

# **Bull Evaluation Centre Report**

202106 M & L Cattle Co Bull Group 2 (End of Test) Test Date: 06 Mar 2021 Days on Test: 112

Centre Manager: ROGER MALONEY Start of Test Date: 14 Nov 2020

Phone #: 705-295-6439 End of Test Date: 06 Mar 2021

EMail: malrog64@hotmail.com Pick Up Date:

Address: 2420 JERMYN LINE, R.R. #1, INDIAN RIVER, ON, KOL 2B0

Ration Statement:

Note: 1. Check the information on your BULL(s) to ensure the pedigree, birth date, tattoo, and weaning data is complete and accurate.

- 2. For best results clients need to submit complete herd data with complete weaning weights on all their calves to bioTrack, our Herd Evaluation Service. Calves with incomplete herd data will not receive genetic evaluations nor BIO Economic Indexes. If no data is submitted to BIO, then the calves in the bull evaluation centre will be regarded as UNOFFICIAL. Unofficial calves will not receive genetic evaluations, BIO Economic Indexes nor certificates and may not eligible for awards that are offered from time to time.
- 3. If you have questions on data submission, please contact our office.

## A Guide to BIO's Bull and Heifer Evaluation Reports and BIO's Genetic Evaluations

#### Report Features

- Objectively Compare all animals using our across breed comparisons -ABCs Allows you to compare all the bulls in the group for their genetics, regardless of their breed. Bulls are listed on the report by the tag number.
- Quickly know where an animal ranks for a trait using the percentile ranking. Our percentile rankings range from 1 (lowest) to 99 (highest) tells you how an animal ranks for the trait you're looking at. All animals are ranked for each trait! The rankings compare all animals evaluated over the past 3 years for that trait.

Across breed Percentiles (%AB) allow you to compare purebred, crossbred, and composite animals across breeds.

Within breed Percentiles (%WB) allow you to compare purebred animals within its breed.

Example: A bull or heifer that has a percentile of 99 (99th percentile) is in the top 1% of all animals evaluated for that trait or index; a bull in the 80th percentile is in the top 20%, etc.

Most current genetic evaluations - The Herd Recording traits (CE, BW, WG, MILK) are updated on the 84-day and End-of-test reports, to reflect the added
information of weights taken on test. The End-of-test evaluations use the animal's on-test performance and all related performance data in the database to
calculate the ABC and are therefore the most current evaluations in the industry.

#### Features of BIO's Genetic Evaluations (ABCs) and Economic Indexes

- Genetic Evaluations the most accurate method to express genetic ability of an animal. They are adjusted for environment and can be used to compare animals across herds and evaluation centres.
- ABC Across Breed EPD or Comparison Estimate of how future progeny of an animal are expected to perform in each of the traits. Comparisons can be made within breeds and across breeds. For example, a bull or heifer with a Yearling Gain ABC of +85 will produce progeny that are on average 50 pounds heavier than progeny from a bull with a Yearling Gain ABC of +35.
- Accuracy Measure of the amount of information used to calculate the ABC. Ranges from 1 (least) to 99 (most). Evaluations based on pedigree information only are noted as 'PE' (pedigree estimate).
- BIO\$: This is an index that considers several traits in determining better bulls when mated to average cows and is aiming at efficient lean meat production for a
  market focused on AA carcasses between 775 and 900 pounds. Use the BIO\$ index to identify top prospect bulls and then look at specific ABC's within that group
  for traits that you value in your operation.
- ABCs (Across Breed EPDs) for all animals evaluated by BIO are on a fixed base. The base is a multi-breed average of animals born 1995-1998:

Trait	CE	BW	WG	MILK	PWG	YG	FAT	REA	%IMF	SC	BIO\$
Base	0	0	+30	+15	+20	+50	0	0	0	0	+2000

### Report Definitions and Legend

#### Herd Measurements (BIO believes in Whole Herd Recording)

CE - Calving Ease - The ease or difficulty with which the animal was born. The categories are unassisted (U), easy pull (E), hard pull (H), surgical (S) or malpresentation (M).

