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Heifer Development Centre Report

201070 CHAMPLAIN ANGUS A

(End of Test)

Test Date: **16 Sep 2009** Days on Test: **155**

Centre Manager: **WILSON RAE**

Start of Test Date: **14 Apr 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.

Heifer Development EOT Report

201070 CHAMPLAIN ANGUS A



Genetic Evaluations (04 Nov 2009)

Tag	Pen	Tattoo	RAE 1U
Contact	WILSON RAE - CHAMPLAIN ANGUS		
HC/Breed	P	RED ANGUS	613-646-2089
Birthdate	08Aug2008	Colour	RED
SireSire	RED KBJ KNIGHT 17J		
Sire	RED GEIS KNIGHT HAWK		
Dam	RED SVR FOAY 51R		
DamSire	RED LCC MAJOR LEAGUE A502M		

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF
%ab	79	89	90	67	94	94	87	36	95
ABC Acc	4 30	-4.6 55	48 46	23 16	45 46	93 46	1.10 52	-.09 48	.61 47
%wb	40	68	90	52	86	90	58	77	85

PPIndex	BBIndex
95	85
5673	3758
84	79

CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade
U	76	726	108	790	1008	1.41	2.50	49.0	5.7	4	10.5	9.9	4.61	4.17	AA

Tag	Pen	Tattoo	RAE 2U
Contact	WILSON RAE - CHAMPLAIN ANGUS		
HC/Breed	P	RED ANGUS	613-646-2089
Birthdate	09Aug2008	Colour	RED
SireSire	RED LCC MAJOR LEAGUE A502M		
Sire	RED GOLD-BAR STONE C		
Dam	RAE 11N		
DamSire	RED GLACIER CHATEAU 744		

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF
%ab	89	90	47	96	95	83	75	36	73
ABC Acc	5 30	-4.7 58	34 48	33 22	46 46	80 47	.75 52	-.09 46	.31 46
%wb	66	69	44	94	88	73	25	78	15

PPIndex	BBIndex
86	82
4733	3643
60	75

CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade
U	72	562	84	624	868	1.57	2.15	49.0	5.7	2	9.5	9.0	3.28	2.97	A

Tag	Pen	Tattoo	RAE 3U
Contact	WILSON RAE - CHAMPLAIN ANGUS		
HC/Breed	P	RED ANGUS	613-646-2089
Birthdate	09Aug2008	Colour	RED
SireSire	RED BLUE RIDGE PONDEROSA		
Sire	RED LCB HOSS A444N		
Dam	RAE 8S		
DamSire	RED LCC FIELD DAY A614N		

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF
%ab	99	99	85	54	50	71	73	2	68
ABC Acc	9 24	-8.4 53	45 43	21 11	27 43	72 43	.69 51	-.68 45	.23 45
%wb	97	97	85	36	20	56	20	4	5

PPIndex	BBIndex
57	37
3164	2525
16	27

CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade
U	60	643	96	658	826	1.08	2.05	48.5	5.4	2	7.5	7.2	3.05	2.76	A

Tag	Pen	Tattoo	RAE 4U
Contact	WILSON RAE - CHAMPLAIN ANGUS		
HC/Breed	P	RED ANGUS	613-646-2089
Birthdate	12Aug2008	Colour	RED
SireSire	RED KBJ KNIGHT 17J		
Sire	RED GEIS KNIGHT HAWK		
Dam	09P		
DamSire	RED LCC MAJOR LEAGUE A502M		

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF
%ab	61	72	92	69	95	95	87	34	97
ABC Acc	2 31	-2.6 58	50 48	23 18	46 48	96 48	1.11 55	-.11 51	.66 51
%wb	16	29	93	55	88	92	59	75	90

PPIndex	BBIndex
95	82
5690	3640
85	75

CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade
U	81	734	110	798	1049	1.62	2.62	49.5	5.9	4	10.3	9.8	4.97	4.54	AA-AAA

Tag	Pen	Tattoo	RAE 6U
Contact	WILSON RAE - CHAMPLAIN ANGUS		
HC/Breed	P	RED ANGUS	613-646-2089
Birthdate	14Aug2008	Colour	RED
SireSire	RED BECKTON JULIAN GG B571		
Sire	RED BUF CRK ROMEO L081		
Dam	ATL 205S		
DamSire			

