Tracts 20, 23, 24 & 25

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

Customer: Craig Johnson Farm Name: Dague Description Dague Farm

City: Belvidere State: IL Zip: 61008



Mowers Soil Testing Plus, Inc.

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

Customer: Craig Johnson Field: Dag2_08 (#30195)

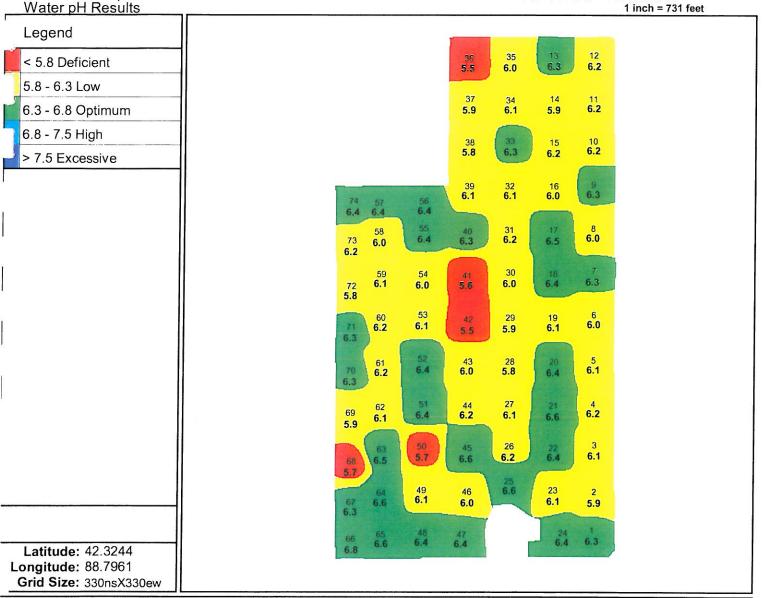
Description: Dague Farm_Field 2

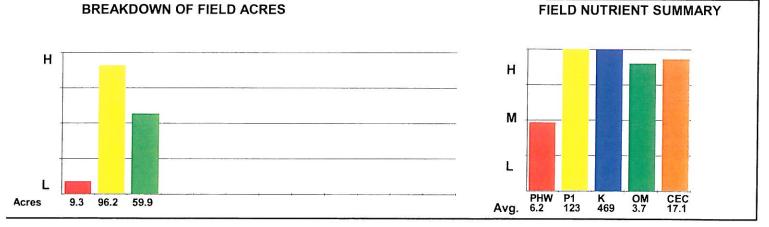
Acres: 166.6

of Samples: 74

County: Boone
Township: Bonus
Range: 4E
Section: 4 5 7 8

Section: 4, 5, 7, 8 Date Tested: 07/22/2008





Mowers Soil Testing Plus, Inc. Toulon, IL 61483-0540

(309)286-2761

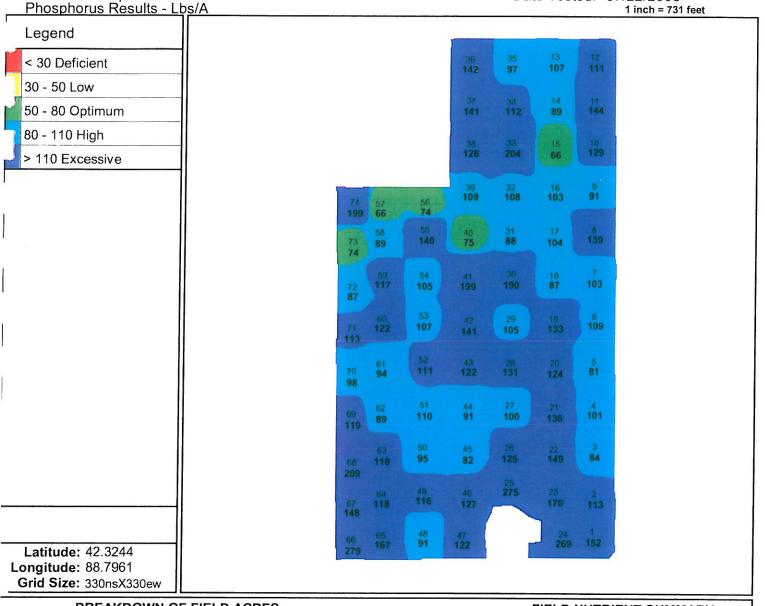
Customer: Craig Johnson Field: Dag2_08 (#30195) Description: Dague Farm_Field 2

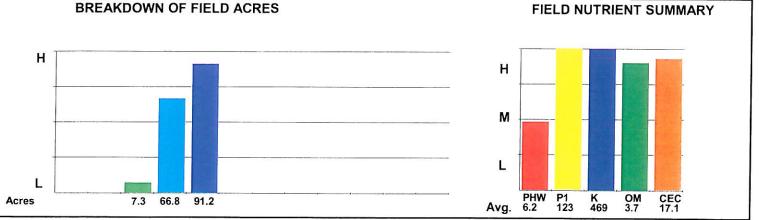
Acres: 166.6

of Samples: 74

County: Boone Township: Bonus Range: 4E Section: 4, 5, 7, 8

Date Tested: 07/22/2008





Mowers Soil Testing Plus, Inc.

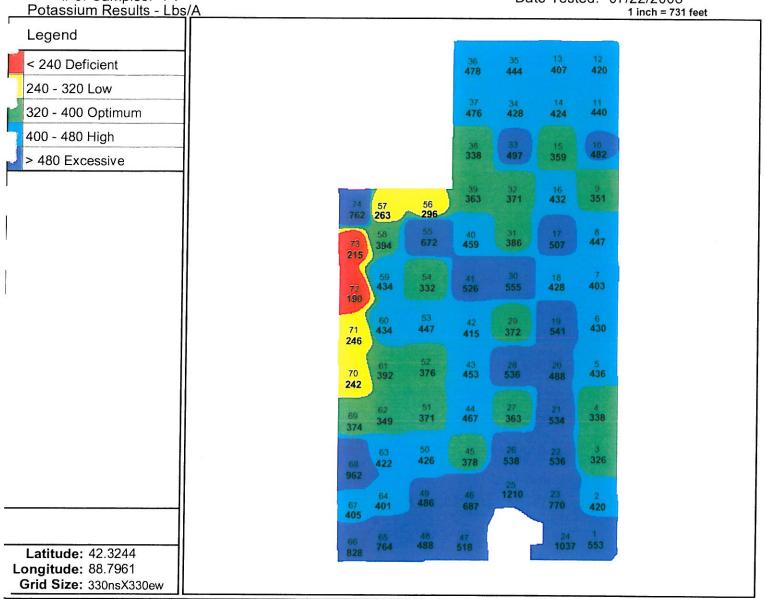
Toulon, IL 61483-0540 (309)286-2761

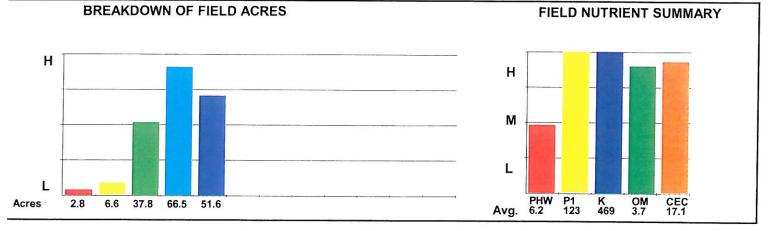


Acres: 166.6

of Samples: 74

County: Boone
Township: Bonus
Range: 4E
Section: 4, 5, 7, 8
Date Tested: 07/22/2008





MUWERS

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

600 S State St Suite 300 Belvidere, IL 61008-4322

Order No: 220977

Client ID: 2584 Report Date: 7/1/2008

Farm Name: Dague

Field Name: 2 Field Acres: 166.6

				Pounds Per Acre	er Acre		Percent			å	Darte nor Million	i coil			1		;				
	;		Phos-			Mag-	Organic				in in	5			Nitrofoe		LDS/AC	Perce	Percent Saturation	tion	meq/100g
Sample	Water pH	Buffer pH	phorus	Potassium	Calcium		Matter	Sulfur	Zinc	Manganese	Boron	lron	Copper	er Sodium	Sub Su	=	P2 C	Ca	×	Ξ	CEC
- (152	553	3717	904	3.6							-	i -	1	-	7	23.4 4	4.4 14.5	-
7	5.9		113	420	3275	777	3.5														
ო .	6.1	9.9	84	326	3091	629	3.7						-				ט נט				
4	6.2	6.7	101	338	3570	840	4.0														
2	6.1	9.9	81	436	4122	933	3.8	and the second	-							1) ינ	-37		Ĺ	
9	0.9	9.9	109	430	3882	965	3.7					-				-	, v				
7	6.3	6.9	103	403	3864	1003	3.5			<u> </u>										3000 300	
8	0.9	6.5	139	447	3919	960	4.0													0.1 14.0	
6	6.3	6.9	91	351	3698	895	3.5					-					ם ע	100			
10	6.2	6.7	129	482	4232	1045	3.7										. u				
7	6.2	6.8	144	440	4195	1056	3.5										יי כ				4.0
12	6.2	6.7	111	420	4011	984	3.6											7. 673		30	18.3
13	6.3	6.8	107	407	3882	965	3.7					-					חו				
4	5.9	9.9	88	424	3717	942	3.5									-					
15	6.2	6,8	99	359	3496	801											ດ				
16	6.0	6.5	103	432	3956	2001	t d										Ω				
17	5.55	0.7	2 2	704	0000	0201	0.0										3	53.8 23	23.5 3.0	0 19.7	18.4
. ¢	9 6	5 6	5 6	/00	104	8001	3.7										Ω	59.2	26.1 3.8	8 10.9	16.9
5 6	† T	0.0	ò	428	4030	1068	3.5										5	58.5 25	25.9 3.2	2 12.4	17.2
n c	. o	9 1	133	541	4158	1043	3.6										Ŋ	55.9 23	23.4 3.7		18.6
23	4.0	0.7	124	488	4122	1056	3.5										Ϋ́	58.5 25			17.6
17	0.0	1.7	136	534	4232	1062	3.6										9	61.7 25	25.8 4.0	0 8.5	17.1
3 8	6.4	6.9	149	536	4766	1169	3.7										0			_	19.7
23	6.	9.9	170	770	4434	1113	3.6							27/17			Ω.				20.2
24	6.4	7.0	269	1037	4306	966	3.5										ũ	58.1 22		9.5	18.5
ç2 72	9.9	7.1	275	1210	4692	1028	3.8										9				19.0
5 26	6.2	6.8	125	538	3735	893	3.5										Ω			-	16.5
/7	6.1	9.9	9	363	3754	813	3.6										Ñ				16.0
87 8	5.8	6.4	131	536	4140	836	3.8										ò	53.7 18	18.1 3.6		19.3
67	9.6	9.9	105	372	4122	980	3.5										ίù	54.6 21	21.7 2.5	5 21.2	18.9
9	0.9	6.5	190	222	3754	853	4.2										ŭ				16.9
31	6.2	6.8	88	386	3974	866	3.5						0.00				O.				17.4
32	6.1	9.9	108	371	3827	931	3.6										- 10				17.0
33	6.3	6.8	204	497	3606	844	4.0										22				15.3
34	6.1	6.7	112	428	3956	1055	3.3										, rç				18.2
35	0.9	6.7	97	444	3864	966	3.5										2				
36	5.5	6.3	142	478	3551	770	3.6					***					4				
																	-	1		_	