BW - Birth weight (lbs) of the animal.

AWW - Adjusted Weaning Weight (Ibs) - The on-farm weaning weight of the animal adjusted to 200 days of age. Adjustments are made for age of dam and sex of calf.

WI - Weaning Index - Within-herd index based on adjusted weaning weight. Use to compare calves in the same pre-weaning management group. A minimum of five calves in a management group is required to receive an index. ET indicates an embryo transplant calf.

#### Test Evaluation Measurements (based on the animal's performance in the evaluation centre)

SOT - Start of Test Weight (lbs)

EOT - End of Test Weight (lbs)

ADG - Average Daily Gain (Ibs/day) - The regressed average daily gain during the animal evaluation period. All monthly weighings are used in determining the adg.

WPDA - Weight Per Day of Age (Ibs/day) - Weight taken at weigh period divided by days of age and includes birth weight.

HH - Hip Height (inches) - Height of the animal over the hip bones at EOT.

FRAME - Frame Score - A 1 to 10 scale calculated using hip height and age, according to Beef Improvement Federation guidelines.

FAT - Backfat (mm) - Measured ultrasonically between the 12th and 13th ribs (grading site) at the end of the test.

REA & AdjREA - Rib Eye Area (square inches) - Measured ultrasonically between the 12th and 13th ribs (grading site) at the end of the test. The AdjREA is adjusted to 365 days of age.

% IMF & Adj%IMF - Percent Intramus cular Fat (Marbling) - Measured ultrasonically between the 12th and 13th ribs (grading site) at the end of test. NR indicates the animal had too little %IMF to measure. Adj %IMF is adjusted to 365 days.

GRADE - %IMF expressed as marbling grade (A, AA or AAA) - PD indicates practically devoid, which is less than 1.86 %IMF. Animals near the border of a category are shown as a combination of the two categories (i.e. A-AA).

SC & AdjSC - Scrotal Circumference (cm) - End of test measure of scrotal circumference. Indication of the semen producing ability of the bull. 'ABN' indicates abnormal testicles (size, shape, injury) and no measurement is taken. AdjSC is adjusted Scrotal circumference and is adjusted to one year of age.

#### Genetic Evaluations - Across Breed EPDS (ABCs)

CE - Calving Ease ABC - is a genetic prediction of the increase (+) or decrease (-) in percent <u>unassisted</u> calvings if the bull is mated with heifers that are an average size and have average calving ability.

BW - Birth Weight ABC (Ibs) - The effect the animal will have on the birth weight of their calves.

WG - Weaning Gain ABC (lbs) - The ability of the animal's calves to grow from birth to weaning.

MILK - Milk/ Mothering ability ABC (Ibs of calf at weaning) - The ability of a animal's daughters to provide their calves with milk and mothering ability.

PWG - Post-Weaning Gain ABC (lbs) - Indicates the ability of an animal's calves to grow from weaning to yearling.

YG - Yearling Gain ABC (lbs) - Indicates the ability of a animal's calves to grow from birth to yearling.

FAT - Backfat thickness ABC (mm) - The ability of a animal's progeny to deposit backfat (finishing ability), adjusted to a common age.

REA - Rib Eye Area ABC (s quare inches) - Predictor of the differences in progeny ribeye area (muscling), adjusted to a common age.

% IMF - Intramus cular Fat ABC (Marbling) - The ability of a animal's progeny to deposit marbling fat, adjusted to a common age.

SC - Scrotal Circumference ABC (cm) - Indicates the ability of a bull to transmit scrotal size to male progeny. It is a partial indicator of daughter's age at puberty.

