



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

**201415 Bar 5 #2**

**( End of Test )**

Test Date: **15 Jan 2014** Days on Test: **117**

Centre Manager: **ANDREAS BUSCHBECK**

Start of Test Date: **20 Sep 2013**

Phone #: **519-986-1330**

End of Test Date: **15 Jan 2014**

E Mail: **bar5admin@xplornet.com**

Pick Up Date:

Address: **636077 HOL-EUP TW,R.R. #3 , MARKDALE , ON , N0C 1H0**

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 (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).
- ♦ 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:

<b>Trait</b>	<b>CE</b>	<b>BW</b>	<b>WG</b>	<b>MILK</b>	<b>PWG</b>	<b>YG</b>	<b>FAT</b>	<b>REA</b>	<b>%IMF</b>	<b>SC</b>	<b>BIO\$</b>
<b>Base</b>	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

## 201415 Bar 5 #2



Genetic Evaluations (24 Jan 2014)

Tag	Pen	Tattoo	
0203		IFZ 203A	
Contact <b>AGRO ZURITA</b>			
HC/Breed <b>H SIMMENTAL</b>			
Birthdate <b>02Mar2013</b> Colour			
SireSire <b>RPF P-10 FIRST CHOICE</b>			
Sire <b>BUSCHBECK FIRST 9301W</b>			
Dam <b>IFZ 209Y</b>			
DamSire <b>BAR 5 SA BURNER 825R</b>			

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF	SC	BIO\$
%ab	32	21	99	98	99	99	37	80	47	46	89
ABC Acc	0 27	1.6 55	68 44	36 14	58 48	126 46	-20 51	.43 46	.01 46	.52 59	4388
%wb	63	49	98	90	98	98	59	66	78	13	90

	CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade	SC	AdjSC
U	107	875	127	740	1245	4.58	3.90	52.5	7.4	6	13.8	15.1	3.40	3.89	A	30.0	31.7	

Tag	Pen	Tattoo	
0204		CO 204A	
Contact <b>RON NOLAN - BAR 5 STOCK FARMS</b>			
HC/Breed <b>H SIMMENTAL</b> 519-986-1330			
Birthdate <b>05Mar2013</b> Colour			
SireSire <b>SALERIKA BESSMAN</b>			
Sire <b>BAR 5 SA BENTLEY 431R</b>			
Dam <b>BAR 5 SA ELKE 453P</b>			
DamSire <b>LATCO GOLD II</b>			

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF	SC	BIO\$
%ab	30	32	27	60	51	39	56	67	16	94	39
ABC Acc	-1 32	.5 59	33 49	23 16	31 51	63 50	.15 55	.29 51	-.16 51	1.77 63	2820
%wb	61	68	7	20	46	18	92	44	21	83	37

	CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade	SC	AdjSC
U	95	611	89	556	1010	4.10	3.20	49.5	5.9	5	12.0	13.2	2.40	2.77	PD-A	35.0	36.8	

Tag	Pen	Tattoo	
0212		CO 212A	
Contact <b>RON NOLAN - BAR 5 STOCK FARMS</b>			
HC/Breed <b>H SIMMENTAL</b> 519-986-1330			
Birthdate <b>20Mar2013</b> Colour			
SireSire <b>SALERIKA BESSMAN</b>			
Sire <b>BAR 5 SA BENTLEY 431R</b>			
Dam <b>BAR 5 SA SUSI-Q 805P</b>			
DamSire <b>BAR 5 SA BENZ 415L</b>			

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF	SC	BIO\$
%ab	34	38	89	80	44	73	41	42	13	13	26
ABC Acc	0 31	.0 58	50 49	27 14	29 51	79 50	-.16 55	-.01 50	-.18 50	-.49 63	2423
%wb	66	76	67	44	37	54	65	10	15	1	24

	CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade	SC	AdjSC
U	90	722	105	570	964	3.65	3.20	51.0	6.9	4	10.8	12.1	2.50	3.03	PD-A	25.5	27.8	