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: 220977 Client ID: 2584

Report Date: 7/1/2008

Farm Name: Dague Field Name: 2

Field Acres: 166.6

The second secon				Pounds Per Acre	er Acre		Percent			Part	Parts per Million				[he/Acro	he/An		Co.	in the second		9
Sample	Water pH	Buffer pH	Phos- phorus	Potassium	Calcium	Mag-	Organic	Culfur	Zino	, in the second					0 10			reicent Saturation	. 1	Ē	500
37	5.9	9.9	141	476	3606	1	3.5	online	71110	wanganese	Boron	<u></u>	Copper	Sodium	Sub Surf	-	1	Mg		3	
38	5.8	6.4	128	338	3349	770	9 0										53.5	21.2			16.9
39	6.1	6.7	109	363	3312	895	. w										52.6	20.4			15.9
40	6.3	6.8	75	459	3919	1037	38										54.0	24.3	- 1		15.3
4	5.6	6.2	199	526	3294	657	9 4										5/.5	25.4			17.0
42	5.5	6.1	141	415	3570	821	, c										51.6	17.2			16.0
43	0.9	6.7	122	453	4048	982	3.5										49.1	18.8	20020 000		18.2
44	6.2	6.7	91	467	3790	1022	36										54.7	1.77			18.5
45	9.9	7.2	82	378	3441	842	, v										55.6	25.0	**		17.0
46	6.0	6.7	127	687	3956	895) K										63.3	25.8			13.6
47	6.4	7.0	122	518	3919	1036	י ער הי אי										54.2	20.4			18.2
48	6.4	6.9	91	488	3790	935	3.0										57.7	25.4			17.0
49	6.1	6.7	116	486	3864	840											59.1	24.3			16.0
90	5.7	6.3	95	426	3349	714	9 6										57.6	20.9			16.8
51	6.4	7.0	110	371	3606	823	י מ										52.0	18.5			16.1
52	6.4	6.9	111	376	4103	986	, w									-	61.6	23.4			14.6
53	6.1	6.7	107	447	3790	884	י א										9.09	24.3			16.9
54	6.0	6.5	105	332	3551	863) (d									-	56.6	22.0			16.8
55	6.4	2.0	140	672	3185	200	0.0										55.2	22.4			16.1
56	49	0	77	300	2000	177	0,0										58.5	22.3	6.4	12.9	13.5
57	6.4	7.0	† ¥	263	3010	00.7	ى 0. د										60.4	26.1			17.7
28	90		3 8	202	2444	1034	0 0										58.7	27.3			16.7
29	6	9 6	117	734	3846	107	0.4	-X-			-				- 10 - 3 c		56.2	20.4			15.3
09	62	6.7	122	100	0400	900	4 0										56.2	22.0			17.1
61	6.2	. 6	24	307	3002	9 0	λ, c Σ										57.2	23.8			16.0
62	6.1	6.7	0	340	ממאר	340	0.0										57.4	24.3			16.2
63	6.5	7.0	118	422	4105	0,00	0. 5										56.5	23.0			15.9
64	9.9	7.1	118	401	4434	2 2 2	1 4								+	-	6.09	25.3			17.2
65	9.9	7.1	167	764	7 12	100	r v										62.3	26.7			17.8
99	6.8	7.3	279	828	4342	000) 5										8.09	25.0			17.1
29	6.3	9	148	405	3882	970	† u										65.1	24.9			16.7
89	5.7	6.3	209	362	4122	777	D. A. A.									-	58.4	23.7			16.6
69	5.9	6.5	119	37.4	3700	. 0											5.TC	16.2			20.0
2	6.3	0 0	2 8	242	7324	7 007	0. C						(2.4)				54.6	21.3			17.4
71	6.3	8	113	246	3800	5 5	0 0										29.0	25.3			18.3
72	2.8	. 6	2 2	100	2754	3 8	0 0									42.00	59.1	25.9	2.0 1		16.1
_) i	5	2	40.70	CCS	0.0					-					53.0	22.0	1.4	23.6	17.7

MUWERS

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

Belvidere, IL 61008-4322 600 S State St Suite 300

Order No: 220977

Client ID: 2584

Report Date: 7/1/2008 Farm Name: Dague

Field Name: 2

Field Acres: 166.6

16.6

meq/100g CEC

17.0 20.1

Sample Maler pH Buffler pH Buffler pH Phoss - Phossium Results					Pounds Per Acre	er Acre		Percent			Parts	Parts per Million				I he/Ac	Mad I		10000	The state of	
1772 1709 3.4 1.0 3.4 1.0 3.4 1.0 3.4 1.0 3.4 1.0 3.4 1.0 3.4 1.0 3.4 1.0 3.4 1.0 3.4 1.0 3.5 3.2 3.	Sample	Water pH	Buffer pH	Phos-	Potassium	Calcium	Mag-	Organic	Culling	7.00						Nitrate	s Bray		S C C C C C C C C C C C C C C C C C C C	Intallon	
1109 3.4 1110 4.6 56.7 25.3 1.7 584 1110 4.6 56.7 25.3 1.7 584 1110 4.6 59.6 23.0 4.9 59.6 23.0	73	6.3			747	Caro	TOO!	Malle	niine	7IIIC	Manganese		5		Sodium		-		Mg	¥	I
110 4.6 9.6 3.6 9.6 3.6 9.6 3.6 9.6	2 1	0.5				3112	1009	3.4										56.7	25.3	17	16.4
Sed 946 3.6	74	6.4				4784	1110	4.6				lon (851	50 8			
Intended Crop Fertilizer Recommendations are in Pounds per A Yield Goal N - P ₂ O ₅ - K ₂ O N - P ₂ O ₅ - K ₂ O Standard N - P ₂ O ₅ - K ₂ O	Field Median	6.2				3864	946	3.6									1	57.3		1	16.4
Fertilizer Recommendations are in Pounds per A Intended Crop Yield Goal N - P ₂ O ₅ - K ₂ O N - P ₂ O ₅																					1
N High Intended Crop Yield Goal N - P ₂ O ₅ - K ₂ O Build-up Crop Removal: IL ***TOTAL REQUIRED Credits: **ADJUSTED RECOMMENDATIONS Adjust Nitrogen Recommendations for Previous Crop or other N Sources.		Field			ertility Level						щ	ertilizer	Recomm	endation	is are in	Pounds	ner Acr	a a			
Intended Crop Yield Goal N - P ₂ O ₅ - K ₂ O N - P ₂ O ₅ - K ₂ O N - P ₂ O ₅ - K ₂ O Crop Removal: IL **TOTAL REQUIRED Credits: **AbJUSTED RECOMMENDATIONS Adjust Nitrogen Recommendations for Previous Crop or other N Sources.			-1)			
Thended Crop Yield Goal $N = P_2O_5 - K_2O$ Build-up Crop Removal: IL **TOTAL REQUIRED Credits: **AbJuSTED RECOMMENDATIONS Adjust Nitrogen Recommendations for Previous Crop or other N Sources.	Water p	I	6.2	CONTRACTOR OF THE PERSON		1						-	17 CH 18 CH 19 CH			-					
Yield Goal N - P ₂ O ₅ - K ₂ O Build-up Crop Removal: IL **TOTAL REQUIRED Credits: **ADJUSTED RECOMMENDATIONS Adjust Nitrogen Recommendations for Previous Crop or other N Sources.	Phosphor	us	112					Inten	ded Crop	_											
Build-up Crop Removal: IL **TOTAL REQUIRED Credits: **AbJustED RECOMMENDATIONS Adjust Nitrogen Recommendations for Previous Crop or other N Sources.	Potassiu	E	432					>	ield Goa	_											
Crop Removal: IL **TOTAL REQUIRED **ADJUSTED RECOMMENDATIONS Adjust Nitrogen Recommendations for Previous Crop or other N Sources.	Calciun		3864		-					_	2		(4	:	;		j	200	-	
Crop Removal: 1 **TOTAL REQUIREC Credits: **ADJUSTED RECOMMENDATIONS	Magnesiu	ш	946						1		1205 - N 2		- r20s -	N 20	N 1 2	0° 1 K	-	$-P_2O$	$S - K_2C$		
Crop Removal: 1 **TOTAL REQUIREC Credits: **ADJUSTED RECOMMENDATIONS	Organic Ma	atter	3.6	The second second			1		Build-up	_											
**TOTAL REQUIREC Credits: **ADJUSTED RECOMMENDATIONS							ວັ	op Remo	val: IL												
Credits: **ADJUSTED RECOMMENDATIONS							.0L**	ral Reg	UIRED			_									
**ADJUSTED RECOMMENDATIONS							Credits														
RECOMMENDATIONS			and the second				*	*ADJUSTE	Q	-										T	
	Limestone	Recommend	dations				REC	OMMENDA	SNOIL												
1	CONVERS	IONS: PPA	M = Lbs/Acre	1/2 or Lbs.	/Acre = PP/	d×2			Ac	ijust Nitr	ogen Recomi	mendation	is for Pre	vious Cro	p or othe	N Sour	Ses				
	Dravious C	Corn Corn	dior.			0												And the same of th		7	

A minimum N fertilizer application of 30 lbs/acre may be appropriate for early growth. If P > 40 or K > 260, then only a starter fertilizer is recommended.

Optimum Ranges: Water pH: 6.3 - 6.8 Phosphorus: 50.0 - 80.0 Potassium: 320.0 - 400.0

Client ID: 2584

Prepared for: Craig Johnson

Order ID: 220977 Farm Name: Dague

Field Name: 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	Sc	ybea	1	Cor	n Grai	n	Sc	ybear	1	Cor	n Grai	n
Yield Goal	50	Bu/A	С	150	Bu/A	С	60	Bu/A	С	175	Bu/A	С
	$N-P_2$	O ₅ -	K_2O	$N-P_2$	$O_5 - I$	K ₂ O	$N-P_2$	0, -1	K_2O	$N-P_2$	0, -	K_2O
Build up (4 years)	0 -	0 -	0	0 -	0 -	0	0 -	0 -	0		0 -	
Crop Removal	0 -	42 -	65	180 -	56 -	42	0 -	50 -	78	210 -	65 -	49
TOTAL REQUIRED	0 -	42 -	65	180 -	56 -	42	0 -	50 -	78	210 -	65 -	49
Credits: High Fertility	0 -	42 -	33	0 -	56 -	21	0 -	50 -	39	0 -	65 -	25
ADJUSTED RECOMMENDATION	0 -	0 -	32	180 -	0 -	21	0 -	0 -	39	210 -	0 -	24
imestone Requirements: 1.12 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.

	RE	CORDS OF	ACTUAL FER	TILITY APP	LIED	
Year	Actual Crop	Actual Yield	Lime Tons/Ac	Nitrogen Lbs/Acre	Phosphorus Lbs/Acre	Potassium Lbs/Acre
		-		(_	

	-				-	-
			No. 16th April 1889 Security Control of the Control		- 8	Section 10.

Client ID: 2584 OrderID: 220977
Prepared for: Craig Johnson FarmName: Dague

FieldName: 2

BUILD-UP FERTILITY RECOMMENDATIONS TABLE

Sample	Lime	Phosphorus	Potassium	Notes
Number	Tons/Acre	$Lbs(P_2O_5)/Ac$	$Lbs(K_2O)/Ac$	
1	0.6	0	0	
2	2.3	0	0	
3	1.3	0	0	
4	1.1	0	0	
5	1.6	0	0	
6	2.2	0	0	
7	0.4	0	0	
8	1.9	0	0	
9	0.5	0	0	
10	0.9	0	0	
11	0.8	0	0	
12	1.1	0	0	
13	0.5	0	0	
14	3.0	0	0	
15	1.1	0	0	
16	2.0	0	0	
17	0.0	0	0	
18	0.0	0	0	
19	1.3	0	0	
20	0.1	0	0	
21	0.0	0	0	
22	0.0	0	0	
23	1.3	0	0	
24	0.0	0	0	
25	0.0	0	0	
26	1.1	0	0	
27	1.4	0	0	
28	3.5	0	0	
29	2.5	0	0	
30	2.0	0	0	2
31	1.0	0	0	
32	1.6	0	0	
33	0.6	0	0	
34	1.7	0	0	
35	2.3	0	0	