# **Bull Evaluation EOT Report**

## 202106 M & L Cattle Co Bull Group 2



			Genetic	Evalua	atior	ns (13	Apr 20	21)										,		$\mathbf{X}$
Tag <b>002</b>	<b>H</b> Pen	Tattoo	MLCC 2H			CE	BW	WG		Milk	PWG	Y	G	FAT		REA	%IMF	SC	BIO\$	
HC/Breed Birthdate 2	•	PANY 705-295-6439	%ab ABC A %wb		6 <b>-4</b> 17 21	5 <b>4.1</b> 48 18	57 <b>43</b> 3 40	7	24 <b>19</b> 7 53	61 <b>35</b> 42 39	61 <b>78</b> 39	40	13 <b>46</b> 27	46	73 . <b>41</b> 40 53	54 . <b>12</b> 40 93	8 81 59 3	28 <b>2902</b> 23		
	M&L PERFORMER M&L PERFORMER ( M&L MS JEZABEL 2 JEZABEL	68E		CE	BW 102	AWW 663	WI 102	SOT 636	EOT 1005	ADG 3.19		HH 50.5	Frame 6.4		REA 13.5	,		lj%lmf Grad 2.56 PD- <i>F</i>		AdjS0
Tag <b>005</b>	<b>-</b> Pen	Tattoo	MLCC 5H			CE	BW	WG		Milk	PWG	Y	G	FAT		REA	%IMF	SC	BIO\$	
Contact F HC/Breed Birthdate 1 SireSire	CHAROLAIS	M & L CATTLE COMP	PANY 705-295-6439	%ab ABC A %wb	сс	61 <b>2</b> 30 93	67 <b>-2.5</b> 57 95	27 <b>35</b> 4 12	8	38 <b>22</b> 16 71	80 <b>41</b> 51 64	57 <b>76</b> 34	50	15 <b>42</b> 33	51	82 . <b>52</b> 46	9 <b>12</b> 46 12	33 . <b>12</b> 62 30	64 <b>3722</b> 64	
	CARD EXOTIC POL	LED 56D		CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	НН	Frame	Fat	REA	AdjREA	%Imf Ac	lj%lmf Grad	e SC	AdjSC
	PCFL 5A PCFL WILDFIRE 9	т		U	80	620	96	654	1030	3.33	3.15	51.5	6.8	2	13.2	14.2	1.25	I.40 PD	32.0	33.4
Tag <b>027</b>	<b>H</b> Pen	Tattoo	MLCC 27H			CE	BW	WG		Milk	PWG	Y	G	FAT		REA	%IMF	SC	BIO\$	
	ROGER MALONEY CHAROLAIS	· M & L CATTLE COMP	PANY 705-295-6439	%ab ABC A %wb	сс	19 <b>-2</b> 19	15 <b>2.0</b> 48 48	85 <b>52</b> 3	8	31 <b>20</b> 12	87 <b>44</b> 43 76	89 <b>96</b> 79	41	15 <b>43</b> 32	47	87 . <b>60</b> 41	26 <b>02</b> 41 48	89 <b>1.26</b> 59 87	70 <b>3883</b> 70	
SireSire Sire <b>N</b>	CASTOR M&L CASTOR 102D			CE	BW	AWW	WI	SOT	EOT	ADG			Frame		REA			lj%lmf Grad		AdjS0
Dam <b>N</b> DamSire	M&L MS BASTION 2 M&L WATCHER 6			U	93	708	109	692	1095	3.73	3.29	50.5	6.2	3	15.2	16.2	1.43	1.57 PD	35.5	36.7
Tag <b>029</b> l	<b>-</b> Pen	Tattoo	MLCC 29H			CE	BW	WG		Milk	PWG	Y	G	FAT		REA	%IMF	SC	BIO\$	
Contact F HC/Breed Birthdate 1 SireSire	CHAROLAIS	M & L CATTLE COMP	PANY 705-295-6439	%ab ABC A %wb	сс	10 - <b>3</b> 29	17 <b>1.7</b> 57 54	31 <b>36</b> 4 15	7	23 <b>19</b> 15 51	87 <b>44</b> 51 75	66 <b>80</b> 44	49	9 <b>53</b> 18	50	79 . <b>47</b> 45 62	9 <b>12</b> 45 12	12 <b>59</b> 62 5	44 <b>3271</b> 41	
Sire C	CARD EXOTIC POLICECTE 29A			CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	НН	Frame	Fat	REA	AdjREA	%Imf Ac	lj%lmf Grad		AdjSC
-	PCFL CALAIS 145	=		U	95	619	96	684	1055	3.40	3.21	52.0	7.0	2	12.7	13.6	1.18	I.31 PD	29.5	30.8
Tag <b>031</b>	<b>H</b> Pen	Tattoo	MLCC 31H			CE	BW	WG		Milk	PWG	Y	G	FAT		REA	%IMF	SC	BIO\$	
HC/Breed Birthdate <b>1</b>	CHAROLAIS 11Apr2020	Colour	PANY 705-295-6439	%ab ABC A %wb		4 - <b>6</b> 22	1 <b>6.1</b> 51 6	26 <b>35</b> 4 12	1	18 <b>17</b> 9 42	92 <b>47</b> 45 85	70 <b>82</b> 50	43	13 <b>46</b> 27	47	95 . <b>78</b> 42 90	8 13 42 10	63 . <b>69</b> 59 64	53 <b>3484</b> 51	
SireSire Sire	SCF DECIMUS 360 SCF FERNANDO 43			CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	НН	Frame	Fat	REA	AdjREA	%Imf Ac	lj%lmf Grad	e SC	AdjSC
Dam No.	M&L ROSE 31Y SNOOPY			U	115	641	99	712	1180	4.21	3.59	52.0	7.0	3	16.2	17.5	1.09	I.21 PD	34.0	35.3

