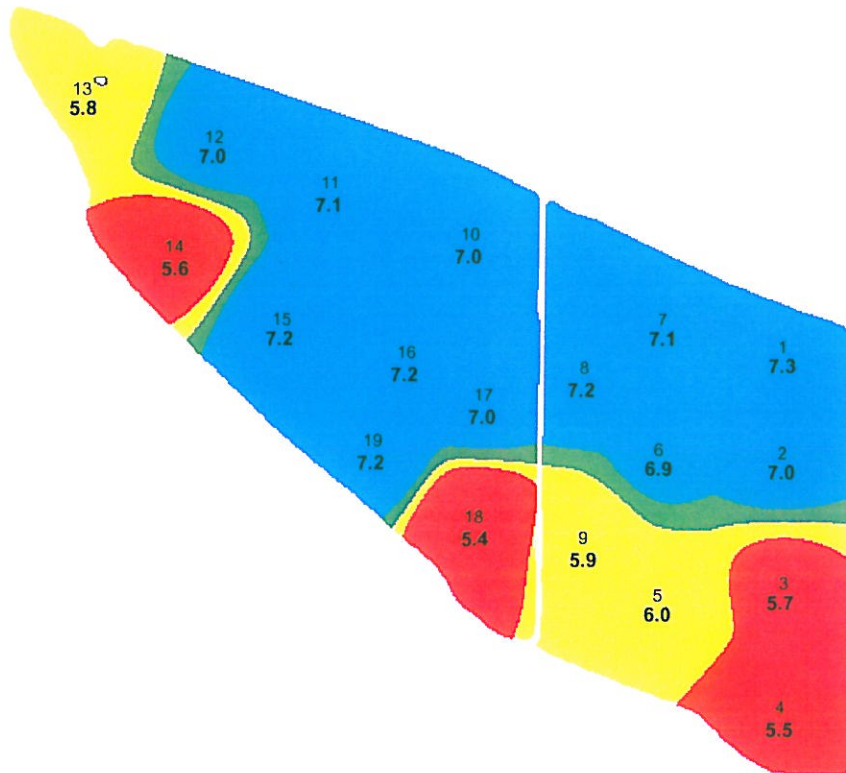
of Samples: 19

1 inch = 660 feet

Water pH Results

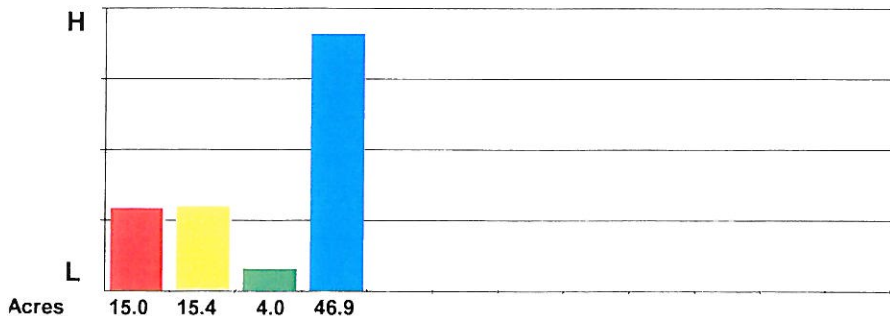
Legend

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	5.8 - 6.3 Low
	6.3 - 6.8 Optimum
	6.8 - 7.5 High
	> 7.5 Excessive

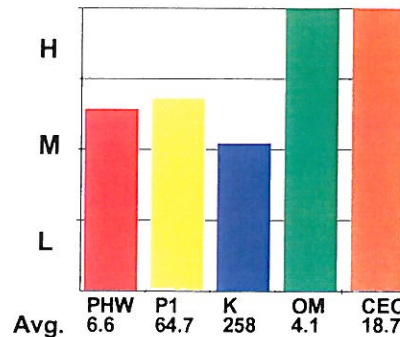


Latitude: 42.1986
 Longitude: 88.7815
 Grid Size: 440nsX440ew

BREAKDOWN OF FIELD ACRES



FIELD NUTRIENT SUMMARY



Mowers Soil Testing Plus, Inc.

Toulon, IL 61483-0540
(309)286-2761

Customer: Craig Johnson
Field: Diam2_07 (#26666)
Description: Diamond Farm_Field 2
Acres: 81.7






County: Boone
Township: Spring
Range: 4E
Section: 21
Date Tested: 11/02/2007

of Samples: 19

Phosphorus Results - Lbs/A

1 inch = 660 feet

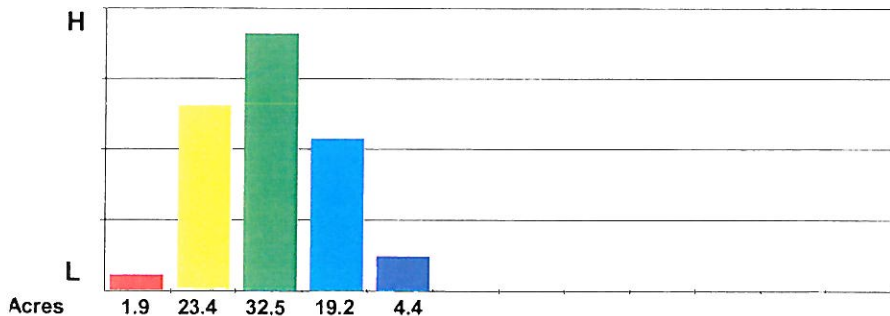
Legend

	< 30 Deficient
	30 - 50 Low
	50 - 80 Optimum
	80 - 110 High
	> 110 Excessive

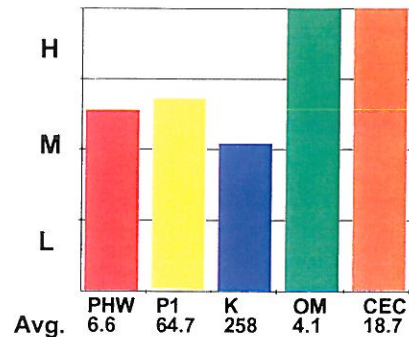


Latitude: 42.1986
Longitude: 88.7815
Grid Size: 440nsX440ew

BREAKDOWN OF FIELD ACRES



FIELD NUTRIENT SUMMARY



Mowers Soil Testing Plus, Inc.

Toulon, IL 61483-0540

(309)286-2761






Customer: Craig Johnson
 Field: Diam2_07 (#26666)
 Description: Diamond Farm_Field 2
 Acres: 81.7

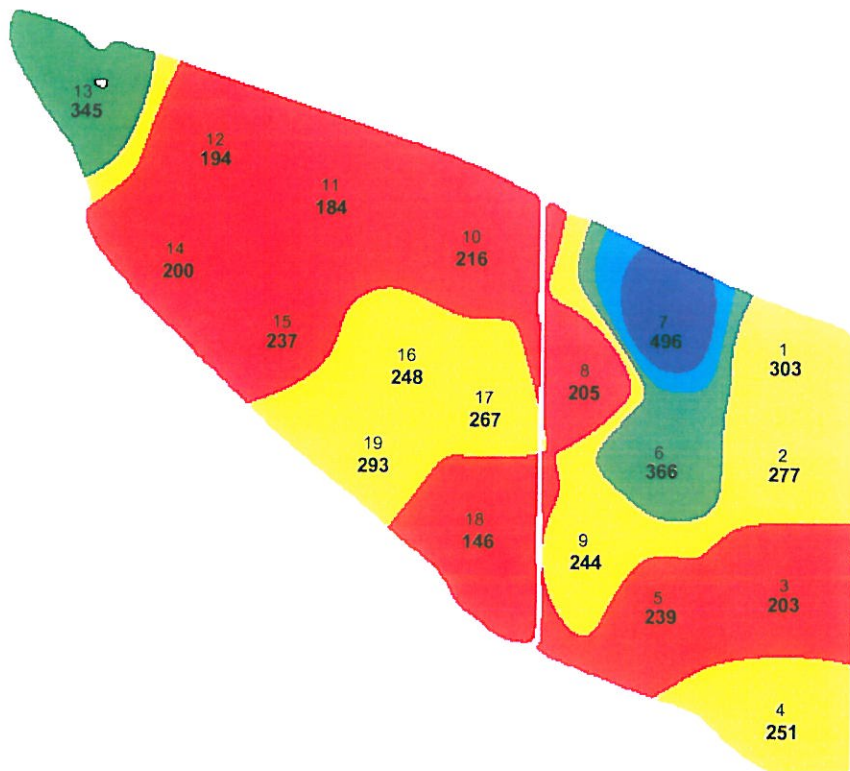
County: Boone
 Township: Spring
 Range: 4E
 Section: 21
 Date Tested: 11/02/2007

of Samples: 19
 Potassium Results - Lbs/A

1 inch = 660 feet

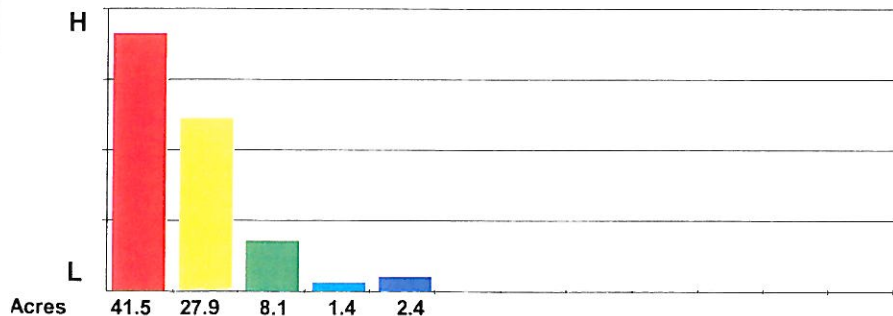
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	240 - 320 Low
	320 - 400 Optimum
	400 - 480 High
	> 480 Excessive

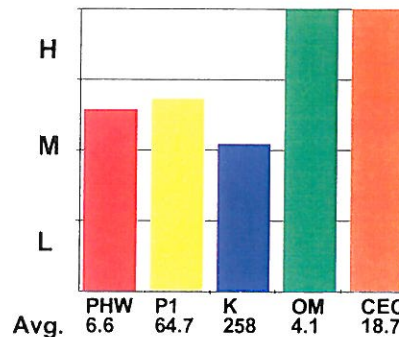


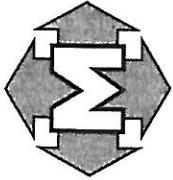
Latitude: 42.1986
 Longitude: 88.7815
 Grid Size: 440nsX440ew

BREAKDOWN OF FIELD ACRES



FIELD NUTRIENT SUMMARY





MOWERS
 Soil Testing Plus, Inc.
 117 E. Main St.
 P.O. Box 540
 Toulon, IL 61483-0540
 (309) 286-2761
 (800) 354-8197
 Fax (309) 286-6251

LABORATORY ANALYSIS AND RECOMMENDATION REPORT

Special Report For: Craig Johnson
 Samples Submitted by: Craig Johnson
 K-B Farms Inc
 600 S State St Suite 300
 Belvidere, IL 61008-4322

Order No: 204388
 Client ID: 2584
 Report Date: 10/29/2007
 Farm Name: Diamond Farm
 Field Name: Field 2
 Field Acres: 81.7

Sample	Water pH	Buffer pH	Phosphorus	Pounds Per Acre			Percent Organic Matter	Parts per Million							ds/m Soluble Salts	Percent Saturation				meq/100g CEC
				Potassium	Calcium	Magnesium		Sulfur	Zinc	Manganese	Boron	Iron	Copper	Sodium		Ca	Mg	K	H	
1	7.3	7.5	36	303	4269	1229	3.3								65.9	31.7	2.4	0.0	16.2	
2	7.0	7.5	77	277	5446	1645	4.5								65.4	32.9	1.7	0.0	20.8	
3	5.7	6.3	84	203	3938	885	4.3								53.2	20.0	1.4	25.4	18.5	
4	5.5	6.0	139	251	5465	1146	4.8								50.6	17.7	1.2	30.6	27.0	
5	6.0	6.5	60	239	5207	1123	4.4								57.9	20.8	1.4	20.0	22.5	
6	6.9	7.4	55	366	4508	1237	4.5								64.9	29.7	2.7	2.7	17.4	
7	7.1	7.5	83	496	6090	1771	4.6								65.5	31.7	2.7	0.0	23.2	
8	7.2	7.5	35	205	2889	821	3.0								66.2	31.4	2.4	0.0	10.9	
9	5.9	6.5	90	244	5318	1199	3.6								55.1	20.7	1.3	23.0	24.1	
10	7.0	7.5	104	216	3054	840	3.4								66.9	30.7	2.4	0.0	11.4	
11	7.1	7.5	54	184	2797	785	3.4								66.6	31.1	2.2	0.0	10.5	
12	7.0	7.5	30	194	3919	1153	3.5								66.0	32.4	1.7	0.0	14.9	
13	5.8	6.4	102	345	4729	1083	4.5								53.8	20.5	2.0	23.7	22.0	
14	5.6	6.2	69	200	2760	536	3.6								52.7	17.0	2.0	28.3	13.1	
15	7.2	7.5	30	237	6845	1644	4.6								70.5	28.2	1.3	0.0	24.3	
16	7.2	7.5	38	248	6293	1587	4.7								69.4	29.2	1.4	0.0	22.7	
17	7.0	7.4	43	267	6072	1664	4.8								67.6	30.9	1.5	0.0	22.5	
18	5.4	6.4	50	146	2042	486	3.0								46.9	18.6	1.7	32.8	10.9	
19	7.2	7.5	51	293	6587	1136	4.5								76.3	21.9	1.7	0.0	21.6	
Field Median	7.0	7.5	54	244	4728	1146	4.4								65.5	29.2	1.7	0	20.8	

Field Median	Fertility Level				Fertilizer Recommendations in pounds per acre
	V Low	Low	Medium	High	
Water pH	7.0				
Phosphorus	54				Intended Crop Yield Goal
Potassium	244				Build-up
Limestone Recommendations					Crop Removal IL
CONVERSIONS: PPM = Lbs./Acre / 2 or Lbs./Acre = PPM x 2					
Previous Crop None Specified Previous Yield: 0					
Optimum Ranges:					
Water pH: 6.3 - 6.8					
Phosphorus: 50.0 - 80.0					
Potassium: 320.0 - 400.0					
Credits:					
**ADJUSTED RECOMMENDATIONS					
Adjust Nitrogen Recommendations for Previous Crop or other N Sources.					

MOWERS SOIL TESTING PLUS, INC.

Client ID: 2584
Prepared for: Craig Johnson

Order ID: 204388
Farm Name: Diamond Farm
Field Name: Field 2

GENERAL FIELD RECOMMENDATIONS

The General Fertility Recommendations are for a Four Year Program of fertility build-up and include crop removal requirements and credits for prior fertilizer plowed down. Also any credits for manure application or nitrogen carried over from prior legumes need to be subtracted. These Fertility Recommendations must be adjusted if your cropping plans or circumstances change (i.e. if crop residues are removed, different yield goals are desired, different crops are grown, etc.) When soil test levels are above the recommended levels, a credit is given at half crop removal for high levels and full crop removal for very high levels.

Use the worksheet below to keep track of your plans and actual results. Please call the Toulon Office at (309)286-2761 or (800)354-8197 if you have any questions. Any of our staff agronomists will be happy to assist you.

Intended Crop	Corn Grain	Soybean	Corn Grain	Soybean
Yield Goal	150 Bu/Ac	50 Bu/Ac	160 Bu/Ac	55 Bu/Ac
	$N - P_2O_5 - K_2O$	$N - P_2O_5 - K_2O$	$N - P_2O_5 - K_2O$	$N - P_2O_5 - K_2O$
Build up (4 years)	0 - 0 - 76	0 - 0 - 76	0 - 0 - 76	0 - 0 - 76
Crop Removal	180 - 56 - 42	0 - 42 - 65	192 - 59 - 45	0 - 46 - 72
TOTAL REQUIRED	180 - 56 - 118	0 - 42 - 141	192 - 59 - 121	0 - 46 - 148
Credits: High Fertility	0 - 0 - 0	0 - 0 - 0	0 - 0 - 0	0 - 0 - 0
ADJUSTED RECOMMENDATION	180 - 56 - 118	0 - 42 - 141	192 - 59 - 121	0 - 46 - 148
Limestone Requirements: 0 Tons/Acre				

N recommendations are based on yield. To calculate the best economic N rate based on corn and N prices, go to this website: extension.agron.iastate.edu/soilfertility/nrate.aspx

All Fertility Recommendations are expressed as pounds (units) of actual nutrients per acre. Remember to give credits for the fertility value in manure, nitrogen in dry fertilizer and previous crops, and weed control carriers.

RECORDS OF ACTUAL FERTILITY APPLIED

Year	Actual Crop	Actual Yield	Lime Tons/Ac	Nitrogen Lbs/Acre	Phosphorus Lbs/Acre	Potassium Lbs/Acre

MOWERS SOIL TESTING PLUS, INC.

Client ID: 2584
Prepared for: Craig Johnson

Order ID: 204388
Farm Name: Diamond Farm
Field Name: Field 2

YOUR FERTILITY RECOMMENDATIONS OPTIONS

Build-up phosphorus and potassium can be applied each year for four years or the total amount needed for build-up can be applied at one time (4 times the amount shown in the Build-up Fertility Recommendation Table for one year).

The Fertilizer Recommendations are based on yearly applications. If you fertilize for more than one crop at a time, simply add the Fertilizer Recommendations together for the years of these crops.

RETEST IN FOUR YEARS

Agronomist: *Sue Dorsey*

Mowers Soil Testing Plus, Inc.

Toulon, IL 61483-0540

(309)286-2761

Customer: Craig Johnson
 Field: Diam3_07 (#26667)
 Description: Diamond Farm_Field 3
 Acres: 116.1

County: Boone
 Township: Spring
 Range: 4E
 Section: 21
 Date Tested: 11/02/2007

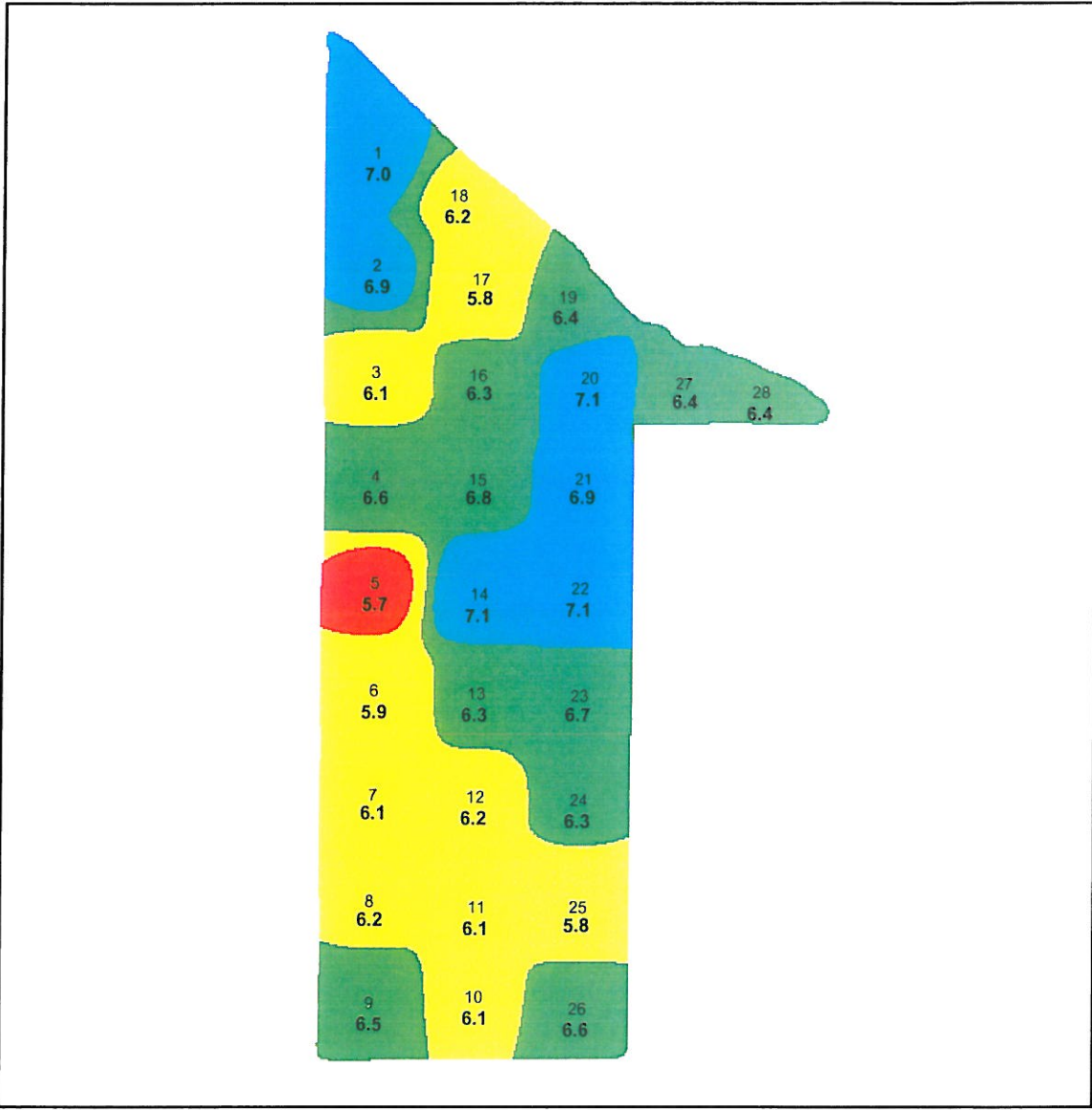
of Samples: 28

Water pH Results

1 inch = 769 feet

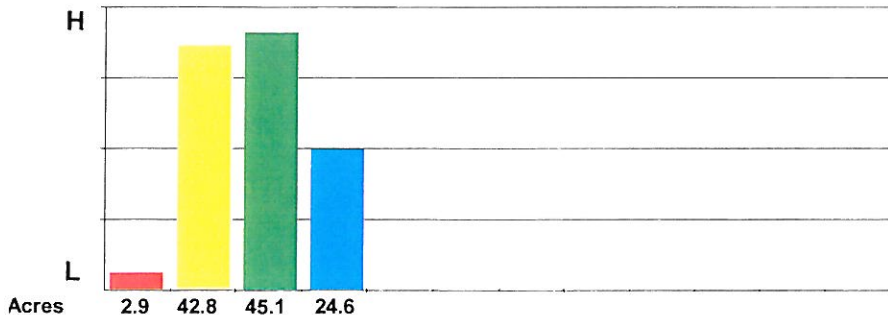
Legend

	< 5.8 Deficient
	5.8 - 6.3 Low
	6.3 - 6.8 Optimum
	6.8 - 7.5 High
	> 7.5 Excessive

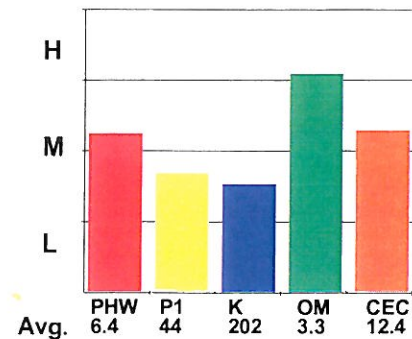


Latitude: 42.1946
 Longitude: 88.7836
 Grid Size: 440nsX440ew

BREAKDOWN OF FIELD ACRES



FIELD NUTRIENT SUMMARY



Mowers Soil Testing Plus, Inc.

Toulon, IL 61483-0540






(309)286-2761

Customer: Craig Johnson
 Field: Diam3_07 (#26667)
 Description: Diamond Farm_Field 3
 Acres: 116.1

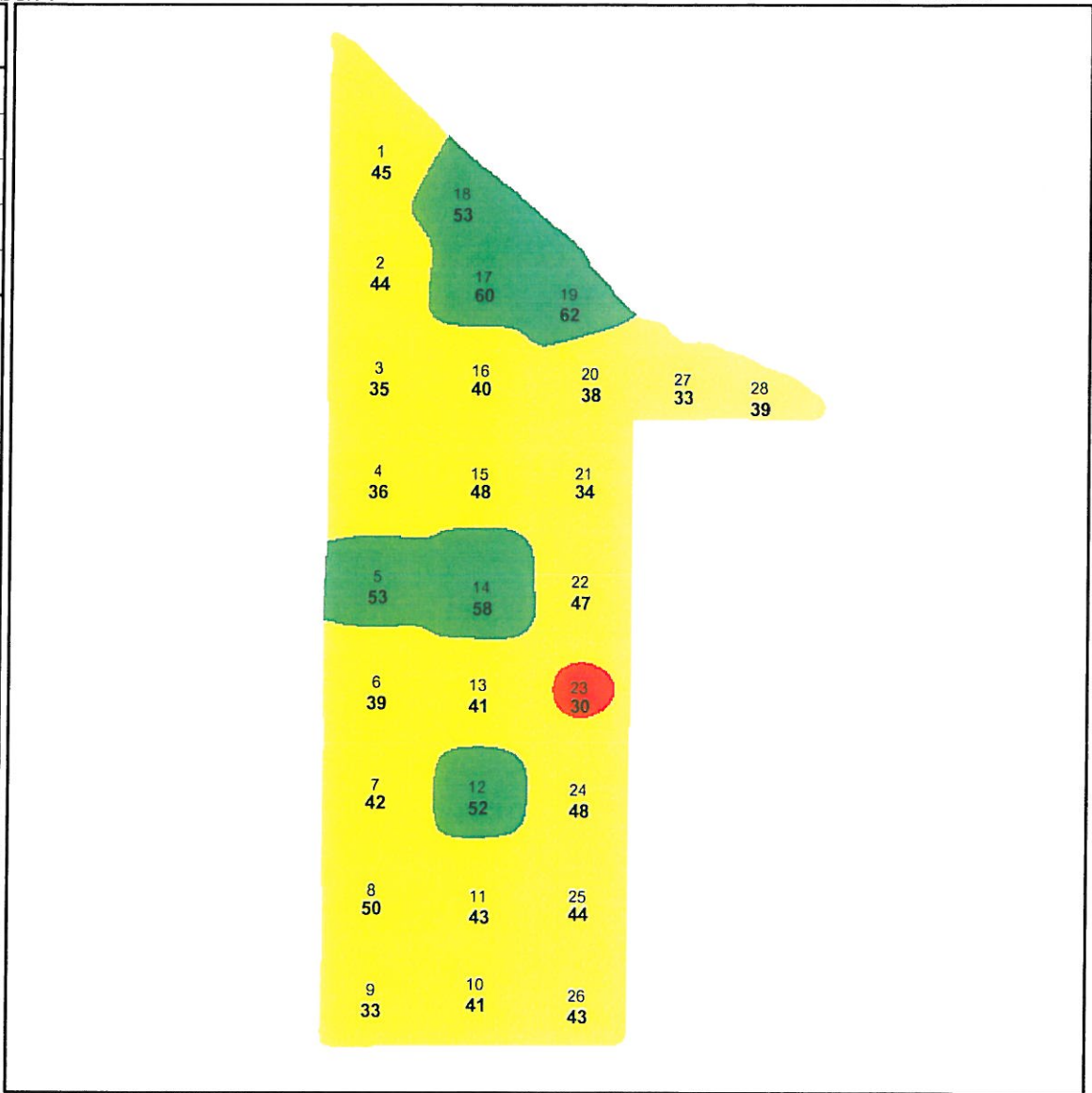
County: Boone
 Township: Spring
 Range: 4E
 Section: 21
 Date Tested: 11/02/2007

of Samples: 28
 Phosphorus Results - Lbs/A

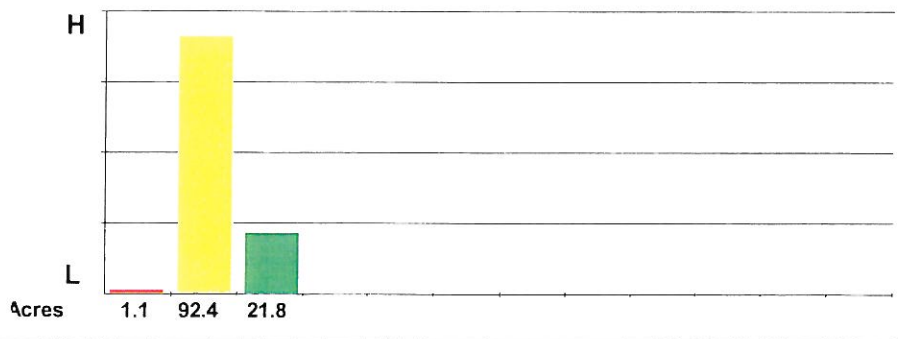
1 inch = 769 feet

Legend	
	< 30 Deficient
	30 - 50 Low
	50 - 80 Optimum
	80 - 110 High
	> 110 Excessive

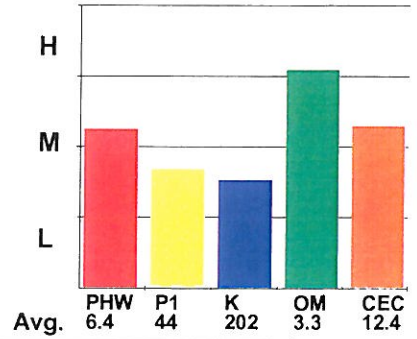
Latitude: 42.1946
 Longitude: 88.7836
 Grid Size: 440nsX440ew



BREAKDOWN OF FIELD ACRES



FIELD NUTRIENT SUMMARY



Mowers Soil Testing Plus, Inc.

