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Bull Evaluation Centre Report

201403 Seeson Ranch #2 **(End of Test)** Test Date: **05 Mar 2014** Days on Test:**112**

Centre Manager: **GREG SEED**
Phone #: **705-647-9802**
EMail: **sgseed@parolink.net**
Address: **RR#1 845040 MORROW RD , NEW LISKEARD , ON , P0J 1P0**
Ration Statement:

Start of Test Date: **13 Nov 2013**
End of Test Date: **05 Mar 2014**
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 bulls were treated with Dectomax Feb. 6th 2014.
Pick-up date is March 10, 2014.

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.

Bull Evaluation EOT Report

201403 Seeson Ranch #2

Genetic Evaluations (12 Mar 2014)

Tag **0A65**	Pen	Tattoo **SNR 65A**
Contact	**GREG SEED - SEESON RANCH**	
HC/Breed	**ANGUS**	**705-647-9802**
Birthdate	**21Feb2013, Twin**	Colour
SireSire	**HF KODIAK 5R**	
Sire	**SOO LINE KODIAK 1051**	
Dam	**LFL 13W**	
DamSire	**S A V BISMARCK 5682**	

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF	SC	BIO$	
%ab	91	89	96	93	88	95	87	16	98	21	75	
ABC Acc	**5** 30	**-4.4** 58	**56** 47	**32** 16	**43** 47	**99** 47	**1.22** 48	**-.34** 43	**.77** 43	**-.12** 61	**3826**	
%wb	72	68	97	90	72	92	58	40	95	5	68	

CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade	SC	AdjSC
U	68	766	116	830	1285	4.07	3.41	48.5	4.6	12	14.2	13.9	6.52	6.31	AAA	36.0	35.6

Tag **0A66**	Pen	Tattoo **SNR 66A**
Contact	**GREG SEED - SEESON RANCH**	
HC/Breed	**ANGUS**	**705-647-9802**
Birthdate	**21Feb2013, Twin**	Colour
SireSire	**HF KODIAK 5R**	
Sire	**SOO LINE KODIAK 1051**	
Dam	**LFL 13W**	
DamSire	**S A V BISMARCK 5682**	

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF	SC	BIO$	
%ab	94	93	81	93	40	62	66	2	90	16	24	
ABC Acc	**6** 30	**-5.1** 58	**46** 47	**32** 16	**28** 47	**74** 47	**.52** 48	**-.67** 43	**.56** 43	**-.32** 61	**2352**	
%wb	81	78	83	90	14	46	5	6	67	3	15	

CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade	SC	AdjSC
U	63	710	107	830	1200	3.23	3.18	48.5	4.6	6	11.3	11.1	4.64	4.49	AA-AAA	35.0	34.6

Tag **0A67**	Pen	Tattoo **SNR 67A**
Contact	**GREG SEED - SEESON RANCH**	
HC/Breed	**ANGUS**	**705-647-9802**
Birthdate	**24Feb2013**	Colour
SireSire	**HF KODIAK 5R**	
Sire	**SOO LINE KODIAK 1051**	
Dam	**CHAPMAN ERICA 840U**	
DamSire		

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF	SC	BIO$	
%ab	96	96	57	30	54	57	84	17	78	16	39	
ABC Acc	**7** 23	**-6.0** 50	**40** 40	**17** 14	**32** 44	**71** 42	**1.12** 47	**-.33** 41	**.43** 41	**-.34** 61	**2815**	
%wb	88	88	57	14	25	40	50	41	30	3	28	

CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade	SC	AdjSC
U	84	652	98	820	1275	3.97	3.41	49.0	4.9	9	14.3	14.1	3.97	3.87	A-AA	35.0	34.7

Tag **0A68**	Pen	Tattoo **SNR 68A**
Contact	**GREG SEED - SEESON RANCH**	
HC/Breed	**ANGUS**	**705-647-9802**
Birthdate	**28Feb2013**	Colour
SireSire	**HF KODIAK 5R**	
Sire	**SOO LINE KODIAK 1051**	
Dam	**CHAPMAN ZARA 839U**	
DamSire		

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF	SC	BIO$	
%ab	89	85	49	48	79	69	90	3	98	20	34	
ABC Acc	**5** 23	**-3.8** 50	**38** 40	**20** 12	**39** 43	**77** 42	**1.32** 46	**-.64** 40	**.76** 40	**-.14** 60	**2683**	
%wb	66	56	48	29	56	54	68	8	95	5	25	

CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade	SC	AdjSC
U	92	590	89	755	1220	4.11	3.30	49.0	4.9	11	12.0	11.9	6.09	6.01	AAA	35.5	35.3

Tag **0A76**	Pen	Tattoo **SNR 76A**
Contact	**GREG SEED - SEESON RANCH**	
HC/Breed	**HEREFORD**	**705-647-9802**
Birthdate	**10Apr2013**	Colour
SireSire	**THM DURANGO 4037**	
Sire	**CRR ABOUT TIME 743**	
Dam	**RDF 410Y**	
DamSire		

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF	SC	BIO$	
%ab	39	68	56	19	20	33	96	3	78	46	6	
ABC Acc	**0** 19	**-2.2** 48	**40** 35	**15** 8	**21** 40	**60** 38	**1.53** 43	**-.65** 37	**.43** 37	**.52** 58	**1449**	
%wb	41	82	57	65	47	53	96	26	99	77	52	

CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade	SC	AdjSC
E	90	671	102	715	1110	3.50	3.37	49.0	5.5	11	11.3	12.1	5.72	6.35	AAA	37.0	38.3

Bull Evaluation EOT Report

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Genetic Evaluations (12 Mar 2014)