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF
%ab	98	98	93	95	82	90	96	10	87
ABC Acc	8 28	-7.6 51	50 43	32 21	37 43	87 43	1.51 50	-.43 46	.47 46
%wb	94	95	93	93	62	84	86	24	57

PPIndex	BBIndex
81	67
4377	3219
49	57

CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade
U	62	684	102	748	948	1.29	2.38	48.0	5.2	7	8.3	8.0	4.38	4.02	AA

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Genetic Evaluations (04 Nov 2009)

Tag	Pen	Tattoo	RAE 9U
Contact	WILSON RAE - CHAMPLAIN ANGUS		
HC/Breed	P	RED ANGUS	613-646-2089
Birthdate	18Aug2008	Colour	RED
SireSire	RED BJR HIGH CAPACITY 008		
Sire	RED BRYLOR RSTD HIGH CAPACITY		
Dam	RAE 5S		
DamSire	RED GP CATALYST 025		

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF
%ab	87	83	50	83	84	72	83	28	71
ABC Acc	5 25	-3.7 55	35 43	26 11	38 43	73 43	.96 51	-.18 46	.28 46
%wb	60	50	47	75	66	57	46	65	10

PPIndex	BBIndex
71	62
3787	3109
32	52

CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade
U	70	601	90	590	863	1.76	2.19	49.0	5.7	3	10.0	9.6	3.14	2.91	A

Tag	Pen	Tattoo	RAE 12U
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 BRYLOR MARTHA 129R		
DamSire	RED RINGSTEAD RTC H0904 15N		

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF
%ab	57	57	53	90	84	74	85	23	91
ABC Acc	2 27	-1.4 54	36 44	29 14	38 41	74 43	1.03 48	-.25 43	.53 43
%wb	14	15	51	86	67	60	52	54	71

PPIndex	BBIndex
81	51
4375	2847
49	42

CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade
U	78	608	91	630	848	1.41	2.16	50.0	6.3	4	9.5	9.1	5.06	4.70	AA-AAA

Tag	Pen	Tattoo	RAE 15U
Contact	WILSON RAE - CHAMPLAIN ANGUS		
HC/Breed	P	RED ANGUS	613-646-2089
Birthdate	23Aug2008	Colour	RED
SireSire	RED LCC MAJOR LEAGUE A502M		
Sire	RED GOLD-BAR STONE C		
Dam	RAE 3R		
DamSire	RED GLACIER CHATEAU 744		

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF
%ab	61	56	92	98	94	95	88	34	79
ABC Acc	2 30	-1.3 57	49 48	36 18	46 46	95 47	1.16 53	-.12 48	.38 48
%wb	16	14	92	97	87	92	63	74	30

PPIndex	BBIndex
84	79
4553	3550
55	72

CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade
U	84	702	105	720	928	1.34	2.39	49.0	5.8	4	9.4	9.1	4.00	3.75	AA

Tag	Pen	Tattoo	RAE 16U
Contact	WILSON RAE - CHAMPLAIN ANGUS		
HC/Breed	P	RED ANGUS	613-646-2089
Birthdate	26Aug2008	Colour	RED
SireSire	RED BJR HIGH CAPACITY 008		
Sire	RED BRYLOR RSTD HIGH CAPACITY		
Dam	RAE 04S		
DamSire	RED GP CATALYST 025		

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF
%ab	89	85	71	83	93	88	84	17	69
ABC Acc	5 25	-4.0 55	40 43	26 11	44 43	84 43	1.01 51	-.32 46	.24 46
%wb	65	56	70	75	83	80	50	39	6

PPIndex	BBIndex
71	68
3777	3244
31	59

CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade
U	72	647	97	620	928	1.99	2.40	50.0	6.3	4	9.0	8.8	3.26	3.08	A

Tag	Pen	Tattoo	RAE 18U
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 COUNTRESS 90S		
DamSire	RED TER-RON MAMBO 28K		

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF
%ab	82	78	98	98	77	94	76	18	74
ABC Acc	4 19	-3.2 48	57 38	36 12	35 39	93 39	.76 47	-.32 41	.32 41
%wb	47	39	98	97	53	90	26	41	17