Toulon, IL 61483-0540





(309)286-2761

Customer: Craig Johnson
 Field: Diam3_07 (#26667)
 Description: Diamond Farm_Field 3
 Acres: 116.1

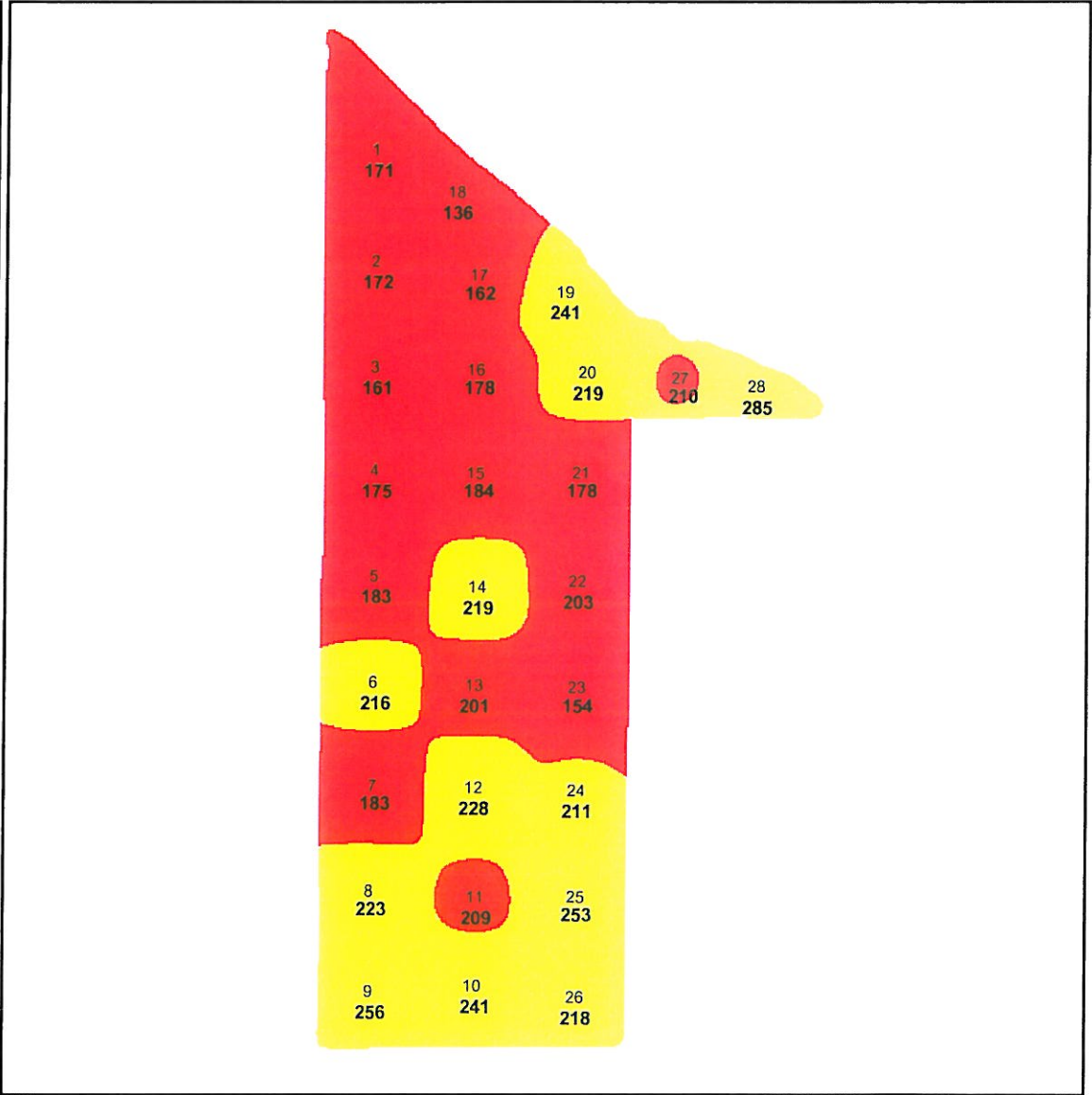
County: Boone
 Township: Spring
 Range: 4E
 Section: 21
 Date Tested: 11/02/2007

of Samples: 28
 Potassium Results - Lbs/A

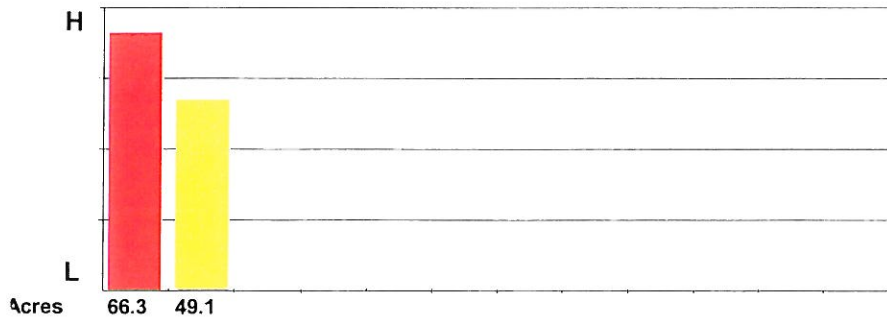
1 inch = 769 feet

Legend	
	< 210 Deficient
	210 - 290 Low
	290 - 370 Optimum
	370 - 450 High
	> 450 Excessive

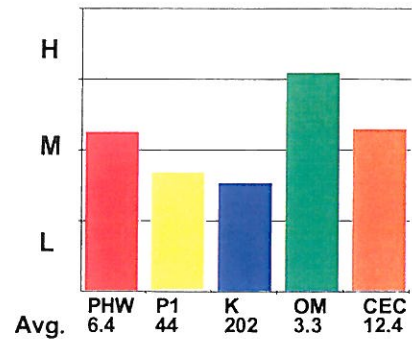
Latitude: 42.1946
Longitude: 88.7836
Grid Size: 440nsX440ew

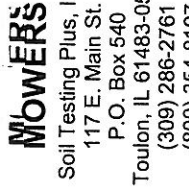


BREAKDOWN OF FIELD ACRES



FIELD NUTRIENT SUMMARY





Mowers
 Soil Testing Plus, Inc.
 117 E. Main St.
 P.O. Box 540
 Toulon, IL 61483-0540
 (309) 286-2761
 (800) 354-8197
 Fax (309) 286-6251

LABORATORY ANALYSIS AND RECOMMENDATION REPORT

Order No: 204388
 Client ID: 2584
 Report Date: 10/29/2007
 Farm Name: Diamond Farm
 Field Name: Field 3
 Field Acres: 116.1

Special Report For: Craig Johnson
 Samples Submitted by: Craig Johnson
 K-B Farms Inc
 600 S State St Suite 300
 Belvidere, IL 61008-4322

Sample	Water pH	Buffer pH	Pounds Per Acre			Percent Organic Matter	Parts per Million					Percent Saturation			meq/100g		
			Phosphorus	Potassium	Calcium		Magnesium	Sulfur	Zinc	Manganese	Boron	Iron	Copper	Sodium	dS/m Soluble Salts	Ca	Mg
1	7.0	7.5	45	171	3551	1045	3.0						66.0	32.4	1.6	0.0	13.5
2	6.9	7.5	44	172	2723	815	1.5						63.4	31.6	2.1	2.9	10.7
3	6.1	6.8	35	161	2337	697	1.6						53.4	26.5	1.9	18.2	10.9
4	6.6	7.4	36	175	2502	714	1.5						60.7	28.9	2.2	8.2	10.3
5	5.7	6.6	53	183	2208	623	2.0						48.8	22.9	2.1	26.2	11.3
6	5.9	6.6	39	216	3441	967	3.5						52.4	24.5	1.7	21.4	16.4
7	6.1	6.6	42	183	2594	642	3.8						56.1	23.2	2.0	18.7	11.6
8	6.2	6.7	50	223	2042	517	3.8						57.1	24.1	3.2	15.6	8.9
9	6.5	7.0	33	256	2502	680	3.8						60.0	27.2	3.2	9.7	10.4
10	6.1	6.6	41	241	2208	599	3.8						54.7	24.7	3.1	17.5	10.1
11	6.1	6.6	43	209	2392	652	3.8						54.3	24.7	2.4	18.6	11.0
12	6.2	6.7	52	228	2521	667	3.8						56.2	24.8	2.6	16.5	11.2
13	6.3	6.8	41	201	2613	775	3.8						56.5	27.9	2.2	13.4	11.6
14	7.1	7.5	58	219	2631	777	3.8						65.1	32.1	2.8	0.0	10.1
15	6.8	7.3	48	184	2374	707	3.8						61.9	30.7	2.5	4.9	9.6
16	6.3	6.8	40	178	2668	771	3.8						57.1	27.5	2.0	13.4	11.7
17	5.8	6.4	60	162	2171	555	3.8						51.4	21.9	2.0	24.8	10.6
18	6.2	6.7	53	136	2134	557	3.8						57.6	25.0	1.9	15.5	9.3
19	6.4	6.9	62	241	3257	1064	3.8						56.2	30.6	2.1	11.1	14.5
20	7.1	7.5	38	219	3533	1030	3.0						65.9	32.0	2.1	0.0	13.4
21	6.9	7.5	34	178	2889	889	3.1						62.9	32.3	2.0	2.9	11.5
22	7.1	7.5	47	203	2742	885	3.2						63.4	34.1	2.4	0.0	10.8
23	6.7	7.3	30	154	2650	798	3.0						61.9	31.1	1.8	5.2	10.7
24	6.3	6.9	48	211	2742	893	3.1						54.8	29.7	2.2	13.3	12.5
25	5.8	6.5	44	253	2907	808	3.2						50.7	23.5	2.3	23.5	14.3
26	6.6	7.2	43	218	2208	631	3.0						60.2	28.7	3.0	8.0	9.2
27	6.4	6.9	33	210	6514	1290	4.5						64.9	21.4	1.1	12.7	25.1
28	6.4	6.8	39	285	6164	1410	4.7						62.6	23.9	1.5	12.0	24.6
Field Median	6.4	6.8	44	206	2622	774	3.8						57.4	27.4	2.1	13.0	11.1

MOWERS SOIL TESTING PLUS, INC.

Client ID: 2584
Prepared for: Craig Johnson

Order ID: 204388
Farm Name: Diamond Farm
Field Name: Field 3

YOUR FERTILITY RECOMMENDATIONS OPTIONS

Adjust the limestone recommendations for your tillage practices.

Build-up phosphorus and potassium can be applied each year for four years or the total amount needed for build-up can be applied at one time (4 times the amount shown in the Build-up Fertility Recommendation Table for one year).

The Fertilizer Recommendations are based on yearly applications. If you fertilize for more than one crop at a time, simply add the Fertilizer Recommendations together for the years of these crops.

RETEST IN FOUR YEARS

Agronomist:

Sue Darcy

Tracts

33, 34 & 35

Mowers Soil Testing Plus, Inc.

Toulon, IL 61483-0540

(309)286-2761

Customer: Craig Johnson
Farm Name: Elling
Description: Ellingson Farm

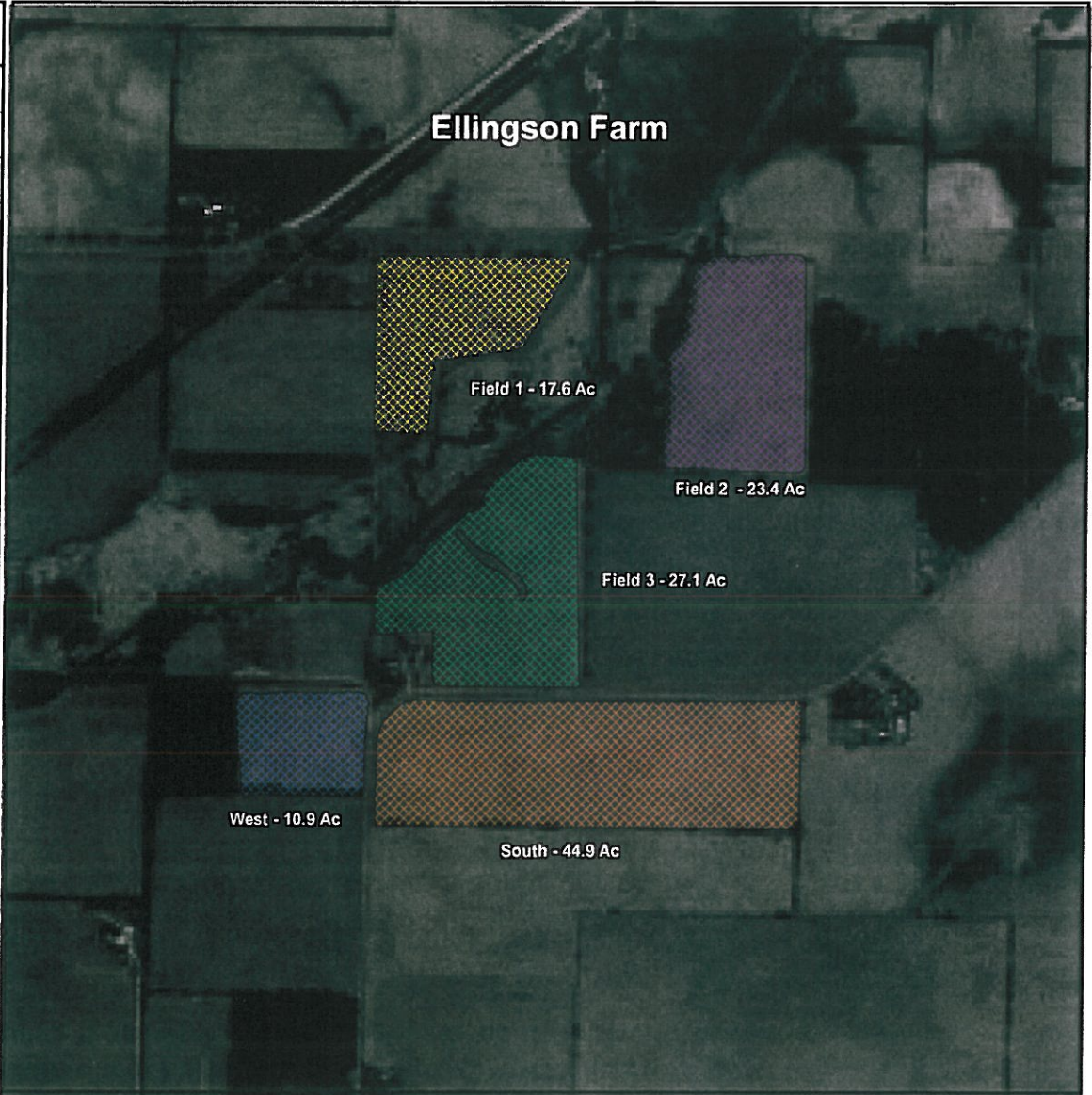
City: Belvidere
State: IL
Zip: 61008

Farm Map

1 inch = 1099 feet

Legend

[Cross-hatch pattern]	
[Cross-hatch pattern]	
[Cross-hatch pattern]	
[Cross-hatch pattern]	
[Cross-hatch pattern]	
[Cross-hatch pattern]	
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[Cross-hatch pattern]	
[Cross-hatch pattern]	
[Cross-hatch pattern]	



Latitude: 42.3755

Longitude: 88.7923

Mowers Soil Testing Plus, Inc.

Toulon, IL 61483-0540

(309)286-2761

Customer: Craig Johnson

Field: EL123_07 (#27612)

Description: Ellingson Farm_Fields 1,2,3

Acres: 68.1

of Samples: 17

Water pH Results

County: Boone






Township: Boone;Poplar

Range: 4E

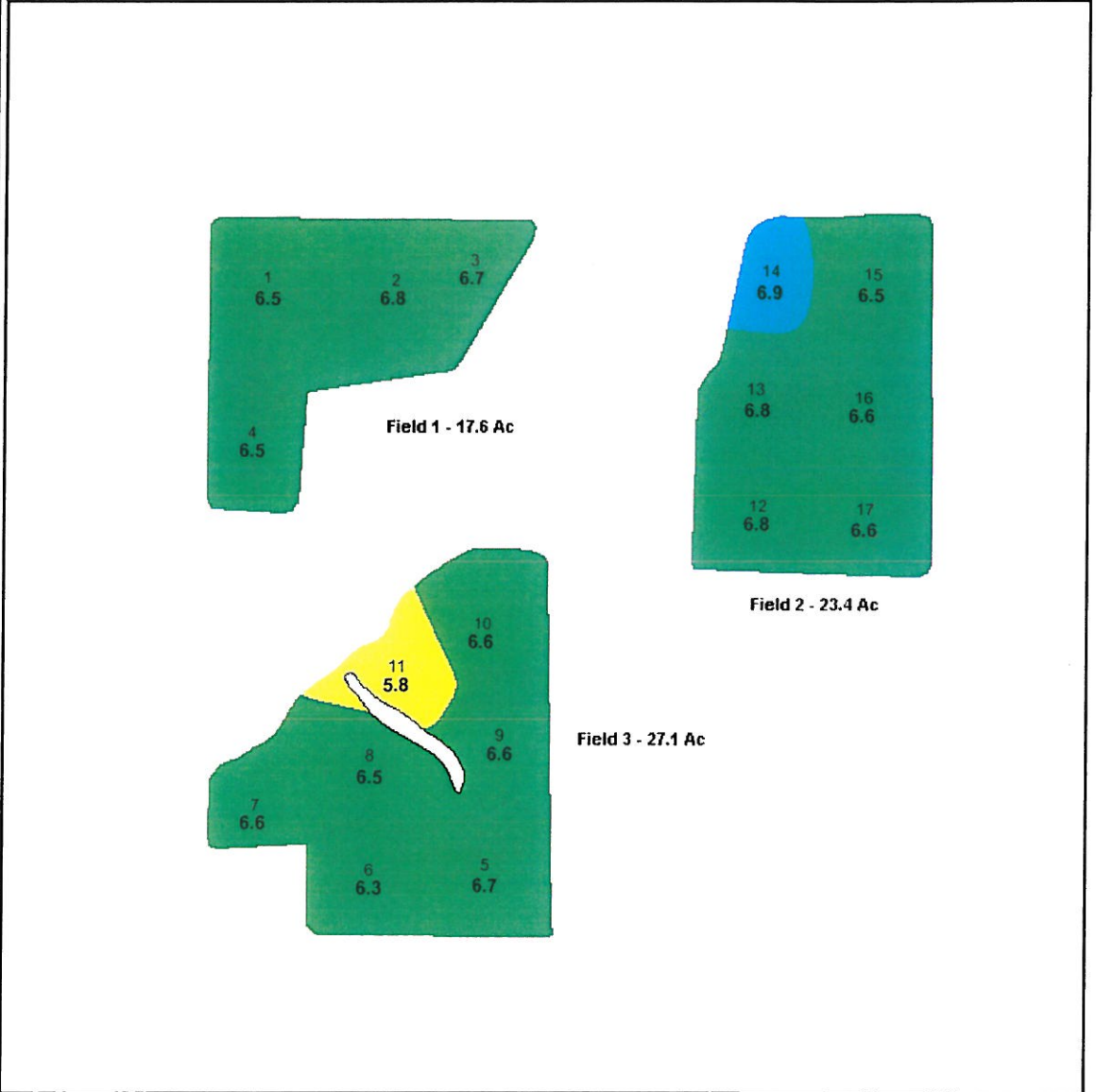
Section: 20;21

Date Tested: 11/13/2007

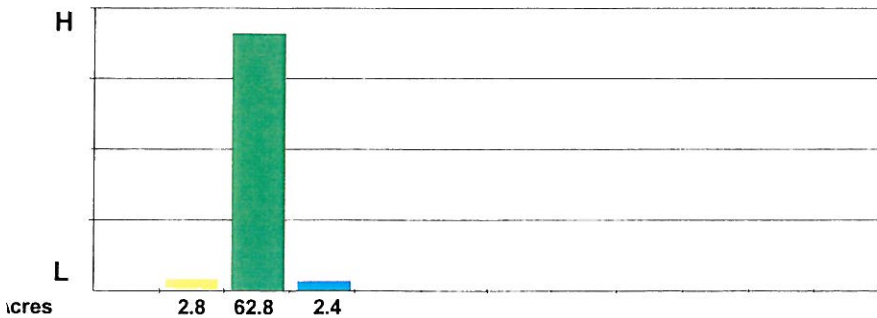
1 inch = 660 feet

Legend	
	< 5.8 Deficient
	5.8 - 6.3 Low
	6.3 - 6.8 Optimum
	6.8 - 7.5 High
	> 7.5 Excessive

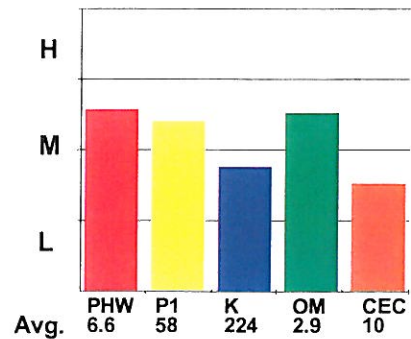
Latitude: 42.3735
Longitude: 88.7867



BREAKDOWN OF FIELD ACRES



FIELD NUTRIENT SUMMARY



Mowers Soil Testing Plus, Inc.






Toulon, IL 61483-0540
(309)286-2761

Customer: Craig Johnson
Field: EL123_07 (#27612)
Description: Ellingson Farm_Fields 1,2,3
Acres: 68.1
of Samples: 17

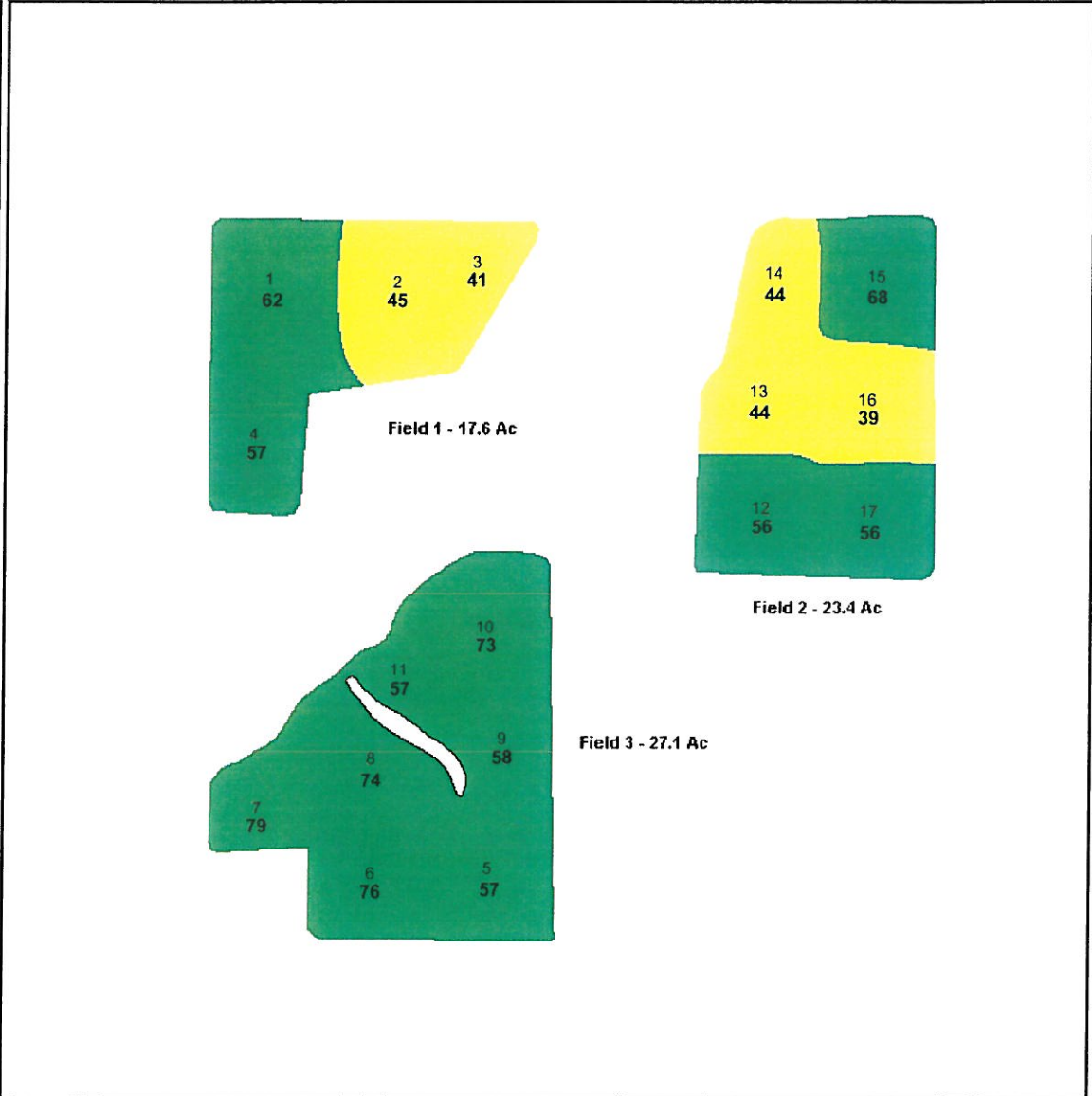
County: Boone
Township: Boone;Poplar
Range: 4E
Section: 20;21
Date Tested: 11/13/2007

Phosphorus Results - Lbs/A

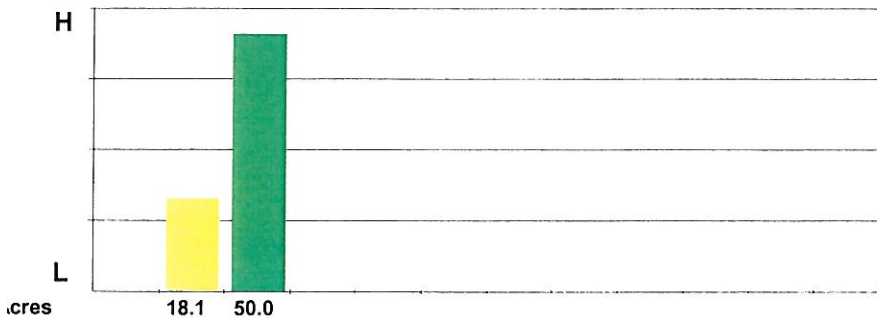
1 inch = 660 feet

Legend	
	< 30 Deficient
	30 - 50 Low
	50 - 80 Optimum
	80 - 110 High
	> 110 Excessive

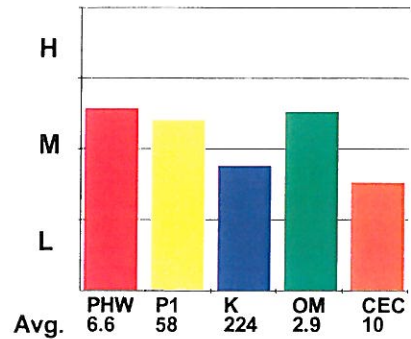
Latitude: 42.3735
Longitude: 88.7867



BREAKDOWN OF FIELD ACRES



FIELD NUTRIENT SUMMARY



Mowers Soil Testing Plus, Inc.






Toulon, IL 61483-0540
(309)286-2761

Customer: Craig Johnson
Field: EL123_07 (#27612)
Description: Ellingson Farm_Fields 1,2,3
Acres: 68.1
of Samples: 17

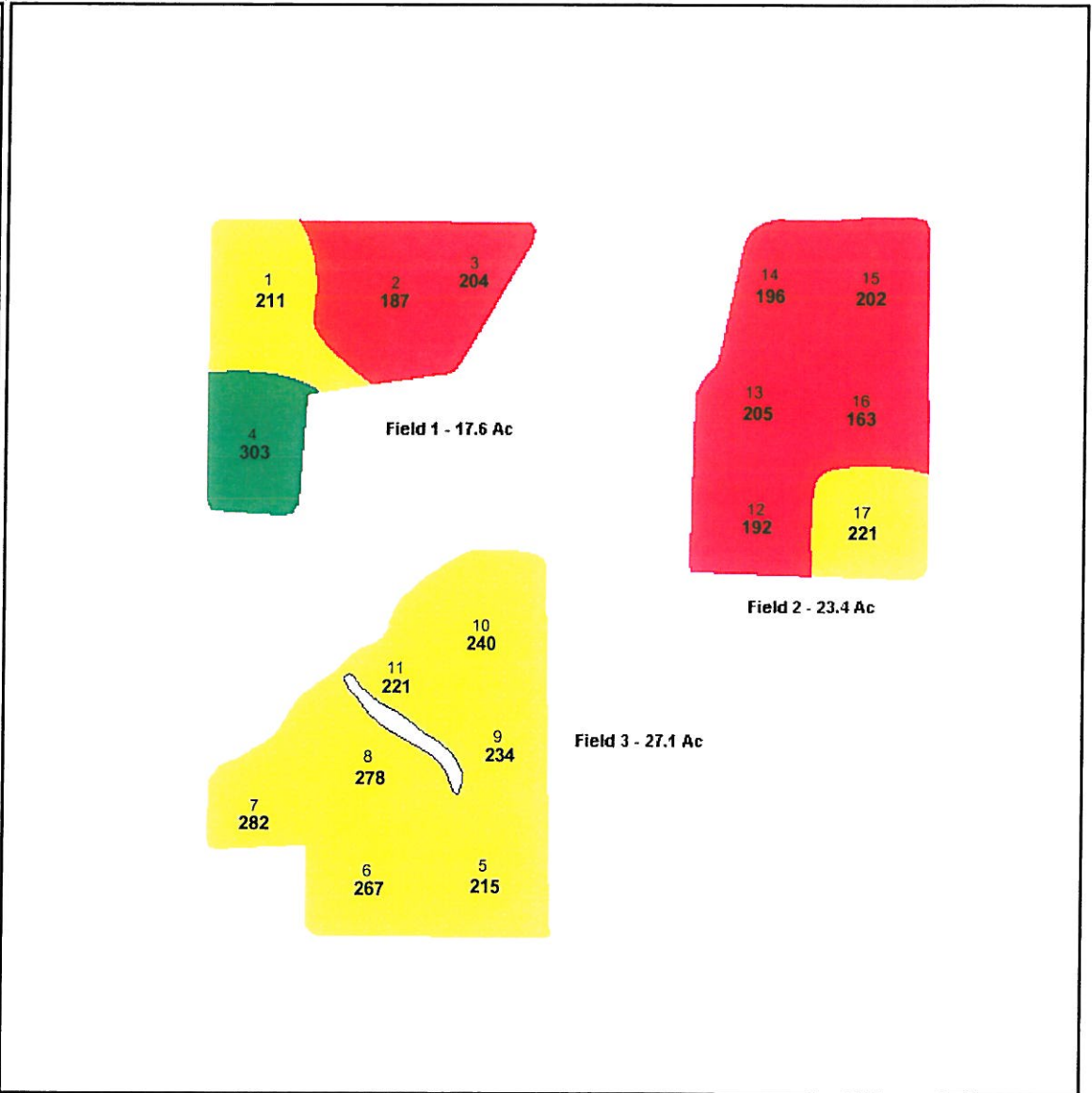
County: Boone
Township: Boone;Poplar
Range: 4E
Section: 20;21
Date Tested: 11/13/2007

Potassium Results - Lbs/A

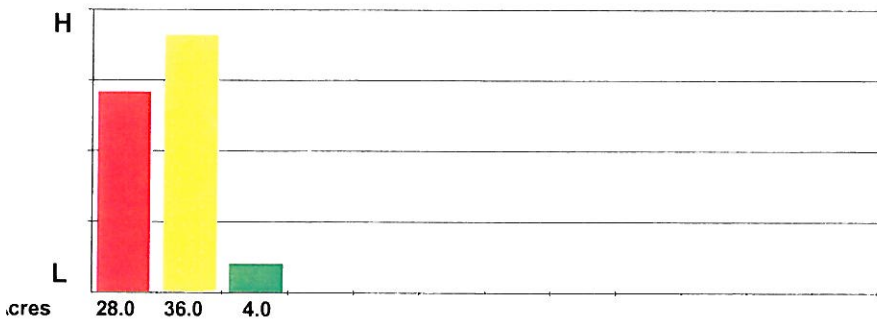
1 inch = 660 feet

Legend	
	< 210 Deficient
	210 - 290 Low
	290 - 370 Optimum
	370 - 450 High
	> 450 Excessive

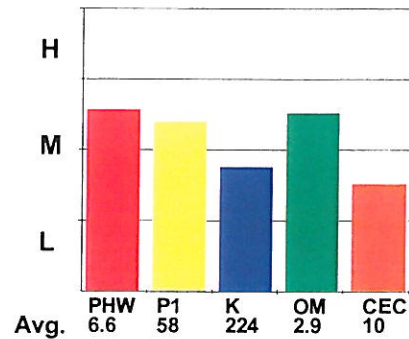
Latitude: 42.3735
Longitude: 88.7867

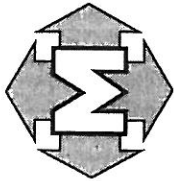


BREAKDOWN OF FIELD ACRES



FIELD NUTRIENT SUMMARY





MOWERS
 Soil Testing Plus, Inc.
 117 E. Main St.
 P.O. Box 540
 Toulon, IL 61483-0540
 (309) 286-2761
 (800) 354-8197
 Fax (309) 286-6251

LABORATORY ANALYSIS AND RECOMMENDATION REPORT

Special Report For: Craig Johnson
 Samples Submitted by: Craig Johnson
 K-B Farms Inc
 600 S State St Suite 300
 Belvidere, IL 61008-4322

Order No: 213581
 Client ID: 2584
 Report Date: 11/9/2007
 Farm Name: Ellingson Farm
 Field Name: 1
 Field Acres: 17.6

Sample	Pounds Per Acre				Parts per Million				Percent Saturation			meq/100g							
	Water pH	Buffer pH	Phosphorus	Potassium	Calcium	Mag-nesium	Percent Organic Matter	Sulfur	Zinc	Manganese	Boron		Iron	Copper	Sodium	dS/m Soluble Salts	Ca	Mg	K
1	6.5	7.1	62	211	1768	513	3.1								58.5	28.3	3.6	9.7	7.6
2	6.8	7.4	45	187	2521	847	3.0								59.6	33.4	2.3	4.8	10.6
3	6.7	7.3	41	204	2447	798	3.1								59.4	32.3	2.5	5.7	10.3
4	6.5	7.1	57	303	2042	638	3.0								56.3	29.3	4.3	10.1	9.1
Field Median	6.6	7.2	52	208	2244	718	3.0								59.0	30.8	3.1	7.7	9.7

Field Median	Fertility Level				Fertilizer Recommendations in pounds per acre
	V Low	Low	Medium	High	
Water pH					
Phosphorus					
Potassium					
Limestone Recommendations					
Intended Crop	Yield Goal				
Build-up	N - P ₂ O ₅ - K ₂ O				
Crop Removal	IL				
**TOTAL REQUIRED					
Credits:					
**ADJUSTED RECOMMENDATIONS					
Adjust Nitrogen Recommendations for Previous Crop or other N Sources.					

CONVERSIONS: PPM = Lbs./Acre / 2 or Lbs./Acre = PPM x 2
 Previous Crop Corn Grain Previous Yield: 0 Bu/Ac

Optimum Ranges:
 Water pH: 6.3 - 6.8
 Phosphorus: 50.0 - 80.0
 Potassium: 290.0 - 370.0

MOWERS SOIL TESTING PLUS, INC.