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## **Bull Evaluation EOT Report**

## 202106 M & L Cattle Co Bull Group 2



Genetic Evaluations (13 Apr 2021)

			Genetic	⊏vaiu	alioi	15 (13	Apr 20	12 I )												
Tag <b>089H</b>	Pen	Tattoo	MLCC 89H			CE	BW	WG		Milk	PWG	Y	G	FAT		REA	%IMF	SC	BIO	5
Contact RC	OGER MALONE	Y-M&LCATTLE	COMPANY	%ab		40	49	73		53	97	93		33		94	19	40	92	
HC/Breed	CHAROLAIS		705-295-6439	ABC	Acc	<b>1</b> 24	<b>-1.2</b> 51	47 4	12	<b>24</b> 12	<b>54</b> 46	101	44	13	50	.73 44	<b>06</b> 4	4 .28 62	473	1
Birthdate 27	•	Colour		%wb		85	89	60		83	95	86		72		87	32	38	93	
	EXOTIC SC																			
	ARD EXOTIC PO			CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf G	ade S	C AdjSC
	&L CALEESI 189	-		U	87	679	105	684	1130	4.00	3.61	52.0	7.2	4	14.1	15.7	1.54	1.80 F	D 3	2.0 33.9
DamSire V	WR UGOTIT 144	U																		
Tag <b>102H</b>	Pen	Tattoo	MLCC 102H			CE	BW	WG		Milk	PWG	Y	G	FAT		REA	%IMF	SC	BIO	6
Contact RC	GER MALONE	Y - M & L CATTLE C	COMPANY	%ab		9	5	60		21	86	79		37		66	20	57	37	
HC/Breed	CHAROLAIS		705-295-6439	ABC	Acc	<b>-4</b> 24	4.0 55	44 4		18 12	<b>43</b> 47		46	07	47	<b>.33</b> 41	<b>05</b> 4	-	310	3
Birthdate 24I	May2020	Colour		%wb		31	19	45		47	73	63		77		40	35	57	33	
	M&L PERFORMI																			
	&L PERFORMER			CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	НН	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf G	ade S	C AdjSC
	FL FANTA 102			U	105	657	102	568	956	3.53	3.34	48.0	5.7	3	12.8	15.1	.96	1.23 F	D 3	2.0 34.9
DamSire P	PCFL WILDFIRE	91																		
Tag <b>314H</b>	Pen	Tattoo	MLCC 314H			CE	BW	WG		Milk	PWG	Y	G	FAT		REA	%IMF	SC	BIO	6
Contact RC	OGER MALONE	Y - M & L CATTLE C	COMPANY	%ab		16	20	62		47	94	87		15		87	14	46	73	
HC/Breed	CHAROLAIS		705-295-6439	ABC	Acc	<b>-2</b> 22	<b>1.3</b> 50	44 4	11 :	23 11	<b>49</b> 45	93	43	42	50	.59 44	09 4	4 .40 62	394	1
	Apr2020	Colour		%wb		51	60	47		79	89	75		34		74	22	46	74	
	EXOTIC SC																			_
	ARD EXOTIC PO			CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	НН	Frame	Fat	REA	AdjREA	%lmf	Adj%Imf G	ade	C AdjSC
	AR PUNCH MS F MALE LEAF RE\			U	100	690	107	700	1115	3.81	3.46	52.0	7.1	3	13.4	14.6	1.38	1.56 F	2 D 3	3.0 34.6