Client ID: 2584 OrderID: 220977
Prepared for: Craig Johnson FarmName: Dague

FieldName: 2

BUILD-UP FERTILITY RECOMMENDATIONS TABLE

Sample	Lime	Phosphorus	Potassium	Notes
Number	Tons/Acre	Lbs(P2O5)/Ac	Lbs(K2O)/Ac	
36	5.0	0	0	
37	2.6	0	0	
38	2.6	0	0	
39	1.5	0	0	
40	0.3	0	0	
41	3.1	0	0	
42	4.7	0	0	
43	2.2	0	0	
44	1.0	0	0	
45	0.0	0	0	
46	2.3	0	0	
47	0.1	0	0	
48	0.1	0	0	
49	1.5	0	0	
50	3.9	0	0	
51	0.2	0	0	
52	0.0	0	0	
53	1.6	0	0	
54	2.1	0	0	
55	0.4	0	0	
56	0.0	0	24	
57	0.0	0	57	
58	1.8	0	0	
59	1.8	0	0	
60	0.9	0	0	
61	0.8	0	0	
62	1.3	0	0	
63	0.0	0	0	
64	0.0	0	0	
65	0.0	0	0	
66	0.0	0	0	
67	0.7	0	0	
68	3.9	0	0	
69	2.5	0	0	
70	0.4	0	78	

Client ID: 2584 OrderID: 220977
Prepared for: Craig Johnson FarmName: Dague

FieldName: 2

BUILD-UP FERTILITY RECOMMENDATIONS TABLE

Sample Number	Lime Tons/Acre	Phosphorus Lbs(P2O5)/Ac	Potassium Lbs(K2O) / Ac	Notes
71	0.2	0	74	
72	3.1	0	130	
73	1.1	0	105	
74	0.0	0	0	AN MARKET AND AN ARCHITECTURE AND ARCHIT
Median	1.1	0	0	

Client ID: 2584 Order ID: 220977
Prepared for: Craig Johnson Farm Name: Dague

Field Name: 2

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:	Suc	Dorsey	

Mowers Soil Testing Plus, Inc. Toulon, IL 61483-0540

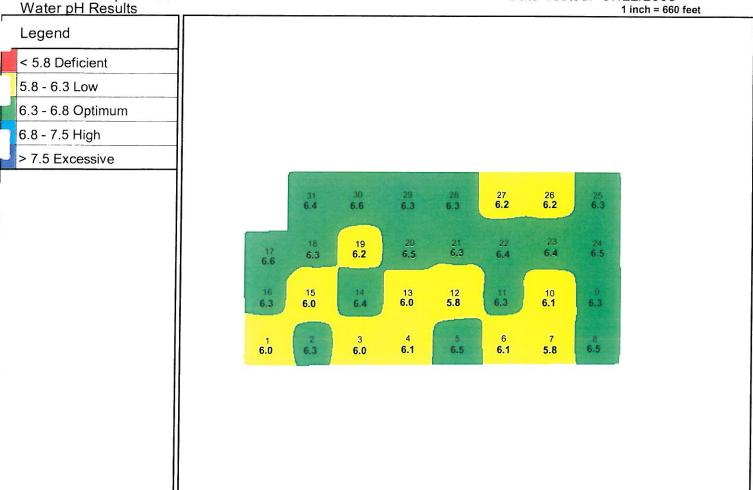
(309)286-2761

Customer: Craig Johnson Field: Dag6_08 (#30196) Description: Dague Farm_Field 6 Acres: 75.2

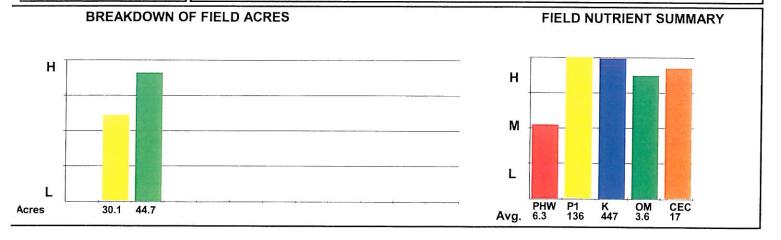
of Samples: 31

County: Boone Township: Bonus Range: 4E Section: 4, 5, 7, 8

Date Tested: 07/22/2008



Latitude: 42.3269 Longitude: 88.7853 Grid Size: 330nsX330ew



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

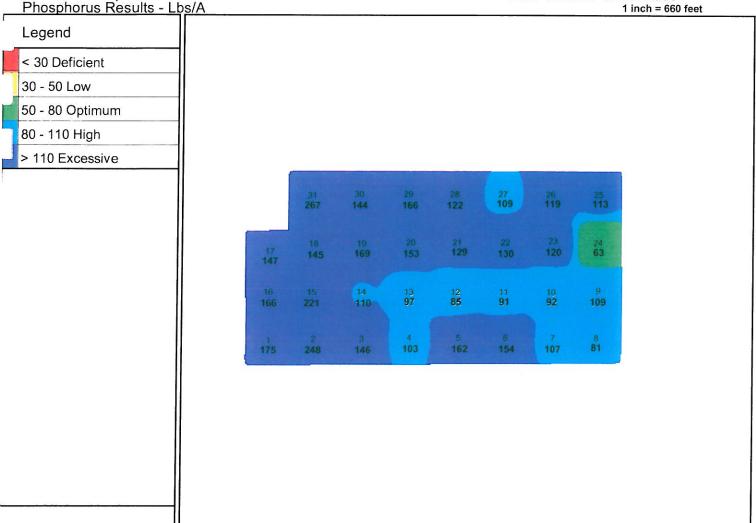
Customer: Craig Johnson Field: Dag6_08 (#30196)

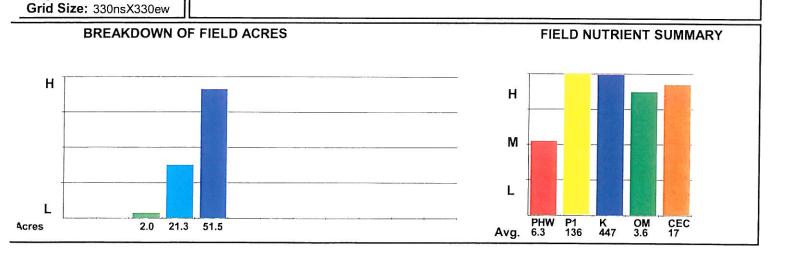
Description: Dague Farm_Field 6
Acres: 75.2

Acres: 75.2 # of Samples: 31

Latitude: 42.3269 Longitude: 88.7853 County: Boone
Township: Bonus
Range: 4E
Section: 4, 5, 7, 8

Section: 4, 5, 7, 8 Date Tested: 07/22/2008





Mowers Soil Testing Plus, Inc.

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

Customer: Craig Johnson Field: Dag6_08 (#30196) Description: Dague Farm_Field 6
Acres: 75.2

of Samples: 31

400 - 480 High > 480 Excessive

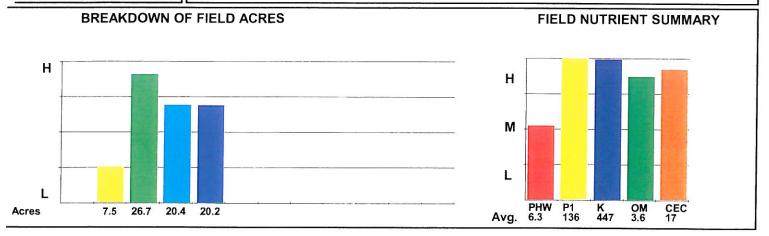
County: Boone Township: Bonus Range: 4E

Section: 4, 5, 7, 8 Date Tested: 07/22/2008





Latitude: 42.3269 Longitude: 88.7853 Grid Size: 330nsX330ew



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: 220977 Client ID: 2584

Report Date: 7/1/2008

Farm Name: Dague Field Name: 6

5
/
Acres:
<u>p</u>
E E

Sample 2 3 3 4 4				Founds Per Acre	r Acre	-	Percent			Parts	Parts per Million				L bs/Acre	P I he/An		Percent Saturation	roiter	mon/100a	5
- 2 E 4	Mr refe/M	Duffor	-	_		7.00 100	Organic								Nitrates			ממח	910	nied in	5
- 7 K 4	vade pri	nd laling	-1		Calcium		Matter	Sulfur	Zinc	Manganese	Boron	lron	Copper	Sodium	Sub	Surf P2	ő		×	CEC	
N ω 4	0.0	6.5	175	543	4490	1026	4.5								+	1	-	212			20.1
ю 4	6.3	6.7	248	845	4158	912	4.6										70 0				17.7
4	0.9	9.9	146	374	4030	971	3.6										540				, a
	6.1	6.7	103	294	3717	963	3.5										76.2				. ע ני ע
2	6.5	7.0	162	739	4122	1056	3.6									-	58.7				77.0
9	6.1	9.9	154	468	4048	1072	3.8										2 2				1 O
7	5.8	6.5	107	372	3570	944	3.4	781									7 7				0.0
8	6.5	7.1	81	246	3294	863	3.3										7 7		٧		4. 4
6	6.3	6.9	109	315	4066	1066	3.5										4. 0	ļ			4.51
9	6.1	6.7	92	376	3643	982	3.4										20.5				17.4
7	6.3	6.9	91	348	3588	931	, K									-	9. t				16.6
12	5.8	6.5	85	380	3422	908	3.4										57.5				15.6
13	6.0	6.7	26	369	3349	884	י מ				1						50.4	1			17.0
14	6.4	6.9	110	311	3846	720) 0										53.0	8 800 0			15.8
12	9	, c	22.6	- d	4204	000	0. 0										60.7		2.5 11.1		15.8
, 4	9 6	9 0	- 0	9 6	1074	080	5. D								<u> </u>		54.0	23.1	3.8 19.2		19.8
2 [0.0	0.0	90	488	4434	1079	3.7										58.6	23.8	3.3 14.3		18.9
7 .	9.0	7.7	147	367	3938	1013	3.6										62.2	26.7	3.0 8.1		15.8
18	6.3	6.9	145	401	4103	1001	3.5				-					***	22		•		17.7
19	6.2	6.7	169	407	3919	963	3.6							7050			20.0				t (
20	6.5	7.0	153	422	4030	1013	3.7									-	20.3				, o
21	6.3	6.9	129	480	4140	1036	3.5										7.00				1 0
22	6.4	6.9	130	440	3864	994	3.6										0.00				1.71
23	6.4	7.0	120	482	3901	966	3.			1-1							7.00	7.67	0.4 12.7		4.0.
24	6.5	7.1	63	355	3754	1170	2.8										33.0		3.7 12.2		0.01
25	6.3	6.9	113	467	3514	918	3.5									-	7.10		- 1		1.0.4
56	6.2	6.7	119	388	3183	800	3.6										ָרָ אָלָ הַ אָלָ				
27	6.2	6.8	109	328	3551	1015	3.4										2 2				- 0
28	6.3	6.9	122	338	4048	1079	3.5									<u> </u>	2 7		8 85		10.7
59	6.3	6.8	166	492	4048	1043	3.6								+		57.3				0 1
30	9.9	7.1	144	549	3901	1028	3.7										5 6				7.7.
31	6.4	6.9	267	916	4618	1037	. 65		251					7.00			5.00 5.00 5.00			o-168405	16.2
Field	6.3	6.9	130	402	3020	1002	0								1	+	200.2				3.2
Median			3		2700	700	0.0										57.5	24.6	3.0 14.3		17.0

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

Belvidere, IL 61008-4322 600 S State St Suite 300 K-B Farms Inc

Order No: 220977 Client ID: 2584

Report Date: 7/1/2008 Farm Name: Dague

Field Name: 6

Field Acres: 75.2

			Pounds	Pounds Per Acre	ø.	Percent			Parts	Parts per Million				I holden	1 holls	0	1	1007
		Phos-			Mag-	Organic						-		Nitrator	חבונים	reicent Saturation	nuration	med/100g
Sample Water pH	Buffer pH	phorus	Potassium Calcium	Calc	_	Matter	Sulfur	Zinc	Manganese	Boron	ron	Copper Sodium	Sodium	Sub Surf P2		Ca Mg	×	CEC
		4	Fertility Level	ā					L	- T			-					
Field N	Field Median	VI our I our		100	7.11				Ĺ	erilizer h	recomn	endation	is are in	refullzer Recommendations are in Pounds per Acre	er Acre			
Material		LOW LOW	ואובחוחווו	I SIL	v rign													
water pH	6.3					100	0							-			-	
Phosphorus	130	St.				Inten	nded Crop											
Potassium	402					20	Yield Goal											
Calcium	3920							7	, ,		(:	_	,	-	
Magnesium	1002								$V = r_2 U_5 = \Lambda_2 U$	_	- r,0.	$N - r_2O_5 - K_2O_7$	$N - P_2$	$N - P_2O_5 - K_2O$	_	$N - P_2O_5 - K_2O$	_	
Organic Matter	3.6						Build-up			2, 2, 5								
						Crop Removal: IL	oval: IL											
						**TOTAL REQUIRED	UIRED								-			
					Credits:	lits:												
						**AD IIISTED	6	-			1				-			
Limestone Recommendations	ations				RE	RECOMMENDATIONS	ATIONS											
CONVERSIONS: PPM = Lbs/Acre / 2 or Lbs/Acre = PPM x 2	= Lbs/Acre	€/2 or Lbs	/Acre = Pl	PM x 2			Adji	ust Nitro	Adjust Nitrogen Recommendations for Previous Crop or other N Sources.	nendation	s for Pre	vious Cro	p or other	N Sources	١.		1	
Previous Crop None Specified	pecified		Previou	Previous Yield: 0	0 :1												7	
Optimum Ranges:																		

Water pH: 6.3 - 6.8 Phosphorus: 50.0 - 80.0 Potassium: 320.0 - 400.0

A minimum N fertilizer application of 30 lbs/acre may be appropriate for early growth. If P > 40 or K > 260, then only a starter fertilizer is recommended.