Client ID: 2584
 Prepared for: Craig Johnson

Order ID: 213581
 Farm Name: Ellingson Farm
 Field Name: 1

GENERAL FIELD RECOMMENDATIONS

The General Fertility Recommendations are for a Four Year Program of fertility build-up and include crop removal requirements and credits for prior fertilizer plowed down. Also any credits for manure application or nitrogen carried over from prior legumes need to be subtracted. These Fertility Recommendations must be adjusted if your cropping plans or circumstances change (i.e. if crop residues are removed, different yield goals are desired, different crops are grown, etc.) When soil test levels are above the recommended levels, a credit is given at half crop removal for high levels and full crop removal for very high levels.

Use the worksheet below to keep track of your plans and actual results. Please call the Toulon Office at (309)286-2761 or (800)354-8197 if you have any questions. Any of our staff agronomists will be happy to assist you.

Intended Crop	Corn Grain	Soybean	Corn Grain	Soybean
Yield Goal	150 Bu/Ac	50 Bu/Ac	175 Bu/Ac	60 Bu/Ac
	$N - P_2O_5 - K_2O$	$N - P_2O_5 - K_2O$	$N - P_2O_5 - K_2O$	$N - P_2O_5 - K_2O$
Build up (4 years)	0 - 0 - 83	0 - 0 - 83	0 - 0 - 83	0 - 0 - 83
Crop Removal	180 - 56 - 42	0 - 42 - 65	210 - 65 - 49	0 - 50 - 78
TOTAL REQUIRED	180 - 56 - 125	0 - 42 - 148	210 - 65 - 132	0 - 50 - 161
Credits: High Fertility	0 - 0 - 0	0 - 0 - 0	0 - 0 - 0	0 - 0 - 0
ADJUSTED RECOMMENDATION	180 - 56 - 125	0 - 42 - 148	210 - 65 - 132	0 - 50 - 161
Limestone Requirements: 0 Tons/Acre				

N recommendations are based on yield. To calculate the best economic N rate based on corn and N prices, go to this website: extension.agron.iastate.edu/soilfertility/nrate.aspx

All Fertility Recommendations are expressed as pounds (units) of actual nutrients per acre. Remember to give credits for the fertility value in manure, nitrogen in dry fertilizer and previous crops, and weed control carriers.

RECORDS OF ACTUAL FERTILITY APPLIED

Year	Actual Crop	Actual Yield	Lime Tons/Ac	Nitrogen Lbs/Acre	Phosphorus Lbs/Acre	Potassium Lbs/Acre

MOWERS SOIL TESTING PLUS, INC.

Client ID: 2584
Prepared for: Craig Johnson

OrderID: 213581
FarmName: Ellingson Farm
FieldName: 1

BUILD-UP FERTILITY RECOMMENDATIONS TABLE

Below are the actual Phosphorus units (Lbs P₂O₅/Acre) and the actual Potassium (Lbs K₂O/Acre) recommended for fertility build-up for each individual sample site. The amount shown should be applied each year for the next four years if you wish to spot fertilize the field on the basis of actual test results. A zero indicates no build-up fertility is needed because the soil test readings are at or above the recommended levels. The lime recommendation is the total limestone requirement over the four year program and may be applied in one or more applications.

Sample Number	Lime Tons/Acre	Phosphorus <i>Lbs(P₂O₅)/ Ac</i>	Potassium <i>Lbs(K₂O)/ Ac</i>	Notes
1	0.4	0	49	
2	0.0	11	103	
3	0.0	21	86	
4	0.0	0	0	
Median	0.0	0	83	

MOWERS SOIL TESTING PLUS, INC.

Client ID: 2584
Prepared for: Craig Johnson

Order ID: 213581
Farm Name: Ellingson Farm
Field Name: 1

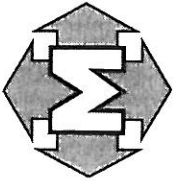
YOUR FERTILITY RECOMMENDATIONS OPTIONS

Build-up phosphorus and potassium can be applied each year for four years or the total amount needed for build-up can be applied at one time (4 times the amount shown in the Build-up Fertility Recommendation Table for one year).

The Fertilizer Recommendations are based on yearly applications. If you fertilize for more than one crop at a time, simply add the Fertilizer Recommendations together for the years of these crops.

RETEST IN FOUR YEARS

Agronomist: *Sue Dray*



MOWERS
 Soil Testing Plus, Inc.
 117 E. Main St.
 P.O. Box 540
 Toulon, IL 61483-0540
 (309) 286-2761
 (800) 354-8197
 Fax (309) 286-6251

LABORATORY ANALYSIS AND RECOMMENDATION REPORT

Special Report For: Craig Johnson
 Order No: 213581
 Samples Submitted by: Craig Johnson
 Client ID: 2584
 Report Date: 11/9/2007
 Farm Name: Ellingson Farm
 Field Name: 3
 Field Acres: 27.1

Sample	Water pH	Buffer pH	Phosphorus	Pounds Per Acre			Percent Organic Matter	Parts per Million							Percent Saturation			meq/100g				
				Potassium	Calcium	Magnesium		Sulfur	Zinc	Manganese	Boron	Iron	Copper	Sodium	Soluble Salts	Ca	Mg		K	H	CEC	
5	6.7	7.3	57	215	2484	832	2.7											58.9	32.9	2.6	5.6	10.5
6	6.3	6.9	76	267	2466	773	2.8											53.9	28.2	3.0	14.9	11.4
7	6.6	7.2	79	282	2576	832	2.7											58.2	31.4	3.3	7.1	11.1
8	6.5	7.1	74	278	2466	840	2.8											55.0	31.2	3.2	10.7	11.2
9	6.6	7.2	58	234	2447	790	2.9											57.9	31.2	2.8	8.0	10.6
10	6.6	7.2	73	240	2870	1032	2.7											55.4	33.2	2.4	9.0	12.9
11	5.8	6.5	57	221	2153	751	2.8											46.0	26.7	2.4	24.9	11.7
Field Median	6.6	7.2	74	240	2466	832	2.8											55.4	31.2	2.8	9.0	11.2

Field Median	Fertility Level					Fertilizer Recommendations in pounds per acre
	V Low	Low	Medium	High	V High	
Water pH	6.6					
Phosphorus	74					
Potassium	240					
Limestone Recommendations						
Intended Crop						$N - P_2O_5 - K_2O$
Yield Goal						$N - P_2O_5 - K_2O$
Build-up						
Crop Removal						IL
**TOTAL REQUIRED						
Credits:						
**ADJUSTED RECOMMENDATIONS						
Adjust Nitrogen Recommendations for Previous Crop or other N Sources.						

CONVERSIONS: PPM = Lbs./Acre / 2 or Lbs./Acre = PPM x 2
 Previous Crop None Specified Previous Yield: 0
 Optimum Ranges:
 Water pH: 6.3 - 6.8
 Phosphorus: 50.0 - 80.0
 Potassium: 290.0 - 370.0

MOWERS SOIL TESTING PLUS, INC.

Client ID: 2584
Prepared for: Craig Johnson

OrderID: 213581
FarmName: Ellingson Farm
FieldName: 3

BUILD-UP FERTILITY RECOMMENDATIONS TABLE

Below are the actual Phosphorus units (Lbs P₂O₅/Acre) and the actual Potassium (Lbs K₂O/Acre) recommended for fertility build-up for each individual sample site. The amount shown should be applied each year for the next four years if you wish to spot fertilize the field on the basis of actual test results. A zero indicates no build-up fertility is needed because the soil test readings are at or above the recommended levels. The lime recommendation is the total limestone requirement over the four year program and may be applied in one or more applications.

Sample Number	Lime Tons/Acre	Phosphorus <i>Lbs(P₂O₅)/ Ac</i>	Potassium <i>Lbs(K₂O)/ Ac</i>	Notes
5	0.0	0	75	
6	0.8	0	23	
7	0.0	0	8	
8	0.0	0	12	
9	0.0	0	56	
10	0.0	0	50	
11	2.7	0	69	
Median	0.0	0	50	

MOWERS SOIL TESTING PLUS, INC.

Client ID: 2584
Prepared for: Craig Johnson

Order ID: 213581
Farm Name: Ellingson Farm
Field Name: 3

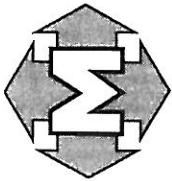
YOUR FERTILITY RECOMMENDATIONS OPTIONS

Build-up phosphorus and potassium can be applied each year for four years or the total amount needed for build-up can be applied at one time (4 times the amount shown in the Build-up Fertility Recommendation Table for one year).

The Fertilizer Recommendations are based on yearly applications. If you fertilize for more than one crop at a time, simply add the Fertilizer Recommendations together for the years of these crops.

RETEST IN FOUR YEARS

Agronomist: *Sue Dorsey*



MOWERS
 Soil Testing Plus, Inc.
 117 E. Main St.
 P.O. Box 540
 Toulon, IL 61483-0540
 (309) 286-2761
 (800) 354-8197
 Fax (309) 286-6251

LABORATORY ANALYSIS AND RECOMMENDATION REPORT

Special Report For: Craig Johnson
 Samples Submitted by: Craig Johnson
 K-B Farms Inc
 600 S State St Suite 300
 Belvidere, IL 61008-4322

Order No: 213581
 Client ID: 2584
 Report Date: 11/9/2007
 Farm Name: Ellingson Farm
 Field Name: 2
 Field Acres: 23.4

Sample	Pounds Per Acre				Parts per Million				Percent Saturation				meq/100g							
	Water pH	Buffer pH	Phosphorus	Potassium	Calcium	Magnesium	Organic Matter	Sulfur	Zinc	Manganese	Boron	Iron		Copper	Sodium	Soluble Salts	dS/m	Ca	Mg	K
12	6.8	7.4	56	192	2171	568	3.1									64.3	28.1	2.9	4.7	8.4
13	6.8	7.4	44	205	2226	690	2.9									61.7	31.8	2.9	3.6	9.0
14	6.9	7.5	44	196	2539	842	2.7									61.1	33.7	2.4	2.8	10.4
15	6.5	7.1	68	202	1663	528	2.9									57.0	30.1	3.5	9.4	7.3
16	6.6	7.2	39	163	1969	627	2.8									58.5	31.0	2.5	8.0	8.4
17	6.6	7.2	56	221	2006	650	2.9									57.7	31.1	3.3	7.9	8.7
Field Median	6.7	7.3	50	198	2088	638	2.9									59.8	31.1	2.9	6.3	8.6

Field Median	Fertility Level					Fertilizer Recommendations in pounds per acre
	V Low	Low	Medium	High	V High	
Water pH	6.7					
Phosphorus	50					$N - P_2O_5 - K_2O$
Potassium	198					$N - P_2O_5 - K_2O$
Limestone Recommendations						
Intended Crop						
Yield Goal						
Build-up						
Crop Removal						IL
**TOTAL REQUIRED						
Credits:						
**ADJUSTED RECOMMENDATIONS						
Adjust Nitrogen Recommendations for Previous Crop or other N Sources.						

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

Previous Crop None Specified Previous Yield: 0

Optimum Ranges:

Water pH: 6.3 - 6.8

Phosphorus: 50.0 - 80.0

Potassium: 290.0 - 370.0

MOWERS SOIL TESTING PLUS, INC.

Client ID: 2584
Prepared for: Craig Johnson

OrderID: 213581
FarmName: Ellingson Farm
FieldName: 2

BUILD-UP FERTILITY RECOMMENDATIONS TABLE

Below are the actual Phosphorus units (Lbs P₂O₅/Acre) and the actual Potassium (Lbs K₂O/Acre) recommended for fertility build-up for each individual sample site. The amount shown should be applied each year for the next four years if you wish to spot fertilize the field on the basis of actual test results. A zero indicates no build-up fertility is needed because the soil test readings are at or above the recommended levels. The lime recommendation is the total limestone requirement over the four year program and may be applied in one or more applications.

Sample Number	Lime Tons/Acre	Phosphorus <i>Lbs(P₂O₅)/ Ac</i>	Potassium <i>Lbs(K₂O)/ Ac</i>	Notes
12	0.0	0	98	
13	0.0	13	85	
14	0.0	13	94	
15	0.3	0	58	
16	0.0	25	127	
17	0.0	0	69	
Median	0.0	0	91	

MOWERS SOIL TESTING PLUS, INC.

Client ID: 2584
Prepared for: Craig Johnson

Order ID: 213581
Farm Name: Ellingson Farm
Field Name: 2

YOUR FERTILITY RECOMMENDATIONS OPTIONS

Build-up phosphorus and potassium can be applied each year for four years or the total amount needed for build-up can be applied at one time (4 times the amount shown in the Build-up Fertility Recommendation Table for one year).

The Fertilizer Recommendations are based on yearly applications. If you fertilize for more than one crop at a time, simply add the Fertilizer Recommendations together for the years of these crops.

RETEST IN FOUR YEARS

Agronomist: _____

Sue Dasey

Mowers Soil Testing Plus, Inc.






Toulon, IL 61483-0540
(309)286-2761

Customer: Craig Johnson
Field: ElliS-07 (#27615)
Description: Ellingson Farm_South
Acres: 44.9
of Samples: 12

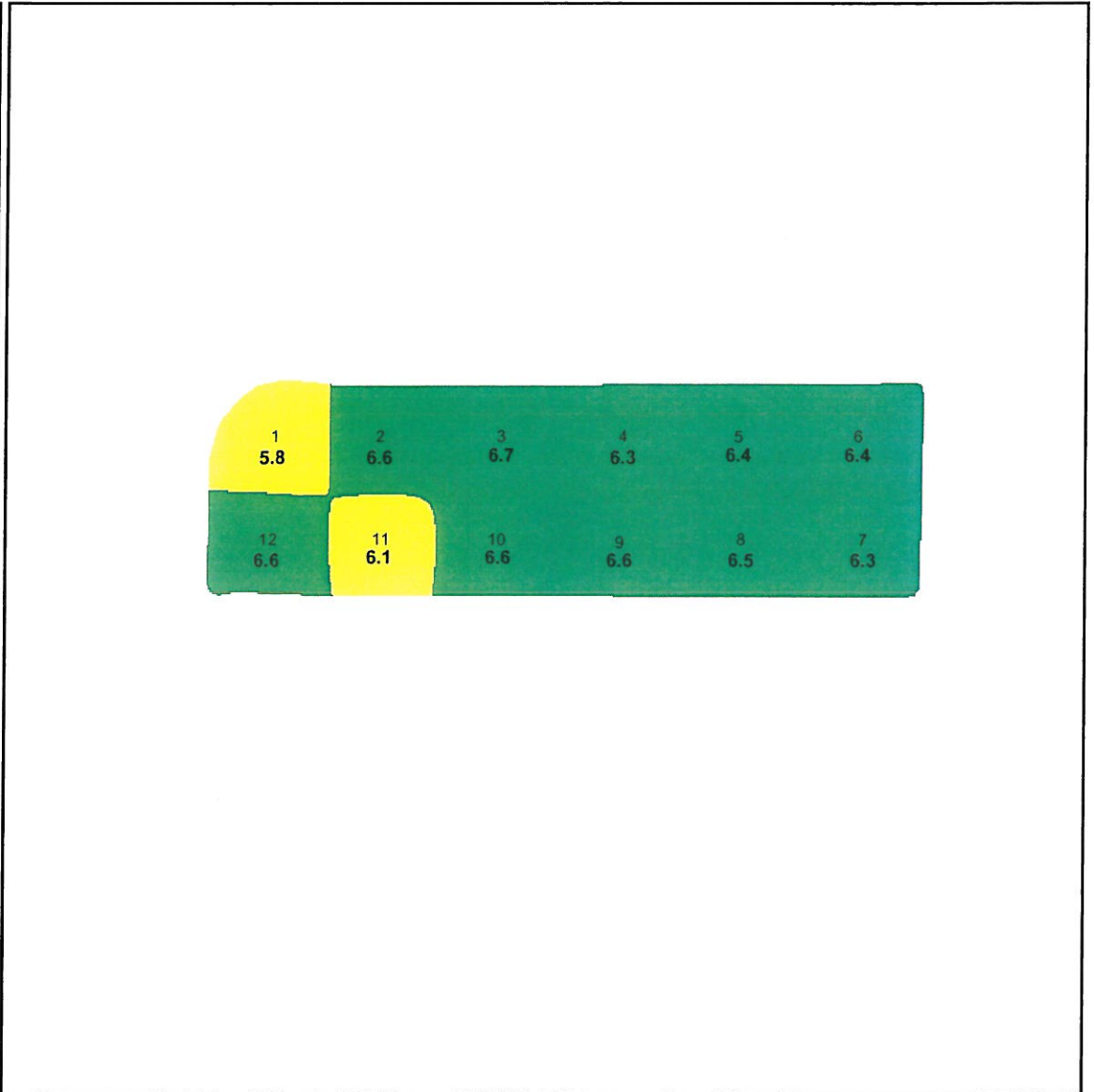
County: Boone
Township: Boone;Poplar
Range: 4E
Section: 20;21
Date Tested: 11/13/2007

Water pH Results

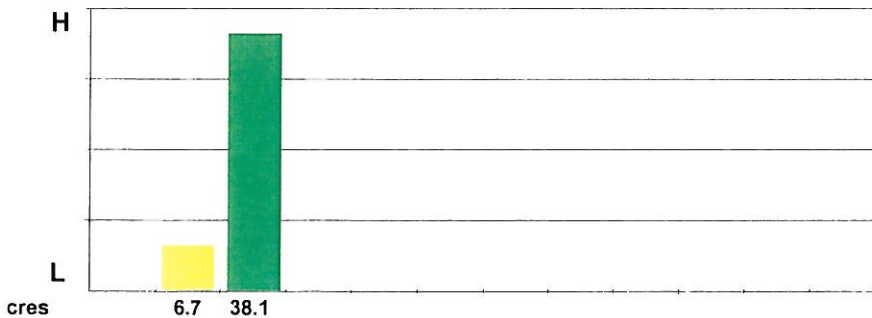
1 inch = 660 feet

Legend	
	< 5.8 Deficient
	5.8 - 6.3 Low
	6.3 - 6.8 Optimum
	6.8 - 7.5 High
	> 7.5 Excessive

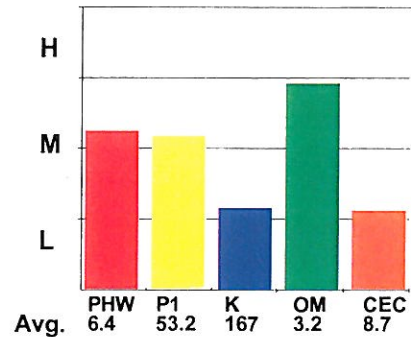
Latitude: 42.3678
Longitude: 88.7866



BREAKDOWN OF FIELD ACRES



FIELD NUTRIENT SUMMARY



Mowers Soil Testing Plus, Inc.






Toulon, IL 61483-0540
(309)286-2761

Customer: Craig Johnson
Field: ElliS-07 (#27615)
Description: Ellingson Farm_South
Acres: 44.9

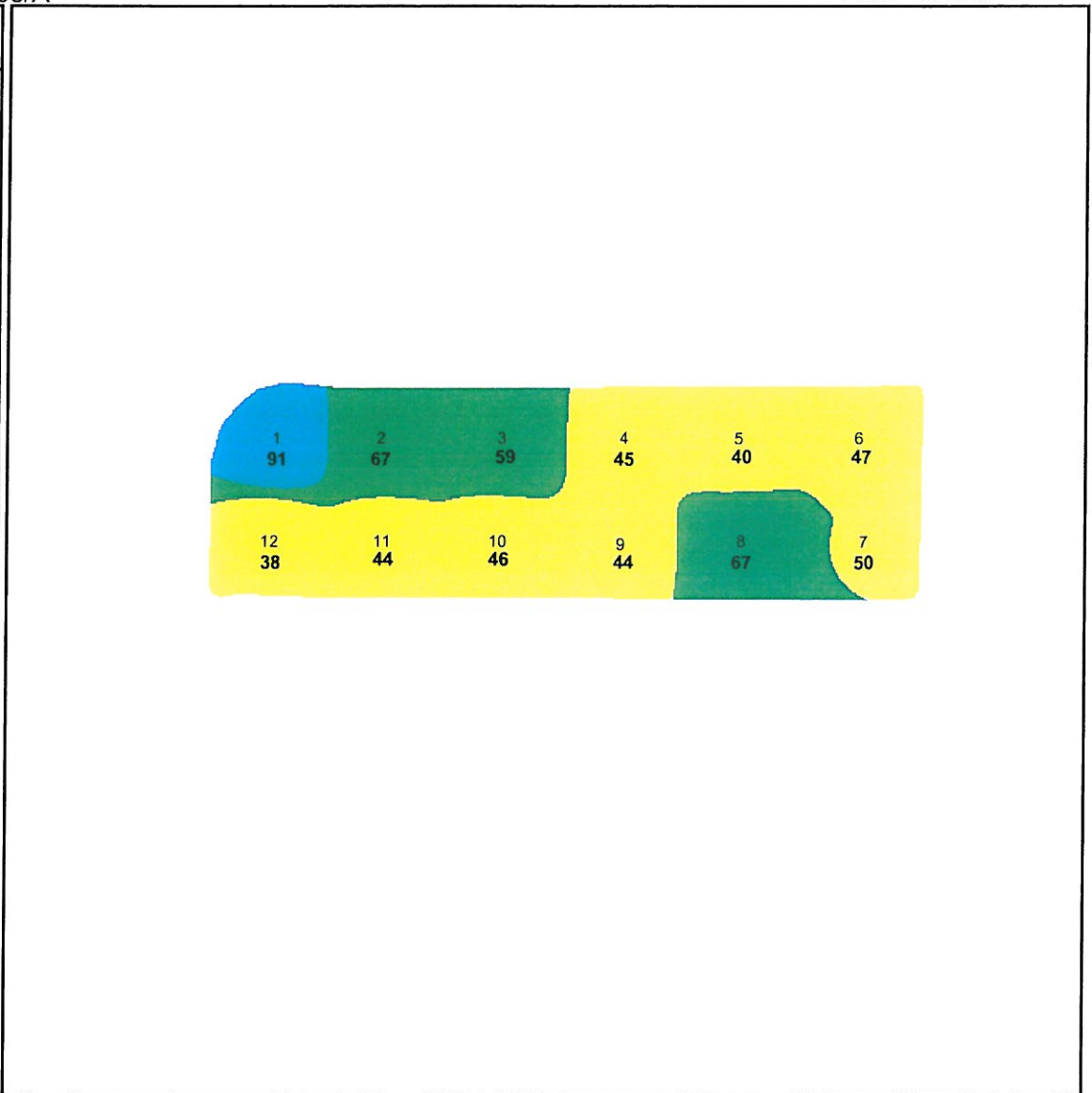
County: Boone
Township: Boone;Poplar
Range: 4E
Section: 20;21
Date Tested: 11/13/2007

1 inch = 660 feet

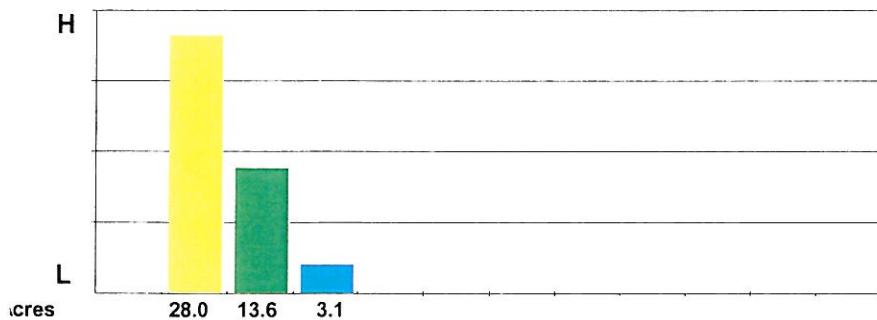
Phosphorus Results - Lbs/A

Legend	
	< 30 Deficient
	30 - 50 Low
	50 - 80 Optimum
	80 - 110 High
	> 110 Excessive

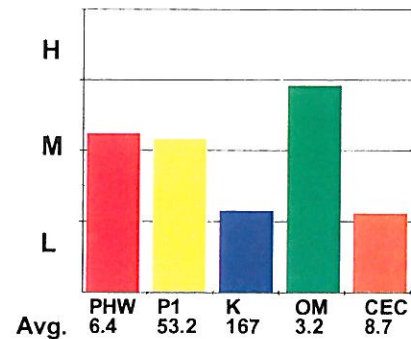
Latitude: 42.3678
Longitude: 88.7866



BREAKDOWN OF FIELD ACRES



FIELD NUTRIENT SUMMARY



Mowers Soil Testing Plus, Inc.

Toulon, IL 61483-0540

(309)286-2761

Customer: Craig Johnson

Field: ElliS-07 (#27615)

Description: Ellingson Farm_South

Acres: 44.9

of Samples: 12

Potassium Results - Lbs/A

County: Boone

Township: Boone;Poplar

Range: 4E

Section: 20;21

Date Tested: 11/13/2007

1 inch = 660 feet

Legend

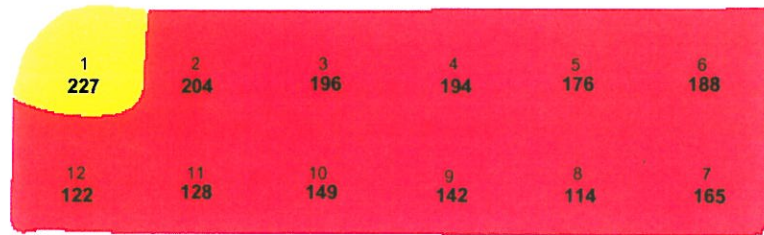
< 210 Deficient

210 - 290 Low

290 - 370 Optimum

370 - 450 High

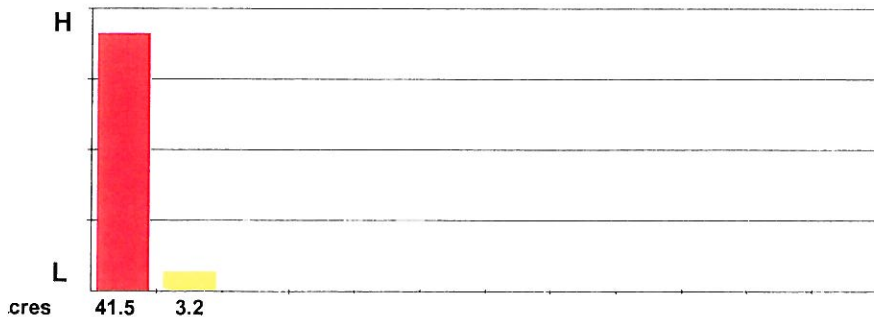
> 450 Excessive



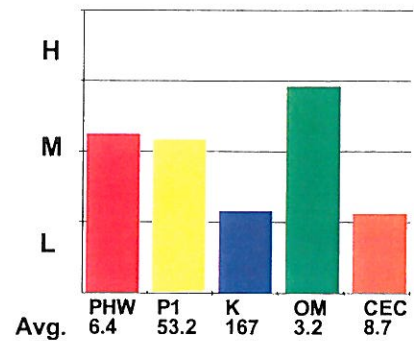
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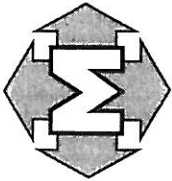
Longitude: 88.7866

BREAKDOWN OF FIELD ACRES



FIELD NUTRIENT SUMMARY





MOWERS
Soil Testing Plus, Inc.
117 E. Main St.
P.O. Box 540
Toulon, IL 61483-0540
(309) 286-2761
(800) 354-8197
Fax (309) 286-6251

LABORATORY ANALYSIS AND RECOMMENDATION REPORT

Special Report For: Craig Johnson
Samples Submitted by: Craig Johnson
K-B Farms Inc
600 S State St Suite 300
Belvidere, IL 61008-4322

Order No: 213581
Client ID: 2584
Report Date: 11/9/2007
Farm Name: Ellingson Farm
Field Name: South
Field Acres: 44.9

Sample	Water pH	Buffer pH	Phosphorus	Pounds Per Acre				Percent Organic Matter	Parts per Million							dS/m Soluble Salts	Percent Saturation				meq/100g CEC
				Potassium	Calcium	Magnesium	Sulfur		Zinc	Manganese	Boron	Iron	Copper	Sodium	Ca		Mg	K	H		
1	5.8	6.5	91	227	1932	437	3.2								52.4	19.8	3.2	24.6	9.2		
2	6.6	7.2	67	204	2613	680	3.3								63.0	27.3	2.5	7.2	10.4		
3	6.7	7.3	59	196	2134	610	3.1								61.8	29.4	2.9	5.9	8.6		
4	6.3	6.9	45	194	2171	568	3.0								57.9	25.3	2.7	14.1	9.4		
5	6.4	7.0	40	176	2042	551	3.2								59.0	26.5	2.6	11.8	8.6		
6	6.4	7.0	47	188	2355	614	3.1								59.7	25.9	2.4	11.9	9.9		
7	6.3	6.9	50	165	2098	619	3.2								56.1	27.6	2.3	14.1	9.4		
8	6.5	7.1	67	114	1251	372	3.3								58.8	29.2	2.8	9.3	5.3		
9	6.6	7.2	44	142	2042	619	3.2								59.8	30.2	2.1	7.9	8.5		
10	6.6	7.2	46	149	2042	574	3.1								61.7	28.9	2.3	7.1	8.3		
11	6.1	6.7	44	128	1827	467	3.2								56.3	24.0	2.0	17.7	8.1		
12	6.6	7.2	38	122	1987	574	3.1								61.0	29.4	1.9	7.7	8.1		
Field Median	6.5	7.1	46	170	2042	574	3.2								59.4	27.5	2.5	10.6	8.6		

	Fertility Level					Fertilizer Recommendations in pounds per acre
	V Low	Low	Medium	High	V High	
Water pH	6.5					
Phosphorus	46					
Potassium	170					
Limestone Recommendations						
Intended Crop	Yield Goal					
Build-up	$N - P_2O_5 - K_2O$					
Crop Removal	IL					
**TOTAL REQUIRED						
Credits:						
**ADJUSTED RECOMMENDATIONS	$N - P_2O_5 - K_2O$					
Adjust Nitrogen Recommendations for Previous Crop or other N Sources.	$N - P_2O_5 - K_2O$					

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

Previous Crop None Specified Previous Yield: 0

Optimum Ranges:

Water pH: 6.3 - 6.8

Phosphorus: 50.0 - 80.0

Potassium: 290.0 - 370.0

MOWERS SOIL TESTING PLUS, INC.

Client ID: 2584
Prepared for: Craig Johnson

OrderID: 213581
FarmName: Ellingson Farm
FieldName: South

BUILD-UP FERTILITY RECOMMENDATIONS TABLE

Below are the actual Phosphorus units (Lbs P₂O₅/Acre) and the actual Potassium (Lbs K₂O/Acre) recommended for fertility build-up for each individual sample site. The amount shown should be applied each year for the next four years if you wish to spot fertilize the field on the basis of actual test results. A zero indicates no build-up fertility is needed because the soil test readings are at or above the recommended levels. The lime recommendation is the total limestone requirement over the four year program and may be applied in one or more applications.

Sample Number	Lime Tons/Acre	Phosphorus <i>Lbs(P₂O₅)/ Ac</i>	Potassium <i>Lbs(K₂O)/ Ac</i>	Notes
1	2.7	0	63	
2	0.0	0	86	
3	0.0	0	94	
4	0.6	12	96	
5	0.2	22	114	
6	0.2	8	102	
7	0.6	1	125	
8	0.3	0	146	
9	0.0	12	148	
10	0.0	9	141	
11	1.3	13	162	
12	0.0	28	168	
Median	0.0	8	120	

MOWERS SOIL TESTING PLUS, INC.

Client ID: 2584
Prepared for: Craig Johnson

Order ID: 213581
Farm Name: Ellingson Farm
Field Name: South

YOUR FERTILITY RECOMMENDATIONS OPTIONS

Possible response to Magnesium. Suggest rate of 50 lb/acre broadcast of actual Magnesium, 10 lb/acre banded, or use dolomitic limestone.

Build-up phosphorus and potassium can be applied each year for four years or the total amount needed for build-up can be applied at one time (4 times the amount shown in the Build-up Fertility Recommendation Table for one year).

The Fertilizer Recommendations are based on yearly applications. If you fertilize for more than one crop at a time, simply add the Fertilizer Recommendations together for the years of these crops.

RETEST IN FOUR YEARS

Agronomist: _____

Sue Dorsey

Mowers Soil Testing Plus, Inc.

