

Bull Evaluation Centre Report

202216 Gilchrist 2022 Group 2

(End of Test) Test Date: 07 Mar 2022 Days on Test: 112

Centre Manager: BRAD GILCHRIST Start of Test Date: 15 Nov 2021

Phone #: 519-440-6720 End of Test Date: 07 Mar 2022

EMail: brad.gilchrist@eastgen.ca Pick Up Date:

Address: 1269 GREY OX AVE,R.R. #5, LUCKNOW, ON, NOG 2H0

Ration Statement:

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.

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 (Ibs) - 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 (Ibs/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 (Ibs/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 Intramus cular 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 (Ibs) - 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 (Ibs 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 (s quare inches) - Predictor of the differences in progeny ribeye area (muscling), adjusted to a common age.

% IMF - Intramus cular 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

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Tag 0006 Pen	Tattoo	GFA 6J			CE	BW	WG	1	Milk	PWG	Y	G	FAT		REA	%IMF	S	С	BIO\$	
Contact BRAD GILCHRI HC/Breed ANGUS	ST - GILCHRIST FARMS	519-440-6720	%ab	Acc	88 5 22	82 -3.8 50	6 25		33 21 10	73 38 44	30 63	42	59 .56	47	2 59 41	67 . 35 4	.1 1.1		14 2272	
Birthdate 08Mar2021	Colour		%wb		64	56	3		26	47	12		4		6	14	84		13	
SireSire LD CAPITALIS																			00	A 1:0
Sire CARDINAL CAS Dam GF BARBARA 6	SH ADVANCE 60F		CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	НН	Frame	e Fat	REA	AdjREA	%Imf	Adj%lmf	Grade	SC	AdjS
	INAL PRODUCT		U	90	530	85	698	1120	3.68	3.08	47.5	4.3	6	11.8	11.8	1.90	1.91	PD-A	40.0	40.0
Tag 0011 Pen	Tattoo	HMA 11J			CE	BW	WG		Milk	PWG	Y	G	FAT	.	REA	%IMF	S	С	BIO\$	
Contact MICHAEL HERN		THEATIS	%ab		02		110	- '		6	· ·				46	35	3.			
HC/Breed 69% LIMOU		519-229-6863	ABC	Acc						12 39			. 03	43	. 07 37	. 03 3		3 58	N/R	
Birthdate 15Feb2021	Colour		%wb																	
SireSire TMF WESTWO Sire WGL EXECUTIV	OOD 505W /E DECISION 728E ET		CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	НН	Frame	e Fat	REA	AdiREA	%lmf	Adj%lmf	Grade	SC	AdjS
Dam X RATED			U	90			982	1325			52.5					1.77	1.68	PD	39.5	38.8
DamSire HERNS PARK	AVE		U	90	734		902	1323	3.05	3.44	32.3	0.5	7	14.0	13.3	1.77	1.00	רט	39.5	00.0
Tag 0017 Pen	Tattoo	GFA 17J			CE	BW	WG	ı	Milk	PWG	Y	G	FAT		REA	%IMF	S	С	BIO\$	
	ST - GILCHRIST FARMS		%ab		98	98	95		51	98	98	s	96		29	78	72	2	95	
HC/Breed ANGUS Birthdate 12Apr2021	Colour	519-440-6720	ABC	Acc	9 24	-7.8 53	60		24 9	60 47		44	1.55	50	15 44	.43 4	'	6 62	4893	
SireSire BLACKTOP X			%wb		96	96	95		49	96	97		91		84	40	66	5	95	
Sire GF BLACKSTO			CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	НН	Frame	e Fat	REA	AdiREA	%lmf	Adj%lmf	Grade	SC	AdjS
Dam GF EVENING TI	NGE 17D		U	78	674	109	750	1215	4.03	3.69	48.5	5.2	8	12.9	13.8	1.99	2.21	PD-A	38.0	39.3
DamSire SANKEYS JU	STIFIED 101			70	014	100	700	1210	4.00	0.00	10.0	0.2	0	12.5	10.0	1.00	2.21	IDA	00.0	
Tag 0023 Pen	Tattoo	RHFL 23J			CE	BW	WG	1	Milk	PWG	Y	G	FAT		REA	%IMF	S	С	BIO\$	
	ORST - REHORST FARM	-	%ab		70	74	66	6	60	89	83	;	78		38	74	48	3	73	
HC/Breed ANGUS Birthdate 17Feb2021	Colour Black	519-392-8156	ABC	Acc	3 31	-3.1 54	46		26 17	45 50	1	48	1.03	53	01 48	.40 4		7 65	3877	
SireSire COLEMAN CH			%wb		31	43	60	- 6	51	74	69		43		94	30	3	1	72	
Sire SAV PRESIDE			CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	НН	Frame	e Fat	REA	AdjREA	%lmf	Adj%lmf	Grade	sc	AdjS
Dam JL FOREVER L			U	69	681	100	922	1330	3.64	3.47	50.5	5.5	8	14.0	13.6	2.15	2.05	PD-A	38.0	37.3
DamSire SAVRENOW	N 3439									0		-		1 1.0	10.0					
Tag 0030 Pen	Tattoo	RHFL 30J			CE	BW	WG	ı	Milk	PWG	Y	G	FAT		REA	%IMF	S	С	BIO\$	
	HORST - REHORST FARM	_	%ab		95	93	50	7	72	81	69)	99		13	71	76	6	44	
HC/Breed ANGUS	Colour Block	519-392-8156	ABC	Acc	7 34	-5.4 54	42		28 32	41 50		49	1.93	51	36 46	.38 4	1	1 63	3165	
Birthdate 03Mar2021 SireSire SITZ TRAVEL	Colour Black		%wb		84	80	42	_ 7	75	58	51		97		39	22	72	2	41	
Sire SAV FINAL AN			CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	НН	Frame	e Fat	REA	AdjREA	%lmf	Adj%lmf	Grade	SC	AdjS
Dam JL LADY 3059			U	68	658	97	828	1215	3.45	3.29	50.0	5.4	12			1.75	1.73	PD	39.0	38.9
DamSire SAV FOUR S	EASONS 5231				330	31	020	1210	0.70	0.20	50.0	0.7	12	12.0	12.0	1.75	1.70			""

