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Bull Evaluation Centre Report

201020 CHAMPLAIN RED ANGUS

(End of Test)

Test Date: **16 Sep 2009** Days on Test: **127**

Centre Manager: **WILSON RAE**

Start of Test Date: **12 May 2009**

Phone #: **613-646-2089**

End of Test Date: **16 Sep 2009**

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

Pick Up Date:

Address: **R.R.#2,1154 GRANTS SETTLEMENT RD. , FORESTERS FALLS , ON , K0J 1V0**

Ration Statement:

Note:

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).
- **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

201020 CHAMPLAIN RED ANGUS



Genetic Evaluations (04 Nov 2009)

Tag **9258** Pen Tattoo **RAE 5U**
 Contact **WILSON RAE - CHAMPLAIN ANGUS**
 HC/Breed **P RED ANGUS** **613-646-2089**
 Birthdate **13Aug2008** Colour **RED**
 SireSire **RED BLUE RIDGE PONDEROSA**
 Sire **RED LCB HOSS A444N**
 Dam **RED CHAMPLAIN FIELD DAY 11S**
 DamSire **RED LCC FIELD DAY A614N**

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF	SC	PPIndex	BBIndex
%ab	97	96	98	70	91	97	87	9	77	12	80	75
ABC Acc	8 24	-6.3 53	58 42	23 11	43 47	101 45	1.12 51	-0.46 45	.36 45	-0.96 60	4315	3427
%wb	92	88	98	57	81	95	60	20	26	1	47	67

CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade	SC	AdjSC
U	75	696	101	768	1383	4.75	3.47	51.5	5.8	9	14.0	13.2	3.41	3.12	A	32.5	31.3

Tag **9259** Pen Tattoo **RAE 7U**
 Contact **WILSON RAE - CHAMPLAIN ANGUS**
 HC/Breed **P RED ANGUS** **613-646-2089**
 Birthdate **19Aug2008** Colour **RED**
 SireSire **RED LCC MAJOR LEAGUE A502M**
 Sire **RED GOLD-BAR STONE C**
 Dam **17P**
 DamSire **BIEBER CHIEFTON 3080**

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF	SC	PPIndex	BBIndex
%ab	84	84	98	98	99	99	85	32	75	54	93	94
ABC Acc	4 28	-3.9 57	58 46	35 20	55 50	113 48	1.04 53	-0.13 48	.33 48	.62 61	5363	4244
%wb	52	54	98	97	97	98	52	71	20	31	78	91

CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade	SC	AdjSC
U	82	714	104	876	1477	4.57	3.76	53.5	6.9	9	15.0	14.3	3.06	2.84	A	38.0	37.0

Tag **9260** Pen Tattoo **RAE 10U**
 Contact **WILSON RAE - CHAMPLAIN ANGUS**
 HC/Breed **P RED ANGUS** **613-646-2089**
 Birthdate **19Aug2008** Colour **RED**
 SireSire **RED LCC MAJOR LEAGUE A502M**
 Sire **RED GOLD-BAR STONE C**
 Dam **RAE 30M**
 DamSire **RED CHAMPLAIN TASSEL 29K**

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF	SC	PPIndex	BBIndex
%ab	50	50	72	97	89	85	81	15	82	66	79	55
ABC Acc	1 27	-0.9 56	41 44	34 22	41 49	82 47	.92 52	-0.35 47	.42 47	.86 63	4255	2935
%wb	10	11	71	96	76	76	41	35	42	50	45	45

CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade	SC	AdjSC
U	90	644	93	760	1286	4.17	3.27	50.5	5.4	7	13.2	12.6	3.50	3.25	A-AA	38.5	37.5

Tag **9261** Pen Tattoo **RAE 11U**
 Contact **WILSON RAE - CHAMPLAIN ANGUS**
 HC/Breed **P RED ANGUS** **613-646-2089**
 Birthdate **19Aug2008** Colour **RED**
 SireSire **RED LCC MAJOR LEAGUE A502M**
 Sire **RED GOLD-BAR STONE C**
 Dam **RED CHAMPLAIN CATALYST MAY 14R**
 DamSire **RED GP CATALYST 02S**

