



Down To Earth Labs Inc.

The Science of Higher Yields

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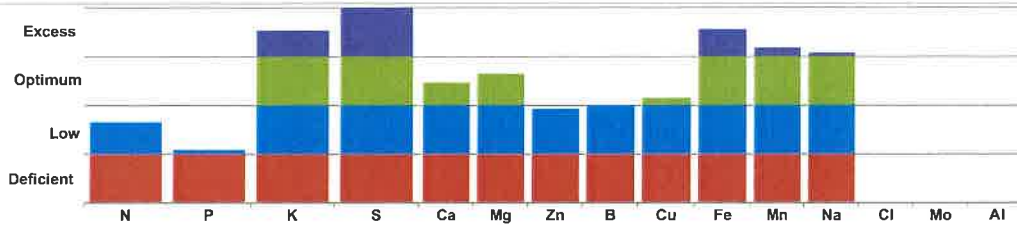
Report #: 67110
Report Date: 4/24/2019
Received: 4/18/2019
Completed: 4/24/2019
Test Package: SF14

Project:
Grower: Brown Family Grains
Farm:
Field: NE 5-10-20 W2
H₂O Mgmt: Dryland

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Soil Nutrients																
Lab ID	Depth	Macros			Secondary			Micros								
		NO3-N lbs/ac	P lbs/ac	K lbs/ac	SO4-S lbs/ac	Ca ppm	Mg ppm	Zn ppm	B ppm	Cu ppm	Fe ppm	Mn ppm	Na ppm	Cl ppm	Mo ppm	Al ppm
190418N013	0-6	27	27	1082	89	2477	670	1.9	0.8	1.6	60.2	22.3	250.5			
190418N014	6-12	23			> 400											

Available Total 50 27 1082 > 489 2477 670 1.9 0.8 1.6 60.2 22.3 250.5



Soil Characteristics														
Lab ID	Depth	OM %	Estimated N Release lbs/ac	pH 1:1	Sol Salts 1:1 dS/m	Lime Req. tonne/ha	% Base Saturation					ECEC	K/Mg Ratio	
							Ca	K	Mg	Na	H	Total		
190418N013	0-6	3.5	39	7.1	0.9	0	60.8	6.8	27.1	5.4	0	100	20.3	0.25
190418N014	6-12			7.4	3.1									

Soil Texture Characteristics						
Lab ID	Customer Sample ID	Texture Class	Sand %	Silt %	Clay %	CEC meq/100g
190418N013						
190418N014						

Laboratory Guidelines											
Crop	Yield	Units	N lbs/acre	P ₂ O ₅ lbs/acre	K ₂ O lbs/acre	S lbs/acre	Zn lbs/acre	B lbs/acre	Cu lbs/acre	Fe lbs/acre	Mn lbs/acre

Notes:

Down to Earth Labs Ltd. Laboratory Fertilizer Guidelines are determined by subtracting the sum of the test results from the crop requirements as determined by Alberta Agriculture. Subtract nitrogen credits for legume crops from the guidelines if applicable. Estimated nitrogen release from organic matter is not considered in these guidelines. Subtract out estimated remaining fertilizer in soil depths not tested through the root zone. Starter fertilizers may be needed in the seed bed to assist seed development. Consult your Agronomist or Crop Advisor for a comprehensive analysis of your soil results for determining fertilizer applications. Lime Requirements are based on a tillage depth of 6" and are estimated based on lime with an ag index of 75. Adjust lime amount according to farming practices. ECEC = Estimated Cation Exchange Capacity, Total %BS = Estimated Total % Base Saturation. BDL = Below Detection Limit. These results are not an endorsement of sampling methods.