Report No.
F12300-4025
Account No.
71096

A & L GREAT LAKES LABORATORIES, INC.

3505 Conestoga Drive • Fort Wayne, IN 46808 • Phone 260-483-4759 • Fax 260-483-5274
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QUALITY ANALYSES FOR INFORMED DECISIONS

To: PRECISION CROP SERVICES
2417 STOCKTON ROAD
STEVENS POINT, WI 54482-9127

For: WYSOCKI PRODUCE

Field: S25
Acres:
Soil: PLAINFIELD

Attn: PHIL BENDER

County: WOOD

Plow Depth: 7

Date Received: 10/25/2012 **Date Reported:** 10/30/2012

SOIL TEST REPORT

WI DATCP Laboratory Certification Number 01-15-03-201

Wisoil-RES

Sample ID	Lab Number	OM * %	P * ppm	K * ppm	Mg ppm	Ca ppm	Soil * pH	Buffer * pH	CEC** meq/100g	Cation Saturation ** %K	%Mg	%Ca	%H	S ppm	Zn ppm	Mn ppm	Fe ppm	Cu ppm	B ppm	Bicarb-P ppm	NO3-N ppm**
1	17923	1.5	25	22			4.7	6.4													
2	17924	1.4	17	14			5.1	6.6													
3	17925	2.1	9	30			5.6	6.8													
4	17926	2.5	13	25			5.2	6.5													
5	17927	1.3	44	51			5.4	6.8													
6	17928	1.7	13	29			5.2	6.6													
7	17929	1.5	34	20			5.2	6.7													
8	17930	1.5	13	22			5.0	6.6													
9	17931	2.1	6	29			5.0	6.4													
10	17932	1.6	34	34			5.1	6.6													
11	17933	2.4	12	19			5.5	6.7													
12	17934	2.1	9	42			5.3	6.7													
13	17935	2.2	12	26			4.9	6.4													
14	17936	2.9	22	25			5.2	6.5													
15	17937	1.5	30	22			5.0	6.7													
16	17938	1.7	17	33			5.2	6.7													

* Soil Test Recommendations for Field, Vegetable and Fruit Crops, UW A2809, 1998. ** Recommended Chemical Soil Test Procedures for the North Central Region, NCR No. 221, 1998. ^ Weighted average, UW-A2809.

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17	17939	1.6	9	37			5.3	6.6													
18	17940	2.3	7	23			5.3	6.7													
Average		1.9	16^	27^			5.2														

* Soil Test Recommendations for Field, Vegetable and Fruit Crops, UW A2809, 1998. ** Recommended Chemical Soil Test Procedures for the North Central Region, NCR No. 221, 1998. ^ Weighted average, UW-A2809.

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SOIL TEST REPORT
(UW RECOMMENDATIONS)

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For: WYSOCKI PRODUCE

A & L Great Lakes Laboratories, Inc.
3505 Conestoga Drive
Fort Wayne, IN 46808-4413
260-483-4759 Fax 260-483-5274

Field
S25
County
Wood
Soil Name (or subsoil group)
Plainfield
Acres **Plow Depth**
7

NUTRIENT RECOMMENDATIONS

Cropping Sequence	Yield Goal	Crop Nutrient Need N	Crop Nutrient Need P2O5	Crop Nutrient Need K2O	Fertilizer Credit Legume N	Fertilizer Credit Manure N	Fertilizer Credit P2O5	Fertilizer Credit K2O	Nutrients to Apply N	Nutrients to Apply P2O5	Nutrients to Apply K2O
	------ per acre ------	---------- lbs/acre ----------			lbs/acre	---------- lbs/acre ----------			---------- lbs/acre ----------		
Corn, grain	191-220 bu	see below	110	105	0	0	0	0	200	110	105
Corn, sweet	8.1-10 ton	150	70	105	0	0	0	0	150	70	105
Potato	451-550 cwt	220	155	305	0	0	0	0	220	155	305
Alfalfa, established	7.6-8.5 ton	0	145	530	0	0	0	0	0	145	530

The lime required for this rotation to reach pH 6.0 is 3 T/a of 60-69 lime or 2.3 T/a of 80-89 lime.

SUGGESTED N APPLICATION RATES (LB/A) FOR CORN (GRAIN) AT DIFFERENT N:CORN PRICE RATIOS[2]

Soil Yield Potential	Previous Crop	N:Corn Price Ratio ($/lb N:$/bu) 0.05 Rate[3]	0.05 Range[4]	0.10 Rate	0.10 Range	0.15 Rate	0.15 Range	0.20 Rate	0.20 Range
Sands & Loamy Sands	Irrigated - all crops	**215**	205-225	**205**	195-215	**195**	180-205	**180**	170-195
	Non-irrigated - all crops	**140**	130-150	**130**	120-140	**120**	110-130	**110**	100-120

1 To determine soil yield potential, consult UWEX publication A2809 or contact your county agent or agronomist.
2 Includes N in starter
3 Maximum return to N (MRTN) rate.
4 Profitability range within $1/A of MRTN rate.
5 Subtract N credit for forage legumes, legume vegetables, animal manures, green manures.
6 Subtract credits for animal manures and second year forage legumes.

ADDITIONAL INFORMATION

The lime required for this rotation to reach pH 6.0 is 3 T/a of 60-69 lime or 2.3 T/a of 80-89 lime.
Recommended soil pH for scab-susceptible potatoes is 5.2. No lime is recommended for this crop.
Some parts of this field are more acid and may require additional lime.
If lime has been applied in the last two years, more lime may not be needed due to incomplete reaction.
Recommended rates are the total amount of nutrients to apply (N-P-K), including starter fertilizer.
This field is irrigated. Fertilizer recommendations for irrigated fields made for top yield potentials. Retest every 2 years.
Retest fields used for these high value crops every 2 years.
Because of the low potassium buffering capacity of this soil, retest every 2 years.
Year 1: If corn is harvested for silage instead of grain add extra 30 lbs P2O5 per acre and 90 lbs K2O per acre to next crop.
Starter fertilizer (e.g. 10+20+20 lbs N+P2O5+K2O/a) is advisable for row crops on soils slow to warm in the spring.
If alfalfa will be maintained for more than three years, increase recommended K2O by 20% each year.
If residue cover is greater than 50% at the time of planting sweet corn following grain corn, increase N application rate by 30 lb N/a.

TEST INTERPRETATION

Cropping Sequence	Very Low	Low	Optimum	High	Very High	Excessive
Corn, grain	PPPPPP KKKKKK					
Corn, sweet	PPPPPP KKKKKK					
Potato	PPPPPP KKKKKK					
Alfalfa, established	PPPPPP KKKKKK					
Rotation pH	XXXXXXXXXXXXXXXXXX					

LABORATORY ANALYSIS SUMMARY / **LAB USE**

Sample Identification	Lab Number	Soil pH	O.M. %	Phosphorus ppm	Potassium ppm	Calcium ppm	Magnesium ppm	Estimated CEC	Boron ppm	Manganese ppm	Zinc ppm	Sulfate-S ppm	Sulfur Avail. Index	Texture Code	Sample Density	Buffer Code
Adjusted Avg.		5.2	1.9	16	27									2	5.4	6.4

Recommendations based on A2809 Soil Test Recommendations for Field, Vegetable, and Fruit Crops.

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SECONDARY AND MICRONUTRIENT RECOMMENDATIONS

Interpretations ———————— >

Recommendations based on A2809 Soil Test Recommendations for Field, Vegetable, and Fruit Crops.