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Bull Evaluation Centre Report

201322 SUNNY MEADOWS　　　　**(End of Test)**　　Test Date: **27 Jan 2013**　Days on Test:**112**

Centre Manager:	**ANDREW MILLAR**
Phone #:	**705-887-5142**
EMail:	**sunnymeadowscharolais@hotmail.com**
Address:	**109 BULMER'S RD.,R.R. #2 , FENELON FALLS , ON , K0M 1N0**
Ration Statement:	**Balanced pelleted ration with free choice hay**

Start of Test Date: **07 Oct 2012**
End of Test Date: **27 Jan 2013**
Pick Up Date:

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.

The Symbol of Quality for Beef Production

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 <u>unassisted</u> 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.

Genetic Evaluations (05 Feb 2013)

Tag 0113 | Pen | Tattoo | RAC 10Y

Contact **ANDREW MILLAR - SUNNY MEADOWS**
HC/Breed **CHAROLAIS** 705-887-5142
Birthdate **13Dec2011** Colour
SireSire **CEDARDALE REBEL 3R**
Sire **CEDARDALE UNCONDITIONAL18U**
Dam **SUNNY MEADOWS 10P**
DamSire **PCFL MIDAS 82G**

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF	SC	BIO$
%ab	24	19	76	6	66	74	33	92	26	53	64
ABC Acc	-1 33	1.9 58	44 49	10 20	34 52	79 51	-.27 53	.61 48	-.10 48	.65 65	3402
%wb	62	55	63	9	43	53	49	87	26	68	65

CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade	SC	AdjSC
U	90	642	100	1002	1502	4.46	3.65	54.0	6.9	5	17.5	16.1	2.20	1.95	PD-A	39.0	37.3

Tag 0114 | Pen | Tattoo | RAC 301Z

Contact **ANDREW MILLAR - SUNNY MEADOWS**
HC/Breed **CHAROLAIS** 705-887-5142
Birthdate **06Jan2012** Colour
SireSire **CEDARDALE REBEL 3R**
Sire **CEDARDALE UNCONDITIONAL18U**
Dam **RAC 301S**
DamSire **WHITEWATER PREMIUM 2P**

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF	SC	BIO$
%ab	31	28	35	5	34	33	19	75	20	45	32
ABC Acc	-1 32	.9 59	34 49	9 19	25 49	59 49	-.45 51	.37 46	-.14 46	.50 63	2519
%wb	71	71	19	7	13	12	24	63	17	59	30

CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade	SC	AdjSC
U	91	593	92	1016	1453	3.90	3.75	55.0	7.7	4	16.1	15.4	1.73	1.63	PD	36.0	35.2

Tag 0115 | Pen | Tattoo | RAC 792Z

Contact **ANDREW MILLAR - SUNNY MEADOWS**
HC/Breed **CHAROLAIS** 705-887-5142
Birthdate **16Jan2012** Colour
SireSire **CEDARDALE REBEL 3R**
Sire **CEDARDALE UNCONDITIONAL18U**
Dam **RAC 792R**
DamSire **WHITEWATER PREMIUM 2P**

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF	SC	BIO$
%ab	26	24	82	7	99	98	19	72	28	87	81
ABC Acc	-1 32	1.3 59	46 49	10 18	63 49	109 49	-.46 52	.34 47	-.09 47	1.44 64	3959
%wb	64	65	71	9	99	96	23	59	30	94	83

CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade	SC	AdjSC
U	89	627	97	810	1439	5.62	3.82	55.0	7.8	4	15.7	15.3	2.12	2.05	PD-A	39.5	39.1

Tag 0116 | Pen | Tattoo | RAC 322Y

Contact **ANDREW MILLAR - SUNNY MEADOWS**
HC/Breed **CHAROLAIS** 705-887-5142
Birthdate **17Dec2011** Colour
SireSire **CEDARDALE REBEL 3R**
Sire **CEDARDALE UNCONDITIONAL18U**
Dam **RAC 321M**
DamSire **PCFL MIDAS 82G**