Tag	Pen	Tattoo	
0214		CO 214A	
Contact <b>RON NOLAN - BAR 5 STOCK FARMS</b>			
HC/Breed <b>P SIMMENTAL</b> 519-986-1330			
Birthdate <b>21Mar2013</b> Colour			
SireSire <b>SALERIKA EVAN</b>			
Sire <b>BAR 5 SA PFIDELITY 424R</b>			
Dam <b>BAR 5 PSAFF BELLE 226X</b>			
DamSire <b>BAR 5 P SA EVOLUTION-PEONA 418S</b>			

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF	SC	BIO\$
%ab	3	16	94	78	24	66	49	44	14	47	19
ABC Acc	-6 34	2.2 58	54 49	26 24	22 53	76 51	-.01 56	.02 52	-.18 52	.54 64	2169
%wb	6	39	79	42	15	46	81	11	16	14	15

	CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade	SC	AdjSC
H	100	720	105	598	976	3.37	3.25	48.5	5.7	5	11.3	12.8	2.41	2.93	PD-A	30.0	32.4	

Tag	Pen	Tattoo	
0222		CO 222A	
Contact <b>RON NOLAN - BAR 5 STOCK FARMS</b>			
HC/Breed <b>H SIMMENTAL</b> 519-986-1330			
Birthdate <b>23Apr2013</b> Colour			
SireSire <b>SALERIKA BESSMAN</b>			
Sire <b>BAR 5 SA BENTLEY 431R</b>			
Dam <b>CO 416R</b>			
DamSire <b>KYKSO KALGER</b>			

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF	SC	BIO\$
%ab	1	1	99	96	55	96	52	50	21	94	22
ABC Acc	-8 31	8.5 58	68 49	34 13	32 51	100 50	.04 55	.10 50	-.13 50	1.79 62	2282
%wb	2	1	98	85	51	90	86	17	32	84	19

	CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade	SC	AdjSC
U	135	919	134	638	1030	3.55	3.86	49.5	6.7	5	11.2	13.7	2.61	3.57	PD-A	32.5	36.1	

# Bull Evaluation EOT Report

## 201415 Bar 5 #2



Genetic Evaluations (24 Jan 2014)

Tag	Pen	Tattoo												BIO\$			
Tag <b>0416</b>	Pen	Tattoo	<b>CO 416A</b>	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF	SC	BIO\$			
Contact	RON NOLAN - BAR 5 STOCK FARMS																
HC/Breed	H SIMMENTAL																
Birthdate	11Feb2013 Colour																
SireSire	SALERIKA MAJJOOR 4DE																
Sire	BAR 5 SA PIONA 817N																
Dam	CO 850R																
DamSire	ERICO PRIMAL																
%ab	19	9	78	70	43	63	24	61	17	36	25						
ABC Acc	-2 33	3.4 58	46 48	25 24	29 52	74 50	-38 55	.22 50	-15 50	.32 64	2398						
%wb	42	22	47	30	36	42	35	33	22	8	23						
CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade	SC	AdjSC
U	95	581	ET	676	1085	3.64	3.21	50.5	6.1	4	12.5	13.1	2.74	2.96	PD-A	32.0	33.0

Tag	Pen	Tattoo												BIO\$			
Tag <b>0419</b>	Pen	Tattoo	<b>CO 419A</b>	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF	SC	BIO\$			
Contact	RON NOLAN - BAR 5 STOCK FARMS																
HC/Breed	H SIMMENTAL																
Birthdate	15Mar2013 Colour																
SireSire	BAR 5 SA HERO 823M																
Sire	BAR 5 SA HOUDINI 402R																
Dam	CO 436R																
DamSire	BAR 5 SA PIONEER 439L																
%ab	1	1	62	47	66	67	29	43	14	45	9						
ABC Acc	-7 38	8.2 60	41 51	20 29	35 51	76 51	-32 51	.01 47	-18 47	.50 63	1648						
%wb	3	1	28	12	64	47	42	11	17	13	6						
CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade	SC	AdjSC
U	115	697	ET	610	990	3.43	3.24	49.5	6.1	4	12.2	13.7	2.65	3.16	PD-A	29.0	31.2