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF	SC	PPIndex	BBIndex
%ab	79	79	97	99	99	99	65	48	78	87	96	95
ABC Acc	4 30	-3.3 58	55 48	37 19	57 50	112 49	.45 54	.04 49	.37 49	1.41 62	5947	4317
%wb	40	41	97	98	97	98	7	90	28	82	89	92

CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade	SC	AdjSC
U	84	711	103	808	1406	4.73	3.58	53.5	6.9	4	16.0	15.2	2.90	2.69	A	41.0	40.0

Tag **9262** Pen Tattoo **RAE 13U**
 Contact **WILSON RAE - CHAMPLAIN ANGUS**
 HC/Breed **P RED ANGUS** **613-646-2089**
 Birthdate **19Aug2008** Colour **RED**
 SireSire **RED BLUE RIDGE PONDEROSA**
 Sire **RED LCB HOSS A444N**
 Dam **RED JCC GIDGET 81S**
 DamSire **RED JCC MYSTIC 23N**

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF	SC	PPIndex	BBIndex
%ab	95	95	97	91	79	94	68	4	64	50	65	55
ABC Acc	7 18	-5.8 48	56 37	29 9	36 42	92 40	.54 46	-0.58 40	.15 40	.53 59	3513	2954
%wb	84	84	98	86	57	89	10	9	1	26	25	46

CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade	SC	AdjSC
U	76	751	109	860	1376	4.11	3.50	53.5	6.9	6	12.9	12.3	2.14	1.99	PD-A	38.0	37.0

Bull Evaluation EOT Report

201020 CHAMPLAIN RED ANGUS



Genetic Evaluations (04 Nov 2009)

Tag	Pen	Tattoo	RAE 17U
Contact	WILSON RAE - CHAMPLAIN ANGUS		
HC/Breed	P	RED ANGUS	613-646-2089
Birthdate	02Sep2008, Twin	Colour	RED
SireSire	RED BLUE RIDGE PONDEROSA		
Sire	RED LCB HOSS A444N		
Dam	RED JCC COUNTESS 90S		
DamSire	RED TER-RON MAMBO 28K		

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF	SC	PPIndex	BBIndex
%ab	97	97	99	98	76	97	69	3	65	37	68	58
ABC Acc	7 ¹⁹	-6.6 ⁴⁸	65 ³⁸	36 ¹²	35 ⁴³	100 ⁴¹	.57 ⁴⁷	-.64 ⁴¹	.17 ⁴¹	.18 ⁶⁰	3670	3014
%wb	91	90	99	97	51	95	12	6	2	12	28	49

CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade	SC	AdjSC
U	58	827	120	706	1198	3.97	3.16	50.5	5.6	6	12.0	11.7	2.20	2.12	PD-A	36.0	35.5

Tag	Pen	Tattoo	RAE 21U
Contact	WILSON RAE - CHAMPLAIN ANGUS		
HC/Breed	P	RED ANGUS	613-646-2089
Birthdate	04Sep2008	Colour	RED
SireSire	RED LCC MAJOR LEAGUE A502M		
Sire	RED GOLD-BAR STONE C		
Dam	RAE 17M		
DamSire	RED GLACIER MARIAS 548E		

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF	SC	PPIndex	BBIndex
%ab	34	30	68	99	92	86	73	27	81	65	82	57
ABC Acc	0 ³¹	.9 ⁵⁸	40 ⁴⁷	37 ²³	43 ⁴⁹	82 ⁴⁸	.69 ⁵²	-.20 ⁴⁷	.41 ⁴⁷	.83 ⁶²	4422	2996
%wb	4	4	66	98	81	77	20	61	38	48	51	48

CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade	SC	AdjSC
U	94	674	98	753	1279	4.18	3.39	52.0	6.3	5	13.7	13.4	3.16	3.06	A	38.0	37.6

Tag	Pen	Tattoo	RAE 23U
Contact	WILSON RAE - CHAMPLAIN ANGUS		
HC/Breed	P	RED ANGUS	613-646-2089
Birthdate	09Sep2008	Colour	RED
SireSire	RED BJR HIGH CAPACITY 008		
Sire	RED BRYLOR RSTD HIGH CAPACITY		
Dam	RED CHAMPLAIN N HAWK 2S		
DamSire	RED GEIS KNIGHT HAWK		