Client ID: 2584

Prepared for: Craig Johnson

Order ID: 220977

Farm Name: Dague

Field Name: 6

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- 0	0- 0- 0	0- 0- 0	0- 0- 0
Crop Removal	180 - 56 - 42	0 - 42 - 65	210 - 65 - 49	0 - 50 - 78
TOTAL REQUIRED	180 - 56 - 42	0 - 42 - 65	210 - 65 - 49	0 - 50 - 78
Credits: High Fertility	0 - 56 - 21	0 - 42 - 33	0 - 65 - 25	0 - 50 - 39
ADJUSTED RECOMMENDATION	180 - 0 - 21	0 - 0 - 32	210 - 0 - 24	0- 0- 39
Limestone Requirements: 0.51 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.

	RE	CORDS OF	ACTUAL FER	TILITY APP	LIED	
Year	Actual Crop	Actual Yield	Lime Tons/Ac	Nitrogen Lbs/Acre	Phosphorus Lbs/Acre	Potassium Lbs/Acre
						-
						-5 8
		-		AND THE RESERVE OF THE PERSON	-	

Client ID: 2584 OrderID: 220977
Prepared for: Craig Johnson FarmName: Dague

FieldName: 6

BUILD-UP FERTILITY RECOMMENDATIONS TABLE

Sample	Lime	Phosphorus	Potassium	Notes
Number	Tons/Acre	$Lbs(P_2O_5)/Ac$	$Lbs(K_2O)/Ac$	
1	2.0	0	0	
2	0.2	0	0	
3	2.3	0	0	
4	1.4	0	26	
5	0.0	0	0	
6	1.8	0	0	
7	3.1	0	0	
8	0.0	0	44	
9	0.4	0	5	
10	1.4	0	0	
11	0.8	0	0	
12	3.4	0	0	
13	1.9	0	0	
14	0.1	0	0	
15	1.9	0	0	
16	0.5	0	0	
17	0.0	0	0	
18	0.5	0	0	
19	1.2	0	0	
20	0.0	0	0	
21	0.3	0	0	
22	0.1	0	0	
23	0.0	0	0	
24	0.0	0	0	100000000000000000000000000000000000000
25	0.6	0	0	
26	1.0	0	0	
27	1.1	0	0	
28	0.5	0	0	
29	0.6	0	0	
30	0.0	0	0	
31	0.0	0	0	

Client ID: 2584

OrderID: 220977

Prepared for: Craig Johnson

FarmName: Dague

FieldName: 6

BUILD-UP FERTILITY RECOMMENDATIONS TABLE

Sample Number	Lime Tons/Acre	Phosphorus Lbs(P2Os)/Ac	Potassium <i>Lbs</i> (<i>K</i> ₂ <i>O</i>)/ <i>Ac</i>	Notes
Median	0.5	0	0	

Client ID: 2584

Order ID: 220977

Prepared for: Craig Johnson

Farm Name: Dague

Field Name: 6

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 Darry

Mowers Soil Testing Plus, Inc.

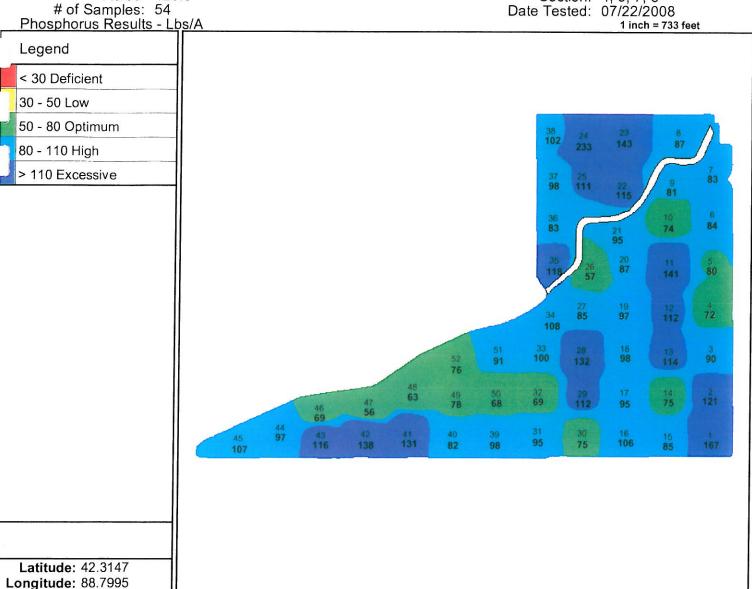
Toulon, IL 61483-0540 (309)286-2761

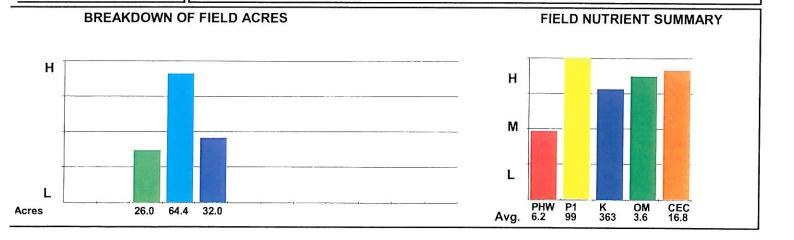


Acres: 123.3

Grid Size: 330nsX330ew

County: Boone Township: Bonuse Range: 4 E Section: 4, 5, 7, 8 Date Tested: 07/22/2008



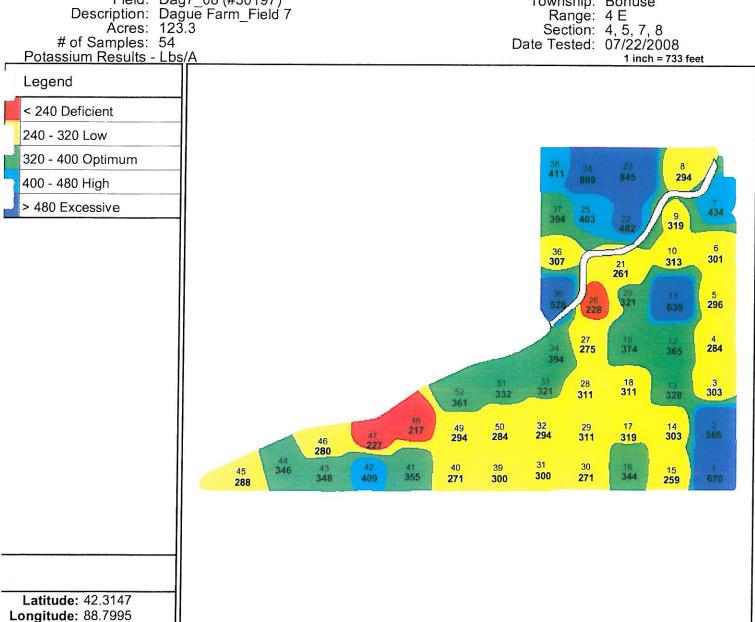


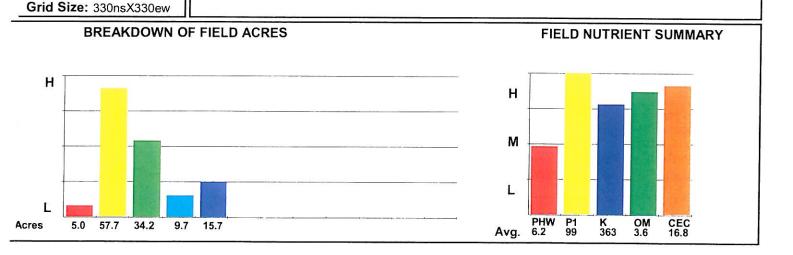
Mowers Soil Testing Plus, Inc. Toulon, IL 61483-0540

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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: 220977 Client ID: 2584

Client ID: 2584 Report Date: 7/1/2008

Farm Name: Dague Field Name: 7

Field Acres: 123.3

	Dhon				ופוכבוו			Part	Parts per Million	5			Lbs/Acre		Lbs/Ac	Percent Saturation	Saturation		men/100n
Buffer pH	phorus	Potassium	Calcium	Mag- nesium	Organic	Suffer	Zinc	Managaga	Dorog	1			100	1	1				500
7.2	167	670	1	1150	3.6	5	5.5	Mangaliese	DOLO	<u></u>	Copper	Sodium	Sub	Surf	+		7	=	CEC
7.1	121	566	5097	1471	4.3										5.13			30 I	17.7
7.2		303	4784	1364	3.5										59.9			6. 7	21.3
7.0	72	284	4158	1119	6										0			6.7	19.6
6.7	8	296	4066	933	3.5									-	28.7			12.9	17.7
9.9		301	3956	965	3 6										56.2			20.3	18.1
7.3		434	3864	1112	9 6				89						57.4			17.0	17.2
6.9		294	4085	1013	2 6										9.09			6.8	15.9
7.2		319	3809	1074	t 6										58.7			14.8	17.4
7.0	74	313	3882	1015	0. E					· ·					9.09			8.4	15.7
7.0	141	639	4398	1146	. 4										59.5			12.2	16.3
6.5		365	4434	1159	5 4										60.3			9.1	18.2
6.4	114	328	4931	1269	4.3										54.7			19.2	20.3
8.9	75	303	3882	1049	3 0										52.1			23.8	23.7
6.8	85	259	3478	842	3. 5.										55.8		2.2	16.8	17.4
9.9	106	344	3459	806	, w										58.4		2.2	15.8	4.9
6.8	95	319	3588	918	3.4										30.1		2.9	19.2	15.4
7.1	86	311	3827	1015											57.6		2.6	15.2	15.6
6.9	97	374	4747	1140	3.6							05-000			60.7		2.5	10.0	15.8
6.7	87	321	3790	891	33										01.7		2.5	11.2	19.3
6.7	95	261	3643	696	3.5									+	0.70	0.77	2.5	17.3	16.4
7.1	115	482	4379	1169	4.0										00.0		7. C	> °	10.4
7.1	143	845	4637	966	4.5							Marie Town			7. 0		0.0	- 0	
7.1	233	889	4655	971	4.6										0.00			. u	10.7
7.0	111	403	3864	846	4.5										2.5			7 0.7	5. 7
7.5	22	228	4214	1218	3.2										65.2		j τ	- -	4.0.
9.9	85	275	3662	806	3.5										7 2 2			0. cc	10.4
6.5	132	311	3754	809	4.0										2. 7.		- ' '	22.0	7.01
6.5	112	311	4103	946	4.1									-	25.0		4.7	10.01	10.0
7.0	75	271	4250	1098	4.0						-				6.15		2.7	5 5	7 0.0
6.5	92	300	3441	798	3.5										73.5		5 6	23.3	- 4 5 4
6.8	69	294	3551	935	3.4										76.3		2.4	15.0	, r
6.5	100	321	3349	669	3.6									-	55.4		27	22.6	7.7
6.4	108	394	3146	684	3.5										51.7		in	26.2	, r
9.9	118	528	4158	1072	3.6										55.4		9 6	17.0	, a
7.0	83	307	3754	916	3.7										623		2 6	7 6	7. 7.