Toulon, IL 61483-0540

(309)286-2761

Customer: Craig Johnson

Field: ElliW-07 (#27616)

Description: Ellingson Farm_West

Acres: 10.9

of Samples: 3

County: Boone

Township: Boone;Poplar

Range: 4E

Section: 20;21

Date Tested: 11/13/2007

1 inch = 660 feet

Water pH Results

Legend

< 5.8 Deficient

5.8 - 6.3 Low

6.3 - 6.8 Optimum

6.8 - 7.5 High

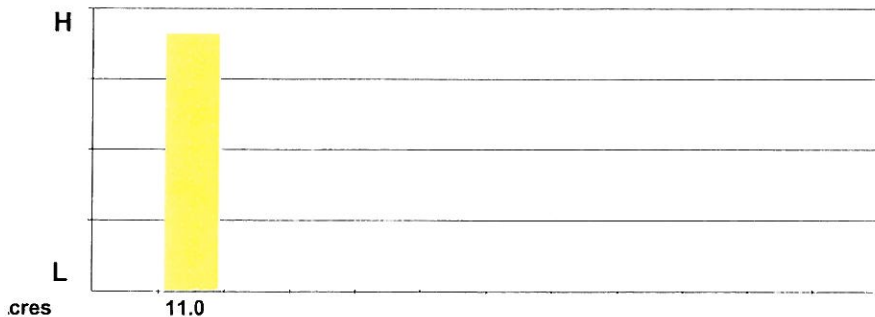
> 7.5 Excessive



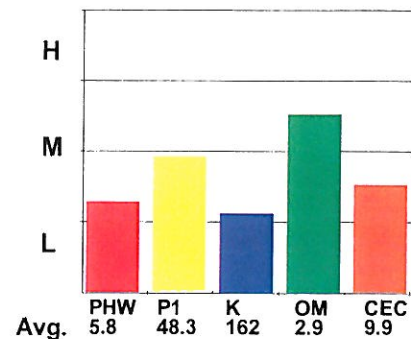
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Longitude: 88.7931

BREAKDOWN OF FIELD ACRES



FIELD NUTRIENT SUMMARY



Mowers Soil Testing Plus, Inc.

Toulon, IL 61483-0540

(309)286-2761

Customer: Craig Johnson

Field: ElliW-07 (#27616)

Description: Ellingson Farm_West

Acres: 10.9

of Samples: 3

Phosphorus Results - Lbs/A

County: Boone

Township: Boone;Poplar

Range: 4E

Section: 20;21

Date Tested: 11/13/2007

1 inch = 660 feet

Legend

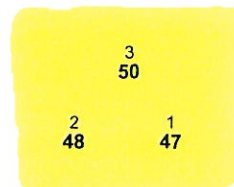
< 30 Deficient

30 - 50 Low

50 - 80 Optimum

80 - 110 High

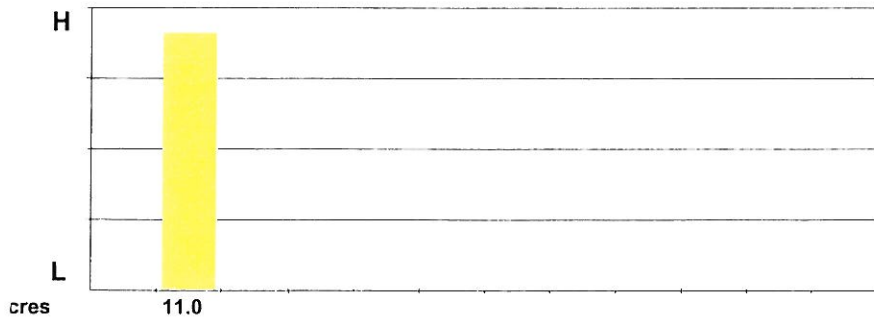
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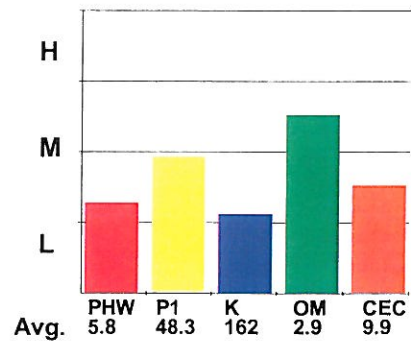
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Longitude: 88.7931

BREAKDOWN OF FIELD ACRES



FIELD NUTRIENT SUMMARY



Mowers Soil Testing Plus, Inc.

Toulon, IL 61483-0540

(309)286-2761

Customer: Craig Johnson

Field: ElliW-07 (#27616)

Description: Ellingson Farm_West

Acres: 10.9

of Samples: 3

Potassium Results - Lbs/A

County: Boone

Township: Boone;Poplar

Range: 4E

Section: 20;21

Date Tested: 11/13/2007

1 inch = 660 feet

Legend

< 210 Deficient

210 - 290 Low

290 - 370 Optimum

370 - 450 High

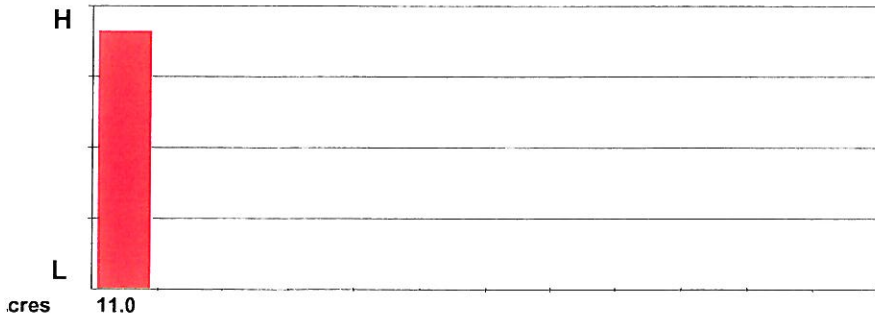
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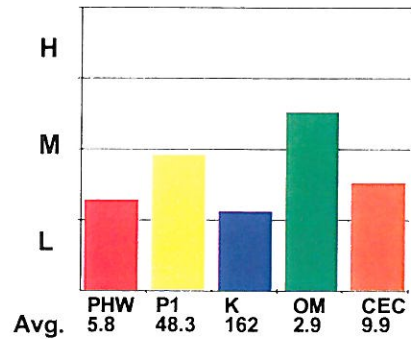
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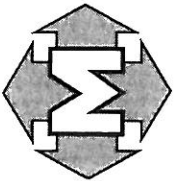
Longitude: 88.7931

BREAKDOWN OF FIELD ACRES



FIELD NUTRIENT SUMMARY





MOWERS
 Soil Testing Plus, Inc.
 117 E. Main St.
 P.O. Box 540
 Toulon, IL 61483-0540
 (309) 286-2761
 (800) 354-8197
 Fax (309) 286-6251

LABORATORY ANALYSIS AND RECOMMENDATION REPORT

Special Report For: Craig Johnson
 Samples Submitted by: Craig Johnson
 K-B Farms Inc
 600 S State St Suite 300
 Belvidere, IL 61008-4322

Order No: 213581
 Client ID: 2584
 Report Date: 11/9/2007
 Farm Name: Ellingson Farm
 Field Name: West
 Field Acres: 10.9

Sample	Pounds Per Acre			Parts per Million							Percent Saturation			meq/100g						
	Water pH	Buffer pH	Phosphorus	Potassium	Calcium	Mag-nesium	Percent Organic Matter	Sulfur	Zinc	Manganese	Boron	Iron	Copper		Sodium	Soluble Salts	dS/m	Ca	Mg	K
1	5.8	6.5	47	148	2024	524	2.9									51.3	22.1	1.9	24.7	9.9
2	5.8	6.5	48	155	1895	464	3.0									52.4	21.4	2.2	24.1	9.0
3	5.9	6.6	50	185	2116	682	2.7									49.6	26.7	2.2	21.5	10.7
Field Median	5.8	6.5	48	154	2024	524	2.9									51.3	22.1	2.2	24.1	9.9

Field Median	Fertility Level					Fertilizer Recommendations in pounds per acre
	V Low	Low	Medium	High	V High	
Water pH	5.8					
Phosphorus				48		
Potassium				154		
Limestone Recommendations						
Intended Crop						Yield Goal
Build-up						$N - P_2O_5 - K_2O$
Crop Removal						IL
**TOTAL REQUIRED						
Credits:						
**ADJUSTED RECOMMENDATIONS						
Adjust Nitrogen Recommendations for Previous Crop or other N Sources.						

CONVERSIONS: PPM = Lbs./Acre / 2 or Lbs./Acre = PPM x 2
 Previous Crop None Specified Previous Yield: 0

Optimum Ranges:
 Water pH: 6.3 - 6.8
 Phosphorus: 50.0 - 80.0
 Potassium: 290.0 - 370.0

MOWERS SOIL TESTING PLUS, INC.

Client ID: 2584
Prepared for: Craig Johnson

Order ID: 213581
Farm Name: Ellingson Farm
Field Name: West

YOUR FERTILITY RECOMMENDATIONS OPTIONS

Adjust the limestone recommendations for your tillage practices.

Possible response to Magnesium. Suggest rate of 50 lb/acre broadcast of actual Magnesium, 10 lb/acre banded, or use dolomitic limestone.

Build-up phosphorus and potassium can be applied each year for four years or the total amount needed for build-up can be applied at one time (4 times the amount shown in the Build-up Fertility Recommendation Table for one year).

The Fertilizer Recommendations are based on yearly applications. If you fertilize for more than one crop at a time, simply add the Fertilizer Recommendations together for the years of these crops.

RETEST IN FOUR YEARS

Agronomist: Sue Tracy

Tracts

36, 38 & 39

Mowers Soil Testing Plus, Inc.
Toulon, IL 61483-0540
(309)286-2761




Customer: Craig Johnson
Farm Name: Hove
Description: Hove Farm

City: Belvidere
State: IL
Zip: 61008

Farm Map

1 inch = 1466 feet

Legend



Latitude: 42.3802
Longitude: 88.7759

Mowers Soil Testing Plus, Inc.

Toulon, IL 61483-0540

(309)286-2761

Customer: Craig Johnson
 Field: HoveE_07 (#27681)
 Description: Hove Farm_East
 Acres: 72.7

County: Boone
 Township: Boone
 Range: 4E
 Section: 15;22
 Date Tested: 11/12/2007

of Samples: 14

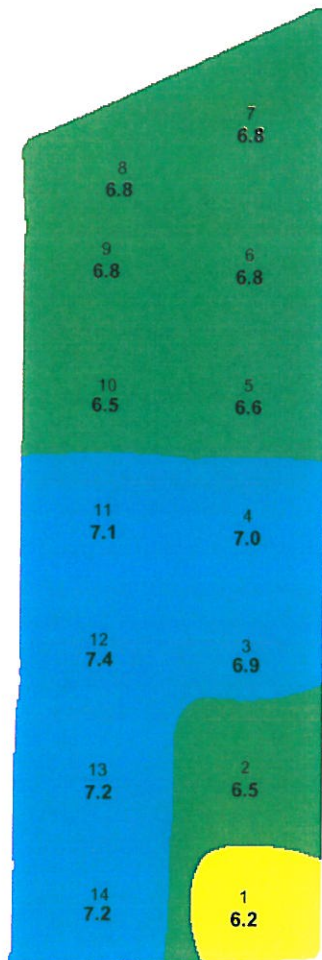
1 inch = 660 feet

Water pH Results

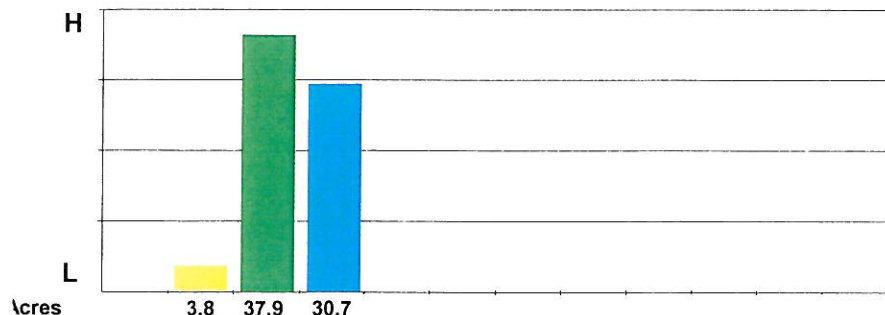
Legend

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	5.8 - 6.3 Low
	6.3 - 6.8 Optimum
	6.8 - 7.5 High
	> 7.5 Excessive

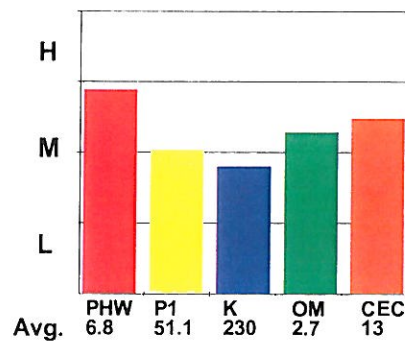
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 Longitude: 88.7648



BREAKDOWN OF FIELD ACRES



FIELD NUTRIENT SUMMARY



Mowers Soil Testing Plus, Inc.

Toulon, IL 61483-0540

(309)286-2761

Customer: Craig Johnson

Field: HoveE_07 (#27681)

Description: Hove Farm_East

Acres: 72.7

of Samples: 14

Phosphorus Results - Lbs/A

County: Boone

Township: Boone

Range: 4E

Section: 15;22

Date Tested: 11/12/2007

1 inch = 660 feet

Legend

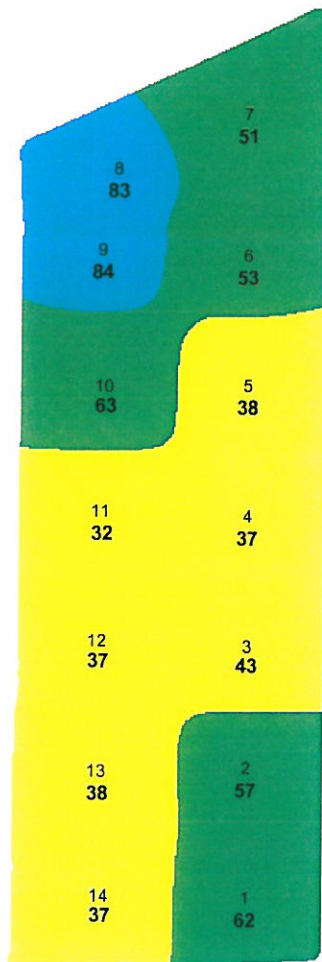
< 30 Deficient

30 - 50 Low

50 - 80 Optimum

80 - 110 High

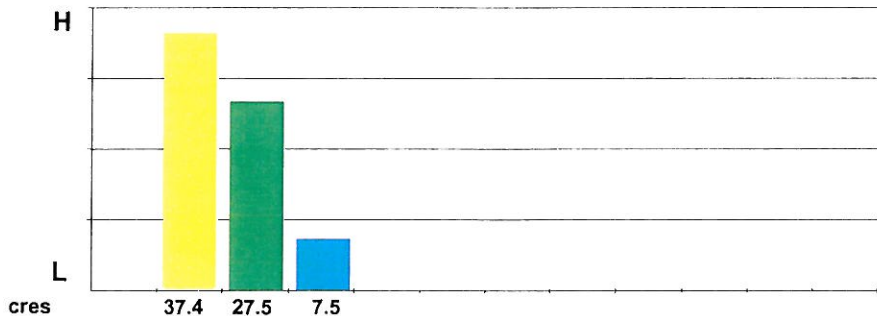
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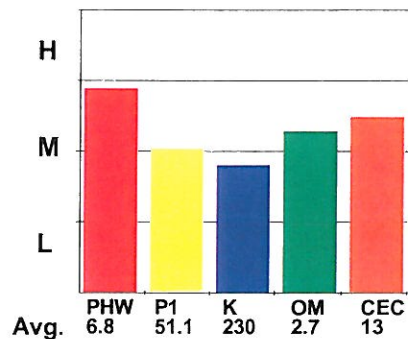
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Longitude: 88.7648

BREAKDOWN OF FIELD ACRES



FIELD NUTRIENT SUMMARY



Mowers Soil Testing Plus, Inc.

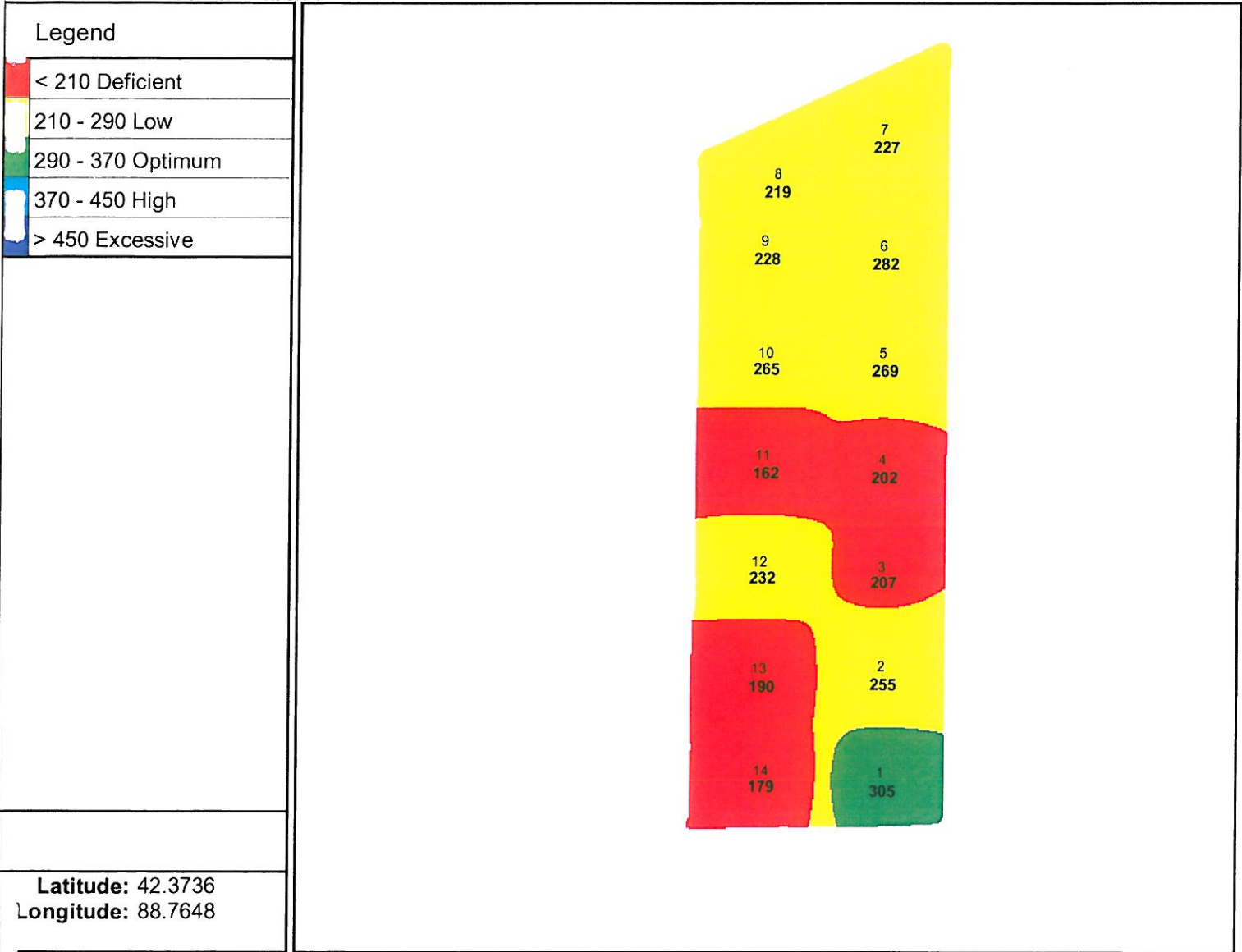
Toulon, IL 61483-0540
(309)286-2761

Customer: Craig Johnson
Field: HoveE_07 (#27681)
Description: Hove Farm_East
Acres: 72.7

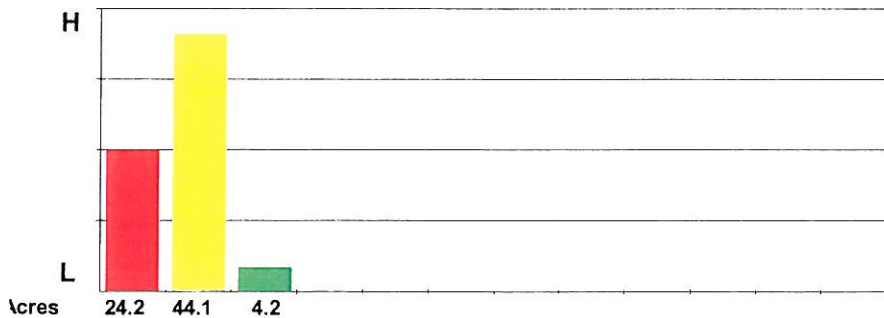
County: Boone
Township: Boone
Range: 4E
Section: 15;22
Date Tested: 11/12/2007

of Samples: 14
Potassium Results - Lbs/A

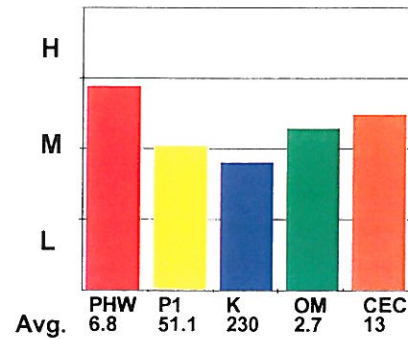
1 inch = 660 feet

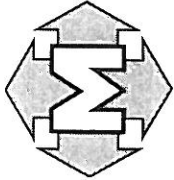


BREAKDOWN OF FIELD ACRES



FIELD NUTRIENT SUMMARY





MOWERS
 Soil Testing Plus, Inc.
 117 E. Main St.
 P.O. Box 540
 Toulon, IL 61483-0540
 (309) 286-2761
 (800) 354-8197
 Fax (309) 286-6251

LABORATORY ANALYSIS AND RECOMMENDATION REPORT

Special Report For: Craig Johnson
 Samples Submitted by: Craig Johnson
 K-B Farms Inc
 600 S State St Suite 300
 Belvidere, IL 61008-4322

Order No: 213578
 Client ID: 2584
 Report Date: 11/7/2007
 Farm Name: Hove Farm
 Field Name: East
 Field Acres: 72.7

Sample	Water pH			Buffer pH			Phosphorus			Pounds Per Acre				Parts per Million					Percent Saturation				dS/m		meq/100g			
	Water pH	Water pH	Water pH	Buffer pH	Buffer pH	Buffer pH	Phosphorus	Phosphorus	Phosphorus	Potassium	Calcium	Magnesium	Percent Organic Matter	Sulfur	Zinc	Manganese	Boron	Iron	Copper	Sodium	Soluble Salts	Ca	Mg	K	H	CEC	H	CEC
1	6.2	6.2	6.2	6.7	6.7	6.7	62	305	2447	781	3.8											52.0	27.7	3.3	17.0	11.8		
2	6.5	6.5	6.5	7.0	7.0	7.0	57	255	2245	697	3.8											56.6	29.3	3.3	10.8	9.9		
3	6.9	6.9	6.9	7.5	7.5	7.5	43	207	2576	775	2.0											63.6	31.9	2.6	1.8	10.1		
4	7.0	7.0	7.0	7.5	7.5	7.5	37	202	2852	878	2.1											64.0	32.8	2.3	.9	11.1		
5	6.6	6.6	6.6	7.3	7.3	7.3	38	269	2944	958	2.3											57.9	31.4	2.7	8.0	12.7		
6	6.8	6.8	6.8	7.4	7.4	7.4	53	282	3128	1022	3.0											60.2	32.8	2.8	4.2	13.0		
7	6.8	6.8	6.8	7.4	7.4	7.4	51	227	3036	903	3.1											63.1	31.3	2.4	3.3	12.0		
8	6.8	6.8	6.8	7.5	7.5	7.5	83	219	3202	977	2.0											62.5	31.8	2.2	3.5	12.8		
9	6.8	6.8	6.8	7.5	7.5	7.5	84	228	3220	933	2.1											62.6	30.3	2.3	4.8	12.8		
10	6.5	6.5	6.5	7.2	7.2	7.2	63	265	3073	904	2.0											58.7	28.8	2.6	9.9	13.1		
11	7.1	7.1	7.1	7.5	7.5	7.5	32	162	3533	992	3.0											67.1	31.4	1.6	0.0	13.2		
12	7.4	7.4	7.4	7.5	7.5	7.5	37	232	5483	1609	3.5											66.2	32.4	1.4	0.0	20.7		
13	7.2	7.2	7.2	7.5	7.5	7.5	38	190	4250	1283	3.0											65.5	33.0	1.5	0.0	16.2		
14	7.2	7.2	7.2	7.5	7.5	7.5	37	179	3367	1102	2.0											63.6	34.7	1.7	0.0	13.2		
Field Median	6.8	6.8	6.8	7.5	7.5	7.5	48	228	3100	946	2.6											62.9	31.6	2.4	3.4	12.8		

Sample	Field Median					Fertility Level					Fertilizer Recommendations in pounds per acre	
	V Low	Low	Medium	High	V High	V Low	Low	Medium	High	V High	Intended Crop	Yield Goal
Water pH	6.8	6.8	6.8	6.8	6.8							
Phosphorus	48	48	48	48	48							
Potassium	228	228	228	228	228							
Limestone Recommendations												
Build-up Crop Removal IL **TOTAL REQUIRED Credits: **ADJUSTED RECOMMENDATIONS Adjust Nitrogen Recommendations for Previous Crop or other N Sources.												

CONVERSIONS: PPM = Lbs./Acre / 2 or Lbs./Acre = PPM x 2
 Previous Crop None Specified Previous Yield: 0

Optimum Ranges:
 Water pH: 6.3 - 6.8
 Phosphorus: 50.0 - 80.0
 Potassium: 290.0 - 370.0

MOWERS SOIL TESTING PLUS, INC.

Client ID: 2584
 Prepared for: Craig Johnson

Order ID: 213578
 Farm Name: Hove Farm
 Field Name: East

GENERAL FIELD RECOMMENDATIONS

The General Fertility Recommendations are for a Four Year Program of fertility build-up and include crop removal requirements and credits for prior fertilizer plowed down. Also any credits for manure application or nitrogen carried over from prior legumes need to be subtracted. These Fertility Recommendations must be adjusted if your cropping plans or circumstances change (i.e. if crop residues are removed, different yield goals are desired, different crops are grown, etc.) When soil test levels are above the recommended levels, a credit is given at half crop removal for high levels and full crop removal for very high levels.

Use the worksheet below to keep track of your plans and actual results. Please call the Toulon Office at (309)286-2761 or (800)354-8197 if you have any questions. Any of our staff agronomists will be happy to assist you.

Intended Crop	Corn Grain	Soybean	Corn Grain	Soybean
Yield Goal	150 Bu/Ac	50 Bu/Ac	175 Bu/Ac	60 Bu/Ac
	$N - P_2O_5 - K_2O$	$N - P_2O_5 - K_2O$	$N - P_2O_5 - K_2O$	$N - P_2O_5 - K_2O$
Build up (4 years)	0 - 7 - 62	0 - 7 - 62	0 - 7 - 62	0 - 7 - 62
Crop Removal	180 - 56 - 42	0 - 42 - 65	210 - 65 - 49	0 - 50 - 78
TOTAL REQUIRED	180 - 63 - 104	0 - 49 - 127	210 - 72 - 111	0 - 57 - 140
Credits: High Fertility	0 - 0 - 0	0 - 0 - 0	0 - 0 - 0	0 - 0 - 0
ADJUSTED RECOMMENDATION	180 - 63 - 104	0 - 49 - 127	210 - 72 - 111	0 - 57 - 140
Limestone Requirements: 0 Tons/Acre				

N recommendations are based on yield. To calculate the best economic N rate based on corn and N prices, go to this website: extension.agron.iastate.edu/soilfertility/nrate.aspx

All Fertility Recommendations are expressed as pounds (units) of actual nutrients per acre. Remember to give credits for the fertility value in manure, nitrogen in dry fertilizer and previous crops, and weed control carriers.

RECORDS OF ACTUAL FERTILITY APPLIED

Year	Actual Crop	Actual Yield	Lime Tons/Ac	Nitrogen Lbs/Acre	Phosphorus Lbs/Acre	Potassium Lbs/Acre

MOWERS SOIL TESTING PLUS, INC.

Client ID: 2584
Prepared for: Craig Johnson

OrderID: 213578
FarmName: Hove Farm
FieldName: East

BUILD-UP FERTILITY RECOMMENDATIONS TABLE

Below are the actual Phosphorus units (Lbs P₂O₅/Acre) and the actual Potassium (Lbs K₂O/Acre) recommended for fertility build-up for each individual sample site. The amount shown should be applied each year for the next four years if you wish to spot fertilize the field on the basis of actual test results. A zero indicates no build-up fertility is needed because the soil test readings are at or above the recommended levels. The lime recommendation is the total limestone requirement over the four year program and may be applied in one or more applications.

Sample Number	Lime Tons/Acre	Phosphorus <i>Lbs(P₂O₅)/ Ac</i>	Potassium <i>Lbs(K₂O)/ Ac</i>	Notes
1	1.2	0	0	
2	0.0	0	35	
3	0.0	16	83	
4	0.0	28	88	
5	0.0	26	21	
6	0.0	0	8	
7	0.0	0	63	
8	0.0	0	71	
9	0.0	0	62	
10	0.0	0	25	
11	0.0	41	128	
12	0.0	29	88	
13	0.0	28	130	
14	0.0	29	111	
Median	0.0	7	62	

MOWERS SOIL TESTING PLUS, INC.

Client ID: 2584
Prepared for: Craig Johnson

Order ID: 213578
Farm Name: Hove Farm
Field Name: East

YOUR FERTILITY RECOMMENDATIONS OPTIONS

Build-up phosphorus and potassium can be applied each year for four years or the total amount needed for build-up can be applied at one time (4 times the amount shown in the Build-up Fertility Recommendation Table for one year).

The Fertilizer Recommendations are based on yearly applications. If you fertilize for more than one crop at a time, simply add the Fertilizer Recommendations together for the years of these crops.

RETEST IN FOUR YEARS

Agronomist: *Sue Dorsey*

Mowers Soil Testing Plus, Inc.

Toulon, IL 61483-0540

(309)286-2761

Customer: Craig Johnson
 Field: HoveW_07 (#27684)
 Description: Hove Farm_West
 Acres: 34
 # of Samples: 8

County: Boone
 Township: Boone
 Range: 4E
 Section: 15;22
 Date Tested: 11/12/2007

1 inch = 660 feet

Water pH Results

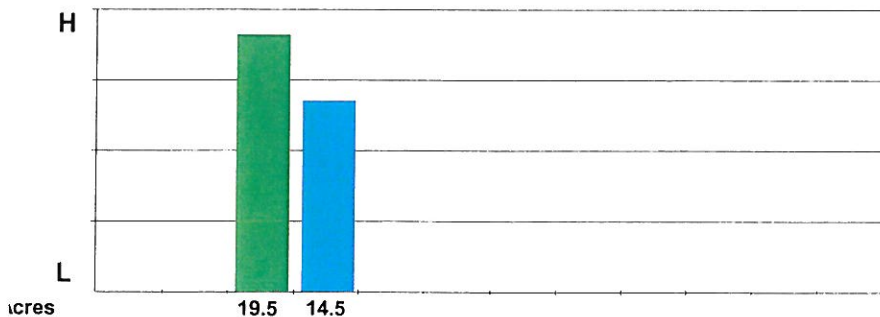
Legend

	< 5.8 Deficient
	5.8 - 6.3 Low
	6.3 - 6.8 Optimum
	6.8 - 7.5 High
	> 7.5 Excessive

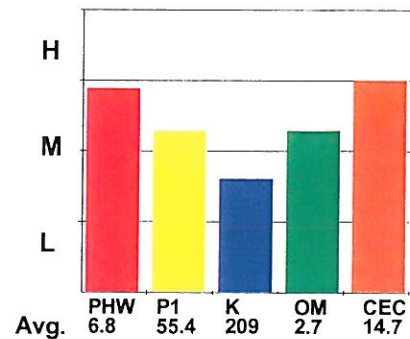


Latitude: 42.3748
 Longitude: 88.7681

BREAKDOWN OF FIELD ACRES



FIELD NUTRIENT SUMMARY



Mowers Soil Testing Plus, Inc.