Damone IV	WALE LEAF KE	WARD 11X																		
Tag <b>490H</b>	Pen	Tattoo	MLCC 490H			CE	BW	WG		Milk	PWG	Y	G	FAT		REA	%IMF	SC	BIO	5
Contact RC	OGER MALONE	Y - M & L CATTLE C	COMPANY	%ab		26	29	22		43	42	31		17		82	5	30	34	
HC/Breed	CHAROLAIS		705-295-6439	ABC	Acc	<b>-1</b> 25	<b>.3</b> 52	34 4	13	23 12	<b>30</b> 46	64	45	39	51	<b>.52</b> 46	<b>16</b> 4	.06 62	303	)
Birthdate 17	•	Colour		%wb		69	76	9	.	75	21	12		37		67	5	26	29	
	EXOTIC SC																			
	ARD EXOTIC PO			CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	НН	Frame	Fat	REA	AdjREA	%lmf	Adj%Imf G	ade S	C AdjSC
	&L MS ROUKY 4	19B		U	96	662	102	680	994	2.85	3.08	50.5	6.3	3	12.7	13.8	.63	.71 F	2D 3	2.5 34.0
Damoire R	ROUKY																			

### 202106 M & L Cattle Co Bull Group 2



Genetic Evaluations (13 Apr 2021)

## **Breed Summary Averages**

Breed	#	% U	BWT	AWW	SOT	28D	56D	84D	EOT	ADG	WPDA	Hip Height	Frame Score	Back Fat	REA	Adj REA	%IMF	Adj %IMF	Scrotal
CHAROLAIS	9	100	97	660	668	752	863	964	1062	3.56	3.32	51.0	6.6	3	13.8	15.0	1.30	1.48	32.1
Group Averages	9	100	97	660	668	752	863	964	1062	3.56	3.32	51.0	6.6	3	13.8	15.0	1.30	1.48	32.1

Provision and Use of Information Produced by BIO. As part of the terms and conditions of Beef Improvement Ontario (BIO) Beef Evaluation Services, it is understood that information provided by BIO including, but not limited to, genetic and carcass evaluations are produced using the very best knowledge available and are pursuant to generally accepted industry standards. The raw data and pedignee used in calculations is provided by the client. The intent of the information provided by BIO is for comparative purposes only for both the animal consignor and buyer. This information is provided for the purpose of general guidance only to beef producers. The purchaser and/or user of this information agrees to hold Beef Improvement Dynamics for any losses or damages that may be incurred as a result of receipt of and/or reliance upon this general comparative information. This clause shall be a complete defense to any dain brought by the purchaser and/or user in relation to such services.

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