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Tag 0100	Pen	Tattoo	GFA 100J			CE	BW	WG		Milk	PWG	Y	G	FAT		REA	%IMF	= 8	SC	BIO\$	
	D GILCHRIST - ANGUS	GILCHRIST FARMS	519-440-6720	%ab	Acc	92 6 21	88 -4.5 49	14 31		30 20 10	70 38 44	38 68	41	66 . 75	47	3 53 41	69 . 37 4		24 16 61	17 2431	
irthdate 26Fe ireSire LD	eb2021 CAPITALIST 3	Colour		%wb		77	67	8		23	43	19		16		10	17		4	17	
	DINAL CASH A			CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	НН	Frame	Fat	REA	AdjREA	%Imf	Adj%lmf	Grade	SC	Adj
	CRUSH MAID 10 ONNEALY FINA			U	83	538	87	696	1090	3.48	2.91	48.0	4.4	7	12.3	12.1	2.07	2.02	PD-A	35.0	34.
ag 0119	Pen	Tattoo	PLS 119J			CE	BW	WG		Milk	PWG	Y	G	FAT		REA	%IMF	= 8	SC SC	BIO\$	
HC/Breed Birthdate 20F 6	ANGUS eb2021	Premier Livestock Colour BLACK	519-595-4311	%ab ABC A %wb		90 6 17 70	88 -4.5 47 67	73 48 67	35	73 28 14 76	49 32 43 22	63 80 44	39					.1	0 60	N/R	
	.VEIRAS STYLI 'EIRAS S SIS G			CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	НН	Frame	Fat	REA	AdjREA	%Imf	Adj%lmf	Grade	SC	Adj
	C BARDETTA 4 A V FIRST CLAS	-		U	82	768	114	978	1365	3.27	3.59	49.5	5.1			Í		•		36.0	35
ag 0129	Pen	Tattoo	GFA 129J			CE	BW	WG		Milk	PWG	Y	G	FAT		REA	%IMF	= 5	SC SC	BIO\$	
C/Breed rthdate 16Ma	ANGUS ar2021	Colour	519-440-6720	%ab ABC A %wb		95 7 24 85	96 -6.4 52 90	93 58 92	40	69 28 10 72	81 41 46 58	91 99 82	43	99 1.99 97	50	53 . 15 45 98	98 .65 4 95	ı5 .6	61 6 7 62	90 4574 89	
	ACKTOP XXL ! BLACKSTOCK !			CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	НН	Frame	Fat	REA	AdjREA	%Imf	Adj%lmf	Grade	SC	Ad
	RIMROSE 4081 A V ELIMINATO			U	82	726	117	930	1300	3.26	3.65	50.5	5.9	11	15.0	15.3	3.35	3.43	А	38.0	38
ag 0200	Pen	Tattoo	GFA 200J			CE	BW	WG		Milk	PWG	Y	G	FAT		REA	%IMF	: 9	SC SC	BIO\$	
IC/Breed irthdate 01F e	ANGUS eb2021	- GILCHRIST FARMS Colour	519-440-6720	%ab ABC A %wb		99 10 22 98	99 -8.8 51 98	68 46 62	39	32 21 8 25	48 32 45 21	60 78 40	42	98 1.71 95	49	51 . 13 43 98	83 . 48 4 55	ı3 .3	3 7 62 23	74 3899 73	
	ACKTOP XXL ! BLACKSTOCK !			CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	НН	Frame	Fat	REA	AdjREA	%Imf	Adj%lmf	Grade	SC	Ad
_	BLACKCAP 200 RSTOW CASH	OG		U	62	555	89	766	1110	2.96	2.78	48.5	4.3	11	15.6	14.7	2.42	2.21	PD-A	37.5	36
ag 0219	Pen	Tattoo	GFA 219J			CE	BW	WG		Milk	PWG	Y	G	FAT		REA	%IMF	= 6	SC SC	BIO\$	
Contact BRAD GILCHRIST - (HC/Breed ANGUS Birthdate 10Feb2021		- GILCHRIST FARMS Colour	519-440-6720	%ab		83 5 24	77 -3.3 53	98 68	41	66 27 10	99 67 47		44	98 1.76	49	41 .03 44	76 . 42 4	.9	9 18 62	98 5280	
reSire BL	ACKTOP XXL	5333		%wb		53	47	98		68	99	99		96		96	36		7	98	
_	BLACKSTOCK (MERCEDES 219			CE	BW	AWW		SOT	EOT	ADG			Frame		REA	-,		Adj%lmf	Grade PD-A	SC 40.0	Adj
_	HNEN PULSE			U	99	720	116	1020	1525	4.55	3.91	51.0	5.7	11	14.8	14.1	2.08	1.95	PD-A	40.0	