Tag	Pen	Tattoo												BIO\$			
Tag <b>1207</b>	Pen	Tattoo	<b>IFZ 1207A</b>	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF	SC	BIO\$			
Contact	AGRO ZURITA																
HC/Breed	H SIMMENTAL																
Birthdate	06Feb2013 Colour																
SireSire	GIBBY'S NICHOLAS 302N																
Sire	BUSCHBECK PFF NICK 9404Y																
Dam	IFZ 230Y																
DamSire	MIRACULOUS 839T																
%ab	12	4	79	87	41	62	55	93	15	79	50						
ABC Acc	-3 27	4.7 55	46 44	29 14	28 49	74 47	.10 53	.64 48	-17 48	1.19 62	3092						
%wb	27	11	48	57	34	41	90	91	19	50	49						
CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade	SC	AdjSC
U	98	726	106	692	1085	3.62	3.16	50.5	6.0	6	14.4	15.0	2.20	2.34	PD-A	34.0	34.8

Tag	Pen	Tattoo												BIO\$			
Tag <b>1209</b>	Pen	Tattoo	<b>CO 1209A</b>	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF	SC	BIO\$			
Contact	RON NOLAN - BAR 5 STOCK FARMS																
HC/Breed	P SIMMENTAL																
Birthdate	07Feb2013 Colour																
SireSire	BAR 5 PSA ESSENTIAL 413U																
Sire	BAR 5 PSA ENERGY 804X																
Dam	DOUBLE BAR D EVA 128X																
DamSire	BAR 5 SA HEMISPHERE 411R																
%ab	3	1	96	59	34	79	13	87	4	82	27						
ABC Acc	-6 25	6.9 52	57 43	23 15	26 46	82 45	-.52 50	.52 45	-.29 45	1.28 62	2479						
%wb	7	2	86	19	25	62	16	79	2	57	25						
CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade	SC	AdjSC
U	110	740	108	762	1165	3.61	3.41	50.5	6.1	3	13.7	14.3	1.63	1.74	PD	34.5	35.3

Tag	Pen	Tattoo												BIO\$			
Tag <b>1210</b>	Pen	Tattoo	<b>CO 1210A</b>	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF	SC	BIO\$			
Contact	RON NOLAN - BAR 5 STOCK FARMS																
HC/Breed	H SIMMENTAL																
Birthdate	10Feb2013 Colour																
SireSire	BAR 5 P SA EXPERT 826M																
Sire	BAR 5 P SA EVOLUTION-PEONA 418S																
Dam	CRIMSON MISS PORTIA FF																
DamSire	VIRGINIA'S PORSCHE 64P																
%ab	9	6	33	39	9	15	13	55	16	57	7						
ABC Acc	-4 30	4.0 52	34 44	19 28	14 49	48 47	-.53 53	.16 48	-16 48	.73 64	1477						
%wb	20	16	9	8	2	3	15	25	21	23	4						
CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade	SC	AdjSC
U	100	572	83	592	964	3.16	2.84	48.5	5.1	3	10.8	11.3	2.36	2.54	PD-A	31.5	32.4

# Bull Evaluation EOT Report

201415 Bar 5 #2



## Genetic Evaluations (24 Jan 2014)

Tag **1216** Pen      Tattoo **CO 1216A**  
 Contact **RON NOLAN - BAR 5 STOCK FARMS**  
 HC/Breed **H SIMMENTAL**      **519-986-1330**  
 Birthdate **05Mar2013**      Colour  
 SireSire **SALERIKA EVAN**  
 Sire **BAR 5 SA PFIDELITY 424R**  
 Dam **ANCHOR D ERIKA 380X**  
 DamSire **BAR 5 SA STRIDE 413P**

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF	SC	BIOS\$	
%ab	15	13	87	96	2	20	28	49	4	74	6	
ABC Acc	-2 32	2.6 55	49 47	34 21	2 50	52 49	-32 53	.09 48	-28 48	1.05 63	1378	
%wb	34	32	64	83	1	5	41	17	2	41	3	

  

CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade	SC	AdjSC
U	105	723	105	620	930	2.74	2.94	50.0	6.2	3	11.9	13.1	1.67	1.93	PD	33.0	34.8



**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
SIMMENTAL	11	91	105	717	641	728	838	972	1040	3.59	3.29	50.0	6.2	4	12.2	13.4	2.42	2.81	31.5
Group Averages	11	91	105	717	641	728	838	972	1040	3.59	3.29	50.0	6.2	4	12.2	13.4	2.42	2.81	31.5

**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 consignee 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.