



BIO
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Heifer Development Centre Report

201610 Bar 5 Heifers

(End of Test)

Test Date: **15 Jan 2016** Days on Test:**121**

Centre Manager: **RON NOLAN**

Start of Test Date: **16 Sep 2015**

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

End of Test Date: **15 Jan 2016**

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 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

201610 Bar 5 Heifers



Genetic Evaluations (27 Jan 2016)

Tag 0001	Pen	Tattoo	DONO 1C
Contact	RON NOLAN - BAR 5 STOCK FARMS		
HC/Breed	P SIMMENTAL		519-986-1330
Birthdate	01Jan2015	Colour	
SireSire	BAR 5 SA HERO 823M		
Sire	BAR 5 SA HEMISPHERE 411R		
Dam	DONO 5W		
DamSire			

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF
%ab	31	40	57	72	18	33	57	88	1
ABC Acc	0 27	-3 51	41 PE	26 PE	21 40	62 PE	.06 48	.63 43	-.36 43
%wb	65	78	21	40	10	12	85	88	1

BIOS\$	
N/R	

CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade
U	83	983		1015	1200	1.56	3.17	53.0	7.9	6	13.8	13.5	2.14	2.06	PD-A

Tag 0002	Pen	Tattoo	CO 220C
Contact	RON NOLAN - BAR 5 STOCK FARMS		
HC/Breed	H SIMMENTAL		519-986-1330
Birthdate	12Mar2015	Colour	
SireSire	CONGOSIM HEXVAS		
Sire	BAR 5 FF HEXAGON 412Y		
Dam	CO 403Y		
DamSire	SALERIKA ISAR 3DE		

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF
%ab	23	26	86	76	40	68	62	47	47
ABC Acc	-1 29	.9 57	50 47	27 11	28 47	78 47	.19 55	.17 50	-.01 50
%wb	51	58	57	47	32	44	93	22	77

BIOS\$	
33	
2786	
33	

CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade
U	90	713	105	634	820	1.54	2.65	49.0	6.6	6	10.7	11.8	3.13	3.70	A

Tag 0003	Pen	Tattoo	CO 231C
Contact	RON NOLAN - BAR 5 STOCK FARMS		
HC/Breed	H SIMMENTAL		519-986-1330
Birthdate	20Mar2015	Colour	
SireSire	LEEUPPOORT BRITS		
Sire	CO 809Z		
Dam	CO 213Z		
DamSire	BAR 5 SA PRAFEKT 450P		

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF
%ab	5	2	82	66	37	63	6	35	54
ABC Acc	-5 25	5.6 55	48 45	25 14	27 46	76 46	-.70 54	.01 49	.03 49
%wb	9	5	51	32	29	39	5	7	85

BIOS\$	
8	
1797	
6	

CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade
U	100	689	101	590	784	1.68	2.60	50.0	7.2	2	9.2	10.2	3.30	4.00	A

Tag 0004	Pen	Tattoo	CO 405C
Contact	RON NOLAN - BAR 5 STOCK FARMS		
HC/Breed	H SIMMENTAL		519-986-1330
Birthdate	15Jan2015	Colour	
SireSire	KYKSO KALGER		
Sire	BAR 5 SA KAPTAIN 427R		
Dam	BAR 5 SA LADY SISKI 409M		
DamSire	ERICO PRIMAL		

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF
%ab	22	13	94	84	84	93	52	69	47
ABC Acc	-1 37	2.5 59	55 51	29 24	41 52	96 52	-.04 58	.40 54	-.01 54
%wb	47	31	76	60	81	82	75	57	75

BIOS\$	
61	
3524	
60	

CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade
U	83	564	ET	646	950	2.37	2.60	52.0	7.5	5	10.8	10.8	3.68	3.68	A-AA

Tag 0005	Pen	Tattoo	CO 407C
Contact	RON NOLAN - BAR 5 STOCK FARMS		
HC/Breed	H SIMMENTAL		519-986-1330
Birthdate	25Jan2015	Colour	
SireSire	KYKSO KALGER		
Sire	BAR 5 SA KAPTAIN 427R		
Dam	BAR 5 SA LADY SISKI 409M		
DamSire	ERICO PRIMAL		

