



"Every acre...Every year®"

SOIL ANALYSIS

Client :		Report No: 18-086-1405
		Cust No: 99999
		Date Printed: 03/28/2018
		Date Received : 03/27/2018
		PO:
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Farm:		

Lab Number : 68872

Field Id : Bay

Sample Id : 5

Test	Method	Results	SOIL TEST RATINGS					Calculated Cation Exchange Capacity
			Very Low	Low	Medium	Optimum	Very High	
Soil pH	S1:1	5.9						9.6 meq/100g
Buffer pH	WBF	6.77						%Saturation
Phosphorus (P)	P1	119 ppm						%sat meq
Potassium (K)	AA	175 ppm						K 4.7 0.4
Calcium (Ca)	AA	1280 ppm						Ca 66.7 6.4
Magnesium (Mg)	AA	130 ppm						Mg 11.3 1.1
Sulfur (S)	M3	10 ppm						H 16.7 1.6
Boron (B)	M3	0.7 ppm						Na 0.4 0
Copper (Cu)	M3	0.9 ppm						
Iron (Fe)	M3	217 ppm						K/Mg Ratio: 0.41
Manganese (Mn)	M3	38 ppm						Ca/Mg Ratio: 5.90
Zinc (Zn)	M3	6.6 ppm						
Sodium (Na)	AA	8 ppm						
Soluble Salts								
Organic Matter	LOI	3.5% ENR 114						
Nitrate Nitrogen								
Phosphorus (P)	M3	97 ppm						

SOIL FERTILITY GUIDELINES

Crop : Corn- No till

Yield Goal : 250 bu/acre

Rec Units: LB/ACRE

(lbs)	LIME	(tons)	N	P ₂ O ₅	K ₂ O	Mg	S	B	Cu	Mn	Zn	Fe
385*			305	0	40	0	11	0.6	0	2	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
385*			0	0	34	0	15	0	0	2	0	

Comments :

Analysis and fertility recommendations shown on this report are performed in accordance within Missouri Soil Testing Association (MSTA) guidelines.

Corn- No till

- 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.
- If N is supplied to corn through the irrigation system, make 3-4 equal applications at 7-10 day intervals, beginning at the 6th leaf stage.

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.