



bio
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Heifer Development Centre Report

201372 Bar 5 Stock Farms #2

(End of Test)

Test Date: **08 Feb 2013** Days on Test:**115**

Centre Manager: **ANDREAS BUSCHBECK**

Start of Test Date: **16 Oct 2012**

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

End of Test Date: **08 Feb 2013**

EMail: **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 HEIFER(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, then the calves in the heifer evaluation centre will be regarded as UNOFFICIAL. Unofficial calves will not receive genetic evaluations, BIO Economic Indexes nor certificates.
 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 (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.

Heifer Development EOT Report

201372 Bar 5 Stock Farms #2



Genetic Evaluations (11 Feb 2013)

Tag 0219	Pen 2	Tattoo	IFZ 219Z
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Contact AGRO ZURITA
HC/Breed H SIMMENTAL
Birthdate 25Mar2012 Colour
SireSire KYKSO MIJU 9820H
Sire BAR 5 SA MALO 419T
Dam BAR 5 SA SISTER 803P
DamSire BAR 5 SA MR OPTIMAL 447L

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF
%ab	44	32	94	72	66	87	28	70	17
ABC Acc	1 PE	.5 PE	54 PE	25 PE	35 47	88 PE	-.34 56	.32 51	-.16 51
%wb	79	70	83	31	63	76	44	48	24

BIO\$	
N/R	

Tag 0222	Pen 2	Tattoo	IFZ 222Z
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Contact AGRO ZURITA
HC/Breed H SIMMENTAL
Birthdate 04Apr2012 Colour
SireSire NEELSMA HORRIS
Sire BAR 5 SA PRAFEKT 450P
Dam BAR 5 SA PEQUINA 827P
DamSire LATCO GOLD II

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF
%ab	17	12	30	68	30	29	29	57	35
ABC Acc	-2 PE	2.8 PE	33 PE	24 PE	24 49	57 PE	-.33 57	.16 52	-.06 52
%wb	39	32	8	26	19	9	45	25	61

BIO\$	
N/R	

Tag 1214	Pen 2	Tattoo	CO 1214Z
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Contact RON NOLAN - BAR 5 STOCK FARMS
HC/Breed H SIMMENTAL 519-986-1330
Birthdate 12Mar2012 Colour
SireSire KYKSO MIJU 9820H
Sire BAR 5 SA MALO 419T
Dam BAR 5 SA SAPHIRE 314T
DamSire BAR 5 SA PFIDELITY 424R

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF
%ab	73	71	96	87	60	87	34	61	5
ABC Acc	3 PE	-2.5 58	55 49	29 19	33 49	88 49	-.26 56	.22 51	-.27 51
%wb	96	96	86	58	56	76	56	33	4

BIO\$	
56	

3192

56

Tag 1218	Pen 2	Tattoo	CO 1218Z
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Contact RON NOLAN - BAR 5 STOCK FARMS
HC/Breed P SIMMENTAL 519-986-1330
Birthdate 17Mar2012 Colour
SireSire DORALEES LUCAS FF17U
Sire BAR 5 PFF LUKE 1215X
Dam PHS SILKY 11S
DamSire BAR 5 SA MR PFALZER 802M

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF
%ab	22	23	84	80	13	40	63	41	48
ABC Acc	-2 PE	1.5 57	47 46	26 18	15 46	63 46	.43 53	-.02 47	.01 47
%wb	47	54	60	42	3	18	98	9	80

BIO\$	
15	

1909

10

Tag 1219	Pen 2	Tattoo	CO 1219Z
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Contact RON NOLAN - BAR 5 STOCK FARMS
HC/Breed P SIMMENTAL 519-986-1330
Birthdate 23Mar2012 Colour
SireSire LATCO GOLD II
Sire BAR 5 SA JOE 412P
Dam DOUBLE BAR D FLASHY 294U
DamSire

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF
%ab	42	36	89	79	31	63	55	81	23
ABC Acc	0 PE	.2 50	50 41	26 17	24 42	74 42	.11 50	.43 45	-.12 45
%wb	78	75	69	42	19	42	90	68	35

BIO\$	
51	

3062

50

The Symbol of Quality for Beef Production

Heifer Development EOT Report

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Genetic Evaluations (11 Feb 2013)

