



bio
660 Speedvale Ave. West,
Suite #205, Guelph ON, N1K 1E5
p: 855.246.2333
f: 519.767.2502
www.biotrack.ca

Bull Evaluation Centre Report

201301 LISKEARD FARMS #1

(End of Test)

Test Date: **31 Oct 2012** Days on Test: **111**

Centre Manager: **VERN AND DENISE BURNETT**

Start of Test Date: **12 Jul 2012**

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

End of Test Date: **31 Oct 2012**

E-Mail:

Pick Up Date:

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

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.**

Pick up Date: November 7, 2012

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 (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.

Bull Evaluation EOT Report

201301 LISKEARD FARMS #1



Genetic Evaluations (23 Nov 2012)

Tag 0013 Pen Tattoo **LFL 13Y**
 Contact **VERN AND DENISE BURNETT - LISKEARD FARMS LTD.**
 HC/Breed **ANGUS** **705-647-8553**
 Birthdate **20Oct2011** Colour
 SireSire **B C LOOKOUT 7024**
 Sire **BC EAGLE EYE 110-7**
 Dam **LFL 19T**
 DamSire **SAV NET WORTH 4200**

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF	SC	BIO\$
%ab	82	84	27	93	35	30	62	26	74	55	35
ABC Acc	4 ³¹	-3.7 ⁵⁸	32 ⁴⁶	31 ¹⁹	25 ⁴⁶	57 ⁴⁶	.42 ⁴⁷	-.19 ⁴¹	.39 ⁴¹	.69 ⁶⁰	2596
%wb	48	53	24	90	11	14	3	59	21	38	23

CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade	SC	AdjSC
U	78	740	101	985	1365	3.29	3.62	50.5	5.6	7	14.6	14.3	4.40	4.26	AA	36.0	35.6

Tag 0014 Pen Tattoo **LFL 14Y**
 Contact **VERN AND DENISE BURNETT - LISKEARD FARMS LTD.**
 HC/Breed **ANGUS** **705-647-8553**
 Birthdate **11Nov2011** Colour
 SireSire **RED STALBURN RUSTY 4R**
 Sire **RED STALBURN WILL POWER 18W**
 Dam **STALBURN ROSEBUD 25N**
 DamSire **SAF 598 BANDO 5175**

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF	SC	BIO\$
%ab	69	62	65	98	94	88	94	30	92	17	74
ABC Acc	3 ²⁹	-1.7 ⁵⁸	41 ⁴⁷	36 ²²	47 ⁵⁰	89 ⁴⁹	1.43 ⁵⁰	-.15 ⁴⁵	.60 ⁴⁵	-.33 ⁶³	3709
%wb	24	19	66	97	85	79	81	67	74	3	64

CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade	SC	AdjSC
U	86	716	98	820	1255	3.96	3.54	49.5	5.4	11	13.9	14.2	4.70	4.83	AA-AAA	32.0	32.4

Tag 0016 Pen Tattoo **LFL 16Y**
 Contact **VERN AND DENISE BURNETT - LISKEARD FARMS LTD.**
 HC/Breed **ANGUS** **705-647-8553**
 Birthdate **12Nov2011** Colour
 SireSire **B C LOOKOUT 7024**
 Sire **BC EAGLE EYE 110-7**
 Dam **STALBURN ROYAL LADY 13P**
 DamSire **VERMILION DATELINE 7078 VRD**

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF	SC	BIO\$
%ab	76	77	26	83	81	59	64	14	75	93	45
ABC Acc	3 ³¹	-3.0 ⁵⁹	32 ⁴⁸	27 ²¹	40 ⁴⁷	71 ⁴⁸	.49 ⁴⁶	-.36 ⁴⁰	.40 ⁴⁰	1.70 ⁶⁰	2898
%wb	35	40	23	75	59	41	5	33	24	92	33

CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade	SC	AdjSC
U	80	720	98	870	1290	3.94	3.64	50.0	5.6	6	13.2	13.5	3.90	4.02	A-AA	39.0	39.4

Tag 0017 Pen Tattoo **LFL 17Y**
 Contact **VERN AND DENISE BURNETT - LISKEARD FARMS LTD.**
 HC/Breed **ANGUS** **705-647-8553**
 Birthdate **18Nov2011** Colour
 SireSire **CONNELLY DATELINE**
 Sire **VERMILION DATELINE 7078 VRD**
 Dam **STALBURN JESSIE 58R**
 DamSire **STALBURN NORDIC 47N**