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LABORATORY ANALYSIS AND RECOMMENDATION REPORT Special Report For: Craig Johnson

Samples Submitted by: Craig Johnson

600 S State St Suite 300 K-B Farms Inc

Belvidere, IL 61008-4322

Order No: 220977

Client ID: 2584

Report Date: 7/1/2008 Farm Name: Dague Field Name: 7

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Sulfur Zinc Manganese Boron Iron Copper Sodium Nutrates Bray Ca Mg K H 5 2 4 3.0 10.8 59.6 22.5 3.1 14.8 <th> -</th> <th>L</th> <th>L</th> <th>L</th> <th>Pounds Per Acre</th> <th>Per Acre</th> <th></th> <th>Percent</th> <th></th> <th></th> <th>Parts</th> <th>Parts per Million</th> <th></th> <th></th> <th></th> <th>Lbs/Acre</th> <th>re Lbs/Ac</th> <th></th> <th>Percent Saturation</th> <th>aturatio</th> <th></th> <th>mea/100a</th>	-	L	L	L	Pounds Per Acre	Per Acre		Percent			Parts	Parts per Million				Lbs/Acre	re Lbs/Ac		Percent Saturation	aturatio		mea/100a
58.4 24.5 24.15.0 58.4 24.5 24.15.0 58.4 24.6 2.2 14.8 57.7 22.7 22.7 26.16.9 57.7 22.7 22.1 14.8 57.7 22.7 22.1 14.8 57.8 24.1 2.8 15.4 58.3 20.9 2.3 17.5 58.4 24.6 1.9 20.0 58.4 24.6 1.9 20.0 58.4 24.6 1.9 20.0 58.5 24.7 27.3 18.1 58.6 24.8 26.15.7 58.8 26.15.7 58.8 21.5 30. 20.7	Water pH Buffer pH phorus Potassium Calcium nesium	Buffer pH phorus Potassium Calcium	Potassium Calcium	Calcium	Calcium	Mag- nesium		Organic Matter	Sulfur	Zinc	Manganese	Boron	ç	Conner	Sodium	a	7	5	2		=	0.10
59.6 22.5 3.1 14.8 58.4 24.5 2.4 15.0 57.7 22.7 2.6 16.9 57.7 22.7 2.0 3.1 18.0 56.3 20.7 2.7 20.3 56.3 20.7 2.7 20.3 56.3 20.7 2.7 20.3 56.3 20.9 2.3 17.5 59.4 25.4 2.3 18.1 59.4 27.3 1.8 16.2 57.4 27.3 2.4 12.9 50.8 18.5 2.8 27.8 50.8 18.5 2.8 27.8 50.7 27.3 1.8 16.2 50.8 18.5 2.8 27.8 50.7 27.7 24.4 25.9	6.5 7.0 98 394 4103 998	7.0 98 394 4103	98 394 4103	394 4103	4103	866	1	3.6						1242		4_	+-	+-			200	ביי היי
58.2 24.5 2.4 15.0 58.4 24.6 2.2 14.8 57.7 22.7 2.6 16.9 57.7 22.7 2.6 16.9 57.7 22.7 2.0 3.1 56.3 20.7 2.7 20.3 56.3 20.7 2.7 20.3 56.3 20.7 2.7 20.3 57.8 24.1 2.8 15.4 59.3 20.9 2.3 17.5 59.3 20.9 2.3 17.5 59.4 27.3 2.4 12.9 59.5 24.6 27.3 2.4 12.9 59.7 27.3 1.8 16.2 59.7 27.3 1.8 16.2 59.8 21.5 3.0 20.7 59.8 21.5 3.0 20.7	6.3 6.8 102 411 4066 920	6.8 102 411 4066	102 411 4066	411 4066	4066	920		4.0									-	2 02			. z	2 7
58.4 24.6 2.2 14.8 57.7 22.7 2.6 16.9 57.7 22.7 2.0 16.9 57.7 21.2 3.1 18.0 57.7 21.2 3.1 18.0 57.7 21.2 3.1 18.0 57.8 24.1 2.8 15.4 59.3 20.9 2.3 17.5 59.3 20.9 2.3 17.5 59.3 20.9 2.3 17.5 59.4 24.6 1.9 20.0 59.4 24.6 1.9 20.0 59.4 24.6 1.9 20.0 59.4 24.6 1.9 20.0 59.4 25.8 25.8 27.8 50.8 26.1 5.7 24.4 2.5 15.8 20.7 24.4 2.5 15.8 20.7 24.7 24.7 24.7 24.7 24.7 25.1 25.8 25.8 25.8 25.8 25.8 25.8 25.8 25.8	6.3 6.9 98 300 3754 948	6.9 98 300 3754	98 300 3754	300 3754	3754	948		3.5										2 4			, t	
57.7 22.7 2.6 16.9 57.7 22.7 2.6 16.9 57.8 24.1 2.8 15.4 59.3 20.7 2.7 20.3 56.3 20.7 2.7 20.3 56.3 20.7 2.7 20.3 57.8 24.1 2.8 15.4 59.3 20.9 2.3 17.5 59.4 24.6 1.9 20.0 59.7 27.3 1.8 16.2 57.4 27.3 2.4 12.9 56.9 24.8 2.6 15.7 50.8 18.5 2.8 27.8 50.8 18.5 2.8 27.8 50.7 24.4 2.5 15.8	6.3 6.9 82 271 3717 941	6.9 82 271 3717	82 271 3717	271 3717	3717	941		3.3									+	200			5 5	10.
57.7 22.7 2.0 10.3 56.3 20.7 2.7 2.0 10.3 56.3 20.7 2.7 20.3 20.3 59.3 20.9 2.3 17.5 59.4 25.4 2.3 18.1 53.4 24.6 1.9 20.0 54.7 27.3 1.8 16.2 57.4 27.3 1.8 16.2 56.9 24.8 2.6 15.7 56.9 24.8 2.6 15.7 56.9 24.8 2.6 15.7 57.7 24.4 2.5 15.8	6.2 6.8 131 355 4011 948	6.8 131 355 4011	131 355 4011	355 4011	4011	948		3.5										7 7				0. 7
56.3 20.7 2.7 20.3 56.3 20.7 2.7 20.3 57.8 24.1 2.8 15.4 59.3 20.9 2.3 17.5 54.2 25.4 2.3 18.1 53.4 24.6 1.9 20.0 54.7 27.3 1.8 16.2 57.4 27.3 2.4 12.9 56.9 24.8 2.6 15.7 56.8 18.5 2.8 2.6 15.7 57.7 24.4 2.5 15.8	6.1 6.6 138 409 3882 855	6.6 138 409 3882	138 409 3882	409 3882	3882	855		3.6										2.72		0. 6	0 0	4. 04
57.8 24.1 2.8 15.4 59.3 20.9 2.3 17.5 53.4 24.6 1.9 20.0 54.7 27.3 18.1 53.4 24.6 1.9 20.0 54.7 27.3 1.8 16.2 56.9 24.8 2.6 12.9 56.9 24.8 2.6 15.7 56.8 21.5 3.0 20.7 57.7 24.4 2.5 15.8	6.0 6.7 116 348 3680 811	6.7 116 348 3680	116 348 3680	348 3680	3680	811		3.5				-			0.0000000000000000000000000000000000000			2 4			20.00	0.01
59.3 20.9 2.3 17.5 59.4 2.5 2.3 17.5 59.4 2.5 2.3 17.5 59.5 2.5 2.3 17.5 59.6 2.5 2.3 17.5 59.7 2.7 2.7 1.8 16.2 50.8 2.6 2.7 2.7 12.9 50.8 18.5 2.8 2.6 15.7 50.7 24.4 2.5 15.8	6.2 6.7 97 346 3717 931	6.7 97 346 3717	97 346 3717	346 3717	3717	931	4	3.6	Ī									27.6		., c	15.4	10.4
54.2 25.4 2.3 17.3 54.2 25.4 2.3 18.1 53.4 24.6 1.9 20.0 57.4 27.3 24.8 12.9 56.9 24.8 2.6 15.7 50.8 18.5 2.8 27.8 57.7 24.4 2.5 15.8	6.1 6.6 107 288 3846 811	6.6 107 288 3846	107 288 3846	288 3846	3846	811		3.7								-		70.04		0.4	, r	. d
53.4 24.6 1.9 20.0 53.4 24.6 1.9 20.0 57.4 27.3 1.8 16.2 56.9 24.8 2.6 15.7 50.8 18.5 2.8 27.8 54.8 21.5 3.0 20.7	6.1 6.7 69 280 3349 942	6.7 69 280 3349	69 280 3349	280 3349	3349	942		2.7	-									2 2		2.6	 	10.2
54.7 27.3 1.8 16.2 57.4 27.3 2.4 12.9 56.9 24.8 2.6 15.7 50.8 18.5 2.8 27.8 54.8 21.5 3.0 20.7	6.0 6.7 56 227 3257 901	6.7 56 227 3257	56 227 3257	227 3257	3257	901		2.8										73 7		3. 4	20.0	
57.4 27.3 2.4 12.9 56.9 24.8 2.6 15.7 50.8 18.5 2.8 27.8 57.7 24.4 2.5 15.8	6.2 6.8 63 217 3294 988	6.8 63 217 3294	63 217 3294	217 3294	3294	988		2.7								+		7.47		5 00	16.0	7.0.
56.9 24.8 2.6 15.7 56.9 24.8 2.6 15.7 56.9 24.8 2.6 15.7 56.9 24.8 2.6 15.7 56.9 24.8 2.6 15.8	6.4 7.0 78 294 3570 1018	7.0 78 294 3570	78 294 3570	294 3570	3570	1018		3.3										57.7			1 0	- 4 - 4
50.8 18.5 2.8 27.8 54.8 21.5 3.0 20.7 55.7 24.4 2.5 15.8	6.2 6.8 68 284 3220 842	6.8 68 284 3220	68 284 3220	284 3220	3220	842		3.2										7. 9.		, c	7.7.7.	5 2
54.8 21.5 3.0 20.7 56.7 24.4 2.5 15.8	5.6 6.3 91 332 3036 665	6.3 91 332 3036	91 332 3036	332 3036	3036	999		3.5										5 5		ν σ	2.5.0	
57.7 24.4 2.5 15.8	6.0 6.6 76 361 3386 798	6.6 76 361 3386	76 361 3386	361 3386		798		3.6										2.5	ĺ) C	3. 7. 00	15.4
	6.2 6.8 96 316 3854 948	6.8 96 316 3854	96 316 3854	316 3854	3854	948		3.5										57.7		2.5	15.8	16.4

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: 220977

Client ID: 2584

Report Date: 7/1/2008 Farm Name: Dague

Field Acres: 123.3 Field Name: 7

			Pounds Per Acre	er Acre		Percent			Parts	Parts per Million				Lbs/Acre	bs/Ac	Per	Percent Saturation	ation	mon/100n
Sample Water pH	Buffer pH	Phos- phorus	Potassium Calcium	Calcium	Mag- nesium	Organic Matter	Sulfur	Zinc	Manganese	Boron	<u>15</u>	Copper	Sodium	Copper Sodium Sub Surf	Bray P2	రొ	Mg K	I	CEC
Field	Field Median V.L.	V Low	Fertility Level	High V High	- E				ĬŢ.	ertilizer F	Recomm	endatio	ns are in	Fertilizer Recommendations are in Pounds per Acre	er Acre				
Water pH	6.2	1 888 8		11		Inten	Intended Crop						PERSONAL PROPERTY AND ASSESSMENT OF THE PERSON NAMED OF THE PERSON						
Potassium	316					_	Yield Goal												
Calcium	3854							N -	$N-P_2O_S-K_2O$		$N - P_2O_3 - K_2O_3$	- K,O	N - P	N-P,O,-K,O	-	N - P.O K.O	- K,0		
Organic Matter	3.5				_		Build-up				rii Li			4		n n	7		
						Crop Removal:	val: IL								***				
) 	**TOTAL REQUIRED	UIRED	-		-									
					Credits:	S:													
Limestone Recommendations	idations				RE	**ADJUSTED RECOMMENDATIONS	ED SNOIT								-			-T	
CONVERSIONS: PPM = Lbs/Acre / 2 or Lbs/Acre = PPM x 2	M = Lbs/Acre	1/2 or Lbs	/Acre = PP	M×2			Adj	ust Nitro	Adjust Nitrogen Recommendations for Previous Crop or other N Sources.	nendation	is for Pre	vious Cro	op or othe	r N Sources				-T-	
Previous Crop None Specified	Specified		Previous	Previous Yield: 0														7	

Optimum Ranges:

Water pH: 6.3 - 6.8 Phosphorus: 50.0 - 80.0 Potassium: 320.0 - 400.0

A minimum N fertilizer application of 30 lbs/acre may be appropriate for early growth. If P > 40 or K > 260, then only a starter fertilizer is recommended.