Toulon, IL 61483-0540
(309)286-2761

Customer: Craig Johnson
Field: HoveW_07 (#27684)
Description: Hove Farm_West
Acres: 34
of Samples: 8

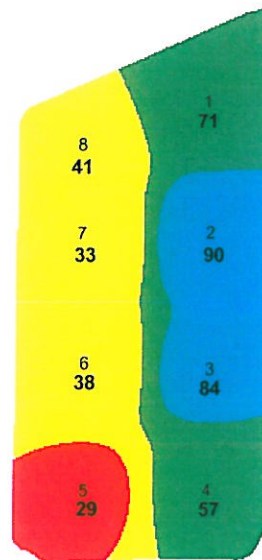
County: Boone
Township: Boone
Range: 4E
Section: 15;22
Date Tested: 11/12/2007

Phosphorus Results - Lbs/A

1 inch = 660 feet

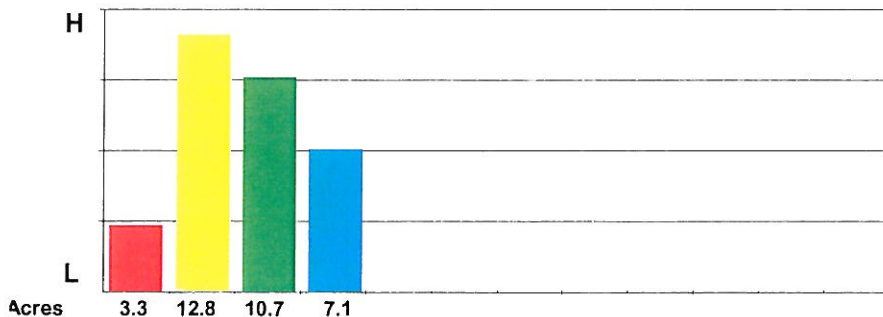
Legend

	< 30 Deficient
	30 - 50 Low
	50 - 80 Optimum
	80 - 110 High
	> 110 Excessive

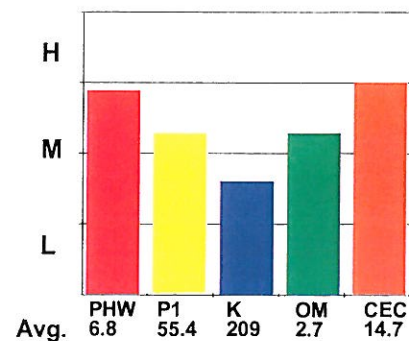


Latitude: 42.3748
Longitude: 88.7681

BREAKDOWN OF FIELD ACRES



FIELD NUTRIENT SUMMARY



Mowers Soil Testing Plus, Inc.

Toulon, IL 61483-0540

(309)286-2761

Customer: Craig Johnson

Field: HoveW_07 (#27684)

Description: Hove Farm_West

Acres: 34

of Samples: 8

Potassium Results - Lbs/A

County: Boone

Township: Boone

Range: 4E

Section: 15;22

Date Tested: 11/12/2007

1 inch = 660 feet

Legend

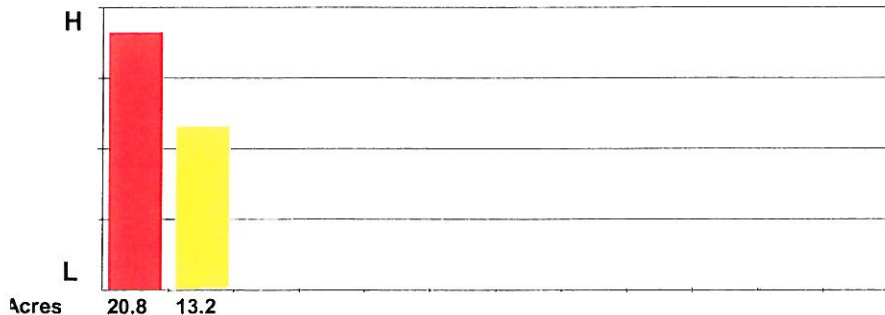
	< 210 Deficient
	210 - 290 Low
	290 - 370 Optimum
	370 - 450 High
	> 450 Excessive



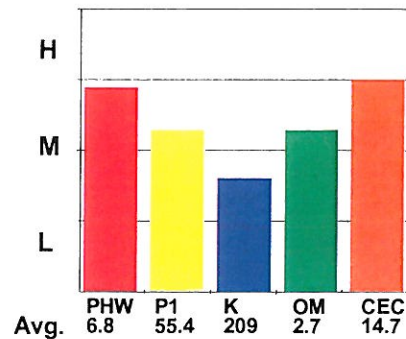
Latitude: 42.3748

Longitude: 88.7681

BREAKDOWN OF FIELD ACRES



FIELD NUTRIENT SUMMARY



MOWERS SOIL TESTING PLUS, INC.

Client ID: 2584
Prepared for: Craig Johnson

Order ID: 213578
Farm Name: Hove Farm
Field Name: West

GENERAL FIELD RECOMMENDATIONS

The General Fertility Recommendations are for a Four Year Program of fertility build-up and include crop removal requirements and credits for prior fertilizer plowed down. Also any credits for manure application or nitrogen carried over from prior legumes need to be subtracted. These Fertility Recommendations must be adjusted if your cropping plans or circumstances change (i.e. if crop residues are removed, different yield goals are desired, different crops are grown, etc.) When soil test levels are above the recommended levels, a credit is given at half crop removal for high levels and full crop removal for very high levels.

Use the worksheet below to keep track of your plans and actual results. Please call the Toulon Office at (309)286-2761 or (800)354-8197 if you have any questions. Any of our staff agronomists will be happy to assist you.

Intended Crop	Corn Grain	Soybean	Corn Grain	Soybean
Yield Goal	150 Bu/Ac	50 Bu/Ac	175 Bu/Ac	60 Bu/Ac
	$N - P_2O_5 - K_2O$	$N - P_2O_5 - K_2O$	$N - P_2O_5 - K_2O$	$N - P_2O_5 - K_2O$
Build up (4 years)	0 - 2 - 92	0 - 2 - 92	0 - 2 - 92	0 - 2 - 92
Crop Removal	180 - 56 - 42	0 - 42 - 65	210 - 65 - 49	0 - 50 - 78
TOTAL REQUIRED	180 - 58 - 134	0 - 44 - 157	210 - 67 - 141	0 - 52 - 170
Credits: High Fertility	0 - 0 - 0	0 - 0 - 0	0 - 0 - 0	0 - 0 - 0
ADJUSTED RECOMMENDATION	180 - 58 - 134	0 - 44 - 157	210 - 67 - 141	0 - 52 - 170
Limestone Requirements: 0 Tons/Acre				

N recommendations are based on yield. To calculate the best economic N rate based on corn and N prices, go to this website: extension.agron.iastate.edu/soilfertility/nrate.aspx

All Fertility Recommendations are expressed as pounds (units) of actual nutrients per acre. Remember to give credits for the fertility value in manure, nitrogen in dry fertilizer and previous crops, and weed control carriers.

RECORDS OF ACTUAL FERTILITY APPLIED

Year	Actual Crop	Actual Yield	Lime Tons/Ac	Nitrogen Lbs/Acre	Phosphorus Lbs/Acre	Potassium Lbs/Acre

MOWERS SOIL TESTING PLUS, INC.

Client ID: 2584
Prepared for: Craig Johnson

OrderID: 213578
FarmName: Hove Farm
FieldName: West

BUILD-UP FERTILITY RECOMMENDATIONS TABLE

Below are the actual Phosphorus units (Lbs P2O5/Acre) and the actual Potassium (Lbs K2O/Acre) recommended for fertility build-up for each individual sample site. The amount shown should be applied each year for the next four years if you wish to spot fertilize the field on the basis of actual test results. A zero indicates no build-up fertility is needed because the soil test readings are at or above the recommended levels. The lime recommendation is the total limestone requirement over the four year program and may be applied in one or more applications.

Sample Number	Lime Tons/Acre	Phosphorus <i>Lbs(P₂O₅)/ Ac</i>	Potassium <i>Lbs(K₂O)/ Ac</i>	Notes
1	0.4	0	92	
2	0.0	0	21	
3	0.0	0	53	
4	0.0	0	90	
5	0.0	48	119	
6	0.0	28	104	
7	0.0	39	92	
8	0.0	19	130	
Median	0.0	2	92	

MOWERS SOIL TESTING PLUS, INC.

Client ID: 2584
Prepared for: Craig Johnson

Order ID: 213578
Farm Name: Hove Farm
Field Name: West

YOUR FERTILITY RECOMMENDATIONS OPTIONS

Build-up phosphorus and potassium can be applied each year for four years or the total amount needed for build-up can be applied at one time (4 times the amount shown in the Build-up Fertility Recommendation Table for one year).

The Fertilizer Recommendations are based on yearly applications. If you fertilize for more than one crop at a time, simply add the Fertilizer Recommendations together for the years of these crops.

RETEST IN FOUR YEARS

Agronomist: *Sue Dorsey*

Mowers Soil Testing Plus, Inc.

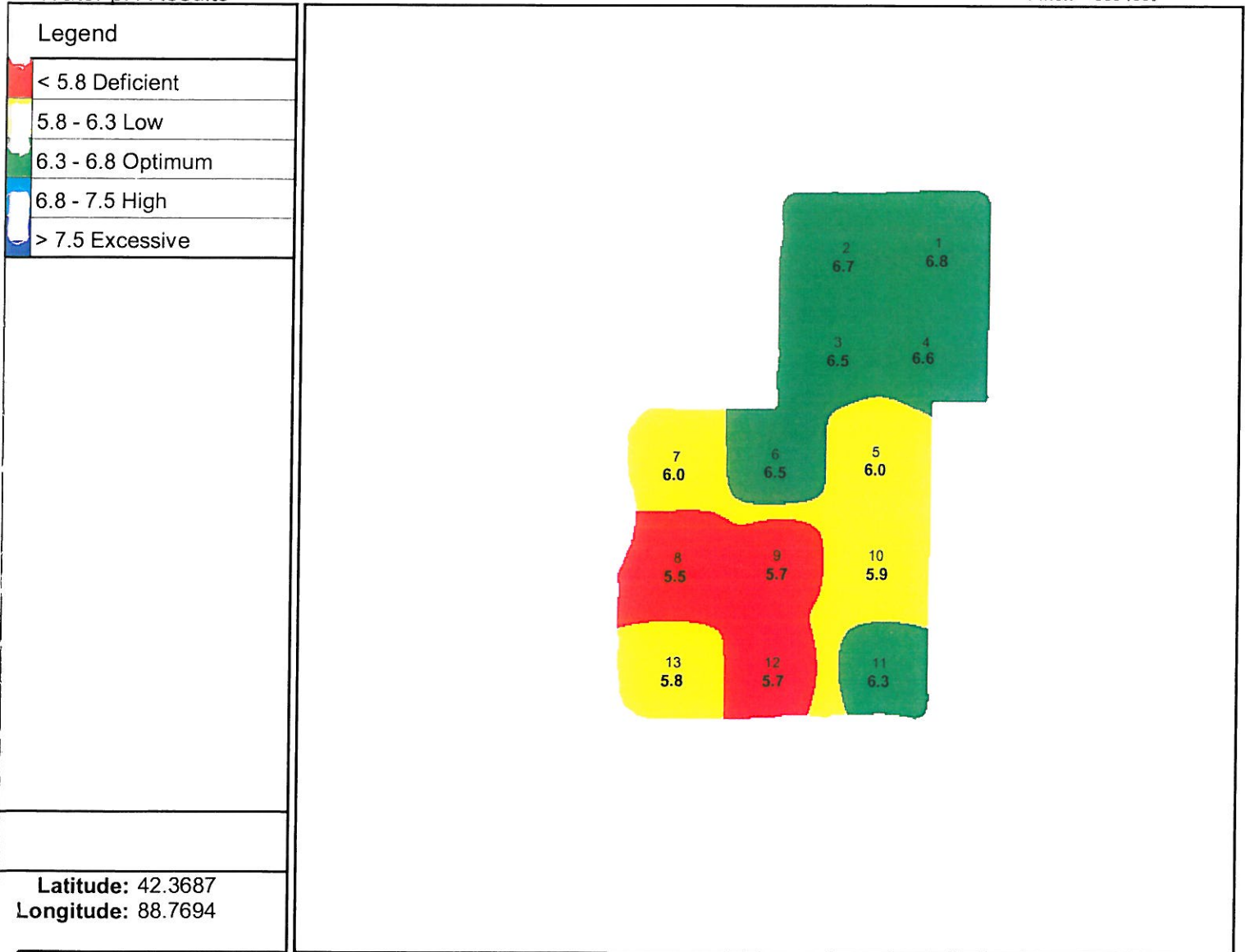
Toulon, IL 61483-0540
(309)286-2761

Customer: Craig Johnson
Field: HovSW_07 (#27683)
Description: Hove Farm_S W
Acres: 55.2
of Samples: 13

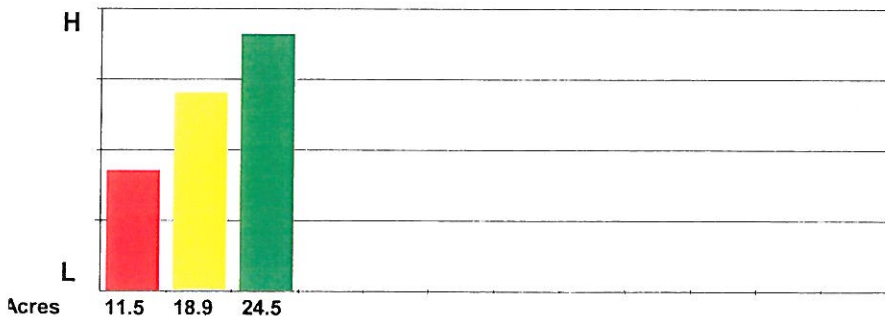
County: Boone
Township: Boone
Range: 4E
Section: 15;22
Date Tested: 11/12/2007

Water pH Results

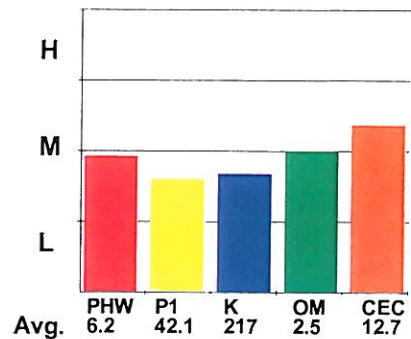
1 inch = 660 feet



BREAKDOWN OF FIELD ACRES



FIELD NUTRIENT SUMMARY



Mowers Soil Testing Plus, Inc.

Toulon, IL 61483-0540

(309)286-2761

Customer: Craig Johnson

Field: HovSW_07 (#27683)

Description: Hove Farm_S W

Acres: 55.2

of Samples: 13

Phosphorus Results - Lbs/A

County: Boone

Township: Boone

Range: 4E

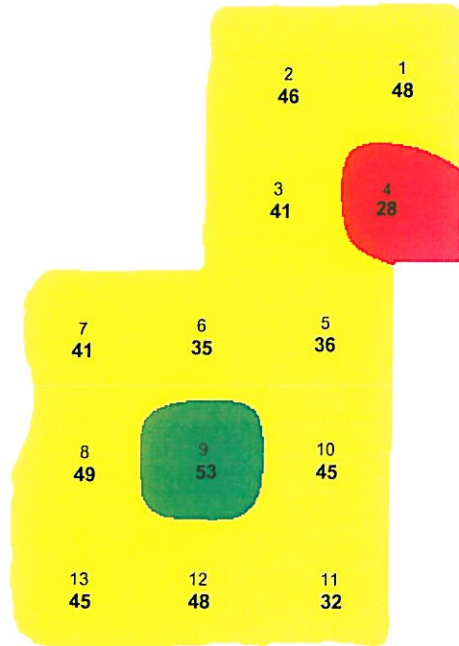
Section: 15;22

Date Tested: 11/12/2007

1 inch = 660 feet

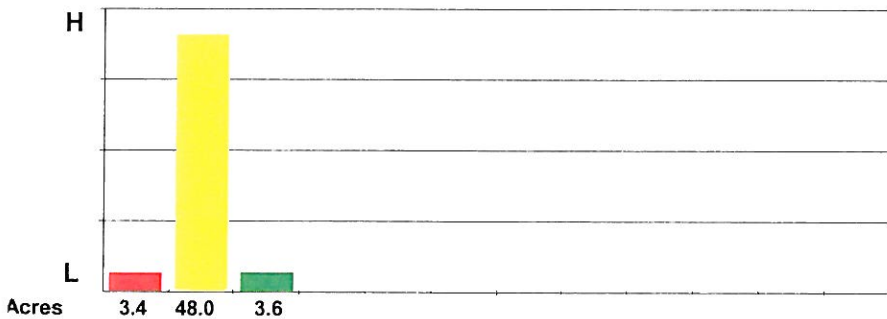
Legend

	< 30 Deficient
	30 - 50 Low
	50 - 80 Optimum
	80 - 110 High
	> 110 Excessive

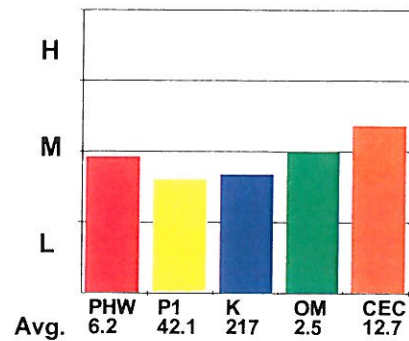


Latitude: 42.3687
Longitude: 88.7694

BREAKDOWN OF FIELD ACRES



FIELD NUTRIENT SUMMARY



Mowers Soil Testing Plus, Inc.

Toulon, IL 61483-0540

(309)286-2761

Customer: Craig Johnson

Field: HovSW_07 (#27683)

Description: Hove Farm_S W

Acres: 55.2

of Samples: 13

Potassium Results - Lbs/A

County: Boone

Township: Boone

Range: 4E

Section: 15;22

Date Tested: 11/12/2007

1 inch = 660 feet

Legend

< 210 Deficient

210 - 290 Low

290 - 370 Optimum

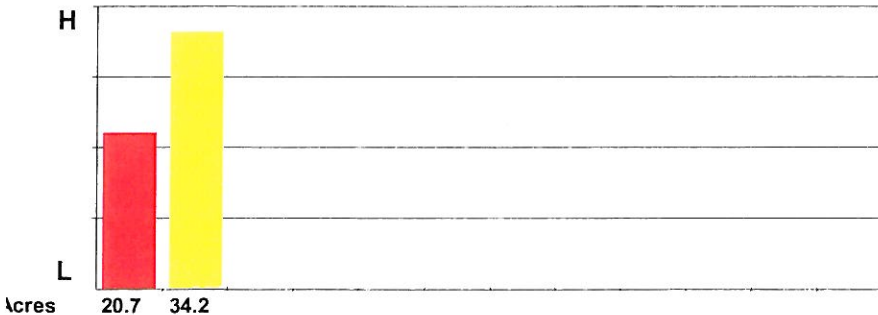
370 - 450 High

> 450 Excessive

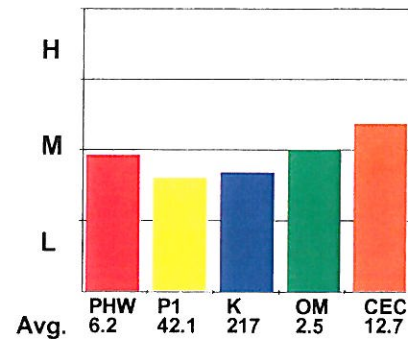


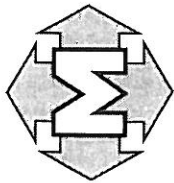
Latitude: 42.3687
Longitude: 88.7694

BREAKDOWN OF FIELD ACRES



FIELD NUTRIENT SUMMARY





MOWERS

Soil Testing Plus, Inc.
 117 E. Main St.
 P.O. Box 540
 Toulon, IL 61483-0540
 (309) 286-2761
 (800) 354-8197
 Fax (309) 286-6251

LABORATORY ANALYSIS AND RECOMMENDATION REPORT

Special Report For: Craig Johnson
 Samples Submitted by: Craig Johnson
 K-B Farms Inc
 600 S State St Suite 300
 Belvidere, IL 61008-4322

Order No: 213578
 Client ID: 2584
 Report Date: 11/7/2007
 Farm Name: Hove Farm
 Field Name: S W
 Field Acres: 55.2

Sample	Water pH	Buffer pH	Phosphorus	Pounds Per Acre			Percent Organic Matter	Parts per Million							Percent Saturation			meq/100g	
				Potassium	Calcium	Magnesium		Sulfur	Zinc	Manganese	Boron	Iron	Copper	Sodium	dS/m Soluble Salts	Ca	Mg		K
1	6.8	7.5	48	205	2962	882	2.0								62.1	30.8	2.2	4.9	11.9
2	6.7	7.4	46	288	3018	1070	2.1								57.5	34.0	2.8	5.7	13.1
3	6.5	7.1	41	242	3735	956	3.0								61.4	26.2	2.0	10.4	15.2
4	6.6	7.3	28	215	3238	994	2.0								60.2	30.8	2.0	7.0	13.5
5	6.0	6.7	36	223	2815	874	2.2								51.7	26.8	2.1	19.4	13.6
6	6.5	7.2	35	200	2392	709	2.3								58.9	29.1	2.5	9.5	10.2
7	6.0	6.7	41	204	2429	614	2.0								54.7	23.1	2.4	19.9	11.1
8	5.5	6.5	49	178	1987	355	3.0								51.9	15.5	2.4	30.2	9.6
9	5.7	6.4	53	215	2907	547	3.4								54.5	17.1	2.1	26.3	13.3
10	5.9	6.6	45	240	3238	783	3.0								53.5	21.6	2.0	22.9	15.1
11	6.3	7.0	32	187	2815	808	2.0								57.0	27.3	1.9	13.8	12.3
12	5.7	6.4	48	211	2852	580	3.0								53.5	18.1	2.0	26.4	13.3
13	5.8	6.5	45	223	2742	623	3.1								52.9	20.1	2.2	24.8	12.9
Field Median	6.0	6.7	44	216	2852	782	2.3								54.7	26.2	2.1	19.4	13.1

Field Median	Fertility Level					Fertilizer Recommendations in pounds per acre
	V Low	Low	Medium	High	V High	
Water pH	6.0					
Phosphorus	44					$N - P_2O_5 - K_2O$
Potassium	216					$N - P_2O_5 - K_2O$
Limestone Recommendations						
Intended Crop Yield Goal $N - P_2O_5 - K_2O$						
Build-up Crop Removal IL **TOTAL REQUIRED						
Credits:						
**ADJUSTED RECOMMENDATIONS						
Adjust Nitrogen Recommendations for Previous Crop or other N Sources.						

CONVERSIONS: PPM = Lbs./Acre / 2 or Lbs./Acre = PPM x 2
 Previous Crop None Specified Previous Yield: 0

Optimum Ranges:
 Water pH: 6.3 - 6.8
 Phosphorus: 50.0 - 80.0
 Potassium: 290.0 - 370.0

MOWERS SOIL TESTING PLUS, INC.

Client ID: 2584
Prepared for: Craig Johnson

Order ID: 213578
Farm Name: Hove Farm
Field Name: S W

YOUR FERTILITY RECOMMENDATIONS OPTIONS

Adjust the limestone recommendations for your tillage practices.

Build-up phosphorus and potassium can be applied each year for four years or the total amount needed for build-up can be applied at one time (4 times the amount shown in the Build-up Fertility Recommendation Table for one year).

The Fertilizer Recommendations are based on yearly applications. If you fertilize for more than one crop at a time, simply add the Fertilizer Recommendations together for the years of these crops.

RETEST IN FOUR YEARS

Agronomist: *Sue Dorsey*

Mowers Soil Testing Plus, Inc.

Toulon, IL 61483-0540

(309)286-2761

Customer: Craig Johnson

Field: HoveN_07 (#27682)

Description: Hove Farm_North

Acres: 40.3

of Samples: 11

County: Boone

Township: Boone

Range: 4E



Section: 15;22

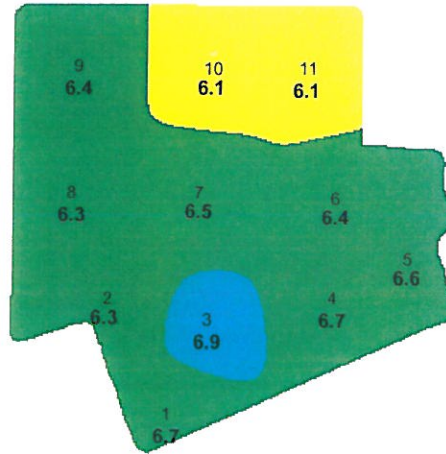
Date Tested: 11/12/2007

1 inch = 660 feet

Water pH Results

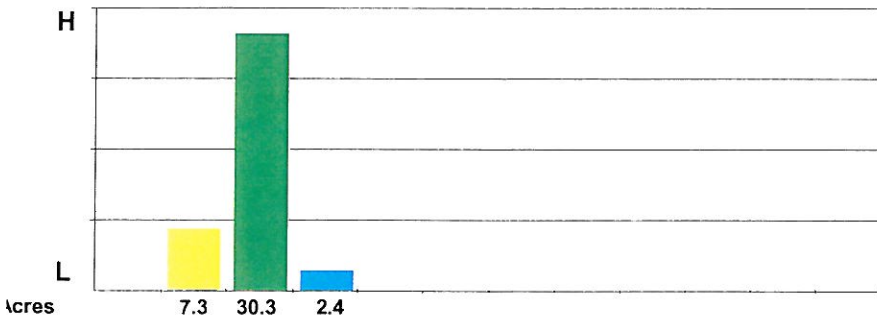
Legend

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	5.8 - 6.3 Low
	6.3 - 6.8 Optimum
	6.8 - 7.5 High
	> 7.5 Excessive

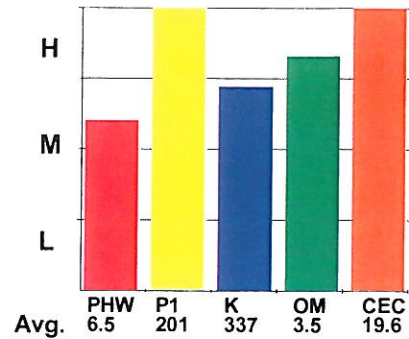


Latitude: 42.3788
Longitude: 88.7694

BREAKDOWN OF FIELD ACRES



FIELD NUTRIENT SUMMARY



Mowers Soil Testing Plus, Inc.

Toulon, IL 61483-0540

(309)286-2761

Customer: Craig Johnson

Field: HoveN_07 (#27682)

Description: Hove Farm_North

Acres: 40.3

of Samples: 11

Phosphorus Results - Lbs/A

County: Boone

Township: Boone

Range: 4E

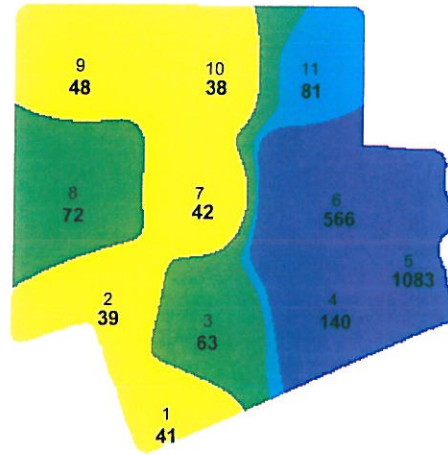
Section: 15;22

Date Tested: 11/12/2007

1 inch = 660 feet

Legend

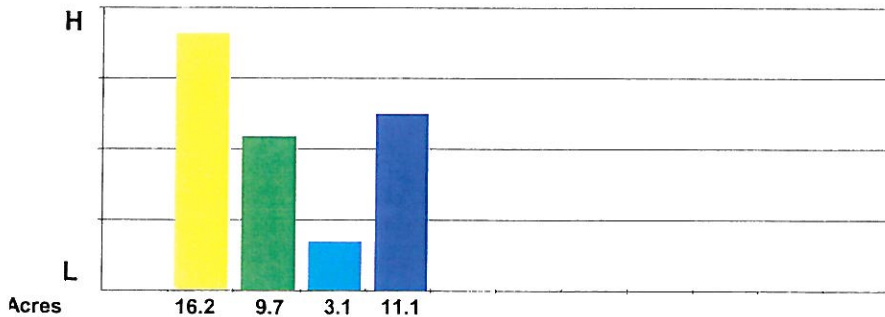
	< 30 Deficient
	30 - 50 Low
	50 - 80 Optimum
	80 - 110 High
	> 110 Excessive



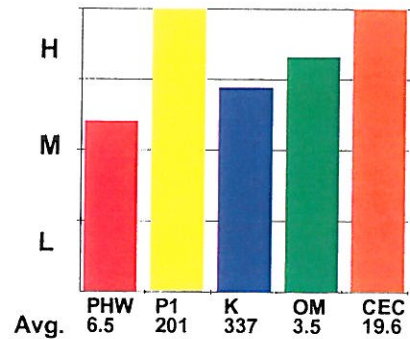
Latitude: 42.3788

Longitude: 88.7694

BREAKDOWN OF FIELD ACRES



FIELD NUTRIENT SUMMARY



Mowers Soil Testing Plus, Inc.

Toulon, IL 61483-0540

(309)286-2761

Customer: Craig Johnson
 Field: HoveN_07 (#27682)
 Description: Hove Farm_North
 Acres: 40.3

County: Boone
 Township: Boone
 Range: 4E
 Section: 15;22
 Date Tested: 11/12/2007

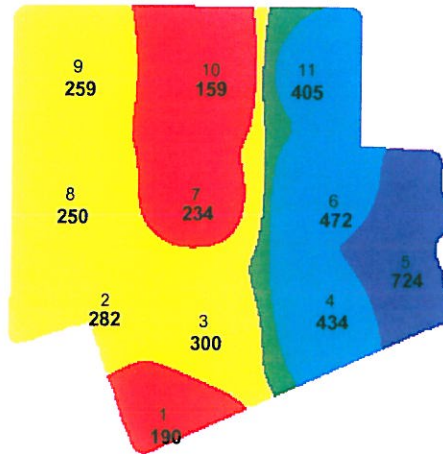
of Samples: 11

Potassium Results - Lbs/A

1 inch = 660 feet

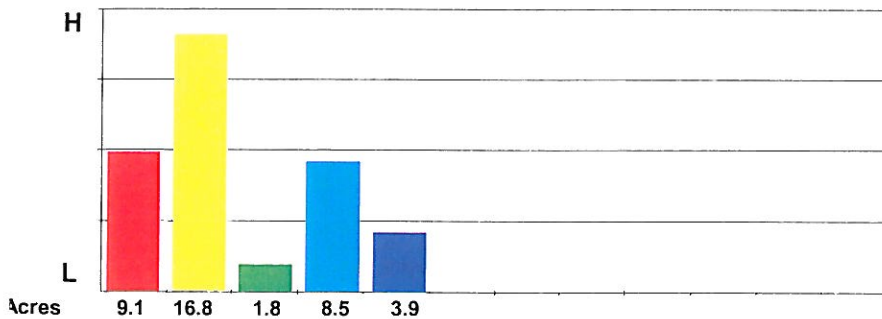
Legend

	< 240 Deficient
	240 - 320 Low
	320 - 400 Optimum
	400 - 480 High
	> 480 Excessive

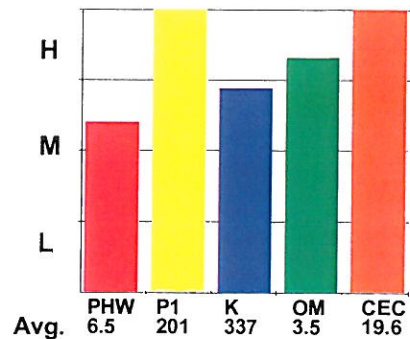


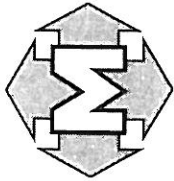
Latitude: 42.3788
 Longitude: 88.7694

BREAKDOWN OF FIELD ACRES



FIELD NUTRIENT SUMMARY





MOWERS
 Soil Testing Plus, Inc.
 117 E. Main St.
 P.O. Box 540
 Toulon, IL 61483-0540
 (309) 286-2761
 (800) 354-8197
 Fax (309) 286-6251

LABORATORY ANALYSIS AND RECOMMENDATION REPORT

Special Report For: Craig Johnson
 Samples Submitted by: Craig Johnson
 K-B Farms Inc
 600 S State St Suite 300
 Belvidere, IL 61008-4322

Order No: 213578
 Client ID: 2584
 Report Date: 11/7/2007
 Farm Name: Hove Farm
 Field Name: North
 Field Acres: 40.3

Sample	Water pH	Buffer pH	Phosphorus	Pounds Per Acre				Percent Organic Matter	Parts per Million							dS/m Soluble Salts	Percent Saturation				CEC
				Calcium	Potassium	Calcium	Magnesium		Sulfur	Zinc	Manganese	Boron	Iron	Copper	Sodium		Ca	Mg	K	H	
1	6.7	7.5	41	190	3054	813	1.5									63.7	28.3	2.0	5.9	12.0	
2	6.3	6.9	39	282	5870	1389	3.5									60.6	23.9	1.5	14.0	24.2	
3	6.9	7.5	63	300	4379	1212	3.0									65.3	30.1	2.3	2.3	16.8	
4	6.7	7.3	140	434	3588	891	3.1									63.4	26.2	3.9	6.4	14.1	
5	6.6	7.2	1083	724	4894	627	3.2									70.6	15.1	5.4	9.0	17.3	
6	6.4	7.0	566	472	4011	758	3.0									64.6	20.4	3.9	11.1	15.5	
7	6.5	7.0	42	234	6679	1609	4.5									63.1	25.3	1.1	10.5	26.5	
8	6.3	6.7	72	250	5704	1248	4.6									61.3	22.4	1.4	14.9	23.3	
9	6.4	7.0	48	259	4030	844	3.0									63.9	22.3	2.1	11.8	15.8	
10	6.1	6.6	38	159	5226	1037	4.5									60.4	20.0	.9	18.7	21.6	
11	6.1	6.5	81	405	6330	1547	4.9									56.4	23.0	1.9	18.8	28.0	
Field Median	6.4	7.0	62	282	4894	1038	3.2									63.4	23.0	2.0	11.1	17.3	

Field Median	Fertility Level					Fertilizer Recommendations in pounds per acre
	V Low	Low	Medium	High	V High	
Water pH	6.4	[Bar chart showing fertility level]				
Phosphorus	62	[Bar chart showing fertility level]				Intended Crop Yield Goal
Potassium	282	[Bar chart showing fertility level]				Build-up
Limestone Recommendations						Crop Removal IL
CONVERSIONS: PPM = Lbs./Acre / 2 or Lbs./Acre = PPM x 2						
Previous Crop None Specified Previous Yield: 0						
Optimum Ranges:						
Water pH: 6.3 - 6.8						
Phosphorus: 50.0 - 80.0						
Potassium: 320.0 - 400.0						
**TOTAL REQUIRED						
Credits:						
**ADJUSTED RECOMMENDATIONS						
Adjust Nitrogen Recommendations for Previous Crop or other N Sources.						

