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## Bull Evaluation Centre Report

**201001 LISKEARD FARMS #1**

**( End of Test )**

Test Date: **29 Oct 2009** Days on Test: **112**

Centre Manager: **VERN AND DENISE BURNETT**

Start of Test Date: **09 Jul 2009**

Phone #: **705-647-8553**

End of Test Date: **29 Oct 2009**

E-Mail:

Pick Up Date:

Address: **884514 HWY 65 WEST,R.R. #1 , NEW LISKEARD , ON , P0J 1P0**

Ration Statement: **Free choice: low protein, low energy high fibre pelleted ration; hay-free choice**

- 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 our Herd Evaluation Service or bioTrack. If no data is submitted to BIO's Herd Evaluations Services, 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 be eligible for awards that are offered from time to time.**
  - 3. Give the office a call for worksheets or instructions on using bioTrack (on-line entry) to submit your herd data.**

# 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 (99<sup>th</sup> percentile) is in the top 1% of all animals evaluated for that trait or index; a bull in the 80<sup>th</sup> 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).
- **Prime Plus Economic Index - Prime Plus** is the bull's predicted dollar difference (PDD) for his ability to sire market calves that produce a 700 pound carcass with AAA marbling, and productive heifer replacements. Prime Plus is based on using the bull for 2 years on 30 average cows, with 85% of heifers kept as replacements. *Prime Plus is only for Bulls not Heifers.*
- **Beef Builder Economic Index - Beef Builder** is the bull's predicted dollar difference (PDD) for his ability to sire market calves that produce up to an 800 pound carcass and sire productive heifer replacements. Beef Builder is based on using the bull for 2 years on 30 average cows, with 40% of heifers kept as replacements. *Beef Builder is only for Bulls not Heifers.*
- **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	Prime Plus	Beef Builder
Base	0	0	+30	+15	+20	+50	0	0	0	0	+2000	+2000

## ***Report Definitions and Legend***

### **Herd Measurements (BIO encourages 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 (lbs)** - 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 (lbs/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 (lbs/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 Intramuscular 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 **unassisted** calvings if the bull is mated with heifers that are an average size and have average calving ability.

**BW - Birth Weight ABC (lbs)** - 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 (lbs 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 (square inches)** - Predictor of the differences in progeny ribeye area (muscling), adjusted to a common age.

**%IMF - Intramuscular 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. Only Bulls have SC evaluations.

# Bull Evaluation EOT Report

## 201001 LISKEARD FARMS #1



Genetic Evaluations (04 Jan 2010)

Tag	Pen	Tattoo	YXR
0001			001U
Contact	DALTON POTTER - MOFFAT CREEK		
HC/Breed	RED ANGUS		705-563-8373
Birthdate	23Aug2008	Colour	
SireSire	RED BECKTON DOMINOR ZC M919		
Sire	RED BECKTON DOMINOR S746 ZC		
Dam	RED GOLD QUEST BONNIE 50		
DamSire	RED GOLD QUEST 775		

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF	SC	PPIndex	BBIndex
%ab	47	37	76	69	82	82	74	12	75	30	63	37
ABC Acc	1 16	.2 45	42 34	23 7	37 40	79 37	.73 44	-.39 38	.33 38	-.04 59	3421	2522
%wb	9	6	76	55	64	72	24	28	20	6	23	28

	CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade	SC	AdjSC
U	92	653	102	985	1510	4.63	3.50	53.5	6.5	9	15.0	13.4	5.02	4.24	AA-AAA	36.5	34.1	

Tag	Pen	Tattoo	YXR
0002			02U
Contact	DALTON POTTER - MOFFAT CREEK		
HC/Breed	RED ANGUS		705-563-8373
Birthdate	26Aug2008, Twin	Colour	
SireSire	RED GOLD QUEST 669		
Sire	RED GOLD QUEST 775		
Dam	RED COPPER ROB VERONICA 795		
DamSire	RED LMAN RD COPPER ROB 1607H		

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF	SC	PPIndex	BBIndex
%ab	44	31	94	80	96	97	87	9	82	28	74	53
ABC Acc	1 26	.8 54	52 43	26 13	47 45	99 44	1.08 48	-.46 42	.42 42	-.12 61	3964	2906
%wb	7	4	95	72	90	94	57	20	42	5	37	45

	CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade	SC	AdjSC
U	75	675	105	852	1415	4.90	3.30	50.0	4.7	11	14.2	12.8	5.44	4.63	AAA	36.5	34.2	