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF	SC	BIO\$
%ab	91	93	96	98	96	98	98	18	90	80	85
ABC Acc	5 ³⁷	-5.2 ⁵⁸	56 ⁵²	37 ³⁹	49 ⁵³	106 ⁵³	1.82 ⁵²	-.31 ⁴⁶	.56 ⁴⁶	1.23 ⁶⁵	4142
%wb	71	78	97	98	89	96	95	41	68	74	78

CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade	SC	AdjSC
U	78	852	117	970	1400	4.04	4.02	52.0	6.7	12	13.6	14.0	4.50	4.72	AA	36.5	37.1

Tag 0028 Pen Tattoo **YXR 28Y**
 Contact **DALTON POTTER - MOFFAT CREEK**
 HC/Breed **RED ANGUS** **705-563-8373**
 Birthdate **01Sep2011** Colour **RED**
 SireSire
 Sire **RED BECKTON EPIC T585 K4**
 Dam **RED MAJOR TUSGA WOOD 813**
 DamSire **RAE 20R**

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF	SC	BIO\$
%ab	58	54	73	70	99	98	96	40	95	84	94
ABC Acc	2 ¹⁷	-1.1 ⁴⁷	44 ³⁶	24 ⁸	66 ⁴¹	110 ³⁹	1.53 ⁴⁵	-.05 ³⁹	.66 ³⁹	1.35 ⁶⁰	4734
%wb	14	13	75	56	99	97	87	84	85	81	92

CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade	SC	AdjSC
U	91	714	103	1050	1615	5.16	3.79	52.5	6.0	13	16.0	14.3	5.40	4.63	AAA	40.0	37.8

Bull Evaluation EOT Report

201301 LISKEARD FARMS #1



Genetic Evaluations (23 Nov 2012)

Tag	Pen	Tattoo	
0029			YXR 29Y
Contact	DALTON POTTER - MOFFAT CREEK		
HC/Breed	RED ANGUS		705-563-8373
Birthdate	02Sep2011	Colour	RED
SireSire	RED BECKTON DOMINOR ZC M919		
Sire	RED BECKTON DOMINOR S746 ZC		
Dam	RED GOLD QUEST TUSGA WOOD 707T		
DamSire	RED GOLD QUEST 775		

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF	SC	BIO\$
%ab	90	92	58	68	78	72	83	14	98	23	59
ABC Acc	5 ¹⁷	-4.9 ⁴⁷	40 ³⁶	24 ⁹	38 ⁴¹	78 ³⁹	1.11 ⁴⁵	-0.36 ³⁹	.75 ³⁹	-0.09 ⁵⁹	3271
%wb	68	74	58	53	53	57	50	33	94	5	46

CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade	SC	AdjSC
U	77	711	103	1070	1485	3.92	3.49	52.0	5.8	11	14.8	13.3	6.60	5.67	AAA	35.5	33.3

Tag	Pen	Tattoo	
0030			YXR 30Y
Contact	DALTON POTTER - MOFFAT CREEK		
HC/Breed	RED ANGUS		705-563-8373
Birthdate	03Sep2011	Colour	
SireSire			
Sire	RED BECKTON EPIC T585 K4		
Dam	RED MAJOR BONNIE 808		
DamSire	RAE 20R		

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF	SC	BIO\$
%ab	75	74	74	86	85	83	86	27	99	71	77
ABC Acc	3 ¹⁷	-2.7 ⁴⁷	44 ³⁶	28 ⁸	41 ⁴¹	85 ³⁹	1.20 ⁴⁵	-0.18 ³⁹	.92 ³⁹	1.03 ⁶⁰	3803
%wb	33	35	75	79	66	72	59	61	98	62	67

CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade	SC	AdjSC
U	83	754	109	1080	1490	3.81	3.51	53.0	6.3	10	15.0	13.6	7.20	6.20	AAA	38.5	36.3

Tag	Pen	Tattoo	
0035			YXR 35Y
Contact	DALTON POTTER - MOFFAT CREEK		
HC/Breed	ANGUS		705-563-8373
Birthdate	24Sep2011	Colour	
SireSire	DUNLOUISE COMMANDER BOND		
Sire	LFL 27W		
Dam	YXR 14W		
DamSire	RED FINE LINE MULBER		

