



Down To Earth Labs Inc.

The Science of Higher Yields

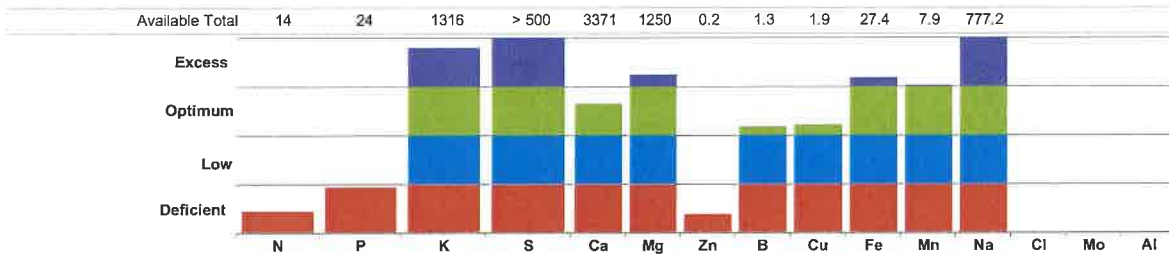
Nutrien Ag Solutions
Weyburn
Box 278
Weyburn, SK S4H 2K1

Report #: 95351
Report Date: 2020-10-27
Received: 2020-10-20
Completed: 2020-10-27
Test Package: SF8

Project:
Grower: Brown Family Grains
Farm:
Field: NE 6-10-20 W2
H₂O Mgmt: Dryland

3510 6th Ave North
Lethbridge, AB T1H 5C3
403-328-1133
www.downtoearthlabs.com
info@downtoearthlabs.com

Soil Nutrients																
Lab ID	Depth	Macros			Secondary			Micros								
		NO ₃ -N lbs/ac	P lbs/ac	K lbs/ac	SO ₄ -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
201020O002	0-12	14	24	1316	> 500	3371	1250	0.2	1.3	1.9	27.4	7.9	777.2			



Soil Characteristics														ECEC	K/Mg Ratio
Lab ID	Depth	OM %	Estimated N Release lbs/ac	pH 1:1	Sol Salts 1:1 dS/m	Lime Req tonne/ha	Ca	K	Mg	Na	H	Total			
201020O002	0-12	2.6	29	7.3	2.2	0	53.7	2.7	32.8	10.8	0	100	31.3	0.08	

Soil Texture Characteristics						
Lab ID	Customer Sample ID	Texture Class	Sand %	Silt %	Clay %	CEC meq/100g
201020O002						

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	
Flax	30	Bushels	80	25	0	0	5	0	0	0	0	
Peas, Field	50	Bushels	20	35	0	0	5	0	0	0	0	
Canary Seed	40	Bushels	80	35	0	0	5	0	0	0	0	
Canola, Commercial	50	Bushels	140	35	0	0	5	0	0	0	0	
Lentils	30	Bushels	10	35	0	0	5	0	0	0	0	

Notes: N rate is for canary seed following stubble. Reduce N by 35# if following grass or legume breaking.

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 %S = Estimated Total % Base Saturation. BDL = Below Detection Limit. These results are not an endorsement of sampling methods.



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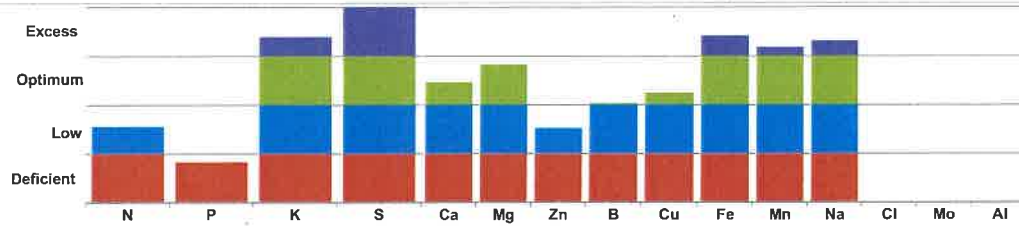
Nutrien Ag Solutions
Weyburn
Box 278
Weyburn, SK S4H 2K1

Report #: 67116
Report Date: 4/24/2019
Received: 4/18/2019
Completed: 4/24/2019
Test Package: SF14

Project:
Grower: Brown Family Grains
Farm:
Field: NE 6-10-20 W2
H₂O Mgmt: Dryland

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Soil Nutrients																
Lab ID	Depth	Macros			Secondary			Micros								
		NO ₃ -N lbs/ac	P lbs/ac	K lbs/ac	SO ₄ -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
190418N025	0-6	24	21	960	59	2459	840	1.3	0.9	2	47.5	22	314.6			
190418N026	6-12	23			> 400											
Available Total		47	21	960	> 459	2459	840	1.3	0.9	2	47.5	22	314.6			



Soil Characteristics														
Lab ID	Depth	OM	Estimated N Release	pH 1:1	Sol Salts 1:1	Lime Req	% Base Saturation					ECEC	K/Mg Ratio	
		%	lbs/ac	-	dS/m	tonne/ha	Ca	K	Mg	Na	H	Total	-	-
190418N025	0-6	3.1	35	7.3	0.8	0	56.3	5.6	31.7	6.3	0	100	21.8	0.18
190418N026	6-12			7.7	2.1									

Soil Texture Characteristics						
Lab ID	Customer	Texture	Sand	Silt	Clay	CEC
	Sample ID	Class	%	%	%	meq/100g
190418N025						
190418N026						

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

Notes:

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