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Tag 0243	3	Pen	Tattoo	GFA 243J			CE	BW	WG		Milk	PWG	Y	G	FAT		REA	%IMF	S	3	BIO\$	
HC/Breed Birthdate 1	A 12Feb	NGUS 2021	Colour Black	519-440-6720	%ab ABC / %wb		92 6 22 76	86 -4.2 PE 63	33 37 F 24	PE		93 48 43 81	74 85 56	PE	76 . 99 39	PE ·	5 48 PE 15	85 .49 P	77 E .94	61	N/R	
	CARD	APITALIST 316	VANCE 60F		CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	НН	Frame	Fat	REA	AdjREA	%lmf	Adj%lmf	Grade	SC	AdjSC
	-	ENING TINGE 1 OWER CHIP 47			U	N/A	N/A		852	1300	3.90	3.35	47.0	3.7							39.5	38.7
Tag 0513	3	Pen	Tattoo	GFA 513J			CE	BW	WG		Milk	PWG	Y	G	FAT		REA	%IMF	S		BIO\$	
HC/Breed Birthdate 0	A 02Apr	NGUS 2021	Colour	519-440-6720	%ab ABC / %wb		54 2 33 15	38 4 55 9	62 45 54	16	72 28 27 75	91 46 49 76	83 91 68	48	67 . 77 17	48	1 83 42 1	68 . 36 4 16	13 2 45 1	61	12 2200 11	
	KOUP	IPAL KOZI 22 AL KOZI 418 'ENING TINGE :	E42F		CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	НН	Frame	Fat	REA	AdjREA	%lmf	Adj%lmf	Grade	sc	AdjSC
		R BLUE CHIP 1			U	105	596	96	644	1050	3.58	3.10	48.0	4.9	6	9.7	10.1	1.97	2.12	PD-A	33.0	33.9
Tag 080 1	1	Pen	Tattoo	GFA 801J			CE	BW	WG		Milk	PWG	Y	G	FAT		REA	%IMF	S	3	BIO\$	
HC/Breed Birthdate 0	A 09Feb	NGUS 2021	Colour	519-440-6720	%ab ABC / %wb	Acc	71 3 30 33	67 - 2.5 55 32	47 41 39		15 16 18 7	94 50 50 85	83 91 69	46	61 . 61	52	31 12 47	90 .52 4	35 7 .22 12	64	68 3749 68	
	5T PC	R BLUE CHIP 1 WER CHIP 479	0		CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	НН	Frame	Fat	REA	AdjREA	%lmf	Adj%lmf	Grade	SC	AdjSC
	_	ACKBIRD 801F CHMAN SAUG	- AHATCHEE 3000C		U	94	593	95	812	1260	3.85	3.22	49.0	4.7	4	14.1	13.5	2.47	2.31	PD-A	37.0	36.1
Tag 140 3	3	Pen	Tattoo	GFA 1403J			CE	BW	WG		Milk	PWG	Y	'G	FAT		REA	%IMF	S	C	BIO\$	
Contact E HC/Breed Birthdate C	Α	NGUS	Colour	519-440-6720	%ab ABC / %wb		94 7 22 81	90 -4.8 50 72	24 34 3	38	36 22 10	93 48 45 81	69 83 50	42	72 . 89 29	47	2 57 41	94 . 56 4	49 1 .47 32	61	41 3098 39	
SireSire Sire (CAPITALIST 316			CE	BW	AWW	WI	SOT	EOT	ADG	WPDA		Frame		REA	AdiREA	%Imf	Adj%lmf	Grade	SC	AdjSC
Dam (GF BL	ACKBIRD 4030 OWER CHIP 47	3		U	83	544	88	700	1130	3.88	3.10	48.0	4.5		12.0	,	2.86	2.87	PD-A	37.0	37.0