PPIndex	BBIndex
78	64
4176	3147
43	54

CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade
U	64	812	121	650	880	1.48	2.32	49.5	6.1	3	10.1	9.9	4.12	3.97	AA

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Genetic Evaluations (04 Nov 2009)

Tag 0020 Pen Tattoo **RAE 20U**
 Contact **WILSON RAE - CHAMPLAIN ANGUS**
 HC/Breed **P RED ANGUS** **613-646-2089**
 Birthdate **04Sep2008** Colour **RED**
 SireSire **RED KBJ KNIGHT 17J**
 Sire **RED GEIS KNIGHT HAWK**
 Dam **02P**
 DamSire **RED BUF CRK ROMEO L081**

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF
%ab	66	72	77	83	94	90	82	47	85
ABC Acc	2 31	-2.6 58	42 48	26 18	45 48	87 48	.94 55	.03 51	.45 51
%wb	21	29	76	75	86	84	43	89	50

PPIndex	BBIndex
90	83
5082	3692
70	77

CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade
U	89	702	105	700	970	1.74	2.57	49.0	5.9	2	10.4	10.2	3.73	3.61	A-AA

Tag 0022 Pen Tattoo **RAE 22U**
 Contact **WILSON RAE - CHAMPLAIN ANGUS**
 HC/Breed **P RED ANGUS** **613-646-2089**
 Birthdate **06Sep2008** Colour **RED**
 SireSire **RED BECKTON JULIAN GG B571**
 Sire **RED BUF CRK ROMEO L081**
 Dam **BDL 107S**
 DamSire

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF
%ab	86	83	90	91	91	93	79	33	71
ABC Acc	5 28	-3.7 51	48 43	30 21	43 43	90 43	.86 50	-.12 46	.27 46
%wb	58	50	90	87	81	88	36	74	9

PPIndex	BBIndex
81	80
4377	3581
49	73

CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade
U	82	694	104	675	928	1.63	2.47	48.5	5.7	3	9.9	9.8	2.97	2.89	A

Tag 0024 Pen Tattoo **RAE 24U**
 Contact **WILSON RAE - CHAMPLAIN ANGUS**
 HC/Breed **P RED ANGUS** **613-646-2089**
 Birthdate **25Sep2008** Colour **RED**
 SireSire **RED GP CATALYST 025**
 Sire **RAE 6S**
 Dam **LEVI 104S**
 DamSire **RED JCC MYSTIC 23N**

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF
%ab	75	75	72	93	80	79	83	19	92
ABC Acc	3 24	-2.9 49	41 40	30 14	36 40	77 40	.97 48	-.30 42	.54 42
%wb	33	34	71	89	59	66	47	43	75

PPIndex	BBIndex
84	54
4594	2926
56	45

CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade
U	75	688	103	588	829	1.55	2.33	48.0	5.6	3	8.4	8.5	4.50	4.61	AA

Heifer Development EOT Report

201070 CHAMPLAIN ANGUS A

Unofficial



Genetic Evaluations (04 Nov 2009)

Tag	G018	Pen		Tattoo	GIBS 8T
Contact	WILSON RAE - CHAMPLAIN ANGUS				
HC/Breed	RED ANGUS				613-646-2089
Birthdate	16Dec2007	Colour			
SireSire	RED BJR HIGH CAPACITY 008				
Sire	RED UBAR SEQUOIA 202				
Dam	RED SWAN CREK AMY DDMM D 202N				
DamSire	RED DIAMOND D MAKE MY DAY 90L				

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF
%ab	83	79	77	91					
ABC Acc	4 PE	-3.3 PE	42 PE	29 PE					
%wb	49	41	76	87					

PPIndex	BBIndex
N/R	N/R

CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade
	55	N/A	ET		1068		1.67			7	12.2	8.9	4.89	2.79	AA-AAA



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	13	100	74	677	676				913	1.53	2.35	49.0	5.8	3	9.4	9.1	3.93	3.69	
Group Averages	13	100	74	677	676				913	1.53	2.35	49.0	5.8	3	9.4	9.1	3.93	3.69	
Unofficial	1		55						1068	.00	1.67			7	12.2	8.9	4.89	2.79	

Note: Measurements from Unofficial Bulls are not included in the Group Averages above.

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