Client ID: 2584 Order ID: 220977
Prepared for: Craig Johnson Farm Name: Dague

Field Name: 7

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	Cor	n Grai	n	So	ybean)	Cor	n Grai	n	Sc	ybear	1
Yield Goal	150	Bu/A	С	50	Bu/A	C	178	5 Bu/A	С	60	Bu/A	С
	$N-P_2$	$O_5 - K$	$\zeta_2 O$	$N-P_2$	$O_s - I$	K_2O	$N-P_2$	$O_5 - K$	ζ ₂ Ο	$N-P_2$	O ₅ -	K_2O
Build up (4 years)	0 -	0 -	4	0 -	0 -	4	0 -	0 -	4	1 -	0 -	
Crop Removal	180 -	56 -	42	0 -	42 -	65	210 -	65 -	49	0 -	50 -	78
TOTAL REQUIRED	180 -	56 -	46	0 -	42 -	69	210 -	65 -	53	0 -	50 -	82
Credits: High Fertility	0 -	28 -	0	0 -	21 -	0	0 -	33 -	0	0 -	25 -	0
ADJUSTED RECOMMENDATION	180 -	28 -	46	0 -	21 -	69	210 -	32 -	53	0 -	25 -	82
Limestone Requirements: 0.94 Tons/Acre				1000								

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.

	RE	CORDS OF A	CTUAL FE	RTILITY APP	LIED	
Year	Actual Crop	Actual Yield	Lime Tons/Ac	Nitrogen Lbs/Acre	Phosphorus Lbs/Acre	Potassium Lbs/Acre
						-
or a second of a second					6 E	-
XX				-	-	-

Client ID: 2584 OrderID: 220977
Prepared for: Craig Johnson FarmName: Dague

FieldName: 7

BUILD-UP FERTILITY RECOMMENDATIONS TABLE

Sample	Lime	Phosphorus	Potassium	Notes
Number	Tons/Acre	$Lbs(P_2O_5)/Ac$	$Lbs(K_2O)/Ac$	
1	0.0	0	0	
2 3	0.0	0	0	
	0.0	0	17	
4	0.1	0	36	
5	2.2	0	24	
6	1.3	0	19	
7	0.0	0	0	
8	0.7	0	26	
9	0.0	0	0	
10	0.0	0	7	
11	0.0	0	0	
12	1.9	0	0	
13	3.2	0	0	
14	1.2	0	17	
15	1.0	0	31	
16	1.6	0	0	
17	0.8	0	0	
18	0.0	0	0	
19	0.0	0	0	
20	1.4	0	0	
21	1.5	0	59	
22	0.0	0	0	
23	0.0	0	0	
24	0.0	0	0	
25	0.0	0	0	
26	0.0	0	92	
27	2.9	0	45	
28	2.7	0	9	
29	1.9	0	9	7
30	0.0	0	49	
31	3.1	0	20	
32	1.1	0	0	
33	2.3	0	0	
34	3.0	0	0	
35	1.3	0	0	

Client ID: 2584 OrderID: 220977
Prepared for: Craig Johnson FarmName: Dague

FieldName: 7

BUILD-UP FERTILITY RECOMMENDATIONS TABLE

Sample Number	Lime Tons/Acre	Phosphorus Lbs(P ₂ O ₅)/Ac	Potassium	Notes
			$Lbs(K_2O)/Ac$	
36	0.0	0	0	
37	0.0	0	0	10 F (186, 74 C) (187, 75 C) (
38	0.7	0	0	
39	0.7	0	20	
40	0.8	0	19	
41	1.3	0	0	
42	1.6	0	0	
43	2.2	0	0	
44	0.8	0	0	
45	1.4	0	32	
46	1.4	0	10	
47	1.8	0	63	
48	1.0	0	73	
49	0.4	0	0	
50	0.9	0	6	
51	3.3	0	0	
52	1.9	0	Ö	
			-	
Median	0.9	0	4	

Tracts 30, 31 & 32

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

Customer: Craig Johnson
Field: PF14_08 (#30194)
Description: Pederson Farm_Field 1-4
Acres: 232.1
of Samples: 59
Farm Map

County: Boone
Township: Caledonia
Range: 3 E
Section: 28,29
Date Tested: 07/22/2008

1 inch = 1031 feet

Legend Field 1 57.9 Ac Field 2 83.9 Ac Field 3 57.1 Ac Field 4 33.2 Ac Latitude: 42.3574 Grid Size: 440nsX440ew

Longitude: 88.9080

Mowers Soil Testing Plus, Inc.

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

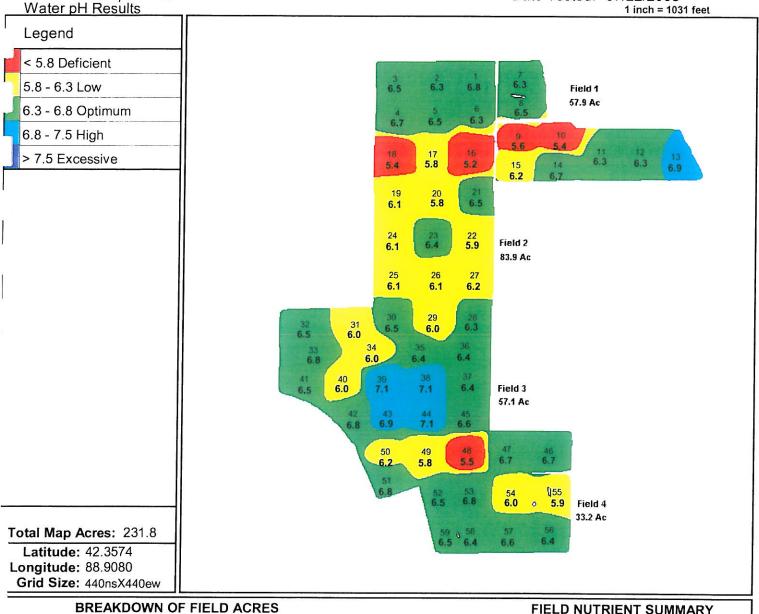
Customer: Craig Johnson Field: PF14_08 (#30194)

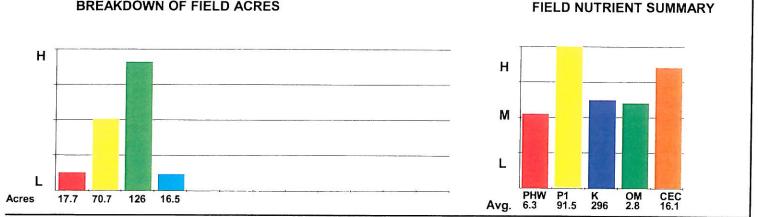
Description: Pederson Farm_Field 1-4 Acres: 232.1

of Samples: 59

County: Boone Township: Caledonia Range: 3 E Section: 28,29

Date Tested: 07/22/2008





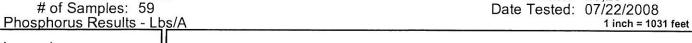
Mowers Soil Testing Plus, Inc. Toulon, IL 61483-0540

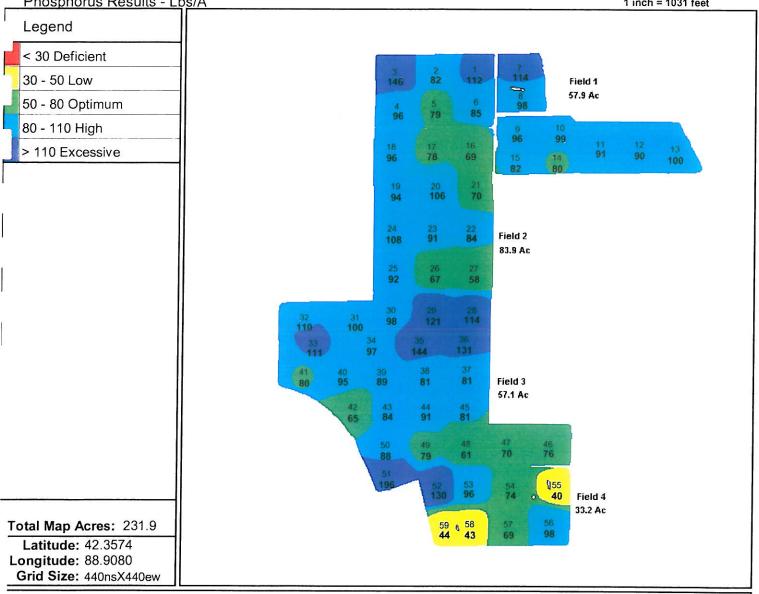
(309)286-2761

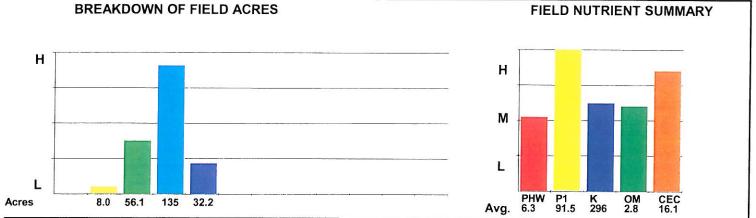
Customer: Craig Johnson Field: PF14_08 (#30194) Description: Pederson Farm_Field 1-4
Acres: 232.1

of Samples: 59

County: Boone Township: Caledonia Range: 3 E Section: 28,29

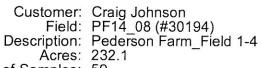






Mowers Soil Testing Plus, Inc.

