



## SOIL ANALYSIS

Client :	Grower :	Report No: 18-002-0559
		Cust No: 99999
		Date Printed: 01/03/2018
		Date Received : 01/02/2018
		PO:
		Page : 1 of 3

Lab Number : 57394

Field Id :

Sample Id : Fuse 2

Test	Method	Results	SOIL TEST RATINGS					Calculated Cation Exchange Capacity
			Very Low	Low	Medium	Optimum	Very High	
Soil pH	S1:1	5.7						12.2 meq/100g
Buffer pH	WBF	6.67						%Saturation
Phosphorus (P)	M3	30 ppm						%sat meq
Potassium (K)	M3	102 ppm						K 2.1 0.3
Calcium (Ca)	M3	1470 ppm						Ca 60.2 7.4
Magnesium (Mg)	M3	234 ppm						Mg 16.0 2.0
Sulfur (S)	M3	27 ppm						H 21.3 2.6
Boron (B)	M3	0.5 ppm						Na 0.6 0.1
Copper (Cu)	M3	1.8 ppm						
Iron (Fe)	M3	486 ppm						K/Mg Ratio: 0.13
Manganese (Mn)	M3	32 ppm						Ca/Mg Ratio: 3.76
Zinc (Zn)	M3	4.9 ppm						
Sodium (Na)	M3	17 ppm						
Soluble Salts								
Organic Matter	LOI	2.0 % ENR 84						
Nitrate Nitrogen								

### SOIL FERTILITY GUIDELINES Prev Crop : Rice

Crop : Soybeans

Yield Goal : 70 bu/acre

Rec Units: LB/ACRE

(lbs)	LIME	(tons)	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	Mg	S	B	Cu	Mn	Zn	Fe
706*			0	46	132	0	0	0.5	0	2	0	

Crop : Corn

Yield Goal : 200 bu/acre

Rec Units: LB/ACRE

(lbs)	LIME	(tons)	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	Mg	S	B	Cu	Mn	Zn	Fe
706*			244	87	130	0	0	1.0	0	2	0	

Comments :

\* Denotes ENM requirement.

#### 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.

#### 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 P<sub>2</sub>O<sub>5</sub>/Acre.

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Field Id :

Sample Id : Lost 40

Test	Method	Results	SOIL TEST RATINGS					Calculated Cation Exchange Capacity
			Very Low	Low	Medium	Optimum	Very High	
Soil pH	S1:1	5.9						12.8 meq/100g
Buffer pH	WBF	6.71						%Saturation
Phosphorus (P)	M3	32 ppm						%sat meq
Potassium (K)	M3	94 ppm						K 1.9 0.2
Calcium (Ca)	M3	1466 ppm						Ca 57.3 7.3
Magnesium (Mg)	M3	352 ppm						Mg 22.9 2.9
Sulfur (S)	M3	13 ppm						H 17.2 2.2
Boron (B)	M3	0.5 ppm						Na 1.1 0.1
Copper (Cu)	M3	1.5 ppm						
Iron (Fe)	M3	575 ppm						K/Mg Ratio: 0.08
Manganese (Mn)	M3	67 ppm						Ca/Mg Ratio: 2.50
Zinc (Zn)	M3	2.6 ppm						
Sodium (Na)	M3	33 ppm						
Soluble Salts								
Organic Matter	LOI	2.3 % ENR 90						
Nitrate Nitrogen								

### SOIL FERTILITY GUIDELINES Prev Crop : Rice

Crop : Soybeans

Yield Goal : 70 bu/acre

Rec Units: LB/ACRE

(lbs)	LIME	(tons)	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	Mg	S	B	Cu	Mn	Zn	Fe
529*			0	46	136	0	13	0.5	0	0	0	

Crop : Corn

Yield Goal : 200 bu/acre

Rec Units: LB/ACRE

(lbs)	LIME	(tons)	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	Mg	S	B	Cu	Mn	Zn	Fe
529*			244	85	135	0	10	1.0	0	0	2.0	

Comments :

\* Denotes ENM requirement.

#### 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.

#### 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 P<sub>2</sub>O<sub>5</sub>/Acre.

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Test	Method	Results	SOIL TEST RATINGS					Calculated Cation Exchange Capacity
			Very Low	Low	Medium	Optimum	Very High	
Soil pH	S1:1	6.0						10.8 meq/100g
Buffer pH	WBF	6.77						
Phosphorus (P)	M3	30 ppm						%Saturation
Potassium (K)	M3	74 ppm						%sat meq
Calcium (Ca)	M3	1254 ppm						K 1.8 0.2
Magnesium (Mg)	M3	309 ppm						Ca 58.1 6.3
Sulfur (S)	M3	10 ppm						Mg 23.8 2.6
Boron (B)	M3	0.5 ppm						H 14.8 1.6
Copper (Cu)	M3	1.6 ppm						Na 1.2 0.1
Iron (Fe)	M3	490 ppm						K/Mg Ratio: 0.07
Manganese (Mn)	M3	95 ppm						Ca/Mg Ratio: 2.44
Zinc (Zn)	M3	2.2 ppm						
Sodium (Na)	M3	31 ppm						
Soluble Salts								
Organic Matter	LOI	2.2 % ENR 88						
Nitrate Nitrogen								

### SOIL FERTILITY GUIDELINES Prev Crop : Rice

Crop : Soybeans

Yield Goal : 70 bu/acre

Rec Units: LB/ACRE

(lbs)	LIME	(tons)	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	Mg	S	B	Cu	Mn	Zn	Fe
353*			0	46	147	0	15	0.5	0	0	0	

Crop : Corn

Yield Goal : 200 bu/acre

Rec Units: LB/ACRE

(lbs)	LIME	(tons)	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	Mg	S	B	Cu	Mn	Zn	Fe
353*			244	87	145	0	11	1.0	0	0	2.3	

Comments :

\* Denotes ENM requirement.

#### 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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