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF	SC	BIO$
%ab	17	12	52	3	88	77	32	73	28	16	48
ABC Acc	-2 32	2.9 58	38 49	8 20	43 50	81 50	-.29 53	.34 48	-.09 48	-.41 65	2976
%wb	48	38	34	4	74	58	47	59	29	11	47

CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade	SC	AdjSC
U	92	556	86	867	1442	5.13	3.54	50.0	5.0	6	15.9	14.7	1.96	1.76	PD-A	34.5	33.0

Tag 0117 | Pen | Tattoo | RAC 321Y

Contact **ANDREW MILLAR - SUNNY MEADOWS**
HC/Breed **CHAROLAIS** 705-887-5142
Birthdate **13Dec2011** Colour
SireSire **CEDARDALE REBEL 3R**
Sire **CEDARDALE UNCONDITIONAL18U**
Dam **RAC 321T**
DamSire **WHITEWATER PREMIUM 2P**

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF	SC	BIO$
%ab	19	16	29	2	92	73	12	91	37	48	67
ABC Acc	-2 32	2.3 58	32 47	5 18	46 49	78 48	-.56 52	.59 47	-.05 47	.55 64	3490
%wb	53	48	14	2	83	52	13	86	47	63	69

CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade	SC	AdjSC
U	94	535	83	875	1440	5.04	3.50	51.5	5.7	4	18.4	16.8	2.56	2.27	PD-A	36.5	34.8

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Genetic Evaluations (05 Feb 2013)

Tag 0118 | Pen | Tattoo | RAC 100Y

Contact **ANDREW MILLAR - SUNNY MEADOWS**
HC/Breed **CHAROLAIS**   705-887-5142
Birthdate **26Dec2011**   Colour
SireSire **CEDARDALE REBEL 3R**
Sire **CEDARDALE UNCONDITIONAL18U**
Dam **RAC 10T**
DamSire **WHITEWATER PREMIUM 2P**

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF	SC	BIO$
%ab	40	37	91	4	66	84	47	72	45	54	61
ABC Acc	0 _33_	.1 _58_	51 _47_	8 _18_	35 _49_	85 _48_	-.06 _51_	.33 _46_	-.01 _46_	.67 _63_	3321
%wb	80	80	85	4	44	68	78	58	63	70	62

CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade	SC	AdjSC
U	86	681	106	871	1322	4.03	3.32	54.0	7.1	6	16.6	15.6	2.72	2.49	PD-A	37.0	35.8

Tag 0119 | Pen | Tattoo | RAC 79Y

Contact **ANDREW MILLAR - SUNNY MEADOWS**
HC/Breed **CHAROLAIS**   705-887-5142
Birthdate **16Dec2011**   Colour
SireSire **MXS VERMILLION 527R**
Sire **MERIT ROUNDUP 9508W**
Dam **RAC 79W**
DamSire **WHITEWATER PAYMASTER 3P**

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF	SC	BIO$
%ab	43	27	95	70	45	81	38	33	60	80	32
ABC Acc	1 _32_	1.0 _56_	55 _48_	24 _12_	29 _46_	83 _47_	-.21 _48_	-.11 _42_	.13 _42_	1.21 _61_	2541
%wb	83	69	91	89	22	63	59	8	95	90	30

CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade	SC	AdjSC
U	85	725	112	1027	1471	3.96	3.61	55.0	7.5	6	14.0	13.0	3.05	2.73	A	38.5	36.9

Tag 0120 | Pen | Tattoo | RAC 3213Y

Contact **ANDREW MILLAR - SUNNY MEADOWS**
HC/Breed **CHAROLAIS**   705-887-5142
Birthdate **28Dec2011**   Colour
SireSire **CEDARDALE REBEL 3R**
Sire **CEDARDALE UNCONDITIONAL18U**
Dam **RAC 32W**
DamSire **WHITEWATER PAYMASTER 3P**

