

Report Number: C14232-10048  
 Account Number: 00980

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C14232-10048



To: EMERGE AG SOLUTIONS  
 HWY 44 WEST  
 ESTON, SK S0L 1A0

For: Sample Farm

Field: SE-14-25-23

Attn: PAT TONER  
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Reported Date: 2014-08-22 Printed Date: 2014-08-22

## SOIL TEST REPORT

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Sample Number	Legal Land Descpt:	Depth	Lab Number	Organic Matter	Phosphorus - P ppm Bicarb	Phosphorus - P ppm Bray-P1	Potassium K ppm	Magnesium Mg ppm	Calcium Ca ppm	pH	CEC meq/100g	Percent Base Saturations			
										Buffer	% K	% Mg	% Ca	% H	% Na
SE-14-A		6	26630	3.5	5	6	476	830	5590	7.8	36.1	3.4	19.1	77.4	0.4
SE-14-B		12	26631	3.2			315	945	5920	7.9	38.4	2.1	20.5	77.2	0.5

Sample Number	Sulfur ppm	Nitrate Nitrogen ppm	Zinc Zn ppm	Manganese Mn ppm	Iron Fe ppm	Copper Cu ppm	Boron B ppm	Molybdenum Mo ppm	Soluble Salts mmhos/cm	Saturation %P	Aluminum Al ppm	Saturation %Al	K/Mg Ratio	NH4N ppm	ENR	Chloride Cl ppm	Sodium Na ppm
SE-14-A	11	12	1.6	72	36	2.4	0.8		0.4		520	0.0	0.18	9	47	18	31
SE-14-B	12	8											0.10		44		40

Fallow Slated for Winter Wheat. 60 Bushel Yield Goal is Achievable, But needs lots of Water. (Another 15 inches MINIMUM from now until Late July 2015), But Starter Moisture is very good.

The "calculated" Nitrogen Requirement is 44.5 lbs. In this case, 28lbs is recommended to be applied as a seed-placed component. A Safe and reasonable Dose for coarse grains in terms of Urea usage. Further surface applications could be considered if Conditions are good, and this yield goal is within reach, say April or May of Next year. Agrotain could be considered as an additive next spring, for the purpose of Mitigating potential (Ammonia) Losses, especially with Broadcast Urea in the warming season.

Crop is looking for 28 pounds Phosphorous. We have the Ability to do this, but are at a top end of Salt Index Constraints. If we can create some acid in the Fertilizer row by using acidic fertilizer like sulphur, it will assure proper maturity. (Bring pH Down in the rooting zone, and free up Existing soil Nutrition).

Two out of five indicators suggest a Potassium Chloride response. Let's apply this 10 pounds while we can.

Sulphur is always a good idea. A great Soil Physics Tool. Use a Blend of Elemental and Sulphate.. Tiger 90 is very Acidic. Of the 10 pound recommendation, 7.5 is elemental.

Micronutrients could Warrant some attention. Zinc should be put to work here, Ideally in the blend. Herbicide and Fungicide season are an opportunity to correct imbalances in-season by adding foliar nutrition products,



Field	Prev crop	New crop	Yield goal				
SE-14-25-23	Fallow	Winter Wheat	60				
Recommendations in Pounds per acre							
	N	P	K	S (Zn)	(Cu)	(Bo)	(Mn)
Calculated Recomm.	44.5	27.5	10.0	2.0	1.0		
Seed Placed	28.0	28.0	10.0	10.0	2.0		
Surface applied	20.0						
Dribble Band							
Foliar Applied						1	