



"Every acre...Every year®"

SOIL ANALYSIS

Client :		Report No: 19-322-0881
		Cust No:
		Date Printed: 11/19/2019
		Date Received : 11/18/2019
		PO:
		Page : 1 of 3
Farm:		

Lab No: 58904

Field:

Sample ID: 1

Test	Method	Results	SOIL TEST RATINGS					Calculated Cation Exchange Capacity
			Very Low	Low	Medium	Optimum	Very High	
Soil pH	1:1	6.7						6.4 meq/100g
Buffer pH								%Saturation
Phosphorus (P)	M3	42 LB/ACRE						%sat meq
Potassium (K)	M3	144 LB/ACRE						K 2.9 0.2
Calcium (Ca)	M3	2150 LB/ACRE						Ca 84.0 5.4
Magnesium (Mg)	M3	136 LB/ACRE						Mg 8.9 0.6
Sulfur (S)								H 4.7 0.3
Boron (B)								
Copper (Cu)								
Iron (Fe)								K/Mg Ratio: 0.33
Manganese (Mn)								Ca/Mg Ratio: 9.44
Zinc (Zn)								
Sodium (Na)								
Soluble Salts								
Organic Matter	LOI	2.5% ENR 94						
Nitrate Nitrogen								

SOIL FERTILITY GUIDELINES

Crop : Corn

Yield Goal : 200 bu/acre

Rec Units: LB/ACRE

(lbs)	LIME	(tons)	N	P ₂ O ₅	K ₂ O	Mg	S	B	Cu	Mn	Zn	Fe
0		0	244	101	132	0						

Crop : Soybeans

Yield Goal : 60 bu/acre

Rec Units: LB/ACRE

(lbs)	LIME	(tons)	N	P ₂ O ₅	K ₂ O	Mg	S	B	Cu	Mn	Zn	Fe
0		0	0	74	113	0						

Comments :

Corn

- Greater N efficiency for corn may be achieved by splitting the N application. Apply 1/4 to 1/3 of the N prior to or at planting and the remainder as sidedress when corn is 8-24 inches high.
- For early planted corn or no till corn, apply a starter fertilizer at least 2 inches from the seed at a rate of 10-20 lbs N/Acre and 30-60 lbs P₂O₅/Acre.

Soybeans

- For soybeans on soils with a pH of 6.2 or less, apply limestone as recommended and plant seed treated with molybdenum. Apply 1-2 oz of sodium molybdate (0.4-0.8 oz of elemental molybdenum) per acre as a seed treatment.



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Farm:		

Lab No: 58905

Field:

Sample ID: 2

Test	Method	Results	SOIL TEST RATINGS					Calculated Cation Exchange Capacity		
			Very Low	Low	Medium	Optimum	Very High	%sat	meq	
Soil pH	1:1	6.2						6.7 meq/100g		
Buffer pH	SMP	6.85						%Saturation		
Phosphorus (P)	M3	30 LB/ACRE						K	3.0	0.2
Potassium (K)	M3	158 LB/ACRE						Ca	77.2	5.2
Calcium (Ca)	M3	2070 LB/ACRE						Mg	8.3	0.6
Magnesium (Mg)	M3	134 LB/ACRE						H	11.9	0.8
Sulfur (S)								K/Mg Ratio: 0.36		
Boron (B)								Ca/Mg Ratio: 9.30		
Copper (Cu)										
Iron (Fe)										
Manganese (Mn)										
Zinc (Zn)										
Sodium (Na)										
Soluble Salts										
Organic Matter	LOI	2.5% ENR 94								
Nitrate Nitrogen										

SOIL FERTILITY GUIDELINES

Crop : Corn **Yield Goal :** 200 bu/acre **Rec Units:** LB/ACRE

(lbs)	LIME	(tons)	N	P ₂ O ₅	K ₂ O	Mg	S	B	Cu	Mn	Zn	Fe
1776		0.9	244	113	127	0						

Crop : Soybeans **Yield Goal :** 60 bu/acre **Rec Units:** LB/ACRE

1776		0.9	0	86	109	0						
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Comments :

Corn

Limestone application is targeted to bring soil pH to 6.5.

- Greater N efficiency for corn may be achieved by splitting the N application. Apply 1/4 to 1/3 of the N prior to or at planting and the remainder as sidedress when corn is 8-24 inches high.
- For early planted corn or no till corn, apply a starter fertilizer at least 2 inches from the seed at a rate of 10-20 lbs N/Acre and 30-60 lbs P₂O₅/Acre.

Soybeans

Limestone application is targeted to bring soil pH to 6.5.

- For soybeans on soils with a pH of 6.2 or less, apply limestone as recommended and plant seed treated with molybdenum. Apply 1-2 oz of sodium molybdate (0.4-0.8 oz of elemental molybdenum) per acre as a seed treatment.