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF	SC	BIO$
%ab	28	20	74	9	20	41	20	62	31	42	23
ABC Acc	-1 _32_	1.7 _57_	44 _48_	11 _14_	20 _48_	63 _48_	-.44 _51_	.22 _45_	-.08 _45_	.42 _63_	2205
%wb	67	58	60	12	4	19	25	44	35	54	20

CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade	SC	AdjSC
U	81	629	98	888	1313	3.79	3.32	53.5	6.9	4	15.5	14.6	2.27	2.09	PD-A	36.0	34.9

Tag 0121 | Pen | Tattoo | RAC 7907Y

Contact **ANDREW MILLAR - SUNNY MEADOWS**
HC/Breed **CHAROLAIS**   705-887-5142
Birthdate **16Dec2011**   Colour
SireSire **CEDARDALE REBEL 3R**
Sire **CEDARDALE UNCONDITIONAL18U**
Dam **RAC 7902T**
DamSire **WHITEWATER PREMIUM 2P**

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF	SC	BIO$
%ab	20	17	69	18	51	61	34	65	34	60	37
ABC Acc	-2 _33_	2.1 _59_	42 _47_	14 _18_	30 _49_	73 _48_	-.25 _51_	.26 _46_	-.07 _46_	.80 _63_	2681
%wb	54	52	54	28	27	38	52	48	41	76	35

CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade	SC	AdjSC
U	90	661	102	1020	1477	4.08	3.62	56.0	8.0	5	16.3	15.1	2.36	2.11	PD-A	38.0	36.4

Tag 0122 | Pen | Tattoo | RAC 7903Y

Contact **ANDREW MILLAR - SUNNY MEADOWS**
HC/Breed **CHAROLAIS**   705-887-5142
Birthdate **17Dec2011**   Colour
SireSire **CEDARDALE REBEL 3R**
Sire **CEDARDALE UNCONDITIONAL18U**
Dam **RAC 7903S**
DamSire **WHITEWATER PREMIUM 2P**

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF	SC	BIO$
%ab	15	11	80	18	96	93	42	88	36	76	77
ABC Acc	-3 _33_	3.1 _59_	45 _49_	14 _17_	50 _50_	95 _50_	-.15 _52_	.54 _47_	-.05 _47_	1.13 _64_	3815
%wb	44	35	67	26	90	85	67	82	45	87	79

CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade	SC	AdjSC
U	98	658	102	1020	1582	5.02	3.89	54.5	7.2	6	17.9	16.5	2.39	2.14	PD-A	39.5	38.0

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Genetic Evaluations (05 Feb 2013)

Tag **0123**	Pen	Tattoo	**RAC 5Y**

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF	SC	BIO$	
%ab	24	21	80	14	67	77	50	84	28	71	61	
ABC Acc	**-1** 32	**1.6** 59	**46** 47	**13** 18	**35** 49	**80** 48	**-.01** 51	**.47** 46	**-.09** 46	**1.03** 63	**3329**	
%wb	62	60	68	20	45	57	82	77	30	85	62	

Contact **ANDREW MILLAR - SUNNY MEADOWS**
HC/Breed **CHAROLAIS** **705-887-5142**
Birthdate **14Dec2011** Colour
SireSire **CEDARDALE REBEL 3R**
Sire **CEDARDALE UNCONDITIONAL18U**
Dam **RAC 7905T**
DamSire **WHITEWATER PREMIUM 2P**

CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade	SC	AdjSC
U	89	670	104	969	1434	4.15	3.50	52.0	6.0	7	17.8	16.3	2.18	1.94	PD-A	39.0	37.4

201322 SUNNY MEADOWS

Genetic Evaluations (05 Feb 2013)

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
CHAROLAIS	11	100	90	634	942				1443	4.47	3.59	53.7	6.9	5	16.5	15.4	2.32	2.11	37.6
Group Averages	11	100	90	634	942				1443	4.47	3.59	53.7	6.9	5	16.5	15.4	2.32	2.11	37.6

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