Tag **8005**	Pen	Tattoo	**COY 8005A**
Contact	**YVES MARCOUX - RANCH DU COYOTE**		
HC/Breed	**CHAROLAIS**		**819-784-3287**
Birthdate	**16Mar2013**	Colour	
SireSire	**PINAY**		
Sire	**COTM 118Y COTE YEAR BEST 118Y**		
Dam	**RANCH DU COYOTE MISS 92R**		
DamSire	**SCM MONTANA MARBLER G216**		

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF	SC	BIO$	
%ab	37	42	66	25	86	81	3	89	1	15	62	
ABC Acc	**0** 30	**-.3** 57	**42** 47	**16** 20	**42** 48	**84** 48	**-.79** 51	**.57** 45	**-.35** 45	**-.36** 63	**3423**	
%wb	79	85	51	41	70	63	2	81	1	11	63	

CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade	SC	AdjSC
U	91	713	96	840	1255	3.75	3.55	52.0	6.6	5	14.6	14.9	1.75	1.80	PD	34.5	34.9

Tag **8006**	Pen	Tattoo	**COY 8006A**
Contact	**YVES MARCOUX - RANCH DU COYOTE**		
HC/Breed	**CHAROLAIS**		**819-784-3287**
Birthdate	**15Mar2013**	Colour	
SireSire	**PINAY**		
Sire	**COTM 118Y COTE YEAR BEST 118Y**		
Dam	**COY 29T**		
DamSire			

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF	SC	BIO$	
%ab	20	29	84	8	99	98	2	72	9	14	67	
ABC Acc	**-2** 29	**.8** 56	**48** 46	**11** 19	**59** 47	**106** 47	**-.80** 49	**.35** 43	**-.22** 43	**-.47** 62	**3568**	
%wb	57	73	75	13	97	94	2	58	5	9	69	

CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade	SC	AdjSC
U	94	706	95	820	1315	4.39	3.70	53.5	7.4	5	14.0	14.3	2.81	2.89	PD-A	34.0	34.4

Tag **8009**	Pen	Tattoo	**COY 8009A**
Contact	**YVES MARCOUX - RANCH DU COYOTE**		
HC/Breed	**CHAROLAIS**		**819-784-3287**
Birthdate	**16Mar2013**	Colour	
SireSire	**PINAY**		
Sire	**COTM 118Y COTE YEAR BEST 118Y**		
Dam	**AZU 10U**		
DamSire	**UNO PARK 25R**		

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF	SC	BIO$	
%ab	12	11	55	48	99	96	1	93	7	48	77	
ABC Acc	**-3** 31	**2.9** 59	**39** 48	**21** 20	**62** 50	**101** 49	**-1.02** 51	**.66** 45	**-.24** 45	**.55** 63	**3871**	
%wb	38	39	38	71	98	90	1	87	3	62	78	

CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade	SC	AdjSC
U	101	711	96	822	1355	4.77	3.83	51.5	6.4	5	15.3	15.6	2.48	2.56	PD-A	37.0	37.4

Tag **8012**	Pen	Tattoo	**COY 8012A**
Contact	**YVES MARCOUX - RANCH DU COYOTE**		
HC/Breed	**CHAROLAIS**		**819-784-3287**
Birthdate	**20Mar2013**	Colour	
SireSire	**SNOOPY**		
Sire	**COY CADSNOOPY 5542X**		
Dam	**WDP 57P**		
DamSire	**BPL LEGEND 10L**		

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF	SC	BIO$	
%ab	13	10	86	44	88	90	13	91	1	72	63	
ABC Acc	**-3** 34	**3.1** 60	**48** 49	**20** 22	**43** 49	**91** 49	**-.53** 50	**.62** 44	**-.35** 44	**1.01** 63	**3444**	
%wb	39	35	77	67	73	78	18	85	1	85	63	

CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade	SC	AdjSC
U	106	760	102	925	1410	4.31	4.03	52.0	6.7	6	16.1	16.6	2.38	2.48	PD-A	39.0	39.5

Tag **8019**	Pen	Tattoo	**COY 8019A**
Contact	**YVES MARCOUX - RANCH DU COYOTE**		
HC/Breed	**CHAROLAIS**		**819-784-3287**
Birthdate	**23Apr2013**	Colour	
SireSire	**SNOOPY**		
Sire	**COY CADSNOOPY 5542X**		
Dam	**AZU 11U**		
DamSire	**UNO PARK 25R**		

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF	SC	BIO$	
%ab	32	32	97	67	89	96	1	54	17	29	45	
ABC Acc	**0** 34	**.5** 60	**58** 49	**24** 20	**44** 50	**102** 50	**-1.07** 49	**.16** 44	**-.15** 44	**.11** 62	**2975**	
%wb	73	77	95	86	76	91	1	31	14	33	43	

CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade	SC	AdjSC
U	98	824	111	800	1220	3.71	3.86	53.0	7.7	4	12.7	14.0	3.22	3.72	A	33.5	35.3

Bull Evaluation EOT Report

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Genetic Evaluations (12 Mar 2014)

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
ANGUS	4	100	77	680	809	926	1031	1130	1245	3.85	3.33	48.8	4.7	10	13.0	12.8	5.30	5.17	35.4
CHAROLAIS	5	100	98	743	841	959	1078	1192	1311	4.19	3.79	52.4	7.0	5	14.5	15.1	2.53	2.69	35.6
HEREFORD	1		90	671	715	840	940	1030	1110	3.50	3.37	49.0	5.5	11	11.3	12.1	5.72	6.35	37.0
Group Averages	10	90	89	710	816	934	1046	1151	1265	3.98	3.56	50.6	5.9	7	13.6	13.8	3.96	4.05	35.6