AgSource Laboratories
A Subsidiary of Cooperative Resources International

106 N. Cecil Street
Bonduel, WI 54107
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Soil Analysis

Submitted By: **BN02639**
KARL HAUSNER
E7296 COUNTY RD B
SPRING GREEN, WI 53588

Submitted For:
Karl Hausner Farms LLC
E8985 Hwy B
Sauk City WI 53583

Laboratory Sample #
AX83258 - AX83321

Date Received: **10/31/2016**
Date Processed: **11/01/2016**
Information Sheet # **783026**

County: Sauk
Account No: BN02639
Field: IC 1
Acres: 45.1
Soil Name/Subsoil group: Boguscreek
Plow Depth: 7.00
Previous Crop:
Slope:
Irrigated: No
Tiled: No

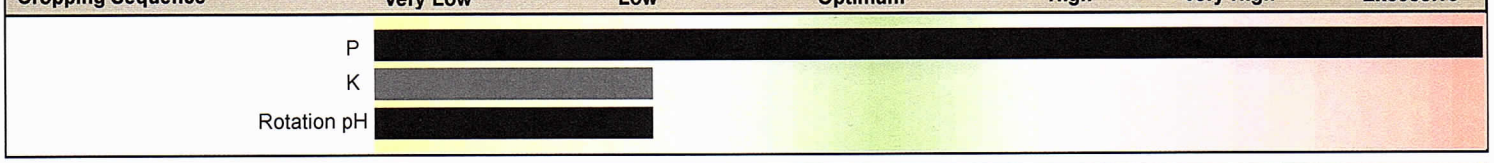
NUTRIENT RECOMMENDATIONS

Cropping Sequence	Yield Goal	Crop Nutrient Need N	Crop Nutrient Need P_2O_5	Crop Nutrient Need K_2O	Fertilizer Credits Legume N	Fertilizer Credits Manure N	Fertilizer Credits P_2O_5	Fertilizer Credits K_2O	Nutrients to Apply N	Nutrients to Apply P_2O_5	Nutrients to Apply K_2O
	- per acre -	--------- lbs/a ---------			--- lbs/a ----	--------- lbs/a ---------			--------- lbs/a ---------		
Corn, grain	111-130 bu	***	0	65	0	0	0	0	***	0	65
Oats, grain + straw	61-90 bu	60	0	140	0	0	0	0	60	0	140
Alfalfa, established	4.6-5.5 ton	0	0	340	0	0	0	0	0	0	340
Alfalfa, established	4.6-5.5 ton	0	0	340	0	0	0	0	0	0	340

The lime required for this rotation to reach pH 6.8 is 5 T/a of 60-69 lime or 4 T/a of 80-89 lime.

*** Please use the new Wisconsin Nitrogen Application Rates table to determine the N Application rate. Table included at end of report.

TEST INTERPRETATION



LABORATORY ANALYSIS / LAB USE / MISC

Sample ID	Soil pH	O.M. %	Phosphorus PPM	Potassium PPM	60-69 Lime Req T/a	Calcium PPM	Magnesium PPM	Boron PPM	Manganese PPM	Zinc PPM	Sulfate Sulfur	Sulfur Avail Index	Texture Code	Sample Density	Buffer Code	Total CEC	% Base Saturation %K	%Ca	%Mg	Tot %	%H
Adjusted Avg:	5.5	1.7	63	103																	
01	5.1	1.0	53	99	4.0								1	1.29	6.7						
02	5.7	1.5	44	84	4.1								1	1.20	6.9						
03	5.8	2.5	38	91	6.5								2	1.00	6.9						
04	5.8	2.1	72	116	5.4								2	1.09	6.8						
05	5.6	1.5	77	107	4.1								1	1.27	6.9						
06	6.2	2.0	170	166	2.5								2	1.12	7.1						
07	5.6	1.5	49	104	4.5								1	1.17	7.0						
08	5.2	1.4	48	97	5.9								1	1.13	6.7						
09	5.3	1.6	55	90	6.4								1	1.11	6.7						
10	4.9	1.4	25	77	7.2								1	1.09	6.6						

ADDITIONAL INFORMATION

A lime recommendation is calculated only when soil pH is more than 0.2 units below the optimum pH. Starter fertilizer (e.g. 10 + 20 + 20 lbs N + P_2O_5 + K_2O/a) is advisable for row crops on soils slow to warm in the spring.
A soil nitrate test may better estimate actual corn N needs. If conservative tillage leaves more than 50% residue cover when corn follows after corn, add an additional 30 N lb/a.

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SPRING GREEN, WI 53588

Submitted For:
Karl Hausner Farms LLC
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Sauk City WI 53583

Laboratory Sample #
AX83258 - AX83321

Date Received: **10/31/2016**
Date Processed: **11/01/2016**
Information Sheet # **783026**

County: Sauk
Account No: BN02639
Field: IC 3
Acres: 4.7
Soil Name/Subsoil group: Norden
Plow Depth: 7.00
Previous Crop:
Slope:
Irrigated: No
Tiled: No

NUTRIENT RECOMMENDATIONS

Cropping Sequence	Yield Goal	Crop Nutrient Need N	Crop Nutrient Need P_2O_5	Crop Nutrient Need K_2O	Fertilizer Credits Legume N	Fertilizer Credits Manure N	Fertilizer Credits P_2O_5	Fertilizer Credits K_2O	Nutrients to Apply N	Nutrients to Apply P_2O_5	Nutrients to Apply K_2O
	- per acre -	--------- lbs/a ---------			--- lbs/a ----	--------- lbs/a ---------			--------- lbs/a ---------		
Corn, grain	111-130 bu	***	75	80	0	0	0	0	***	75	80
Oats, grain + straw	61-90 bu	60	70	155	0	0	0	0	60	70	155
Alfalfa, established	4.6-5.5 ton	0	95	355	0	0	0	0	0	95	355
Alfalfa, established	4.6-5.5 ton	0	95	355	0	0	0	0	0	95	355

The lime required for this rotation to reach pH 6.8 is 5 T/a of 60-69 lime or 4 T/a of 80-89 lime.

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TEST INTERPRETATION

LABORATORY ANALYSIS / LAB USE / MISC

Sample ID	Soil pH	O.M. %	Phosphorus PPM	Potassium PPM	60-69 Lime Req T/a	Calcium PPM	Magnesium PPM	Boron PPM	Manganese PPM	Zinc PPM	Sulfate Sulfur	Sulfur Avail Index	Texture Code	Sample Density	Buffer Code	Total CEC	% Base Saturation %K	%Ca	%Mg	Tot %	%H
Adjusted Avg:	5.7	1.9	16	66																	
11	5.7	1.9	16	66	5.4								1	1.04	6.8						

ADDITIONAL INFORMATION

A lime recommendation is calculated only when soil pH is more than 0.2 units below the optimum pH. Starter fertilizer (e.g. 10 + 20 + 20 lbs N + P_2O_5 + K_2O/a) is advisable for row crops on soils slow to warm in the spring.
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