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF
%ab	20	12	98	84	86	97	53	86	45
ABC Acc	-2 37	2.6 59	62 51	29 24	42 52	104 52	-.02 58	.60 54	-.02 54
%wb	44	30	91	60	83	90	77	85	73

BIOS\$	
76	
3968	
74	

CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade
U	85	666	ET	762	1030	2.23	2.90	51.5	7.4	5	12.3	12.5	3.59	3.69	A-AA

Heifer Development EOT Report

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Genetic Evaluations (27 Jan 2016)

Tag	0006	Pen		Tattoo	CO 428C
Contact	RON NOLAN - BAR 5 STOCK FARMS				
HC/Breed	SIMMENTAL			519-986-1330	
Birthdate	18Mar2015	Colour			
SireSire	BAR 5 SA MR OPTIMAL 447L				
Sire	BHR SA HAXOLD 690P				
Dam	BHBJ 075N				
DamSire	FGAF WALL STREET 020X				

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF
%ab	1	4	82	51	30	58	13	66	3
ABC Acc	-8 23	4.4 50	48 39	22 7	25 41	73 40	-55 49	.37 44	-.31 44
%wb	2	11	50	19	21	34	12	52	2

BIOS\$	
16	
2232	
15	

CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade
H	95	636	ET	558	756	1.63	2.50	50.0	7.2	2	9.6	10.6	1.88	2.26	PD-A

Tag	0007	Pen		Tattoo	CO 435C
Contact	RON NOLAN - BAR 5 STOCK FARMS				
HC/Breed	3/4 SIMMENTAL 1/4 ANGUS			519-986-1330	
Birthdate	24Mar2015	Colour			
SireSire	BAR 5 SA MR OPTIMAL 447L				
Sire	BHR SA HAXOLD 690P				
Dam	CO 5502Y				
DamSire					

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF
%ab	38	41	62	79	50	58	46	80	33
ABC Acc	0 23	-.4 50	42 39	28 7	31 41	73 40	-.13 49	.52 44	-.07 44
%wb									

BIOS\$	
56	
3404	

CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade
U	85	581	ET	524	772	1.99	2.60	50.5	7.5	3	11.2	12.7	2.82	3.47	PD-A

Tag	0008	Pen		Tattoo	CO 1219C
Contact	RON NOLAN - BAR 5 STOCK FARMS				
HC/Breed	S SIMMENTAL			519-986-1330	
Birthdate	11Mar2015	Colour			
SireSire	CHAMPS BRAVO				
Sire	CO 1202A				
Dam	DOUBLE BAR D BETTY 94Z				
DamSire	JNR GRAVITY				

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF
%ab	32	29	88	36	59	79	13	30	61
ABC Acc	0 23	.6 51	51 41	20 16	34 42	84 42	-.55 50	-.06 44	.08 44
%wb	67	63	61	10	55	59	12	4	94

BIOS\$	
24	
2520	
24	

CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade
U	85	590	100	499	724	1.80	2.34	48.0	6.1	3	8.1	8.7	4.13	4.86	AA

Tag	0009	Pen		Tattoo	CO 1225C
Contact	RON NOLAN - BAR 5 STOCK FARMS				
HC/Breed	H SIMMENTAL			519-986-1330	
Birthdate	16Mar2015, Twin	Colour			
SireSire	BAR 5 PSA ESSENTIAL 413U				
Sire	CO 304Z				
Dam	DOUBLE BAR D EVA 128X				
DamSire	BAR 5 SA HEMISPHERE 411R				

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF
%ab	6	3	95	78	51	84	6	64	4
ABC Acc	-5 24	5.1 52	56 42	27 19	32 44	87 43	-.72 51	.35 46	-.29 46
%wb	11	7	78	50	46	66	4	49	2

BIOS\$	
21	
2406	
20	

CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade
U	85	684	100	532	750	1.85	2.46	50.0	7.1	2	10.1	11.2	2.46	2.94	PD-A

Tag	0010	Pen		Tattoo	CO 1226C
Contact	RON NOLAN - BAR 5 STOCK FARMS				
HC/Breed	H SIMMENTAL			519-986-1330	
Birthdate	16Mar2015, Twin	Colour			
SireSire	BAR 5 PSA ESSENTIAL 413U				
Sire	CO 304Z				
Dam	DOUBLE BAR D EVA 128X				
DamSire	BAR 5 SA HEMISPHERE 411R				