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF	SC	PPIndex	BBIndex
%ab	81	79	39	54	65	54	84	4	90	40	67	24
ABC Acc	4 ²⁴	-3.3 ⁵⁴	32 ⁴¹	21 ⁹	32 ⁴⁷	64 ⁴⁴	1.00 ⁵¹	-.57 ⁴⁶	.51 ⁴⁶	.25 ⁶⁰	3606	2190
%wb	44	41	34	36	35	34	49	9	67	14	27	16

CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade	SC	AdjSC
U	82	611	89	676	1196	4.07	3.22	51.0	5.9	7	12.3	12.2	4.33	4.25	AA	36.0	35.7

Tag	Pen	Tattoo	RAE 28U
Contact	WILSON RAE - CHAMPLAIN ANGUS		
HC/Breed	P	1/2 SIMMENTAL / RED ANGUS	613-646-2089
Birthdate	29Sep2008, Twin	Colour	RED
SireSire	BAR 5 P SA EXPERT 826M		
Sire	PHS POLLED SAMSON		
Dam	RED CHAMPLAIN ECHETA LEAD 1N		
DamSire	RED BUF CRK BARNEY 3474		

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF	SC	PPIndex	BBIndex
%ab	9	4	99	97	80	98	57	63	66	65	66	58
ABC Acc	-4 ²⁸	5.2 ⁵⁷	68 ⁴⁶	34 ²⁰	37 ⁴⁹	104 ⁴⁸	.17 ⁵²	.18 ⁴⁷	.19 ⁴⁷	.85 ⁶¹	3544	3006
%wb												

CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade	SC	AdjSC
U	96	861		740	1310	4.45	3.72	52.0	6.7	5	15.2	15.6	3.14	3.26	A	38.0	38.5

Tag	Pen	Tattoo	RAE 36U
Contact	WILSON RAE - CHAMPLAIN ANGUS		
HC/Breed	P	1/2 SIMMENTAL / RED ANGUS	613-646-2089
Birthdate	15Oct2008	Colour	RED
SireSire	BAR 5 P SA EXPERT 826M		
Sire	PHS POLLED SAMSON		
Dam	RAE 15R		
DamSire	RED GP CATALYST 02S		

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF	SC	PPIndex	BBIndex
%ab	31	25	98	96	75	93	93	84	84	78	88	86
ABC Acc	-1 ³¹	1.4 ⁵⁸	57 ⁴⁸	33 ¹⁹	35 ⁵⁰	91 ⁴⁹	1.33 ⁵⁴	.43 ⁴⁹	.44 ⁴⁹	1.13 ⁶⁰	4904	3792
%wb												

CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade	SC	AdjSC
U	105	768	111	708	1250	4.26	3.72	51.5	6.6	10	16.4	17.4	4.12	4.48	AA	38.5	39.6

Bull Evaluation EOT Report

201020 CHAMPLAIN RED ANGUS



Genetic Evaluations (04 Nov 2009)

Tag **9272** Pen Tattoo **RAE 29U**
 Contact **WILSON RAE - CHAMPLAIN ANGUS**
 HC/Breed **P 1/2 SIMMENTAL / RED ANGUS** **613-646-2089**
 Birthdate **29Sep2008, Twin** Colour **RED**
 SireSire **BAR 5 P SA EXPERT 826M**
 Sire **PHS POLLED SAMSON**
 Dam **RED CHAMPLAIN ECHETA LEAD 1N**
 DamSire **RED BUF CRK BARNEY 3474**

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF	SC	PPIndex	BBIndex					
%ab	26	18	99	97	45	95	59	58	54	82	54	56					
ABC Acc	-1 28	2.2 57	69 46	34 20	26 49	94 48	.23 52	.13 47	.04 47	1.23 61	3043	2976					
%wb																	
CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade	SC	AdjSC
U	86	863		750	1225	3.65	3.48	51.0	6.2	5	14.8	15.2	1.80	1.87	PD	40.0	40.5



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
RED ANGUS	8	100	80	704	776	919	1068	1212	1325	4.32	3.42	52.0	6.2	7	13.6	13.1	3.09	2.91	37.3
CROSSBRED	3	100	96	831	733	871	1017	1141	1262	4.12	3.64	51.5	6.5	7	15.5	16.1	3.02	3.20	38.8
Group Averages	11	100	84	738	764	906	1054	1192	1308	4.26	3.48	51.9	6.3	7	14.1	13.9	3.07	2.99	37.7

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