Tag	Pen	Tattoo	YXR
0003			03U
Contact	DALTON POTTER - MOFFAT CREEK		
HC/Breed	RED ANGUS		705-563-8373
Birthdate	26Aug2008, Twin	Colour	
SireSire	RED GOLD QUEST 669		
Sire	RED GOLD QUEST 775		
Dam	RED COPPER ROB VERONICA 795		
DamSire	RED LMAN RD COPPER ROB 1607H		

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF	SC	PPIndex	BBIndex
%ab	61	49	93	80	97	97	87	6	79	25	74	58
ABC Acc	2 26	-.8 54	50 43	26 14	49 45	99 44	1.08 48	-.52 42	.38 42	-.22 61	3946	3010
%wb	16	10	93	72	92	94	57	14	30	4	37	49

	CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade	SC	AdjSC
U	70	652	101	830	1390	5.04	3.24	49.5	4.5	11	13.6	12.2	5.06	4.31	AA-AAA	36.0	33.7	

Tag	Pen	Tattoo	YXR
0004			04U
Contact	DALTON POTTER - MOFFAT CREEK		
HC/Breed	RED ANGUS		705-563-8373
Birthdate	05Sep2008	Colour	
SireSire	RED GOLD QUEST 669		
Sire	RED GOLD QUEST 775		
Dam	RED GYPSY VERONICA 811		
DamSire	RED PANHANDLE REGENT 939J		

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF	SC	PPIndex	BBIndex
%ab	90	91	88	65	89	91	84	12	73	24	73	66
ABC Acc	5 22	-4.8 50	47 39	22 9	41 43	88 41	1.02 47	-.39 41	.30 41	-.26 61	3901	3188
%wb	68	71	88	50	76	85	50	28	13	3	35	56

	CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade	SC	AdjSC
U	71	629	98	1015	1515	4.57	3.62	51.0	5.4	10	14.6	13.3	4.48	3.90	AA	35.5	33.5	

Tag	Pen	Tattoo	YXR
0006			06U
Contact	DALTON POTTER - MOFFAT CREEK		
HC/Breed	RED ANGUS		705-563-8373
Birthdate	11Oct2008	Colour	
SireSire	RED BADLANDS MR BEEF 805		
Sire	RED RODANJEN MR BEEF		
Dam	RED COPPER LARK 792		
DamSire	RED LMAN RD COPPER ROB 1607H		

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF	SC	PPIndex	BBIndex
%ab	88	87	34	80	59	48	68	21	91	52	85	45
ABC Acc	5 24	-4.2 51	31 41	26 21	30 46	61 44	.55 49	-.27 43	.53 43	.55 62	4619	2699
%wb	62	60	29	71	30	28	11	48	72	28	57	36

	CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade	SC	AdjSC
U	76	602	94	820	1315	4.35	3.43	49.5	5.0	9	15.0	14.5	5.05	4.81	AA-AAA	36.5	35.8	

# Bull Evaluation EOT Report

## 201001 LISKEARD FARMS #1



Genetic Evaluations (04 Jan 2010)

Tag	<b>0009</b>	Pen		Tattoo	<b>YXR 09U</b>
Contact	<b>DALTON POTTER - MOFFAT CREEK</b>				
HC/Breed	<b>RED ANGUS</b>				<b>705-563-8373</b>
Birthdate	<b>23Oct2008</b>	Colour			
SireSire	<b>RED LCHMN MDLD HVYWT 2463</b>				
Sire	<b>RED LEACHMAN HEAVYCREAM</b>				
Dam	<b>RED STALBURN VERONICA 22N</b>				
DamSire	<b>RED BRYLOR NEW TREND 22D</b>				

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF	SC	PPIndex	BBIndex
%ab	34	28	42	94	86	72	54	8	82	94	76	26
ABC Acc	0 32	1.1 60	33 50	31 24	39 51	72 51	.08 46	-.47 40	.42 39	1.73 60	4059	2228
%wb	4	3	39	91	71	57	1	18	42	92	40	18

	CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade	SC	AdjSC
U	96	628	98		843	1365	4.78	3.68	50.5	5.7	6	13.3	13.2	5.01	4.93	AA-AAA	40.5	40.3

Tag	<b>0013</b>	Pen		Tattoo	<b>YXR 013U</b>
Contact	<b>DALTON POTTER - MOFFAT CREEK</b>				
HC/Breed	<b>RED ANGUS</b>				<b>705-563-8373</b>
Birthdate	<b>01Nov2008</b>	Colour			
SireSire	<b>RED GOLD QUEST 669</b>				
Sire	<b>RED GOLD QUEST 775</b>				
Dam	<b>RED VERONICA GYPSY 786</b>				
DamSire	<b>RED PANHANDLE REGENT 939J</b>				