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF	SC	BIO\$
%ab	77	71	26	62	13	16	90	3	86	36	6
ABC Acc	3 ²⁴	-2.4 ⁵⁴	32 ⁴³	23 ¹³	15 ⁴⁶	47 ⁴⁵	1.31 ⁴⁸	-0.63 ⁴³	.51 ⁴³	.27 ⁶²	1233
%wb	37	29	23	46	1	5	70	7	57	14	2

CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade	SC	AdjSC
U	82	653	94	875	1210	2.97	3.00	49.5	4.8	9	12.5	11.8	4.60	4.17	AA	36.0	34.6

Tag	Pen	Tattoo	
0055			SNR 55Y
Contact	GREG SEED - SESSON RANCH		
HC/Breed	P HEREFORD		705-647-9802
Birthdate	03Sep2011	Colour	
SireSire	REMITALL HIGHWAY ET 157H		
Sire	REMITALL LAGRD POUNDER ET 204P		
Dam	EJM MISS SHARMAINE 201N 105S		
DamSire			

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF	SC	BIO\$
%ab	8	7	81	16	84	86	60	15	17	44	15
ABC Acc	-4 ²⁴	4.0 ⁵⁰	46 ⁴¹	14 ¹⁴	41 ⁴⁴	87 ⁴³	.32 ⁴⁶	-0.36 ⁴⁰	-0.16 ⁴⁰	.45 ⁶⁰	1889
%wb	5	6	84	62	99	97	13	80	3	73	78

CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade	SC	AdjSC
U	110	720	107	1055	1510	4.24	3.56	54.5	7.1	7	14.3	12.9	2.80	2.41	PD-A	37.5	35.3

Tag	Pen	Tattoo	
0056			SNR 56Y
Contact	GREG SEED - SESSON RANCH		
HC/Breed	P HEREFORD		705-647-9802
Birthdate	16Sep2011	Colour	
SireSire	REMITALL HIGHWAY ET 157H		
Sire	REMITALL LAGRD POUNDER ET 204P		
Dam	EJM MISS ULTRA 24R 103U		
DamSire			

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF	SC	BIO\$
%ab	36	41	52	10	37	43	61	7	25	26	7
ABC Acc	0 ²⁴	.0 ⁵⁰	38 ⁴¹	11 ¹⁴	26 ⁴⁴	64 ⁴³	.36 ⁴⁶	-0.50 ⁴⁰	-0.11 ⁴⁰	.00 ⁶⁰	1359
%wb	35	54	55	47	78	69	16	52	9	43	55

CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade	SC	AdjSC
U	85	641	95	865	1255	3.60	3.05	49.5	4.7	7	13.1	12.2	3.10	2.75	A	35.0	33.3

Bull Evaluation EOT Report

201301 LISKEARD FARMS #1



Genetic Evaluations (23 Nov 2012)

Tag **0057** Pen Tattoo **SNR 57Y**
 Contact **GREG SEED - SESSON RANCH**
 HC/Breed **P HEREFORD** **705-647-9802**
 Birthdate **27Sep2011** Colour
 SireSire **REMITALL HIGHWAY ET 157H**
 Sire **REMITALL LAGRD POUNDER ET 204P**
 Dam **ZMN 37P**
 DamSire

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF	SC	BIOS\$	
%ab	8	6	85	10	71	81	74	10	17	13	9	
ABC Acc	-4 24	4.4 50	48 41	12 14	36 44	84 43	.83 46	-.44 40	-.16 40	-.56 60	1534	
%wb	5	5	88	48	97	96	67	67	3	6	64	

CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade	SC	AdjSC
U	110	724	107	960	1400	4.04	3.50	51.5	5.8	9	14.0	13.2	2.90	2.65	A	33.0	31.7



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	5	100	81	736	904	995	1091	1207	1304	3.64	3.56	50.3	5.6	9	13.6	13.5	4.42	4.40	35.9
RED ANGUS	3	100	84	726	1067	1170	1286	1438	1530	4.30	3.60	52.5	6.0	11	15.3	13.7	6.40	5.50	38.0
HEREFORD	3	100	102	695	960	1042	1157	1287	1388	3.96	3.37	51.8	5.9	8	13.8	12.8	2.93	2.60	35.2
Group Averages	11	100	87	722	964	1056	1162	1292	1389	3.91	3.52	51.3	5.8	9	14.1	13.4	4.55	4.21	36.3

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.