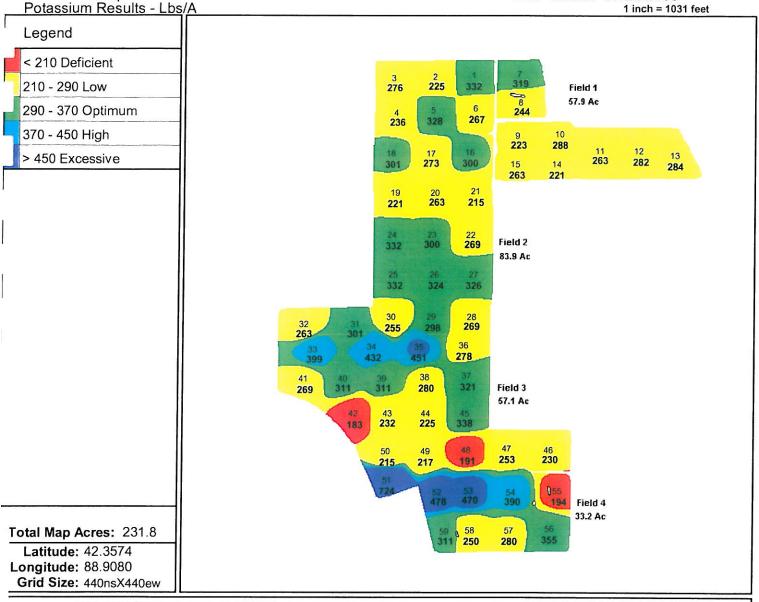
Toulon, IL 61483-0540 (309)286-2761

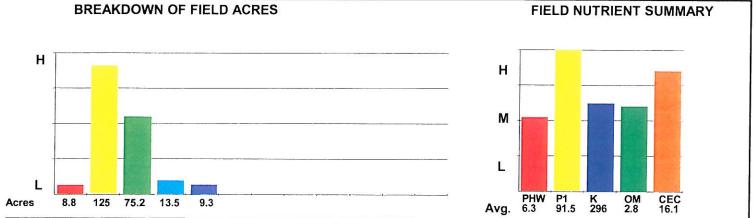


of Samples: 59

County: Boone Township: Caledonia Range: 3 E Section: 28,29







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

Belvidere, IL 61008-4322 600 S State St Suite 300 K-B Farms Inc

Order No: 220975

Client ID: 2584

Farm Name: Pederson Farm Report Date: 7/1/2008

Field Acres: 57.9 Field Name: 1

Sample				25.00.00	- 50		3					_			704		Por Work	2	1-0		
	Water nH	RuffernH	Phos-	Dotochio	11.20	Mag-	Organic								Nitrates		Bray	Lei Dia	Percent Saturation	ation	meq/100g
	0	14	747	LOIGISS	Caldum	mesium	Matter	Sulfur	Zinc	Manganese	Boron	Lou	Copper	Sodium	S	=		Ca	Mg K	Ξ	CEC
	0.0	C: /	71.1		3662	1119	2.2											62.3	31.8	2 9	3.0 14.7
2	6.3	7.0	82	225	2907	787	2.3		770								, ц				
3	6.5	7.2	146	276	3717	1271	2.4														
4	6.7	7.4	96	236		1005	2.2					Ti fallan									
5	6.5	7.2	79	328	2944	944	23										-	i			
9	6.3	7.0	85	38000	3054	897	2.2														
7	6.3	7.0	114	319	2999	821	2.3										., 4	200.2			
8	6.5	7.2	98	244	3202	815	2.4													80 15	
6	5.6	6.5	96	223	2613	661	2.5														
10	5.4	9.9	66		2594	675	0										u				
7	6.3	7.0	91		2870	669	2 5										4 1				
12	6.3	6.9	90		3882	910	, w										n c				
13	6.9	7.4	100	284	5612	1254	3.6						-				D G	2 2.00	20.07	7	
14	6.7	7.3	80	221	3901	823	3.0										y			0 0	
15	6.2	6.9	82	263	2962	711	2.3										, u			,	16.7
Field Median	6.3	7.0	96	266	3054	822	2.3										9 40				

	Piola Madion	reminty Level	, revei		Fert	Fertilizer Recommendations are in Pounds per Acre	are in Pounds par	Acre
	rieid Median	V Low Low Medi	Low Medium High V High	ligh			and and in a callus bell	200
Water pH	6.3							
Phosphorus	96			Intended Crop		33.0		
Potassium	266			Yield Goal				
Calcium	3054				0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			
Magnesium	822			T	N = P2O3 = N2O	$N - P_2 O_5 - K_2 O$	$N - P_2O_5 - K_2O_7$	$N - P_2O_5 - K_2O$
Organic Matter	2.3	Brief Carlo San Carlo		dn-pling	0.00			
				Crop Removal: IL				
				**TOTAL REQUIRED				
				Credits:				
				COTO!!! CA!#				The same of the sa
Limestone Recommendations	ommendations			RECOMMENDATIONS				
CONVERSION	S: PPM = Lbs/	CONVERSIONS: PPM = Lbs/Acre / 2 or Lbs/Acre = PPM x 2	= PPM x 2	Adji	ust Nitrogen Recomme	Adjust Nitrogen Recommendations for Previous Crop or other N Sources.	op 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

A minimum N fertilizer application of 30 lbs/acre may be appropriate for early growth. If P > 40 or K > 260, then only a starter fertilizer is recommended.

Client ID: 2584 Order ID: 220975

Prepared for: Craig Johnson Farm Name: Pederson 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- 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 - 28 - 0	0 - 21 - 0	0 - 33 - 0	0 - 25 - 0
ADJUSTED RECOMMENDATION	180 - 28 - 65	0 - 21 - 88	210 - 32 - 72	0 - 25 - 101
Limestone Requirements: 0.56 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.

	RE	CORDS OF A	CTUAL FER	TILITY APP	LIED	
Year	Actual Crop	Actual Yield	Lime Tons/Ac	Nitrogen Lbs/Acre	Phosphorus Lbs/Acre	Potassium Lbs/Acre
70 27 27 27 27 27 27 27 27 27 27 27 27 27	-		2	1.	-	- (
				-		

Client ID: 2584

OrderID: 220975

Prepared for: Craig Johnson

FarmName: Pederson Farm

FieldName: 1

BUILD-UP FERTILITY RECOMMENDATIONS TABLE

Below are the actual Phosphorus units (Lbs P205/Acre) and the actual Potassium (Lbs K20/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 Lbs(P2Os)/Ac	Potassium Lbs(K2O)/Ac	Notes
1	0.0	0	0	
2	0.6	0	65	
3	0.0	0	44	
4	0.0	0	54	
5	0.0	0	0	
6	0.6	0	23	
7	0.6	0	0	
8	0.0	0	46	
9	3.3	0	67	
10	4.1	0	2	
11	0.7	0	27	
12	0.5	0	38	
13	0.0	0	36	
14	0.0	0	69	
15	1.1	0	27	
Median	0.6	0	23	

Client ID: 2584

Order ID: 220975

Prepared for: Craig Johnson

Farm Name: Pederson Farm

Field Name: 1

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

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:

K-B Farms Inc Craig Johnson

Belvidere, IL 61008-4322 600 S State St Suite 300

Order No: 220975

Client ID: 2584

Farm Name: Pederson Farm Report Date: 7/1/2008

Field Acres: 83.9 Field Name: 2

				Pounds Per Acre	er Acre		Percent			Tad	Parts ner Million				1 ho/A - 11	1.1.4	ĺ);		
0		82	Phos-			Mag-	Organic								LUS/ACIE	LOS/AC		Percent Saturation	uration	med	meq/100g
Sample	Water pH	Buffer pH	phorus	Potassium	Calcinm		Matter	Sulfur	Zinc	Manganese	Boron	Lon	Copper	Sodiim	Sub Court	Bray	3		- د		(1)
16	5.2	6.4	69	300	1805	378	2.2								+		3 6	20 7	1	-	ן כ
17	5.8	6.7	78	273	2760	688	2									-	5 1	0.0		0.70	0.3
18	5.4	S.	g	5	2576	0 0	i c							-			52.0	21.6	2.6 2	23.7	13.3
2 5	5 0	1 0	9 6		0/07	710	7.7										46.7	18.5	2.8	32.1	13.8
0	- 0	0.7	94	221	2962	992	3.0										57.9	217	22	18.2	128
20	5.8	6.7	106	263	3680	1043	2.2			Market Land						_	50.7	23.0		3.0	0.0
21	6.5	7.2	70	215	3257	971	2.1									-	1 0	0.00		K 5.3	0.0
22	5.9	9.9	84	269	4306	941	3.2										00.0	0.82		7 . 7	0, 4
23	6.4	6.9	91	300	3275	800	3.8										4.00	20.0		21.3	19.1
24	6.1	6.7	108	332	4508	1127	ις. Τ										- 00	24.0		12.6	13.6
25	6.1	9.9	92	332	5170	1248	, K										20.0	23.6		17.7	19.9
56	6.1	9	6.7	324	0000	1205	7 6										57.3	23.1	1.9	17.8	22.6
27		9 1	5 6	420	0600	CAC	0. 9										57.5	22.0	1.6	18.9	26.5
2 00	2.0	0.0	8	326	5336	1414	4.5										57.6	25.4	1.8	15.2	23.2
07	6.3	6.8	114	269	4361	1104	3.8										59.0	249	1 0	14.2	α
59	0.9	9.9	121	298	2995	1193	4.5										27.0	2 6 6		1 0	5 2
30	6.5	6.9	98	255	6587	1699	4.6	91.									5 6	20.00	_	50.3	C 47
31	0.9	9.9	100	301	4858	1075	4.0										0.0	0.07		4.0.0	20.0
32	6.5	7.2	110	263	3551	1026	2.2										20.0	0.12		20.3	21.3
33	6.8	7.5	111	399	3514	1018	2.1										7.80	28.3		10.8	15.1
34	6.0	6.6	97	432	5097	1150	i r										8.10	29.8	- 2	φ.	14.2
35	6.4	69	144	784	5025	7 7		- 1/4						Was 11 12			56.3	21.2	2.4	20.1	22.6
36	4.0	2 0	757	1 0	0350	7101	Ö. 0										29.7	25.4	2.3	12.6	24.8
3	5	0.0	2	0/7	0110	1146	4.3										62.9	23.5	1.8	11.9	20.3
Median	6.7	6.7	96	300	4360	1076	3.6	A11 A11									57.6	23.5		17.8	19.1

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: 220975 Special Report For: Craig Johnson

Samples Submitted by: Craig Johnson

K-B Farms Inc 600 S State St Suite 300 Belvidere, IL 61008-4322

Client ID: 2584

Report Date: 7/1/2008

Farm Name: Pederson Farm

Field Name: 2

Field Acres: 83.9

			Pounds Per Acre	er Acre		Percent			Parts per Million	lion			i he/Acro	l he/Ac	Dorog	ot Cottonio	1000
Sample Water pH	H Buffer pH	Phos- phorus	Potassium Calcium	Calcium	Mag- nesium	Organic Matter	Sulfur	Zinc	Manganese Boron	no Iron		Sodium	Copper Sodium Sub Surf P2		Ca Mg	Ma	 CFC
			Fertility Level		-				Fortilia	or Doon	oitobaoar	1 0 0	O C			3	
ĩ	Field Median V	V Low Low	Low Medium H	High V High					71110	ים ואפרסו	וווובווחמוו	אוז מוב ווו	e divince i neconnine i dationis ale ili rounds per Acie	a Acte			
Water pH	6.1												The state of the s		-		
Phosphorus	96		THE RESIDENCE OF THE PERSON NAMED IN		T	Inter	Intended Crop	_						-			
Potassium	300	A Special Control					Yield Goal					-					
Calcium	4360							X	2 2 2	2	2	;	;	;	,		
Magnesium	1076						:		$N = F_2 O_5 = N_2 O_1 - F_2 O_5 = N_2 O_1 - F_2 O_5 = K_2 O_1$	$N = F_2 C$	5 - A 2U	N - P2	0, 1 K 20	2	$N - P_2O_5 - K_2O$	K 20	
Organic Matter	3.6				Г		Build-up	_									
						Crop Removal:	oval: IL										
)L**	**TOTAL REQUIRED	UIRED									Ī	
					The second	-											
					Credits:	ts:											
TO THE PERSON ASSESSMENT ASSESSME						**AD.IIISTED	ED.	-				1					
Limestone Recommendations	endations				RE	RECOMMENDATIONS	ATIONS									-	
CONVERSIONS: PPM = Lbs/Acre / 2 or Lbs/Acre = PPM x 2	PM = Lbs/Acr	re / 2 or Lbs	3/Acre = PP	M×2			Ad	just Nitro	Adjust Nitrogen Recommendations for Previous Crop or other N Sources.	ations for F	revious Cr	op or other	r N Sources				
Previous Crop None Specified	Specified		Previous	Previous Vield: 0							No.						
	200000		DOCADIL	o ligit. o													

A minimum N fertilizer application of 30 lbs/acre may be appropriate for early growth. If P > 40 or K > 260, then only a starter fertilizer is recommended.

Optimum Ranges: Water pH: 6.3 - 6.8 Phosphorus: 50.0 - 80.0 Potassium: 320.0 - 400.0

Client ID: 2584

Order ID: 220975

Prepared for: Craig Johnson

Farm Name: Pederson Farm

Field Name: 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	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 - 20	0 - 0 - 20	0 - 0 - 20	0- 0- 20
Crop Removal	180 - 56 - 42	0 - 42 - 65	210 - 65 - 49	0 - 50 - 78
TOTAL REQUIRED	180 - 56 - 62	0 - 42 - 85	210 - 65 - 69	0 - 50 - 98
Credits: High Fertility	0 - 28 - 0	0 - 21 - 0	0 - 33 - 0	0 - 25 - 0
ADJUSTED RECOMMENDATION	180 - 28 - 62	0 - 21 - 85	210 - 32 - 69	0 - 25 - 98
Limestone Requirements: 1.5 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.