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF
%ab	14	11	94	78	57	84	17	60	5
ABC Acc	-3 24	2.7 52	55 42	27 19	33 44	88 43	-.50 51	.31 46	-.27 46
%wb	30	28	76	50	52	67	17	42	3

BIOS\$	
30	
2720	
31	

CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade
U	75	653	96	514	758	1.99	2.49	49.0	6.6	3	9.7	10.7	2.63	3.15	PD-A

Heifer Development EOT Report

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Genetic Evaluations (27 Jan 2016)

Tag **0011** Pen Tattoo **CO 1229C**
 Contact **RON NOLAN - BAR 5 STOCK FARMS**
 HC/Breed **P SIMMENTAL** **519-986-1330**
 Birthdate **20Mar2015** Colour
 SireSire **CHAMPS BRAVO**
 Sire **CO 1202A**
 Dam **LAK 306Z**
 DamSire **BAR 5 P SA EVOLUTION-PEONA 418S**

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF
%ab	12	5	38	36	34	36	7	67	6
ABC Acc	-3 28	4.0 55	36 45	19 17	27 46	63 46	-0.67 53	.38 48	-0.25 48
%wb	25	14	10	9	26	14	6	53	4

BIO\$
15
2168
13

CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade
U	90	558	82	456	670	1.76	2.23	47.5	5.9	2	9.8	10.9	2.36	2.86	PD-A

Tag **0012** Pen Tattoo **CO 1234C**
 Contact **RON NOLAN - BAR 5 STOCK FARMS**
 HC/Breed **H 1/2 SIMMENTAL 1/2 CROSSBRED** **519-986-1330**
 Birthdate **23Mar2015** Colour
 SireSire **BAR 5 PSA ESSENTIAL 413U**
 Sire **CO 304Z**
 Dam **CKCW 185Z**
 DamSire

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF
%ab	18	15	42	67	11	20	19	38	33
ABC Acc	-2 21	2.2 49	37 39	25 12	16 40	54 40	-0.46 48	.06 43	-0.08 43
%wb									

BIO\$
6
1680

CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade
U	95	641	94	548	714	1.49	2.40	49.0	6.7	3	9.4	10.5	3.15	3.86	A

Tag **0013** Pen Tattoo **CO 4222C**
 Contact **RON NOLAN - BAR 5 STOCK FARMS**
 HC/Breed **P SIMMENTAL** **519-986-1330**
 Birthdate **15Mar2015** Colour
 SireSire
 Sire **CO 02Z**
 Dam **CO 4401Y**
 DamSire **BAR 5 SA GLOVER 854T**

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF
%ab	12	7	97	79	81	94	49	65	17
ABC Acc	-3 23	3.6 52	59 41	28 10	40 40	99 41	-0.09 48	.36 43	-0.16 43
%wb	25	18	86	52	78	85	70	50	21

BIO\$
49
3215
49

CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade
U	102	737	108	634	908	2.22	2.97	50.0	7.1	4	10.4	11.5	2.55	3.04	PD-A

Tag **0014** Pen Tattoo **CO 4227C**
 Contact **RON NOLAN - BAR 5 STOCK FARMS**
 HC/Breed **H SIMMENTAL** **519-986-1330**
 Birthdate **16Mar2015** Colour
 SireSire **LEEPOORT BRITS**
 Sire **CO 809Z**
 Dam **FGAF JUSTICE 909Z**
 DamSire **CHAMPS TRILOGY**

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF
%ab	7	4	99	86	96	99	14	64	41
ABC Acc	-4 26	4.4 56	66 46	30 14	51 47	118 47	-0.55 51	.35 45	-0.04 45
%wb	14	11	96	64	94	96	12	48	67

BIO\$
58
3447
56

CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade
U	95	784	115	652	900	2.04	2.95	51.0	7.6	3	9.9	11.0	3.08	3.69	A



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	13	92	89	680	617	682	752	792	848	1.90	2.65	50.1	7.1	4	10.4	11.3	2.90	3.34	
CROSSBRED	1	100	95	641	548	548	596	666	714	1.49	2.40	49.0	6.7	3	9.4	10.5	3.15	3.86	
Group Averages	14	93	89	677	612	672	740	783	838	1.87	2.63	50.0	7.0	4	10.4	11.2	2.92	3.38	

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