

Dr. Howell  
Oct 2016

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Sample Number	Lab Number	Organic Matter	Phosphorus - Bicarb	P ppm Mel-III	Potassium K ppm	Magnesium Mg ppm	Calcium Ca ppm	Sodium Na ppm	pH		CEC meq/100g	Percent Base Saturations				
									Buffer	pH		% K	% Mg	% Ca	% H	% Na
D391A	18253	5.4	118 H	455	552 VH	320 M	2920 M	31 L	7.0	21.6	6.6	12.3	67.6	12.9	0.6	
D391B	18254	2.7	86 H	317	568 VH	325 M	2590 M	31 M	7.1	18.9	7.7	14.3	68.4	8.9	0.7	
D391C	18255	1.3	39 M	104	369 VH	345 H	2040 M	28 M	7.4	14.1	6.7	20.4	72.3		0.9	
D391D	18256	0.6	23 L	42	248 VH	215 H	1220 M	26 H	7.6	8.6	7.4	20.8	70.8		1.3	
Sample Number	Sulfur S ppm	Zinc Zn ppm	Manganese Mn ppm	Iron Fe ppm	Copper Cu ppm	Boron B ppm	Soluble Salts ms/cm	Saturation %aP	Aluminum Al ppm	Saturation %Al	Nitrate Nitrogen NO3-N ppm	K/Mg Ratio	ENR	Field ID		
D391A	37 M							85H	537	0.0G	30H	0.54	67		Nthg 8543	
D391B	34 L							51H	626	0.1G	16M	0.54	39			
D391C	16 VL							14H	721	0.1G	5L	0.33	25			
D391D	7 VL							9L	453	0.0G	2VL	0.36	18			

OE VL = VERY LOW, L = LOW, M = MEDIUM, H = HIGH, VH = VERY HIGH, G = GOOD, MA = MARGINAL, MT = MODERATE PHYTO-TOXIC, ST = SEVERE PHYTO-TOXIC

Sample Number	Crop	Yield Goal	Lime Tons/Acre	N	P2O5	K2O	Mg	Ca	S	Zn	Mn	Fe	Cu	B
D391A	Corn Silage Western	24 tons	0.0	188	20	20	10	0	0					

801150

NO <sub>3</sub>		NH <sub>4</sub>	
ppm	kg/ha	ppm	kg/ha
0-15	51.75	8	13.8
15-30	27.6	5	8.6
30-60	17.25	4	<del>13.8</del> 13.8
60-90	6.9	3	10.4
ave = 10	103.5	4.5	46.6
in	high	med	low

\* The method used for all reported elements is by Mellich III extraction.

**The results of this report relate to the sample submitted and analyzed.**

\* Crop yield is influenced by a number of factors in addition to soil fertility.

**No guarantee or warranty concerning crop performance is made by A & L.**

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**Additional information available upon request**

### Results Authorized By:

**Ian McLachlin, Vice President**

Report Number: C16288-10454  
Account Number: 05219

To: EMERALD BAY AG SERVICES  
10 MARYS EMERALD BAY ROAD  
VERNON, BC V1H 2A7

Attn: DOUG MACFARLANE  
250-546-3847

Grower Code: 05219011

For: REGEHR DOUG

Farm: HOME  
Field: 102 OLD FEEDLOT

# A & L Canada Laboratories Inc.

2136 Jetstream Road, London, Ontario, N5V 3P5  
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C16288-10454



DR old feedlot

Oct 2016

Reported Date: 2016-10-18 Printed Date: Oct 27, 2016

## SOIL TEST REPORT

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Sample Number	Lab Number	Organic Matter	Phosphorus - Bicarb	P ppm Mel-III	Potassium K ppm	Magnesium Mg ppm	Calcium Ca ppm	Sodium Na ppm	pH	CEC meq/100g	Percent Base %K	Saturations %Mg	%Ca	%H	%Na
D401A	18257	6.7	285 H	1131	1243 VH	620 H	3280 M	41 M	6.8	6.9	26.1	12.2	19.8	62.9	4.3
D401B	18258	4.7	174 H	695	1356 VH	450 H	2350 M	33 M	6.6	6.9	20.3	17.2	18.5	58.0	5.7
D401C	18259	0.8	72 H	233	1355 VH	295 H	1420 L	40 H	7.3		13.2	26.4	18.7	53.9	1.3
D401D	18260	0.6	65 H	219	1116 VH	360 H	2010 M	27 M	7.4		16.0	17.9	18.8	62.9	0.7
Sample Number	Sulfur S ppm	Zinc Zn ppm	Manganese Mn ppm	Iron Fe ppm	Copper Cu ppm	Boron B ppm	Soluble Salts ms/cm	Saturation %P	Aluminum Al ppm	Saturation %Al	Nitrate Nitrogen NO3-N ppm	K/Mg Ratio	ENR	Field ID	
D401A	51 M							336 H	337	0.0 G	35 H	0.62	80		b
D401B	29 VL							147 H	473	0.1 G	35 H	0.93	60		10
D401C	22 L							33 H	701	0.1 G	14 M	1.41	20		9
D401D	18 VL							42 H	524	0.0 G	15 M	0.95	18		23

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### SOIL FERTILITY GUIDELINES (lbs/ac)

Sample Number	Crop	Yield Goal	Lime Tons/Acre	N	P2O5	K2O	Mg	Ca	S	Zn	Mn	Fe	Cu	B
D401A	Canola	60 bu	0.0	0	20	0	0	0	0					
D401A	Canola build	60 bu	0.0	0	30	35	0	0	0					

BD 1150

0-15 35  
15-30 35  
30-60 14  
60-90 15  
21.3  
222  
13.3  
138

NO3-N ppm  
b/lba  
b  
10  
9  
23  
79.4

Altitude  
ppm  
10.4  
17.2  
31

v. high v. high high high

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Results Authorized By:

Ian McLachlin, Vice President

Additional information available upon request