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF	SC	PPIndex	BBIndex
%ab	76	74	88	71	68	81	91	6	71	23	47	33
ABC Acc	3 22	-2.8 50	47 39	23 9	32 43	79 41	1.26 47	-.53 41	.28 41	-.35 61	2785	2435
%wb	34	32	88	58	40	71	72	13	10	2	10	24

	CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade	SC	AdjSC
U	82	662	103		765	1222	4.12	3.38	48.5	4.8	10	12.9	13.0	4.07	4.10	AA	33.5	33.6

Tag	<b>0019</b>	Pen		Tattoo	<b>LFL 19U</b>
Contact	<b>VERN AND DENISE BURNETT - LISKEARD FARMS LTD.</b>				
HC/Breed	<b>ANGUS</b>				<b>705-647-8553</b>
Birthdate	<b>22Oct2008</b>	Colour			
SireSire	<b>CONNELLY FOREFRONT</b>				
Sire	<b>TC FREEDOM 104</b>				
Dam	<b>STALBURN JESSIE 52L</b>				
DamSire	<b>RR SCOTCHCAP 9440</b>				

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF	SC	PPIndex	BBIndex
%ab	96	97	51	79	64	59	85	30	86	30	81	60
ABC Acc	7 34	-6.6 59	35 50	25 29	31 51	66 51	1.02 51	-.16 45	.45 45	-.06 63	4393	3054
%wb	88	91	48	70	35	41	51	68	53	6	50	51

	CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade	SC	AdjSC
U	80	730	97		970	1475	4.59	3.97	52.0	6.4	7	14.6	14.4	5.00	4.91	AA-AAA	34.0	33.7

Tag	<b>0021</b>	Pen		Tattoo	<b>LFL 21U</b>
Contact	<b>VERN AND DENISE BURNETT - LISKEARD FARMS LTD.</b>				
HC/Breed	<b>ANGUS</b>				<b>705-647-8553</b>
Birthdate	<b>28Oct2008, Twin</b>	Colour			
SireSire	<b>S A V PATHFINDER 3134</b>				
Sire	<b>S A V LEGACY 5216</b>				
Dam	<b>LFL 29S</b>				
DamSire	<b>BR MIDLAND</b>				

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF	SC	PPIndex	BBIndex
%ab	82	76	95	92	83	93	93	22	91	75	87	69
ABC Acc	4 32	-3.0 59	53 48	30 15	38 47	90 48	1.33 47	-.26 42	.53 42	1.05 61	4775	3274
%wb	46	36	96	89	65	88	76	50	72	64	62	60

	CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade	SC	AdjSC
U	70	840	112		870	1365	4.38	3.73	50.0	5.5	10	14.3	14.3	4.87	4.86	AA-AAA	38.5	38.5

Tag	<b>0023</b>	Pen		Tattoo	<b>LFL 23U</b>
Contact	<b>VERN AND DENISE BURNETT - LISKEARD FARMS LTD.</b>				
HC/Breed	<b>HEREFORD</b>				<b>705-647-8553</b>
Birthdate	<b>28Oct2008</b>	Colour			
SireSire	<b>CS BOOMER 29F</b>				
Sire	<b>FORC 29F BOOMER 18L</b>				
Dam	<b>STALBURN DEL 38E 13N</b>				
DamSire	<b>TRIPLE J MR VARSITY VICTOR 72D</b>				

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF	SC	PPIndex	BBIndex
%ab	22	16	70	66	72	73	96	5	47	89	7	14
ABC Acc	-2 40	2.4 60	40 52	23 37	34 54	74 53	1.57 54	-.56 48	-.02 48	1.46 65	810	1841
%wb	18	17	72	96	95	90	97	52	37	98	42	66

	CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade	SC	AdjSC
U	100	782	104		980	1495	4.55	4.08	51.0	6.0	12	14.2	14.2	4.16	4.15	AA	41.5	41.5



## 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
ANGUS	2	100	75	785	920	1033	1160	1288	1420	4.48	3.85	51.0	5.9	9	14.5	14.3	4.93	4.88	36.3
RED ANGUS	7	100	80	643	873	989	1126	1249	1390	4.63	3.45	50.4	5.2	9	14.1	13.2	4.88	4.42	36.4
HEREFORD	1	100	100	782	980	1115	1250	1360	1495	4.55	4.08	51.0	6.0	12	14.2	14.2	4.16	4.15	41.5
Group Averages	10	100	81	685	893	1010	1146	1268	1407	4.59	3.59	50.6	5.4	10	14.2	13.5	4.82	4.48	36.9

**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 pedigree 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 Ontario harmless 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 claim brought by the purchaser and/or user in relation to such services.