MOWERS SOIL TESTING PLUS, INC.

Client ID: 2584
 Prepared for: Craig Johnson

Order ID: 213578
 Farm Name: Hove Farm
 Field Name: North

GENERAL FIELD RECOMMENDATIONS

The General Fertility Recommendations are for a Four Year Program of fertility build-up and include crop removal requirements and credits for prior fertilizer plowed down. Also any credits for manure application or nitrogen carried over from prior legumes need to be subtracted. These Fertility Recommendations must be adjusted if your cropping plans or circumstances change (i.e. if crop residues are removed, different yield goals are desired, different crops are grown, etc.) When soil test levels are above the recommended levels, a credit is given at half crop removal for high levels and full crop removal for very high levels.

Use the worksheet below to keep track of your plans and actual results. Please call the Toulon Office at (309)286-2761 or (800)354-8197 if you have any questions. Any of our staff agronomists will be happy to assist you.

Intended Crop	Corn Grain	Soybean	Corn Grain	Soybean
Yield Goal	150 Bu/Ac	50 Bu/Ac	175 Bu/Ac	60 Bu/Ac
	$N - P_2O_5 - K_2O$	$N - P_2O_5 - K_2O$	$N - P_2O_5 - K_2O$	$N - P_2O_5 - K_2O$
Build up (4 years)	0 - 0 - 38	0 - 0 - 38	0 - 0 - 38	0 - 0 - 38
Crop Removal	180 - 56 - 42	0 - 42 - 65	210 - 65 - 49	0 - 50 - 78
TOTAL REQUIRED	180 - 56 - 80	0 - 42 - 103	210 - 65 - 87	0 - 50 - 116
Credits: High Fertility	0 - 0 - 0	0 - 0 - 0	0 - 0 - 0	0 - 0 - 0
ADJUSTED RECOMMENDATION	180 - 56 - 80	0 - 42 - 103	210 - 65 - 87	0 - 50 - 116
Limestone Requirements: 0 Tons/Acre				

N recommendations are based on yield. To calculate the best economic N rate based on corn and N prices, go to this website: extension.agron.iastate.edu/soilfertility/nrate.aspx

All Fertility Recommendations are expressed as pounds (units) of actual nutrients per acre. Remember to give credits for the fertility value in manure, nitrogen in dry fertilizer and previous crops, and weed control carriers.

RECORDS OF ACTUAL FERTILITY APPLIED

Year	Actual Crop	Actual Yield	Lime Tons/Ac	Nitrogen Lbs/Acre	Phosphorus Lbs/Acre	Potassium Lbs/Acre

MOWERS SOIL TESTING PLUS, INC.

Client ID: 2584
Prepared for: Craig Johnson

OrderID: 213578
FarmName: Hove Farm
FieldName: North

BUILD-UP FERTILITY RECOMMENDATIONS TABLE

Below are the actual Phosphorus units (Lbs P₂O₅/Acre) and the actual Potassium (Lbs K₂O/Acre) recommended for fertility build-up for each individual sample site. The amount shown should be applied each year for the next four years if you wish to spot fertilize the field on the basis of actual test results. A zero indicates no build-up fertility is needed because the soil test readings are at or above the recommended levels. The lime recommendation is the total limestone requirement over the four year program and may be applied in one or more applications.

Sample Number	Lime Tons/Acre	Phosphorus <i>Lbs(P₂O₅)/ Ac</i>	Potassium <i>Lbs(K₂O)/ Ac</i>	Notes
1	0.0	21	100	
2	0.3	24	68	
3	0.0	0	20	
4	0.0	0	0	
5	0.0	0	0	
6	0.1	0	0	
7	0.0	17	116	
8	0.7	0	70	
9	0.2	5	31	
10	1.8	27	161	
11	1.9	0	0	
Median	0.0	0	38	

MOWERS SOIL TESTING PLUS, INC.

Client ID: 2584
Prepared for: Craig Johnson

Order ID: 213578
Farm Name: Hove Farm
Field Name: North

YOUR FERTILITY RECOMMENDATIONS OPTIONS

Build-up phosphorus and potassium can be applied each year for four years or the total amount needed for build-up can be applied at one time (4 times the amount shown in the Build-up Fertility Recommendation Table for one year).

The Fertilizer Recommendations are based on yearly applications. If you fertilize for more than one crop at a time, simply add the Fertilizer Recommendations together for the years of these crops.

RETEST IN FOUR YEARS

Agronomist: _____

Sue Dasey

Tracts
42, 43, 44 &
45

Mowers Soil Testing Plus, Inc.

Toulon, IL 61483-0540

(309)286-2761















Customer: Craig Johnson
Farm Name: Petry07
Description: Petry Farm_East, North, South

City: Belvidere
State: IL
Zip: 61008

Farm Map

1 inch = 1475 feet

Legend



Latitude: 42.3991
Longitude: 88.7445

Mowers Soil Testing Plus, Inc.

Toulon, IL 61483-0540

(309)286-2761

Customer: Craig Johnson
 Field: PetE_07 (#28846)
 Description: Pety Farm_East
 Acres: 56.1


County: Boone
 Township: Boone
 Range: 4E
 Section: 11,12,14
 Date Tested: 12/04/2007

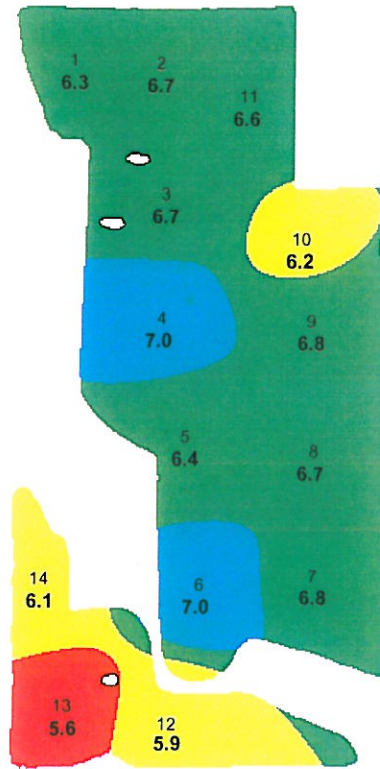
of Samples: 14

1 inch = 660 feet

Water pH Results

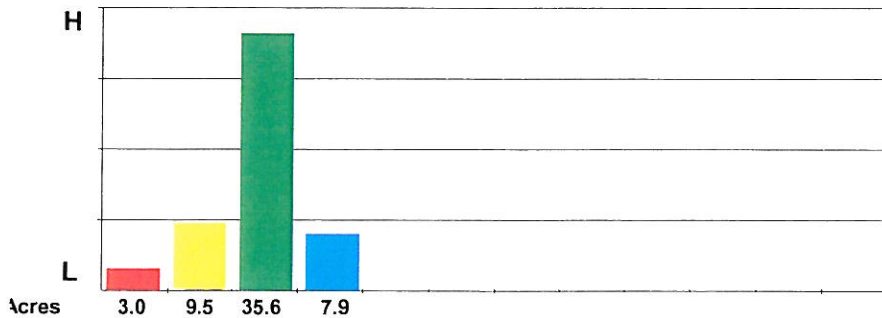
Legend

	< 5.8 Deficient
	5.8 - 6.3 Low
	6.3 - 6.8 Optimum
	6.8 - 7.5 High
	> 7.5 Excessive

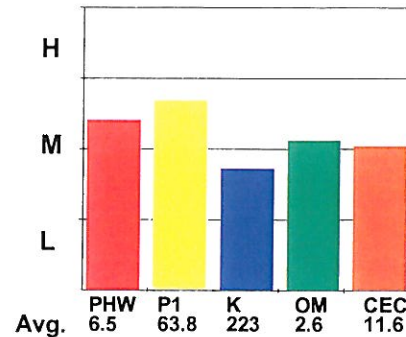


Latitude: 42.3952
 Longitude: 88.7254
 Grid Size: 440nsX440ew

BREAKDOWN OF FIELD ACRES



FIELD NUTRIENT SUMMARY



Mowers Soil Testing Plus, Inc.

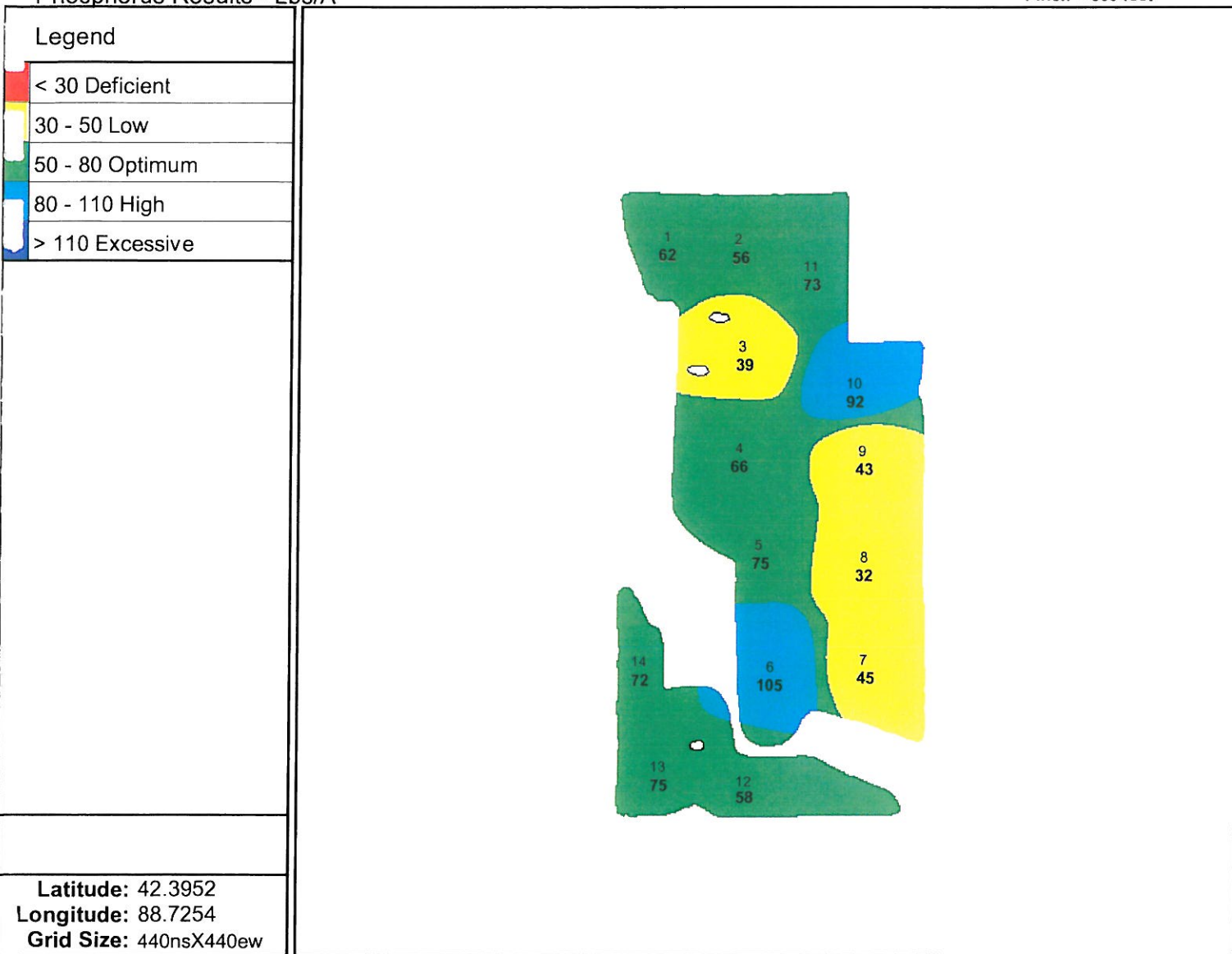
Toulon, IL 61483-0540
(309)286-2761

Customer: Craig Johnson
Field: PetE_07 (#28846)
Description: Pety Farm_East
Acres: 56.1
of Samples: 14

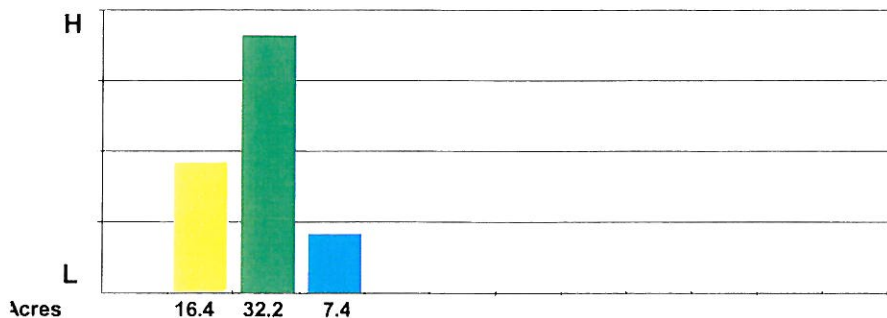
County: Boone
Township: Boone
Range: 4E
Section: 11,12,14
Date Tested: 12/04/2007

Phosphorus Results - Lbs/A

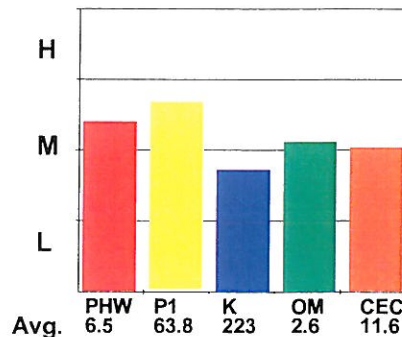
1 inch = 660 feet



BREAKDOWN OF FIELD ACRES



FIELD NUTRIENT SUMMARY



Mowers Soil Testing Plus, Inc.

Toulon, IL 61483-0540
(309)286-2761






Customer: Craig Johnson
Field: PetE_07 (#28846)
Description: Pety Farm_East
Acres: 56.1

County: Boone
Township: Boone
Range: 4E
Section: 11,12,14
Date Tested: 12/04/2007

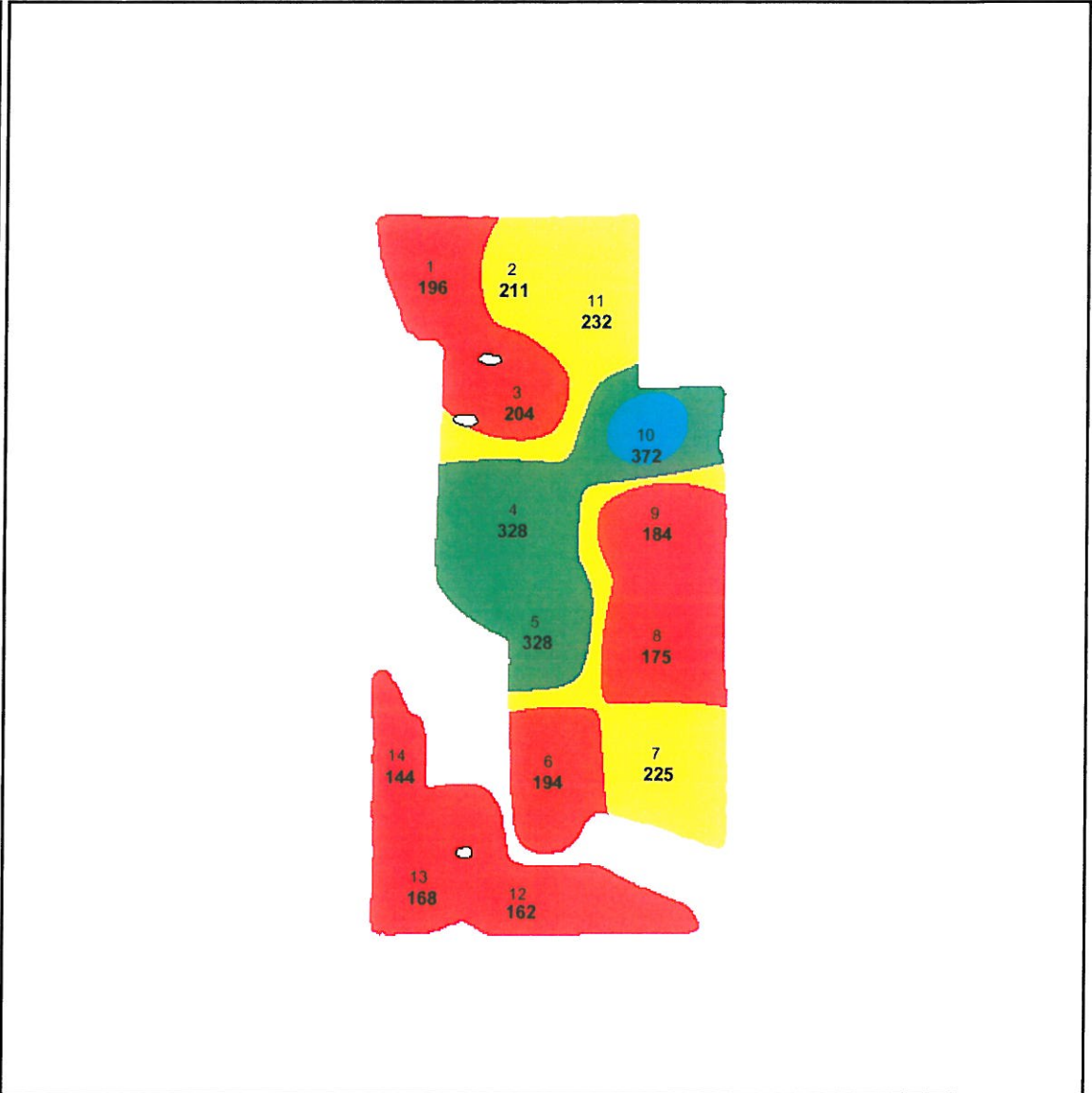
of Samples: 14

Potassium Results - Lbs/A

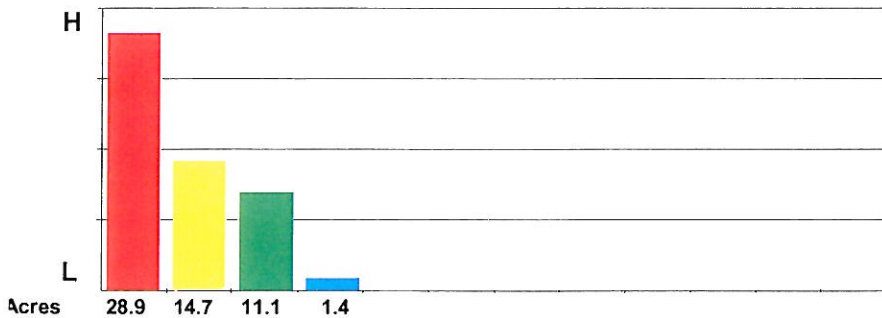
1 inch = 660 feet

Legend	
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	210 - 290 Low
	290 - 370 Optimum
	370 - 450 High
	> 450 Excessive

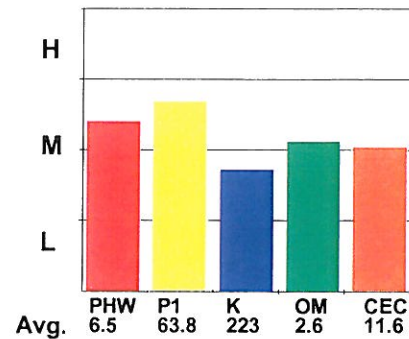
Latitude: 42.3952
Longitude: 88.7254
Grid Size: 440nsX440ew



BREAKDOWN OF FIELD ACRES



FIELD NUTRIENT SUMMARY





MOWERS
Soil Testing Plus, Inc.
117 E. Main St.
P.O. Box 540
Toulon, IL 61483-0540
(309) 286-2761
(800) 354-8197
Fax (309) 286-6251

LABORATORY ANALYSIS AND RECOMMENDATION REPORT

Special Report For: Craig Johnson
Samples Submitted by: Craig Johnson
K-B Farms Inc
600 S State St Suite 300
Belvidere, IL 61008-4322

Order No: 213574
Client ID: 2584
Report Date: 12/4/2007
Farm Name: Petry Farm
Field Name: East
Field Acres: 56.1

Sample	Water pH	Buffer pH	Phosphorus	Pounds Per Acre				Parts per Million				Percent Saturation				meq/100g CEC		
				Potassium	Calcium	Magnesium	Organic Matter	Sulfur	Zinc	Manganese	Boron	Iron	Copper	Sodium	Soluble Salts		dS/m	Ca
1	6.3	7.0	62	196	1794	559	2.3							54.6	28.3	3.1	14.1	8.2
2	6.7	7.4	56	211	2300	781	2.2							58.3	33.0	2.7	5.9	9.9
3	6.7	7.3	39	204	2760	897	2.7							59.0	32.0	2.2	6.8	11.7
4	7.0	7.5	66	328	3146	1125	2.3							60.6	36.1	3.2	0.0	13.0
5	6.4	7.1	75	328	2558	904	2.4							53.3	31.4	3.5	11.8	12.0
6	7.0	7.5	105	194	3864	842	3.0							72.0	26.1	1.9	0.0	13.4
7	6.8	7.4	45	225	3735	1096	2.8							62.9	30.8	1.9	4.4	14.9
8	6.7	7.3	32	175	2705	868	2.6							60.1	32.2	2.0	5.7	11.2
9	6.8	7.4	43	184	2484	802	2.7							61.2	32.9	2.3	3.6	10.1
10	6.2	6.9	92	372	2558	876	2.3							51.5	29.4	3.8	15.2	12.4
11	6.6	7.3	73	232	2079	680	2.4							58.0	31.6	3.3	7.0	9.0
12	5.9	6.6	58	162	4398	884	3.3							57.6	19.3	1.1	22.0	19.1
13	5.6	6.3	75	168	1858	460	2.6							49.1	20.2	2.3	28.4	9.5
14	6.1	6.8	72	144	1704	488	2.5							53.7	25.6	2.3	18.4	7.9
Field Median	6.7	7.3	64	200	2558	856	2.5							58.2	31.1	2.3	6.9	11.5

Field Median	Fertility Level				Fertilizer Recommendations in pounds per acre
	V Low	Low	Medium	High	
Water pH	6.7				
Phosphorus	64				Intended Crop Yield Goal
Potassium	200				$N - P_2O_5 - K_2O$
Limestone Recommendations					$N - P_2O_5 - K_2O$
CONVERSIONS: PPM = Lbs./Acre / 2 or Lbs./Acre = PPM x 2					
Previous Crop Corn Grain Previous Yield: 0 Bu/Ac					
Optimum Ranges:					
Water pH: 6.3 - 6.8					
Phosphorus: 50.0 - 80.0					
Potassium: 290.0 - 370.0					
Build-up					
Crop Removal IL					
**TOTAL REQUIRED					
Credits:					
**ADJUSTED RECOMMENDATIONS					
Adjust Nitrogen Recommendations for Previous Crop or other N Sources.					

MOWERS SOIL TESTING PLUS, INC.

Client ID: 2584
Prepared for: Craig Johnson

OrderID: 213574
FarmName: Petry Farm
FieldName: East

BUILD-UP FERTILITY RECOMMENDATIONS TABLE

Below are the actual Phosphorus units (Lbs P₂O₅/Acre) and the actual Potassium (Lbs K₂O/Acre) recommended for fertility build-up for each individual sample site. The amount shown should be applied each year for the next four years if you wish to spot fertilize the field on the basis of actual test results. A zero indicates no build-up fertility is needed because the soil test readings are at or above the recommended levels. The lime recommendation is the total limestone requirement over the four year program and may be applied in one or more applications.

Sample Number	Lime Tons/Acre	Phosphorus <i>Lbs(P₂O₅)/ Ac</i>	Potassium <i>Lbs(K₂O)/ Ac</i>	Notes
1	0.6	0	94	
2	0.0	0	79	
3	0.0	25	86	
4	0.0	0	0	
5	0.2	0	0	
6	0.0	0	96	
7	0.0	12	65	
8	0.0	40	115	
9	0.0	16	106	
10	0.8	0	0	
11	0.0	0	58	
12	2.7	0	158	
13	3.4	0	122	
14	1.2	0	116	
Median	0.0	0	90	

MOWERS SOIL TESTING PLUS, INC.

Client ID: 2584
Prepared for: Craig Johnson

Order ID: 213574
Farm Name: Petry Farm
Field Name: East

YOUR FERTILITY RECOMMENDATIONS OPTIONS

Build-up phosphorus and potassium can be applied each year for four years or the total amount needed for build-up can be applied at one time (4 times the amount shown in the Build-up Fertility Recommendation Table for one year).

The Fertilizer Recommendations are based on yearly applications. If you fertilize for more than one crop at a time, simply add the Fertilizer Recommendations together for the years of these crops.

RETEST IN FOUR YEARS

Agronomist: *Sue Dorsey*

Mowers Soil Testing Plus, Inc.

Toulon, IL 61483-0540

(309)286-2761






Customer: Craig Johnson
 Field: PetS_07 (#28848)
 Description: Petry Farm_South
 Acres: 106.9

County: Boone
 Township: Boone
 Range: 4E
 Section: 11,12,14
 Date Tested: 12/04/2007

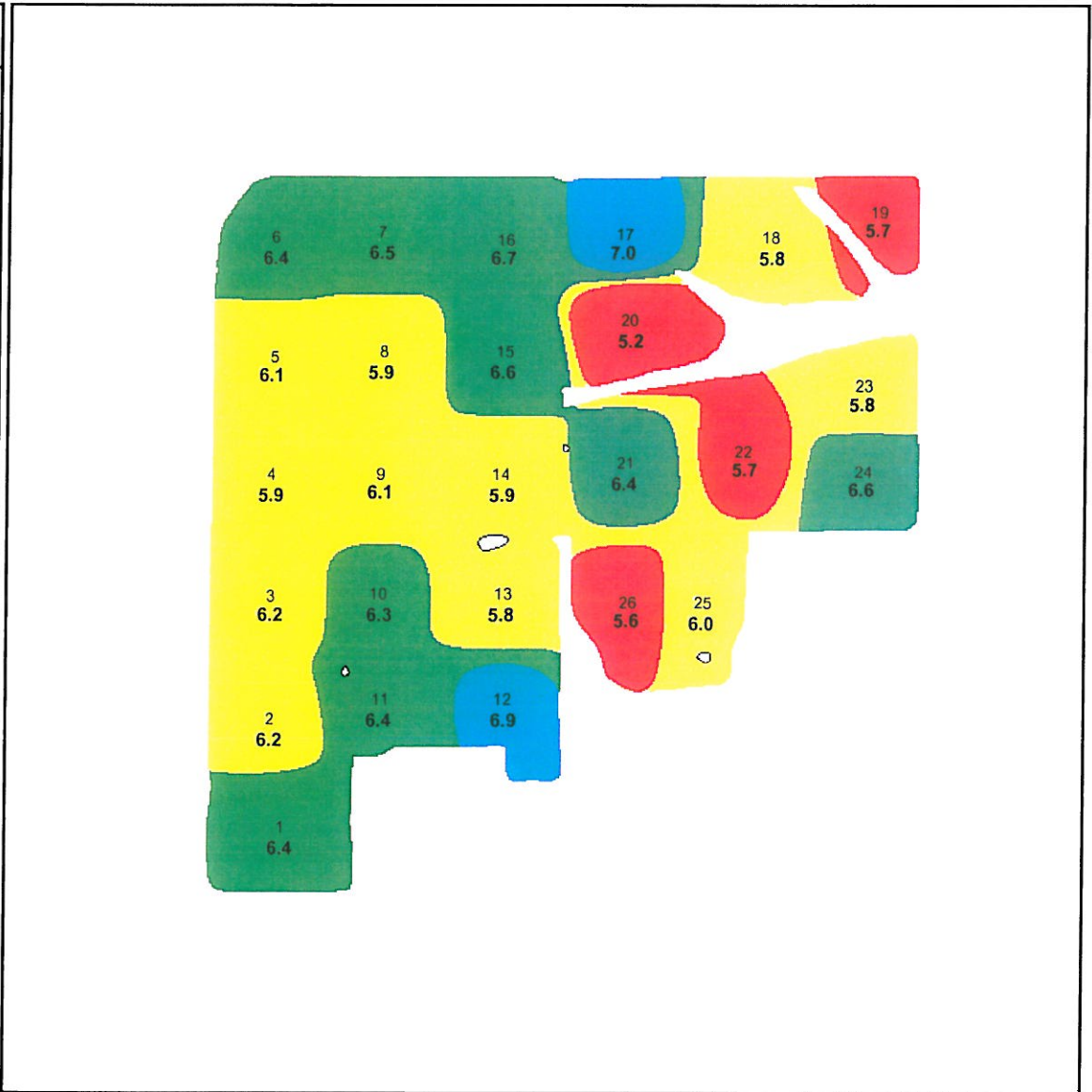
of Samples: 26

1 inch = 660 feet

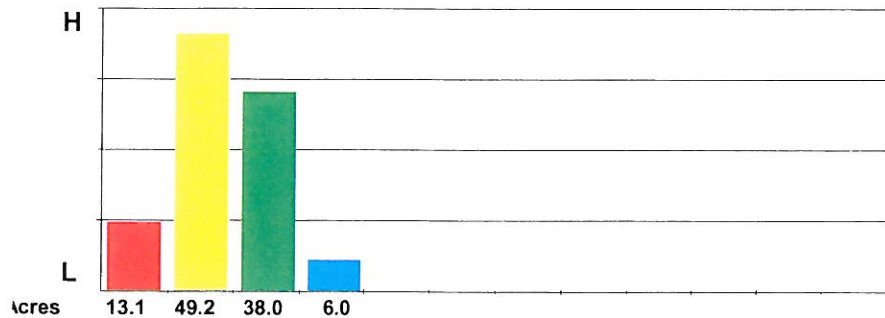
Water pH Results

Legend	
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	5.8 - 6.3 Low
	6.3 - 6.8 Optimum
	6.8 - 7.5 High
	> 7.5 Excessive

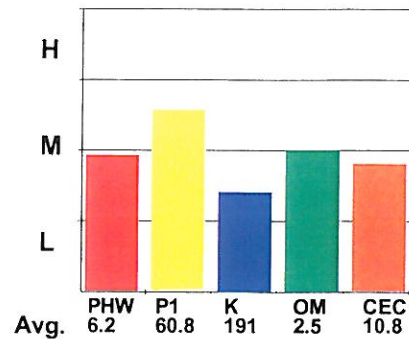
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 Longitude: 88.7378
 Grid Size: 440nsX440ew



BREAKDOWN OF FIELD ACRES



FIELD NUTRIENT SUMMARY



Mowers Soil Testing Plus, Inc.