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Breed Summary Averages

Breed	#	% U	BWT	AWW	SOT	28D	56D	84D	EOT	ADG	WPDA	Hip Height	Frame Score		REA	Adj REA	%IMF	Adj %IMF	Scrotal
ANGUS	13	100	83	632	815	960	1045	1153	1232	3.66	3.32	48.9	4.9	8	13.2	13.0	2.27	2.25	37.5
CROSSBRED	1	100	90	754	982	1080	1160	1250	1325	3.05	3.44	52.5	6.5	7	14.0	13.5	1.77	1.68	39.5
Group Averages	14	100	83	641	827	969	1053	1160	1238	3.61	3.33	49.2	5.0	8	13.2	13.1	2.23	2.21	37.7

Provision and Use of Information Produced by BIO As part of the terms and conditions of Beef Improvement Ontario (BIO) Beef Evaluation Services, it is understood that information provided by BIO including, but not limited to, genetic and carcass evaluations are produced using the very best knowledge available and are pursuant to generally accepted industry standards. The raw data and pedignee used in calculations is provided by the client. The information provided by BIO is for comparative purposes only for both the animal consignor and buyer. This information agrees to hold Beef Improvement Ontario harmless for any losses or damages that may be incurred as a result of receipt of and/or reliance upon this general comparative information. This clause shall be a complete defense to any dain brought by the purchaser and/or user in relation to such services.