	R	ECORDS OF	ACTUAL FEI	RTILITY APP	LIED	建基色层层
Year	Actual Crop	Actual Yield	Lime Tons/Ac	Nitrogen Lbs/Acre	Phosphorus Lbs/Acre	Potassium Lbs/Acre
					-	

Client ID: 2584

Prepared for: Craig Johnson

OrderID: 220975

FarmName: Pederson Farm

FieldName: 2

BUILD-UP FERTILITY RECOMMENDATIONS TABLE

Below are the actual Phosphorus units (Lbs P205/Acre) and the actual Potassium (Lbs K20/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	Lime	Phosphorus	Potassium	Notes
Number	Tons/Acre	$Lbs(P_2O_5)/Ac$	$Lbs(K_2O)/Ac$	
16	5.0	0	0	
17	2.5	0	17	
18	4.1	0	0	
19	1.4	0	69	
20	3.3	0	57	
21	0.0	0	75	
22	2.5	0	51	
23	0.3	0	0	
24	1.5	0	0	
25	1.5	0	0	
26	2.0	0	26	
27	0.8	0	0	
28	0.5	0	51	
29	2.4	0	52	
30	0.0	0	95	
31	2.2	0	19	
32	0.0	0	27	
33	0.0	0	0	
34	2.2	0	0	
35	0.0	0	0	
36	0.0	0	42	
Median	1.5	0	20	

Client ID: 2584

Order ID: 220975

Prepared for: Craig Johnson

Farm Name: Pederson Farm

Field Name: 2

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 Dorong

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: 220975 Special Report For: Craig Johnson

Samples Submitted by: Craig Johnson

K-B Farms Inc 600 S State St Suite 300 Belvidere, IL 61008-4322

Client ID: 2584

Farm Name: Pederson Farm Report Date: 7/1/2008

Field Acres: 57.1 Field Name: 3

				Pounds Per Acre	er Acre		Percent			Parts	Parts ner Million				I hollors		1 holds	100	1		10073
Sample	Material	Duffee	Phos-				Organic								Nitrates) A	<u> </u>	reiceili Saluration	5	med/100g
Caribic	vale pr		phong	Potassium	Calcium	nesium	Matter	Sulfur	Zinc	Manganese	Boron	lon	Copper	Sodium	Sub	Surf P2	Ca Ca	Mo	×	1	CHO
3/	6.4	7.0	81	321	4453	1374	2.8								١	1	H	U	10	1.	
38	7.1	7.5	81	280	4821	1303	3.4										5 6				
33	7.1	7.5	89	311	5686	1803	3.6						24/49				5 α				
40	6.0	6.5	95	311	4858	1216	4.5										5 ử				
14	6.5	7.1	80	269	3938	1112	2.6										5 6				
42	6.8	7.5	65	183	3422	950	1.8										<i>3</i> 6			_	
43	6.9	7.5	84	232	3312	944	5.					one en					ό ä				
44	7.1	7.5	91		3643	1003	9.								-		5 G				
45	u u	7.3	0		2754	7077	0			-							5	0.00	0.	0.0	3.0
5 6	1 0	- I	ō 1		3/04	151	N.0					-					25	59.3 29.7	7 2.7	7 8.3	15.8
40	0.0	4.7	9/	230	3146	1041	2.3										56	59.4 32.7	7 2.2	5.7	13.3
47	6.7	7.4	70	253	3404	1093	2.2										25				
48	5.5	6.4	61	191	2171	486	1.8	-									, ic			C	
49	5.8	6.7	79	217	2300	551	2.0	-							+		5 6				
20	6.2	6.8	88	215	2962	999	2.8										, <u>r</u>				
Field Median	9.9	7.3	8	242	3532	1066	2.3										3 20			i	
															-						

of Marie	7	Ĭ.	Fertility Level	<u> </u>			Fer	Fertilizer Recommendations are in Pounds ner Acre	ins are in Pounds per	Acre
Field Median	ledian V Low	Low	Low Medium High	-	V High		5		ale ale il i callas bel	ט
Water pH	6.6						The state of the s			
Phosphorus	80					Intended Crop				
Potassium	242					Yield Goal				
Calcium	3532						0 d - N		0	
Magnesium	1066					į		-	$V = F_2 U_5 = A_2 U = F_2 U_5 = A_2 U$	$N - F_2 O_5 - K_2 O_7$
Organic Matter	2.3					dn-pling				
						Crop Removal: IL	~~~			
						**TOTAL REQUIRED				
						Credits:				
					1_	**AD III CTED				
Limestone Recommendations	tions					RECOMMENDATIONS				
CONVERSIONS: PPM = Lbs/Acre / 2 or Lbs/Acre = PPM x 2	= Lbs/Acre /	2 or Lbs/	Acre = P	PM x 2		Adj	iust Nitrogen Recomme	Adjust Nitrogen Recommendations for Previous Crop or other N Sources.	op 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

A minimum N fertilizer application of 30 lbs/acre may be appropriate for early growth. If P > 40 or K > 260, then only a starter fertilizer is recommended.

Client ID: 2584 Order ID: 220975

Prepared for: Craig Johnson Farm Name: Pederson Farm

Field Name: 3

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- 47	0 - 0 - 47	0 - 0 - 47	0 - 0 - 47
Crop Removal	180 - 56 - 42	0 - 42 - 65	210 - 65 - 49	0 - 50 - 78
TOTAL REQUIRED	180 - 56 - 89	0 - 42 - 112	210 - 65 - 96	0 - 50 - 125
Credits: High Fertility	0- 0- 0	0- 0- 0	0- 0- 0	0- 0- 0
ADJUSTED RECOMMENDATION	180 - 56 - 89	0 - 42 - 112	210 - 65 - 96	0 - 50 - 125
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.

	RE	CORDS OF	ACTUAL FER	RTILITY APP	LIED #	
Year	Actual Crop	Actual Yield	Lime Tons/Ac	Nitrogen Lbs/Acre	Phosphorus Lbs/Acre	Potassium Lbs/Acre
					-	
		Service de La Constitución de La			-	- A
						-

Client ID: 2584 OrderID: 220975

Prepared for: Craig Johnson FarmName: Pederson Farm

FieldName: 3

BUILD-UP FERTILITY RECOMMENDATIONS TABLE

Below are the actual Phosphorus units (Lbs P205/Acre) and the actual Potassium (Lbs K20/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 Lbs(P2Os)/Ac	Potassium Lbs(K2O)/Ac	Notes
37	0.0	0	0	
38	0.0	0	40	
39	0.0	0	9	
40	2.0	0	9	
41	0.0	0	51	
42	0.0	0	107	
43	0.0	0	58	
44	0.0	0	65	
45	0.0	0	0	
46	0.0	0	60	
47	0.0	0	37	
48	3.5	0	99	
49	2.7	0	73	
50	1.2	0	75	
Median	0.0	0	47	

Client ID: 2584

Order ID: 220975

Prepared for: Craig Johnson

Farm Name: Pederson 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

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

600 S State St Suite 300 K-B Farms Inc

Belvidere, IL 61008-4322

Order No: 220975

Report Date: 7/1/2008 Client ID: 2584

Farm Name: Pederson Farm Field Name:

Field Acres: 33.2

nple Water pH Buffer pH Phons Polassium Calcium Assign Organic Sulfur Zinc Manganese Boron Iron Copper Sodium Sulfures Bray Calcium 6.8 7.5 196 7.2 1332 2.4 2.2					Pounds Per Acre	er Acre		Percent			Park	Parts per Million				he/Acro	l he/An		O troops	doitouide	-	200/190
6.8 7.5 196 724 3312 832 2.4 Amaganese Boron Iron Copper Sodium Surf P2 Ca Mg 6.5 7.2 130 478 3312 832 2.2 86.0 8.0 7.8 86.1 86.1 9.0 7.8 86.1 9.0 7.8 9.0 7.8 9.0 9.0 7.8 9.0	Sample	Water pH		Phos-	Potaceium		Mag-	Organic	1	i						Nitrates		-	00000	ardi allo		nied ing
6.5 7.2 196 724 3312 832 2.4 66.1 26.0 6.5 7.2 130 478 3551 1005 2.2 6.6 6.7 74 390 3330 994 2.4 6.1 5.0 6.1 5.0 6.1 5.0 5.8 6.1 5.0 6.1 5.0 6.1 5.0 5.8 6.1 5.0 5.8 6.1 5.1 6.1 5.0 5.8 5.1<	14					5	וניסו	Matter	Sulfur	7IUC	Manganese		Lon	Copper	Sodium	Sub		පු	₽		1	CEC
6.5 7.2 130 478 3551 1005 2.2 59.0 27.8 6.8 7.5 96 470 3183 948 2.3 61.5 30.6 6.0 6.7 74 390 3330 994 2.4 61.5 30.6 6.4 7.0 98 355 2889 758 2.6 58.2	-0	0.0						2.4				Nac					_	63.1	26.0	1	0 5	40.0
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	ield Aedian	6.5		74			948	2.4										58.2		3.1	4.01	14.1

 $N - P_2O_5 - K_2O$

 $N-P_2O_5-K_2O$

 $N-P_2O_5-K_2O$

 $N-P_2O_5-K_2O$

Build-up

Crop Removal: IL

**TOTAL REQUIRED

Credits:

Intended Crop

Low Medium High V High

VLow

Field Median

6.5

Phosphorus Potassium Water pH

Calcium

74 356 3202 948

2.4

Organic Matter Magnesium

Fertility Level

Yield Goal

Fertilizer Recommendations are in Pounds per Acre

***ADJUSTED RECOMMENDATIONS CONVERSIONS: PPM = Lbs/Acre / 2 or Lbs/Acre = PPM x 2 Previous Crop None Specified Limestone Recommendations

Previous Yield: 0

Adjust Nitrogen Recommendations for Previous Crop or other N Sources.

Optimum Ranges:

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

Client ID: 2584 Order ID: 220975

Prepared for: Craig Johnson Farm Name: Pederson Farm

Field Name: 4

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- 0	0 - 0 - 0	0- 0- 0	0- 0- 0
Crop Removal	180 - 56 - 42	0 - 42 - 65	210 - 65 - 49	0 - 50 - 78
TOTAL REQUIRED	180 - 56 - 42	0 - 42 - 65	210 - 65 - 49	0 - 50 - 78
Credits: High Fertility	0- 0- 0	0- 0- 0	0- 0- 0	0- 0- 0
ADJUSTED RECOMMENDATION	180 - 56 - 42	0 - 42 - 65	210 - 65 - 49	0 - 50 - 78
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.

	RE	CORDS OF	ACTUAL FER	TILITY APP	LIED	
Year	Actual Crop	Actual Yield	Lime Tons/Ac	Nitrogen Lbs/Acre	Phosphorus Lbs/Acre	Potassium Lbs/Acre
 						
100						
				46.4 - 10.00	-	

Client ID: 2584 OrderID: 220975

Prepared for: Craig Johnson FarmName: Pederson Farm

FieldName: 4

BUILD-UP FERTILITY RECOMMENDATIONS TABLE

Below are the actual Phosphorus units (Lbs P205/Acre) and the actual Potassium (Lbs K20/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 Lbs(P2O5)/Ac	Potassium Lbs(K2O)/Ac	Notes
51	0.0	0	0	
52	0.0	0	0	
53	0.0	0	0	
54	1.9	0	0	
55	2.3	23	96	
56	0.3	0	0	
57	0.0	0	10	
58	0.3	15	40	
59	0.0	13	0	
Median	0.0	0	0	

Client ID: 2584 Order ID: 220975

Prepared for: Craig Johnson Farm Name: Pederson Farm

Field Name: 4

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 Darry

Mowers Soil Testing Plus, Inc. Toulon, IL 61483-0540

(309)286-2761

Customer: Craig Johnson Field: PF14_08 (#30194) Description: Pederson Farm_Field 1-4 Acres: 232.1 # of Samples: 59

County: Boone Township: Caledonia Range: 3 E Section: 28,29 Date Tested: 07/22/2008

1 inch = 1031 feet