Toulon, IL 61483-0540

(309)286-2761






Customer: Craig Johnson
 Field: PetS_07 (#28848)
 Description: Petry Farm_South
 Acres: 106.9

County: Boone
 Township: Boone
 Range: 4E
 Section: 11,12,14
 Date Tested: 12/04/2007

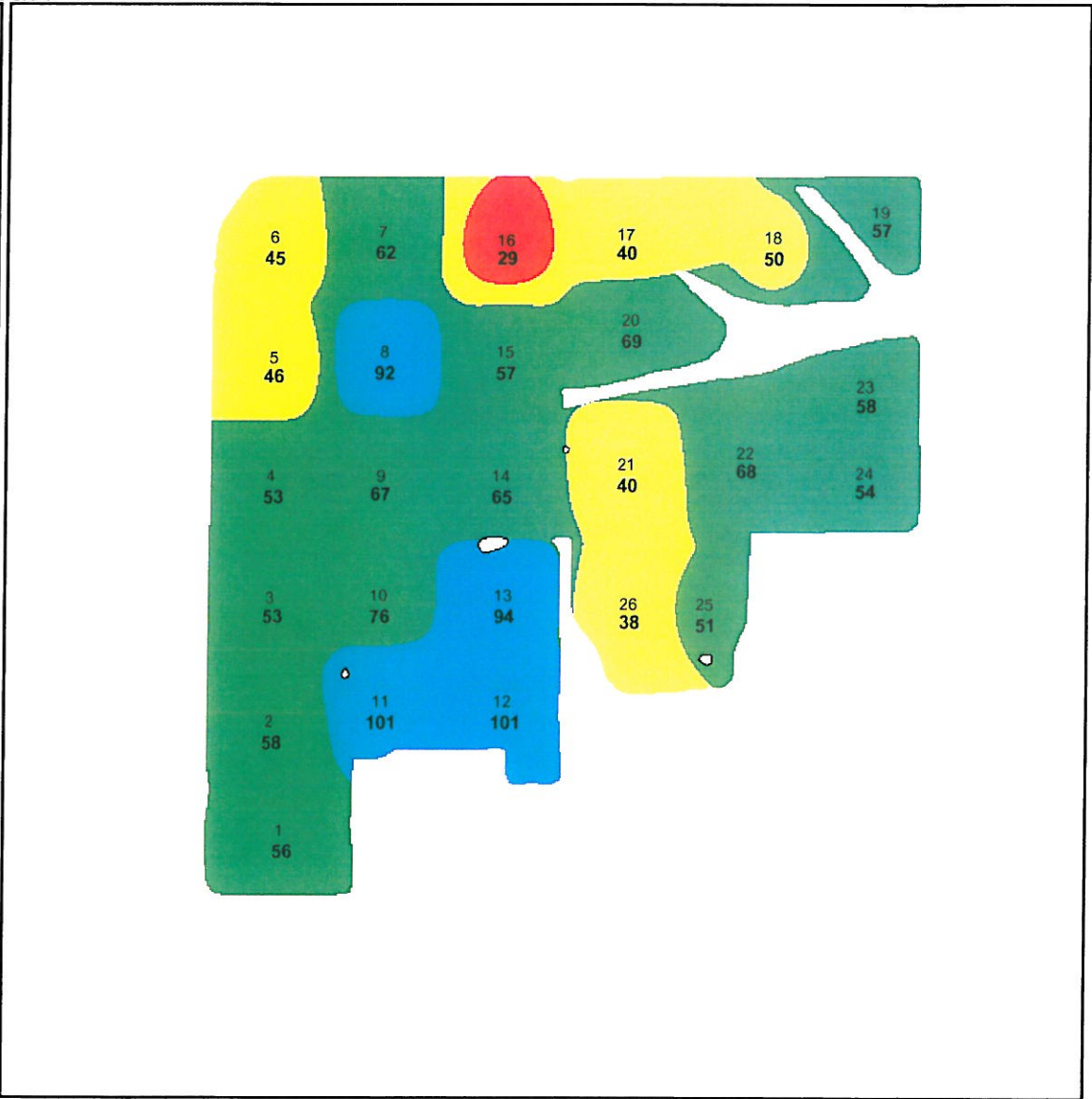
of Samples: 26

Phosphorus Results - Lbs/A

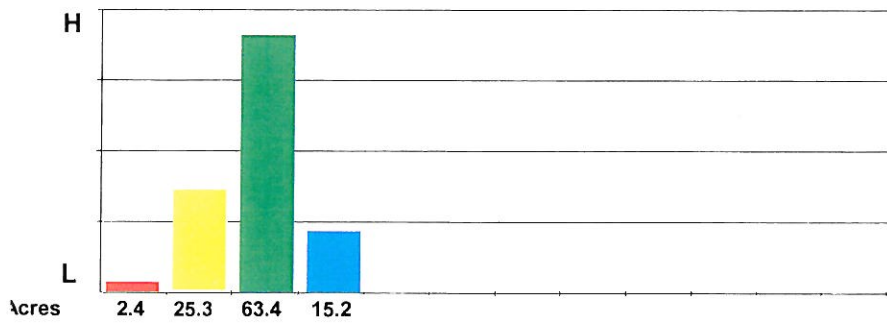
1 inch = 660 feet

Legend	
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	30 - 50 Low
	50 - 80 Optimum
	80 - 110 High
	> 110 Excessive

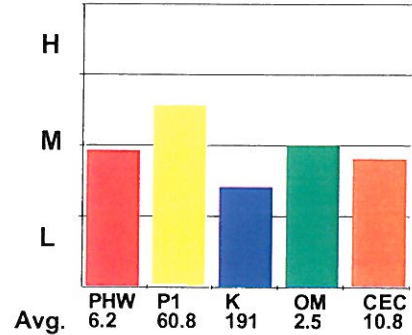
Latitude: 42.3876
 Longitude: 88.7378
 Grid Size: 440nsX440ew



BREAKDOWN OF FIELD ACRES



FIELD NUTRIENT SUMMARY



Mowers Soil Testing Plus, Inc.






Toulon, IL 61483-0540
(309)286-2761

Customer: Craig Johnson
Field: PetS_07 (#28848)
Description: Petry Farm_South
Acres: 106.9

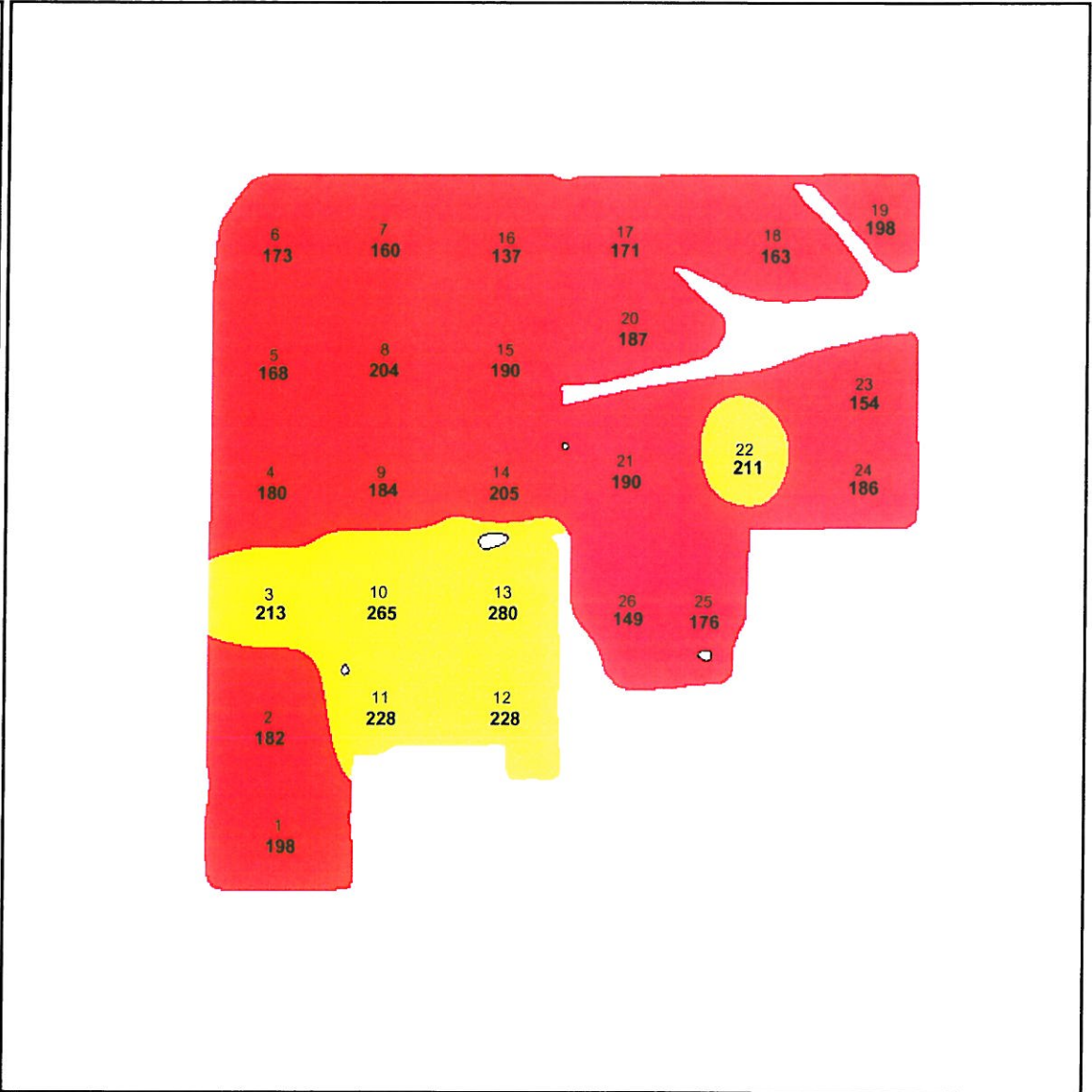
County: Boone
Township: Boone
Range: 4E
Section: 11,12,14
Date Tested: 12/04/2007

of Samples: 26
Potassium Results - Lbs/A

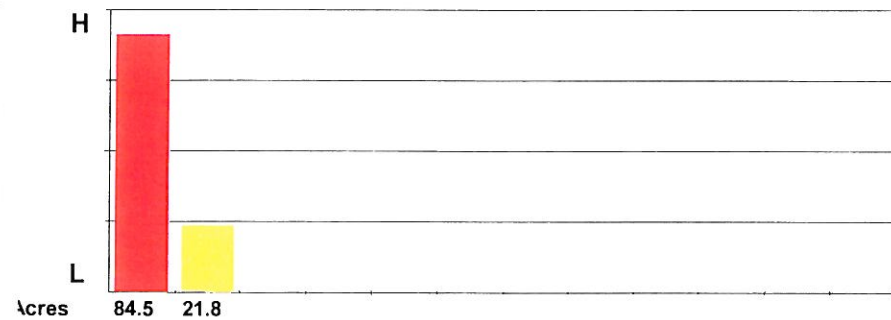
1 inch = 660 feet

Legend	
	< 210 Deficient
	210 - 290 Low
	290 - 370 Optimum
	370 - 450 High
	> 450 Excessive

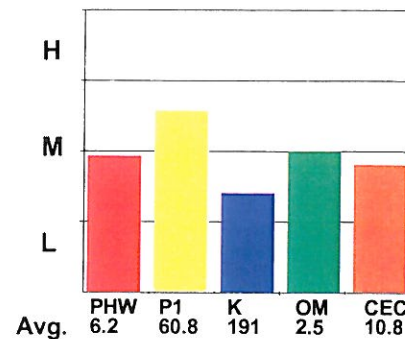
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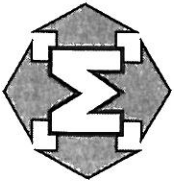


BREAKDOWN OF FIELD ACRES



FIELD NUTRIENT SUMMARY





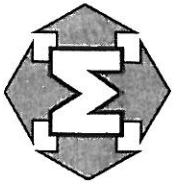
MOWERS
 Soil Testing Plus, Inc.
 117 E. Main St.
 P.O. Box 540
 Toulon, IL 61483-0540
 (309) 286-2761
 (800) 354-8197
 Fax (309) 286-6251

LABORATORY ANALYSIS AND RECOMMENDATION REPORT

Special Report For: Craig Johnson
 Samples Submitted by: Craig Johnson
 K-B Farms Inc
 600 S State St Suite 300
 Belvidere, IL 61008-4322

Order No: 213574
 Client ID: 2584
 Report Date: 12/4/2007
 Farm Name: Petry Farm
 Field Name: South
 Field Acres: 106.9

Sample	Water pH	Buffer pH	Phos-phorus	Pounds Per Acre			Percent Organic Matter	Parts per Million							Percent Saturation			meq/100g	
				Potassium	Calcium	Magnesium		Sulfur	Zinc	Manganese	Boron	Iron	Copper	Sodium	dS/m Soluble Salts	Ca	Mg		K
1	6.4	7.1	56	198	2410	859	2.3								53.8	31.9	2.3	12.1	11.2
2	6.2	6.9	58	182	2631	863	2.2								53.3	29.1	1.9	15.6	12.3
3	6.2	6.9	53	213	2852	1003	2.0								51.9	30.4	2.0	15.7	13.7
4	5.9	6.6	53	180	2245	692	2.7								50.0	25.7	2.1	22.2	11.2
5	6.1	6.7	46	168	2098	621	2.6								52.8	26.1	2.2	19.0	9.9
6	6.4	7.0	45	173	2410	690	2.8								57.5	27.4	2.1	12.9	10.5
7	6.5	7.1	62	160	2392	652	2.9								60.1	27.3	2.1	10.5	9.9
8	5.9	6.6	92	204	2245	498	2.8								55.2	20.4	2.6	21.8	10.2
9	6.1	6.8	67	184	2245	686	2.4								53.4	27.2	2.2	17.1	10.5
10	6.3	7.0	76	265	2981	1030	2.3								52.7	30.4	2.4	14.5	14.1
11	6.4	7.1	101	228	2539	768	2.2								57.2	28.8	2.6	11.3	11.1
12	6.9	7.5	101	228	2484	730	2.3								63.9	31.3	3.0	1.9	9.7
13	5.8	6.7	94	280	2061	536	2.2								50.3	21.8	3.5	24.4	10.2
14	5.9	6.8	65	205	2502	817	2.4								48.8	26.6	2.1	22.5	12.8
15	6.6	7.2	57	190	2484	777	2.7								58.4	30.4	2.3	8.9	10.6
16	6.7	7.3	29	137	2539	762	3.0								61.0	30.5	1.7	6.8	10.4
17	7.0	7.5	40	171	3275	922	3.1								66.9	31.4	1.8	0.0	12.2
18	5.8	6.7	50	163	2061	570	2.4								50.0	23.0	2.0	24.9	10.3
19	5.7	6.6	57	198	1748	528	2.3								46.8	23.5	2.7	27.0	9.3
20	5.2	6.4	69	187	1895	452	2.4								43.9	17.4	2.2	36.5	10.8
21	6.4	7.1	40	190	2392	849	2.3								53.4	31.6	2.2	12.7	11.2
22	5.7	6.6	68	211	1914	608	2.4								47.2	25.0	2.7	25.2	10.1
23	5.8	6.5	58	154	2024	576	2.6								50.6	24.0	2.0	23.5	10.0
24	6.6	7.3	54	186	1950	568	2.5								59.9	29.1	2.9	8.0	8.1
25	6.0	6.7	51	176	2024	663	2.6								49.9	27.2	2.2	20.7	10.1
26	5.6	6.5	38	149	1877	566	2.5								47.0	23.6	1.9	27.4	10.0
Field Median	6.2	6.9	58	186	2318	688	2.4								53.1	27.3	2.2	16.4	10.4



MOWERS
 Soil Testing Plus, Inc.
 117 E. Main St.
 P.O. Box 540
 Toulon, IL 61483-0540
 (309) 286-2761
 (800) 354-8197
 Fax (309) 286-6251

LABORATORY ANALYSIS AND RECOMMENDATION REPORT

Special Report For: Craig Johnson
 Order No: 213574
 Samples Submitted by: Craig Johnson
 Client ID: 2584
 Report Date: 12/4/2007
 Farm Name: Pety Farm
 Field Name: South
 Field Acres: 106.9

Sample	Water pH	Buffer pH	Pounds Per Acre					Percent Organic Matter	Parts per Million					dS/m Soluble Salts	Percent Saturation			meq/100g CEC
			Phosphorus	Potassium	Calcium	Magnesium	Sulfur		Zinc	Manganese	Boron	Iron	Copper		Sodium	Ca	Mg	
Water pH	6.2		Fertility Level						Fertilizer Recommendations in pounds per acre									
Phosphorus	58		V Low	Low	Medium	High	V High	Intended Crop Yield Goal	N - P ₂ O ₅ - K ₂ O									
Potassium	186							Build-up	N - P ₂ O ₅ - K ₂ O									
Limestone Recommendations								Crop Removal IL										
**TOTAL REQUIRED																		
Credits:																		
**ADJUSTED RECOMMENDATIONS																		
Adjust Nitrogen Recommendations for Previous Crop or other N Sources.																		

CONVERSIONS: PPM = Lbs./Acre / 2 or Lbs./Acre = PPM x 2
 Previous Crop Corn Grain Previous Yield: 0 Bu/Ac

Optimum Ranges:
 Water pH: 6.3 - 6.8
 Phosphorus: 50.0 - 80.0
 Potassium: 290.0 - 370.0

MOWERS SOIL TESTING PLUS, INC.

Client ID: 2584
Prepared for: Craig Johnson

OrderID: 213574
FarmName: Petry Farm
FieldName: South

BUILD-UP FERTILITY RECOMMENDATIONS TABLE

Below are the actual Phosphorus units (Lbs P2O5/Acre) and the actual Potassium (Lbs K2O/Acre) recommended for fertility build-up for each individual sample site. The amount shown should be applied each year for the next four years if you wish to spot fertilize the field on the basis of actual test results. A zero indicates no build-up fertility is needed because the soil test readings are at or above the recommended levels. The lime recommendation is the total limestone requirement over the four year program and may be applied in one or more applications.

Sample Number	Lime Tons/Acre	Phosphorus <i>Lbs(P₂O₅)/ Ac</i>	Potassium <i>Lbs(K₂O)/ Ac</i>	Notes
1	0.2	0	92	
2	0.9	0	108	
3	0.9	0	77	
4	2.2	0	110	
5	1.6	9	122	
6	0.4	11	117	
7	0.0	0	130	
8	2.1	0	86	
9	1.2	0	106	
10	0.7	0	25	
11	0.1	0	62	
12	0.0	0	62	
13	2.6	0	10	
14	2.3	0	85	
15	0.0	0	100	
16	0.0	46	153	
17	0.0	23	119	
18	2.7	0	127	
19	3.1	0	92	
20	4.9	0	103	
21	0.4	22	100	
22	2.8	0	79	
23	2.4	0	136	
24	0.0	0	104	
25	1.9	0	114	
26	3.2	28	141	
Median	1.1	0	103	

MOWERS SOIL TESTING PLUS, INC.

Client ID: 2584
Prepared for: Craig Johnson

Order ID: 213574
Farm Name: Petry Farm
Field Name: South

YOUR FERTILITY RECOMMENDATIONS OPTIONS

Adjust the limestone recommendations for your tillage practices.

Build-up phosphorus and potassium can be applied each year for four years or the total amount needed for build-up can be applied at one time (4 times the amount shown in the Build-up Fertility Recommendation Table for one year).

The Fertilizer Recommendations are based on yearly applications. If you fertilize for more than one crop at a time, simply add the Fertilizer Recommendations together for the years of these crops.

RETEST IN FOUR YEARS

Agronomist: *Sue Dorsey*

Mowers Soil Testing Plus, Inc.

Toulon, IL 61483-0540

(309)286-2761

Customer: Craig Johnson
 Field: PetN_07 (#28847)
 Description: Pety Farm_North
 Acres: 119.1




County: Boone
 Township: Boone
 Range: 4E
 Section: 11,12,14
 Date Tested: 12/04/2007

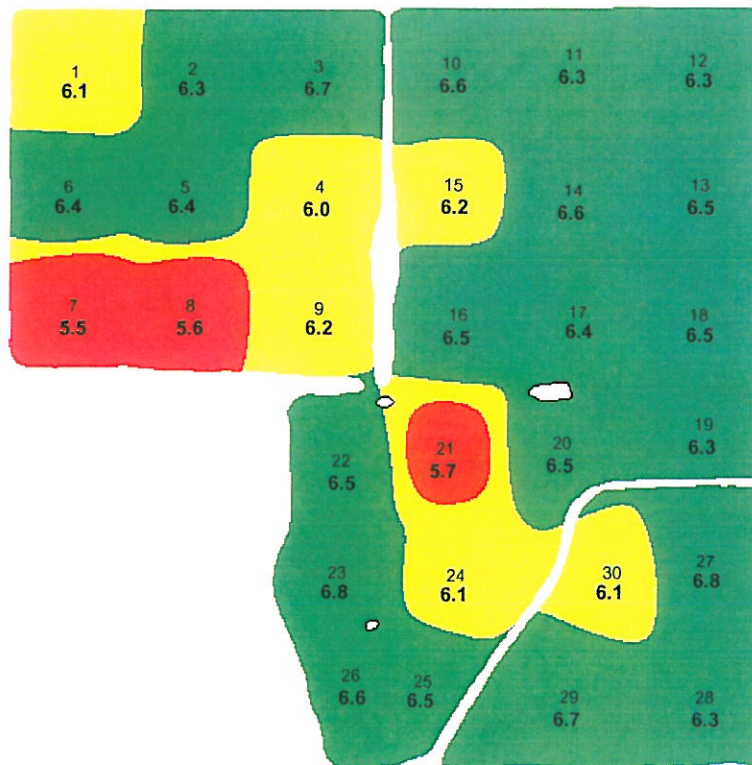
of Samples: 30

1 inch = 660 feet

Water pH Results

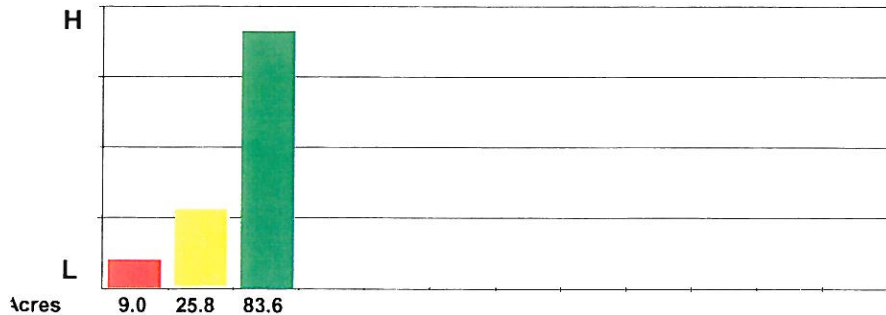
Legend

	< 5.8 Deficient
	5.8 - 6.3 Low
	6.3 - 6.8 Optimum
	6.8 - 7.5 High
	> 7.5 Excessive

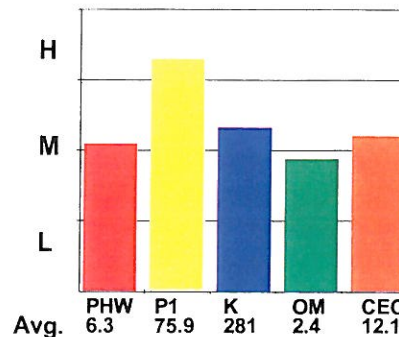


Latitude: 42.3948
 Longitude: 88.7427
 Grid Size: 440nsX440ew

BREAKDOWN OF FIELD ACRES



FIELD NUTRIENT SUMMARY



Mowers Soil Testing Plus, Inc.

Toulon, IL 61483-0540

(309)286-2761






Customer: Craig Johnson
 Field: PetN_07 (#28847)
 Description: Pety Farm_North
 Acres: 119.1

County: Boone
 Township: Boone
 Range: 4E
 Section: 11,12,14
 Date Tested: 12/04/2007

of Samples: 30

Phosphorus Results - Lbs/A

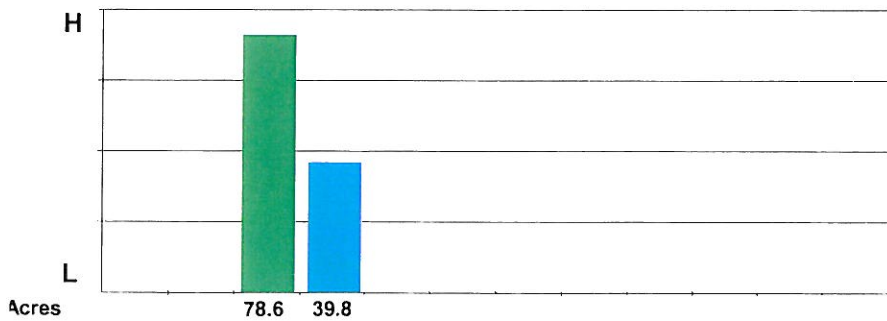
1 inch = 660 feet

Legend	
	< 30 Deficient
	30 - 50 Low
	50 - 80 Optimum
	80 - 110 High
	> 110 Excessive

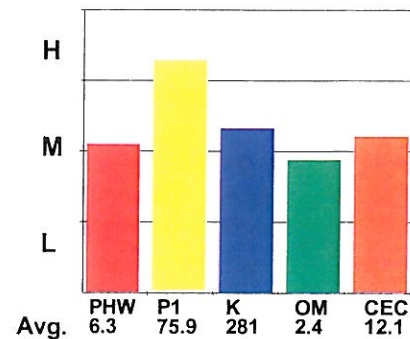
Latitude: 42.3948
 Longitude: 88.7427
 Grid Size: 440nsX440ew



BREAKDOWN OF FIELD ACRES



FIELD NUTRIENT SUMMARY



Mowers Soil Testing Plus, Inc.

Toulon, IL 61483-0540






(309)286-2761

Customer: Craig Johnson
 Field: PetN_07 (#28847)
 Description: Pety Farm_North
 Acres: 119.1

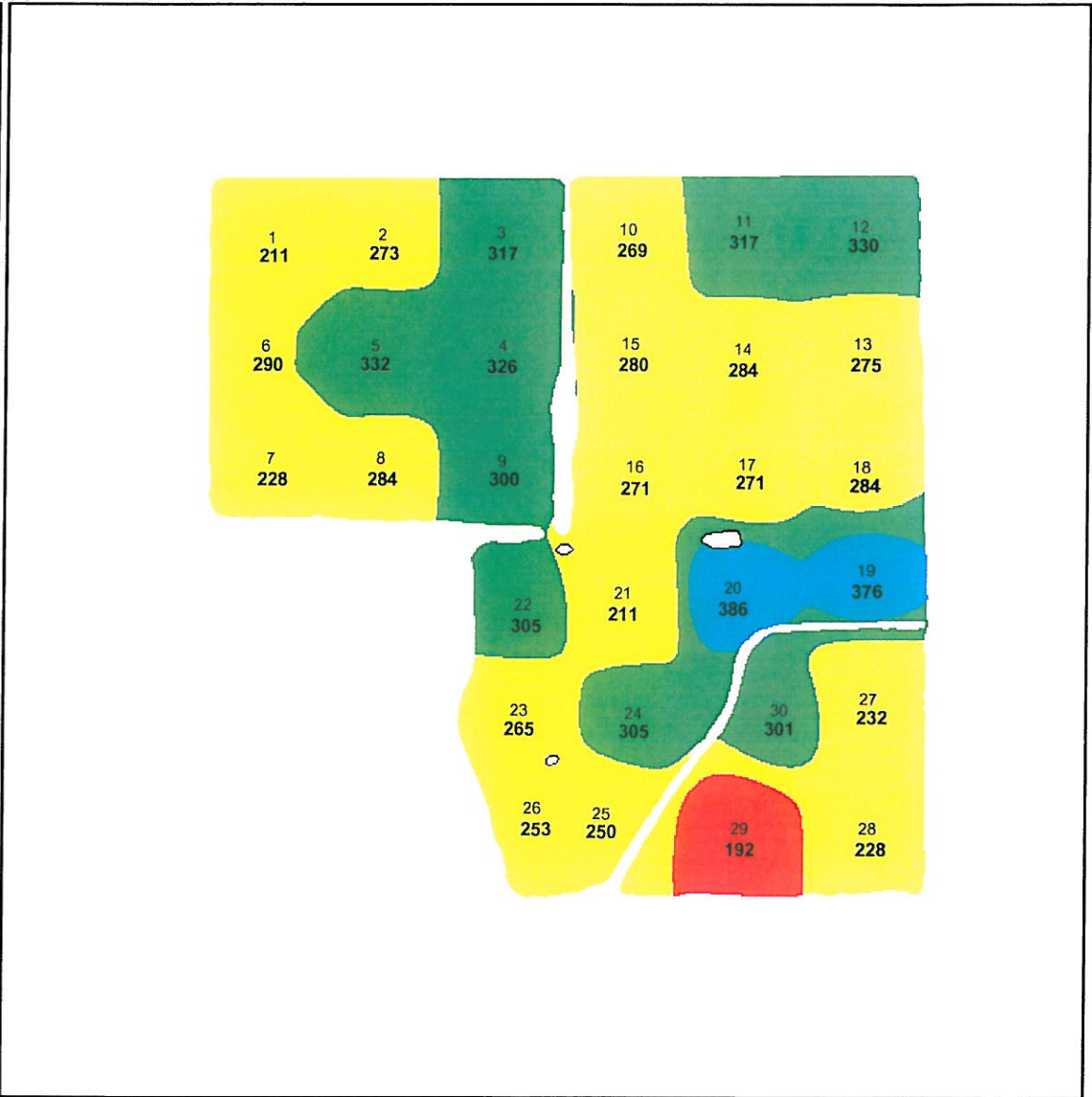
County: Boone
 Township: Boone
 Range: 4E
 Section: 11,12,14
 Date Tested: 12/04/2007

of Samples: 30
 Potassium Results - Lbs/A

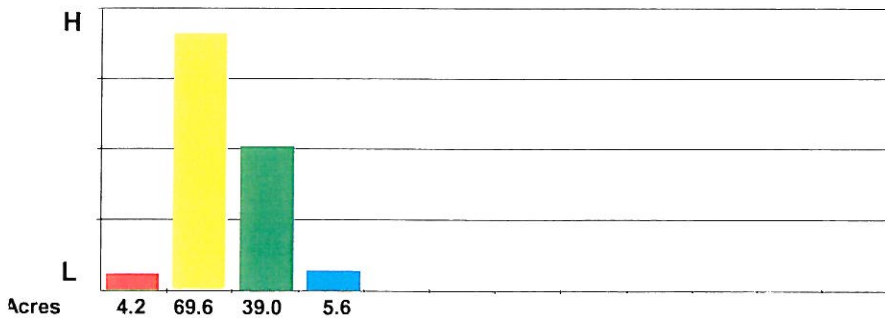
1 inch = 660 feet

Legend	
	< 210 Deficient
	210 - 290 Low
	290 - 370 Optimum
	370 - 450 High
	> 450 Excessive

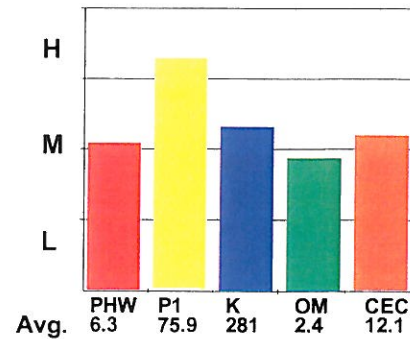
Latitude: 42.3948
 Longitude: 88.7427
 Grid Size: 440nsX440ew

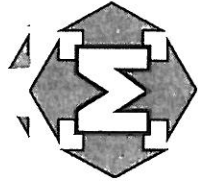


BREAKDOWN OF FIELD ACRES



FIELD NUTRIENT SUMMARY





M¹ MOWERS
 Soil Testing Plus, Inc.
 117 E. Main St.
 P.O. Box 540
 Toulon, IL 61483-0540
 (309) 286-2761
 (800) 354-8197
 Fax (309) 286-6251

LABORATORY ANALYSIS AND RECOMMENDATION REPORT

Order No: 213574
 Client ID: 2584
 Report Date: 12/4/2007
 Farm Name: Petry Farm
 Field Name: North
 Field Acres: 119.1

Special Report For: Craig Johnson
 Samples Submitted by: Craig Johnson
 K-B Farms Inc
 600 S State St Suite 300
 Belvidere, IL 61008-4322

Sample	Water pH	Buffer pH	Phosphorus	Pounds Per Acre			Percent Organic Matter	Parts per Million							Percent Saturation			meq/100g CEC	
				Calcium	Potassium	Magnesium		Sulfur	Zinc	Manganese	Boron	Iron	Copper	Sodium	dS/m Soluble Salts	Ca	Mg		K
1	6.1	6.7	57	211	2171	526	2.7								56.2	22.7	2.8	18.4	9.7
2	6.3	6.9	59	273	2466	633	2.8								57.4	24.5	3.3	14.9	10.7
3	6.7	7.3	74	317	3809	961	3.3								63.6	26.8	2.7	6.9	15.0
4	6.0	6.9	87	326	2337	663	2.0								51.2	24.2	3.7	20.9	11.4
5	6.4	7.1	100	332	2190	610	2.1								56.5	26.2	4.4	12.9	9.7
6	6.4	7.1	95	290	2282	671	2.0								56.4	27.6	3.7	12.3	10.1
7	5.5	6.4	73	228	2263	568	2.1								47.9	20.0	2.5	29.6	11.8
8	5.6	6.5	77	284	1741	448	2.2								47.2	20.3	4.0	28.6	9.2
9	6.2	6.9	87	300	2171	659	2.3								52.9	26.8	3.7	16.5	10.3
10	6.6	7.3	62	269	2797	747	2.4								62.0	27.6	3.1	7.3	11.3
11	6.3	7.1	110	317	2245	612	1.5								56.8	25.8	4.1	13.3	9.9
12	6.3	7.0	66	330	3238	956	1.8								55.6	27.3	2.9	14.2	14.6
13	6.5	7.2	64	275	2502	821	2.2								56.7	31.0	3.2	9.2	11.0
14	6.6	7.3	88	284	2797	838	2.1								58.7	29.3	3.1	9.0	11.9
15	6.2	6.9	76	280	2521	804	2.3								52.4	27.9	3.0	16.7	12.0
16	6.5	7.2	91	271	2429	766	2.2								56.7	29.8	3.2	10.2	10.7
17	6.4	7.1	61	271	3054	960	1.8								56.0	29.3	2.5	12.2	13.6
18	6.5	7.1	60	284	3901	1026	3.0								60.4	26.5	2.3	10.9	16.1
19	6.3	6.9	72	376	3938	1015	3.1								57.9	24.9	2.8	14.3	17.0
20	6.5	7.1	88	386	3993	1216	2.6								57.6	29.3	2.9	10.3	17.3
21	5.7	6.6	64	211	2374	599	2.0								51.0	21.4	2.3	25.2	11.6
22	6.5	7.1	103	305	3993	882	3.4								64.0	23.5	2.5	10.0	15.6
23	6.8	7.4	84	265	2558	610	2.7								65.7	26.1	3.5	4.7	9.7
24	6.1	6.8	74	305	2852	806	2.4								53.8	25.3	3.0	17.9	13.2
25	6.5	7.2	76	250	2631	764	2.5								58.8	28.5	2.9	9.8	11.2
26	6.6	7.3	80	253	2594	787	2.4								59.5	30.1	3.0	7.4	10.9
27	6.8	7.5	57	232	2778	956	2.3								59.0	33.8	2.5	4.6	11.8
28	6.3	7.0	66	228	2226	739	2.5								53.8	29.8	2.8	13.6	10.3
29	6.7	7.3	51	192	2245	737	2.6								59.0	32.3	2.6	6.2	9.5
30	6.1	6.7	74	301	3330	979	2.8								53.2	26.0	2.5	18.3	15.7
Field Median	6.4	7.1	74	282	2540	764	2.3								56.7	26.8	2.9	12.6	11.3

MOWERS SOIL TESTING PLUS, INC.