Tag 6202	Pen 2	Tattoo	CO 6202Z											BIO\$	
Contact RON NOLAN - BAR 5 STOCK FARMS															
HC/Breed 1/2 SIMMENTAL / RED ANGUS				519-986-1330											
Birthdate 04Mar2012	Colour														
SireSire LATCO GOLD II															
Sire BAR 5 SA JOE 412P															
Dam RED MOOSE CREEK MARTHA 35M															
DamSire RED LEACHMAN ROBOBULL 8101															
Tag 6205	Pen 2	Tattoo	CO 6205Z											BIO\$	
Contact RON NOLAN - BAR 5 STOCK FARMS															
HC/Breed SIMMENTAL / CROSS				519-986-1330											
Birthdate 20Mar2012	Colour														
SireSire BAR 5 SA MR OPTIMAL 447L															
Sire BHR SA HAXOLD 690P															
Dam RED BCR FIREFLY 2S															
DamSire RED BRYLOR STALLION 46M															
Tag 9219	Pen 2	Tattoo	ACFB 9219Z											BIO\$	
Contact ANDREAS BUSCHBECK															
HC/Breed P SIMMENTAL				519-986-1330											
Birthdate 04Mar2012	Colour														
SireSire DORALEES LUCAS FF17U															
Sire BAR 5 PFF LUKE 1215X															
Dam MF PAMELA 26U															
DamSire SUNNY VALLEY SARGENT 24S															
Tag 9222	Pen 2	Tattoo	ACFB 9222Z											BIO\$	
Contact ANDREAS BUSCHBECK															
HC/Breed SIMMENTAL				519-986-1330											
Birthdate 10Mar2012	Colour														
SireSire KYKSO MIJU 9820H															
Sire BAR 5 SA MALO 419T															
Dam CHANDOR JIGELLE															
DamSire BAR 5 PAYMASTER 1334D															
Tag 9227	Pen 2	Tattoo	ACFB 9227Z											BIO\$	
Contact ANDREAS BUSCHBECK															
HC/Breed H SIMMENTAL				519-986-1330											
Birthdate 20Mar2012	Colour														
SireSire SALERIKA EVAN															
Sire BAR 5 SA PFIDELITY 424R															
Dam CHANDOR GOLDA 224U															
DamSire DOUBLE BAR D EVEREST 4R															

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Genetic Evaluations (11 Feb 2013)

Tag 9229 Pen 2 Tattoo ACFB 9229Z

Contact ANDREAS BUSCHBECK
HC/Breed H SIMMENTAL
Birthdate 25Mar2012 Colour
SireSire RPF P-10 FIRST CHOICE
Sire BUSCHBECK FIRST 9301W
Dam BAR 5 SA JEWEL 420R
DamSire SALERIKA EVAN

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF								
%ab	52	54	74	80	53	66	47	47	15	BIO\$							
ABC Acc	1 PE	-1.2 57	44 47	27 20	31 44	75 46	-.07 50	.06 45	-.18 45	37							
%wb	86	90	44	43	47	45	77	13	19	2670							
	CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%lmf	Adj%lmf	Grade	
	88	668			614	884	2.43	2.76	47.0	5.5	5	10.8	11.7	2.89	3.30	PD-A	33

Tag 9231 Pen 2 Tattoo ACFB 9231Z

Contact ANDREAS BUSCHBECK
HC/Breed H SIMMENTAL
Birthdate 27Mar2012 Colour
SireSire SALERIKA EVAN
Sire BAR 5 SA PFIDELITY 424R
Dam CHANDOR FF RISING STAR
DamSire BAR 5 P SA EXPERT 826M

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF								
%ab	28	27	97	97	23	71	9	53	3	BIO\$							
ABC Acc	-1 PE	1.1 55	57 47	34 21	21 46	77 47	-.61 53	.13 48	-.30 48	23							
%wb	58	62	89	87	11	52	12	20	2	2225							
	CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%lmf	Adj%lmf	Grade	
	95	761			722	956	2.00	3.01	49.5	6.7	3	11.2	12.2	1.96	2.25	PD-A	18

Tag 9233 Pen 2 Tattoo ACFB 9233Z

Contact ANDREAS BUSCHBECK
HC/Breed H SIMMENTAL
Birthdate 01Apr2012 Colour
SireSire SALERIKA EVAN
Sire BAR 5 SA PFIDELITY 424R
Dam FGAF ROMULA 502U
DamSire DAYTON'S SC. ROMULUS

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF								
%ab	8	6	78	98	16	39	39	56	18	BIO\$							
ABC Acc	-4 PE	4.3 57	45 48	36 24	17 49	62 49	-.20 53	.16 48	-.15 48	14							
%wb	20	17	49	91	5	17	63	25	25	1844							
	CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%lmf	Adj%lmf	Grade	
	97	684			634	864	2.03	2.76	50.0	7.0	5	10.6	11.6	2.74	3.20	PD-A	9

Tag 9235 Pen 2 Tattoo ACFB 9235Z

Contact ANDREAS BUSCHBECK
HC/Breed P SIMMENTAL
Birthdate 06Apr2012 Colour
SireSire DORALEES LUCAS FF17U
Sire BAR 5 PFF LUKE 1215X
Dam CHANDOR REV
DamSire BAR 5 SA PREVAN 437L

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF								
%ab	40	51	93	54	90	94	41	41	31	BIO\$							
ABC Acc	0 PE	-.9 52	53 42	21 18	44 44	97 43	-.16 52	-.02 46	-.08 46	54							
%wb	75	89	80	14	89	89	67	9	53	3131							
	CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%lmf	Adj%lmf	Grade	
	83	635			550	846	2.81	2.75	50.0	7.1	4	9.6	10.5	2.83	3.35	PD-A	54



Breed Summary Averages

Breed	#	% U	BWT	AWW	SOT	28D	56D	84D	EOT	ADG	WPDA	Hip Height	Frame Score	Back Fat	REA	Adj REA	Adj %IMF	Adj %IMF	Scrotal
SIMMENTAL	17		93	680	657	736	795	869	902	2.18	2.76	49.6	6.7	5	11.4	12.2	2.83	3.17	
CROSSBRED	2		86		654	719	768	834	864	1.86	2.60	49.3	6.5	7	11.4	12.1	4.16	4.53	
Group Averages	19		92	680	657	734	793	865	898	2.15	2.75	49.6	6.7	5	11.4	12.2	2.97	3.31	

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