Client ID: 2584
Prepared for: Craig Johnson

Order ID: 213574
Farm Name: Petry Farm
Field Name: North

GENERAL FIELD RECOMMENDATIONS

The General Fertility Recommendations are for a Four Year Program of fertility build-up and include crop removal requirements and credits for prior fertilizer plowed down. Also any credits for manure application or nitrogen carried over from prior legumes need to be subtracted. These Fertility Recommendations must be adjusted if your cropping plans or circumstances change (i.e. if crop residues are removed, different yield goals are desired, different crops are grown, etc.) When soil test levels are above the recommended levels, a credit is given at half crop removal for high levels and full crop removal for very high levels.

Use the worksheet below to keep track of your plans and actual results. Please call the Toulon Office at (309)286-2761 or (800)354-8197 if you have any questions. Any of our staff agronomists will be happy to assist you.

Intended Crop	Corn Grain 150 Bu/Ac	Soybean 50 Bu/Ac	Corn Grain 175 Bu/Ac	Soybean 60 Bu/Ac
Yield Goal				
	$N - P_2O_5 - K_2O$	$N - P_2O_5 - K_2O$	$N - P_2O_5 - K_2O$	$N - P_2O_5 - K_2O$
Build up (4 years)	0 - 0 - 8	0 - 0 - 8	0 - 0 - 8	0 - 0 - 8
Crop Removal	180 - 56 - 42	0 - 42 - 65	210 - 65 - 49	0 - 50 - 78
TOTAL REQUIRED	180 - 56 - 50	0 - 42 - 73	210 - 65 - 57	0 - 50 - 86
Credits: High Fertility	0 - 0 - 0	0 - 0 - 0	0 - 0 - 0	0 - 0 - 0
ADJUSTED RECOMMENDATION	180 - 56 - 50	0 - 42 - 73	210 - 65 - 57	0 - 50 - 86
Limestone Requirements: 0.3 Tons/Acre				

N recommendations are based on yield. To calculate the best economic N rate based on corn and N prices, go to this website: extension.agron.iastate.edu/soilfertility/nrate.aspx

All Fertility Recommendations are expressed as pounds (units) of actual nutrients per acre. Remember to give credits for the fertility value in manure, nitrogen in dry fertilizer and previous crops, and weed control carriers.

RECORDS OF ACTUAL FERTILITY APPLIED

Year	Actual Crop	Actual Yield	Lime Tons/Ac	Nitrogen Lbs/Acre	Phosphorus Lbs/Acre	Potassium Lbs/Acre

MOWERS SOIL TESTING PLUS, INC.

Client ID: 2584
 Prepared for: Craig Johnson

OrderID: 213574
 FarmName: Petry Farm
 FieldName: North

BUILD-UP FERTILITY RECOMMENDATIONS TABLE

Below are the actual Phosphorus units (Lbs P₂O₅/Acre) and the actual Potassium (Lbs K₂O/Acre) recommended for fertility build-up for each individual sample site. The amount shown should be applied each year for the next four years if you wish to spot fertilize the field on the basis of actual test results. A zero indicates no build-up fertility is needed because the soil test readings are at or above the recommended levels. The lime recommendation is the total limestone requirement over the four year program and may be applied in one or more applications.

Sample Number	Lime Tons/Acre	Phosphorus <i>Lbs(P₂O₅)/ Ac</i>	Potassium <i>Lbs(K₂O)/ Ac</i>	Notes
1	1.5	0	79	
2	0.8	0	17	
3	0.0	0	0	
4	1.9	0	0	
5	0.4	0	0	
6	0.3	0	0	
7	3.6	0	62	
8	3.4	0	6	
9	1.1	0	0	
10	0.0	0	21	
11	0.5	0	0	
12	0.7	0	0	
13	0.0	0	15	
14	0.0	0	6	
15	1.1	0	10	
16	0.0	0	19	
17	0.3	0	19	
18	0.0	0	36	
19	0.5	0	0	
20	0.0	0	0	
21	2.8	0	79	
22	0.0	0	0	
23	0.0	0	25	
24	1.4	0	0	
25	0.0	0	40	
26	0.0	0	37	
27	0.0	0	58	
28	0.5	0	62	
29	0.0	0	98	
30	1.4	0	0	

MOWERS SOIL TESTING PLUS, INC.

Client ID: 2584
Prepared for: Craig Johnson

OrderID: 213574
FarmName: Petry Farm
FieldName: North

BUILD-UP FERTILITY RECOMMENDATIONS TABLE

Below are the actual Phosphorus units (Lbs P2O5/Acre) and the actual Potassium (Lbs K2O/Acre) recommended for fertility build-up for each individual sample site. The amount shown should be applied each year for the next four years if you wish to spot fertilize the field on the basis of actual test results. A zero indicates no build-up fertility is needed because the soil test readings are at or above the recommended levels. The lime recommendation is the total limestone requirement over the four year program and may be applied in one or more applications.

Sample Number	Lime Tons/Acre	Phosphorus <i>Lbs(P₂O₅)/ Ac</i>	Potassium <i>Lbs(K₂O)/ Ac</i>	Notes
Median	0.3	0	8	

MOWERS SOIL TESTING PLUS, INC.

Client ID: 2584
Prepared for: Craig Johnson

Order ID: 213574
Farm Name: Petry Farm
Field Name: North

YOUR FERTILITY RECOMMENDATIONS OPTIONS

Adjust the limestone recommendations for your tillage practices.

Build-up phosphorus and potassium can be applied each year for four years or the total amount needed for build-up can be applied at one time (4 times the amount shown in the Build-up Fertility Recommendation Table for one year).

The Fertilizer Recommendations are based on yearly applications. If you fertilize for more than one crop at a time, simply add the Fertilizer Recommendations together for the years of these crops.

RETEST IN FOUR YEARS

Agronomist: _____

Sue Dorsey

Tracts
47 & 48

Mowers Soil Testing Plus, Inc.

Toulon, IL 61483-0540

(309)286-2761

Customer: Craig Johnson

Field: OJohn_07 (#28790)

Description: O Johnson Farm_O Johnson

Acres: 110.1

of Samples: 30

County: Boone

Township: Boone

Range: 4E














Section: 13

Date Tested: 12/04/2007

1 inch = 660 feet

Farm Map

Legend



Latitude: 42.3877
Longitude: 88.7228
Grid Size: 440nsX440ew

Mowers Soil Testing Plus, Inc.

Toulon, IL 61483-0540

(309)286-2761

Customer: Craig Johnson
 Field: OJohn_07 (#28790)
 Description: O Johnson Farm_O Johnson
 Acres: 110.1

County: Boone
 Township: Boone
 Range: 4E
 Section: 13
 Date Tested: 12/04/2007

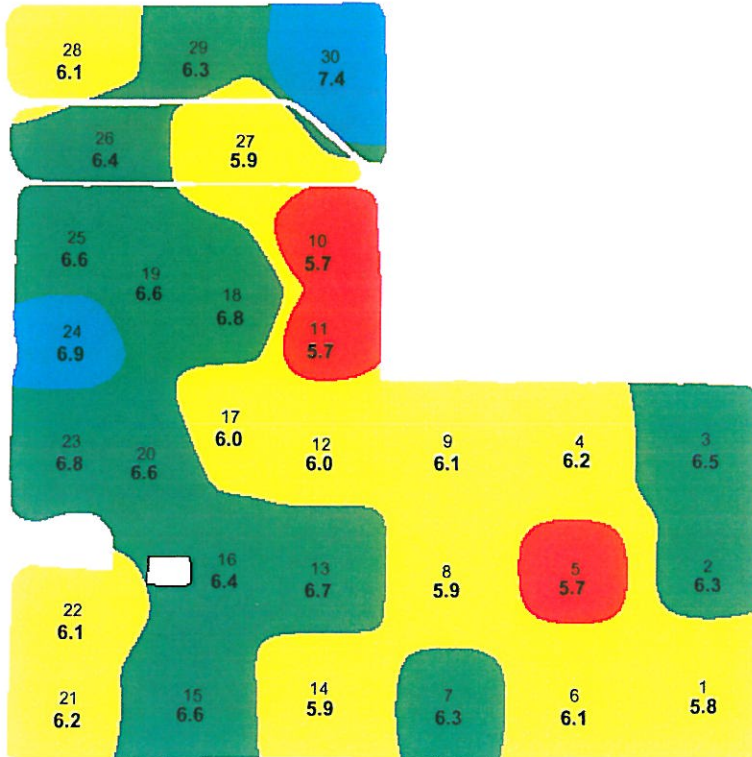
of Samples: 30

1 inch = 660 feet

Water pH Results

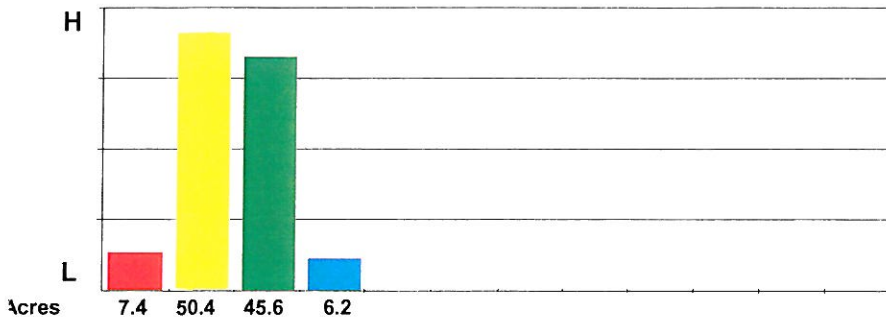
Legend

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	5.8 - 6.3 Low
	6.3 - 6.8 Optimum
	6.8 - 7.5 High
	> 7.5 Excessive

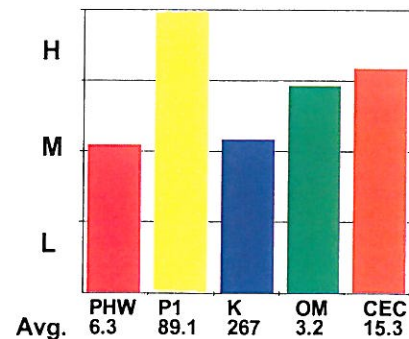


Latitude: 42.3877
 Longitude: 88.7228
 Grid Size: 440nsX440ew

BREAKDOWN OF FIELD ACRES



FIELD NUTRIENT SUMMARY



Mowers Soil Testing Plus, Inc.

Toulon, IL 61483-0540

(309)286-2761

Customer: Craig Johnson

Field: OJohn_07 (#28790)

Description: O Johnson Farm_O Johnson

Acres: 110.1

of Samples: 30

Phosphorus Results - Lbs/A

County: Boone

Township: Boone

Range: 4E

Section: 13

Date Tested: 12/04/2007

1 inch = 660 feet

Legend

< 30 Deficient

30 - 50 Low

50 - 80 Optimum

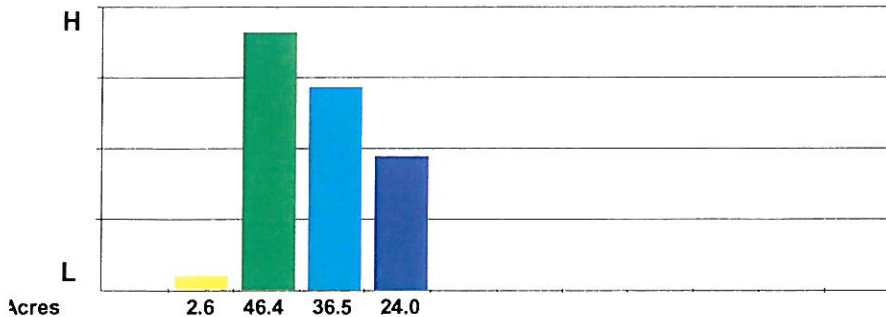
80 - 110 High

> 110 Excessive

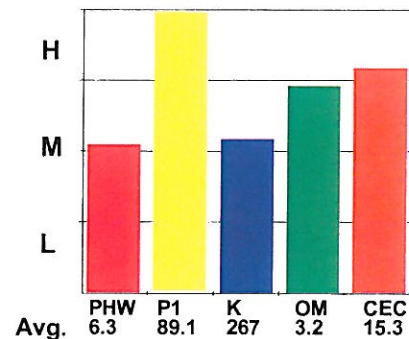


Latitude: 42.3877
Longitude: 88.7228
Grid Size: 440nsX440ew

BREAKDOWN OF FIELD ACRES



FIELD NUTRIENT SUMMARY



Mowers Soil Testing Plus, Inc.

Toulon, IL 61483-0540

(309)286-2761

Customer: Craig Johnson

Field: OJohn_07 (#28790)

Description: O Johnson Farm_O Johnson

Acres: 110.1

of Samples: 30

Potassium Results - Lbs/A

County: Boone

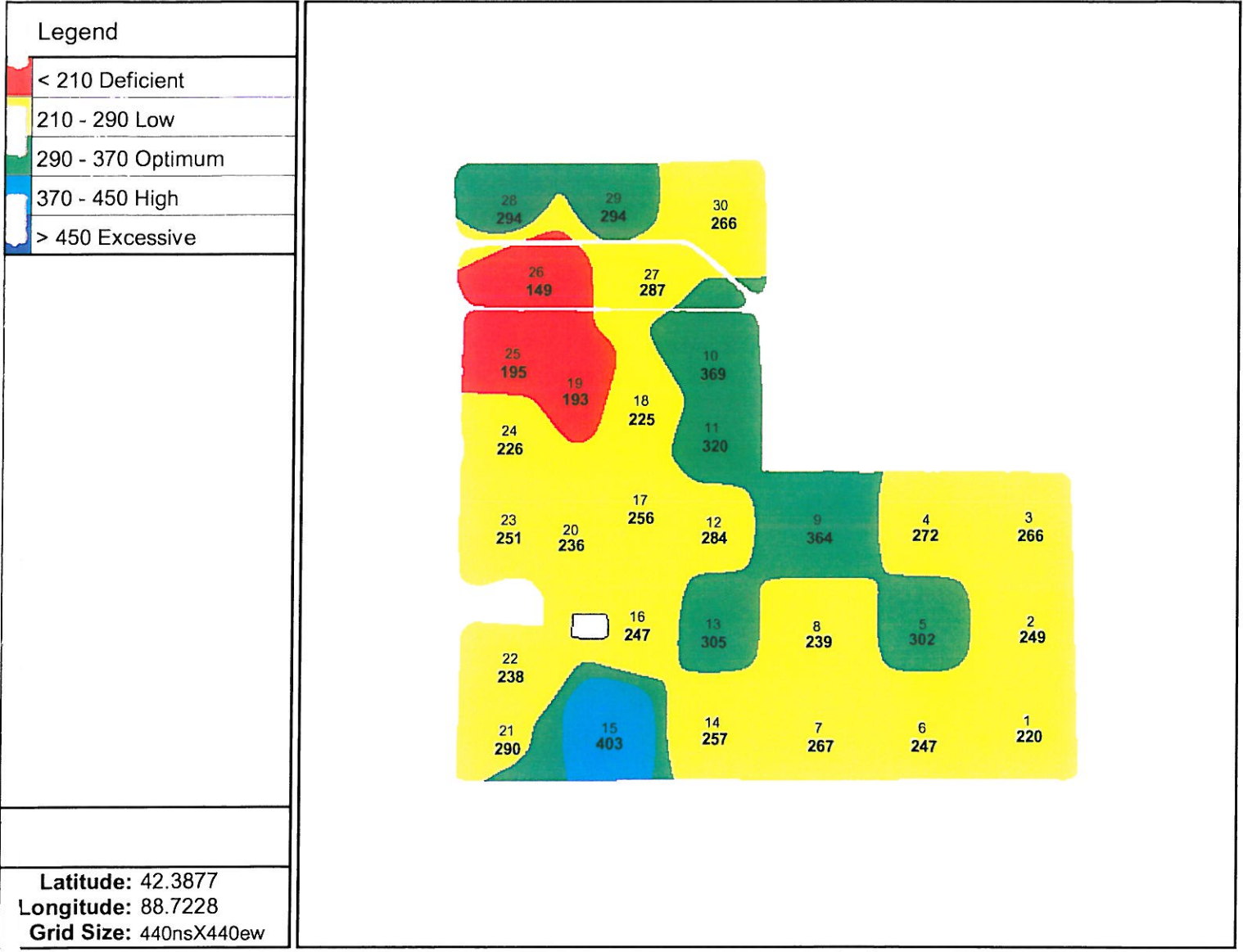
Township: Boone

Range: 4E

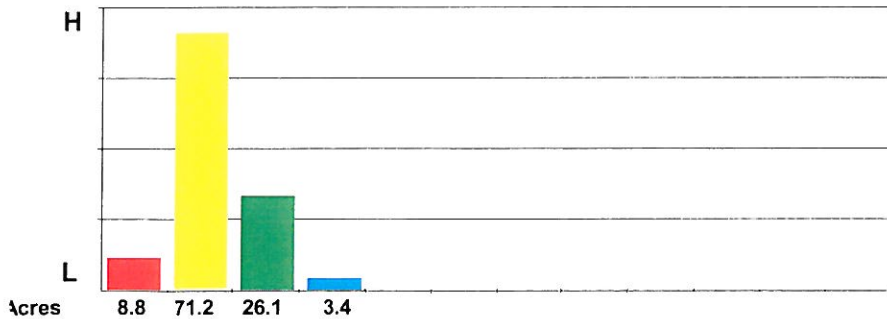
Section: 13

Date Tested: 12/04/2007

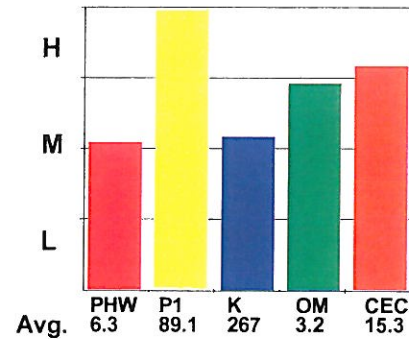
1 inch = 660 feet

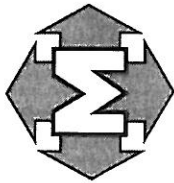


BREAKDOWN OF FIELD ACRES



FIELD NUTRIENT SUMMARY





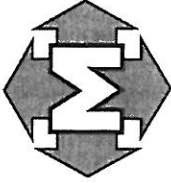
MOWERS
 Soil Testing Plus, Inc.
 117 E. Main St.
 P.O. Box 540
 Toulon, IL 61483-0540
 (309) 286-2761
 (800) 354-8197
 Fax (309) 286-6251

LABORATORY ANALYSIS AND RECOMMENDATION REPORT

Special Report For: Craig Johnson
 Samples Submitted by: Craig Johnson
 K-B Farms Inc
 600 S State St Suite 300
 Belvidere, IL 61008-4322

Order No: 213582
 Client ID: 2584
 Report Date: 11/30/2007
 Farm Name: O Johnson Farm
 Field Name: O Johnson
 Field Acres: 110.1

Sample	Water pH	Buffer pH	Phosphorus	Pounds Per Acre			Percent Organic Matter	Parts per Million							Percent Saturation			meq/100g	
				Potassium	Calcium	Magnesium		Sulfur	Zinc	Manganese	Boron	Iron	Copper	Sodium	dS/m Soluble Salts	Ca	Mg	K	H
1	5.8	6.5	75	220	2190	629	3.2								49.6	23.8	2.6	24.1	11.0
2	6.3	6.9	73	249	2392	785	3.3								53.7	29.4	2.9	14.0	11.1
3	6.5	7.1	83	266	2263	720	3.2								56.7	30.1	3.4	9.8	10.0
4	6.2	6.8	68	272	2521	789	3.0								53.6	27.9	3.0	15.6	11.8
5	5.7	6.4	100	302	1987	559	3.3								47.9	22.4	3.7	25.9	10.4
6	6.1	6.7	69	247	2226	621	3.0								53.7	25.0	3.1	18.2	10.4
7	6.3	6.9	65	267	2208	684	3.1								55.0	28.4	3.4	13.2	10.0
8	5.9	6.6	68	239	1987	572	3.0								51.1	24.5	3.1	21.2	9.7
9	6.1	6.7	92	364	3938	935	3.4								56.6	22.4	2.7	18.4	17.4
10	5.7	6.3	155	369	6606	1533	4.0								51.8	20.0	1.5	26.7	31.9
11	5.7	6.3	110	320	5704	1250	4.1								53.3	19.5	1.5	25.7	26.7
12	6.0	6.5	129	284	5428	1275	4.0								56.9	22.3	1.5	19.3	23.8
13	6.7	7.3	105	305	5170	1435	3.5								62.5	28.9	1.9	6.7	20.7
14	5.9	6.6	110	257	2355	688	3.0								50.9	24.8	2.8	21.5	11.6
15	6.6	7.2	120	403	5005	1387	3.3								60.9	28.1	2.5	8.4	20.5
16	6.4	7.0	108	247	2705	914	2.7								54.6	30.7	2.6	12.1	12.4
17	6.0	6.6	70	256	3091	1032	2.6								50.5	28.1	2.1	19.3	15.3
18	6.8	7.4	61	225	3220	904	3.0								63.4	29.7	2.3	4.7	12.7
19	6.6	7.2	38	193	2742	874	2.7								58.2	30.9	2.1	8.8	11.8
20	6.6	7.3	54	236	2686	1041	2.5								54.9	35.4	2.5	7.2	12.2
21	6.2	6.8	87	290	2723	808	3.0								54.1	26.7	3.0	16.2	12.6
22	6.1	6.8	94	238	2337	815	2.5								49.8	29.0	2.6	18.6	11.7
23	6.8	7.4	63	251	2613	998	2.6								56.5	35.9	2.8	4.8	11.6
24	6.9	7.5	59	226	2190	846	2.5								57.9	37.3	3.1	1.8	9.5
25	6.6	7.3	60	195	2245	825	2.4								54.9	33.6	2.4	9.0	10.2
26	6.4	7.0	57	149	2981	802	3.4								60.3	27.1	1.5	11.1	12.4
27	5.9	6.5	125	287	5814	1379	3.8								55.4	21.9	1.4	21.4	26.3
28	6.1	6.6	105	294	4766	1277	4.0								55.7	24.9	1.8	17.6	21.4
29	6.3	6.8	137	294	5446	1404	4.1								59.5	25.6	1.6	13.3	22.9
30	7.4	7.5	134	266	5318	1298	3.6								69.8	28.4	1.8	0.0	19.0
Field Median	6.3	6.8	84	262	2714	890	3.2								55.0	28.0	2.5	14.8	12.3



MOWERS
 Soil Testing Plus, Inc.
 117 E. Main St.
 P.O. Box 540
 Toulon, IL 61483-0540
 (309) 286-2761
 (800) 354-8197
 Fax (309) 286-6251

LABORATORY ANALYSIS AND RECOMMENDATION REPORT

Special Report For: **Craig Johnson**
 Samples Submitted by: **Craig Johnson**
K-B Farms Inc
600 S State St Suite 300
Belvidere, IL 61008-4322

Order No: 213582
 Client ID: 2584
 Report Date: 11/30/2007
 Farm Name: O Johnson Farm
 Field Name: O Johnson
 Field Acres: 110.1

Sample	Water pH	Buffer pH	Pounds Per Acre			Percent Organic Matter	Parts per Million					Sulfur	Zinc	Manganese	Boron	Iron	Copper	Sodium	dS/m Soluble Salts	Percent Saturation			meq/100g CEC																			
			Phosphorus	Potassium	Calcium		Mag-nesium	Fertilizer Recommendations in pounds per acre	Ca	Mg	K									H																						
Water pH	6.3																																									
Phosphorus																																										
Potassium																																										
Limestone Recommendations																																										
Fertility Level: V Low, Low, Medium, High, V High Intended Crop Yield Goal Build-up Crop Removal IL **TOTAL REQUIRED Credits: **ADJUSTED RECOMMENDATIONS Adjust Nitrogen Recommendations for Previous Crop or other N Sources.																																										

CONVERSIONS: PPM = Lbs./Acre / 2 or Lbs./Acre = PPM x 2
 Previous Crop Corn Grain Previous Yield: 0 Bu/Ac

Optimum Ranges:
 Water pH: 6.3 - 6.8
 Phosphorus: 50.0 - 80.0
 Potassium: 290.0 - 370.0

MOWERS SOIL TESTING PLUS, INC.

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 Prepared for: Craig Johnson

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 Field Name: O Johnson

GENERAL FIELD RECOMMENDATIONS

The General Fertility Recommendations are for a Four Year Program of fertility build-up and include crop removal requirements and credits for prior fertilizer plowed down. Also any credits for manure application or nitrogen carried over from prior legumes need to be subtracted. These Fertility Recommendations must be adjusted if your cropping plans or circumstances change (i.e. if crop residues are removed, different yield goals are desired, different crops are grown, etc.) When soil test levels are above the recommended levels, a credit is given at half crop removal for high levels and full crop removal for very high levels.

Use the worksheet below to keep track of your plans and actual results. Please call the Toulon Office at (309)286-2761 or (800)354-8197 if you have any questions. Any of our staff agronomists will be happy to assist you.

Intended Crop	Corn Grain	Soybean	Corn Grain	Soybean
Yield Goal	150 Bu/Ac	50 Bu/Ac	175 Bu/Ac	60 Bu/Ac
	$N - P_2O_5 - K_2O$	$N - P_2O_5 - K_2O$	$N - P_2O_5 - K_2O$	$N - P_2O_5 - K_2O$
Build up (4 years)	0 - 0 - 29	0 - 0 - 29	0 - 0 - 29	0 - 0 - 29
Crop Removal	180 - 56 - 42	0 - 42 - 65	210 - 65 - 49	0 - 50 - 78
TOTAL REQUIRED	180 - 56 - 71	0 - 42 - 94	210 - 65 - 78	0 - 50 - 107
Credits: High Fertility	0 - 28 - 0	0 - 21 - 0	0 - 33 - 0	0 - 25 - 0
ADJUSTED RECOMMENDATION	180 - 28 - 71	0 - 21 - 94	210 - 32 - 78	0 - 25 - 107
Limestone Requirements: 0.8 Tons/Acre				

N recommendations are based on yield. To calculate the best economic N rate based on corn and N prices, go to this website: extension.agron.iastate.edu/soilfertility/nrate.aspx

All Fertility Recommendations are expressed as pounds (units) of actual nutrients per acre. Remember to give credits for the fertility value in manure, nitrogen in dry fertilizer and previous crops, and weed control carriers.

RECORDS OF ACTUAL FERTILITY APPLIED

Year	Actual Crop	Actual Yield	Lime Tons/Ac	Nitrogen Lbs/Acre	Phosphorus Lbs/Acre	Potassium Lbs/Acre

MOWERS SOIL TESTING PLUS, INC.

Client ID: 2584
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 FarmName: O Johnson Farm
 FieldName: O Johnson

BUILD-UP FERTILITY RECOMMENDATIONS TABLE

Below are the actual Phosphorus units (Lbs P₂O₅/Acre) and the actual Potassium (Lbs K₂O/Acre) recommended for fertility build-up for each individual sample site. The amount shown should be applied each year for the next four years if you wish to spot fertilize the field on the basis of actual test results. A zero indicates no build-up fertility is needed because the soil test readings are at or above the recommended levels. The lime recommendation is the total limestone requirement over the four year program and may be applied in one or more applications.

Sample Number	Lime Tons/Acre	Phosphorus <i>Lbs(P₂O₅)/ Ac</i>	Potassium <i>Lbs(K₂O)/ Ac</i>	Notes
1	2.5	0	70	
2	0.6	0	41	
3	0.0	0	24	
4	0.9	0	18	
5	2.9	0	0	
6	1.4	0	43	
7	0.5	0	23	
8	2.0	0	51	
9	1.7	0	0	
10	4.6	0	0	
11	4.2	0	30	
12	1.9	0	36	
13	0.0	0	15	
14	2.1	0	33	
15	0.0	0	0	
16	0.3	0	43	
17	1.6	0	34	
18	0.0	0	65	
19	0.0	28	97	
20	0.0	0	54	
21	1.0	0	0	
22	1.5	0	52	
23	0.0	0	39	
24	0.0	0	64	
25	0.0	0	95	
26	0.1	0	141	
27	2.8	0	63	
28	1.5	0	26	
29	0.2	0	26	
30	0.0	0	54	

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Sample Number	Lime Tons/Acre	Phosphorus <i>Lbs(P₂O₅)/ Ac</i>	Potassium <i>Lbs(K₂O)/ Ac</i>	Notes
Median	0.8	0	29	

MOWERS SOIL TESTING PLUS, INC.

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YOUR FERTILITY RECOMMENDATIONS OPTIONS

Adjust the limestone recommendations for your tillage practices.

Build-up phosphorus and potassium can be applied each year for four years or the total amount needed for build-up can be applied at one time (4 times the amount shown in the Build-up Fertility Recommendation Table for one year).

The Fertilizer Recommendations are based on yearly applications. If you fertilize for more than one crop at a time, simply add the Fertilizer Recommendations together for the years of these crops.

RETEST IN FOUR YEARS

Agronomist: _____

Sue Dorsey