

Bull Evaluation Centre Report

201903 DAVE GRIST

(End of Test)

Test Date: 07 Feb 2019 Days on Test:89

Centre Manager: DAVID GRIST

Start of Test Date: 10 Nov 2018

Phone #: 519-855-9540

End of Test Date: 07 Feb 2019

EMail: dgrist@hotmail.ca

Pick Up Date:

Address: 6031 4th Line, ORTON, ON, LON 1NO

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 (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 (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 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 (Ibs) - The effect the animal will have on the birth weight of their calves.

WG - Weaning Gain ABC (Ibs) - 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 (Ibs) - Indicates the ability of an animal's calves to grow from weaning to yearling.

YG - Yearling Gain ABC (Ibs) - 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

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Geneti	c Evaluatio	ons (08	Mar 20)19)							•	, A	
Tag 0207 Pen Tattoo PLUS 207F		CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF	SC	BIO\$	
Contact JASON KOUDYS - A PLUS ASSOCIATES HC/Breed P 3/4 RED ANGUS 1/4 DS 0 519-767-2665 Birthdate 01Feb2018 Colour red SireSire APJK TWO KINGS 802Y	%ab ABC Acc %wb	94 6 33	93 - 5.1 58	41 38 50	96 35 24	63 35 46	54 73 48	81 1.02	28 03 41	81 . 45 41	34 .10 60	53 3491	
Sire PLUS 23D Dam RED APJK MRS MODERATION	CE BV		/ WI 108		EOT ADO		HH Frame				dj%lmf Grade		AdjSC 36.8
DamSire RED CHAMPLAIN SERENADE 2513P	0 04	+ 010	100	0/0	1133 2.02	3.00	40.0 4.4		13.2 13.1	2.41	2.43 FD-P		close commences
Tag 0210 Pen Tattoo PLUS 210F		CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF	sc	BIO\$	
Contact JASON KOUDYS - A PLUS ASSOCIATES HC/Breed P 25/32 RED ANGUS 5/32 XX 1/16 DS 0 519-767-2665 Birthdate 05Feb2018 Colour red	%ab ABC Acc %wb	44 1 28 8	46 9 56 11	19 32 46 14	95 35 16 97	24 25 43 7	20 56 45 7	70 . 61 3	1 4470 38 2	76 .38 38 11	16 46 59 2	2 1393 1	
SireSire RED CATTLELAC BADA BING 903W Sire APJK 31D	CE BV	V AWW	/ WI	SOT	EOT ADO	3 WPDA	HH Frame	e Fat	REA AdjRE	A %lmf A	dj%lmf Grade	sc sc	AdjSC
Dam PLUS 32D DamSire APJK TWO KINGS 802Y	U 90	583	103	760	976 2.27	2.66	49.5 5.2	6	9.9 9.9	2.34	2.33 PD-A	35.0	34.9
Tag 107F Pen Tattoc GRFA 107F		CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF	sc	BIO\$	
Contact DAVID GRIST - GRIST FARM HC/Breed ANGUS 519-855-9540 Birthdate 07Jan2018 Colour BLACK	%ab ABC Acc %wb	92 6 27 76	91 -4.7 55 73	74 47 45 71	74 27 19 74	91 46 46 78	88 93 46 79	81 1.03 28	28 4703 42 92	89 . 53 42 56	69 . 80 61 62	77 4148 78	
SireSire MYTTY IN FOCUS Sire CONNEALY IN FOCUS 4925	CE BV	v aww	/ WI	SOT	EOT ADO	G WPDA	HH Frame	e Fat	REA AdjRE	A %Imf A	dj%lmf Grade	sc sc	AdjSC
Dam Grist Miss Barb 317A DamSire RED CATTLELAC BADA BING 903W	U 91	1 719	101	1115	1375 2.75	3.47	50.0 5.1	8	14.1 13.3	3.36	3.10 A	39.0	37.9
Tag 118F Pen Tattoo GRFA 118F		CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF	SC	BIO\$	
Contact DAVID GRIST - GRIST FARM HC/Breed ANGUS 519-855-9540 Birthdate 18Jan2018 Colour BLACK SireSire MYTTY IN FOCUS	%ab ABC Acc %wb	79 4 29 43	74 -2.9 55 40	50 40 46 46	58 24 20 55	98 59 46 96	93 99 46 87	90 1.32 63	7 46 40 40 30	87 .51 40 48	98 2.15 60 99	67 3835 63	
Sire A A R TEN X 7008 S A	CE BW	V AWW	/ WI	SOT	EOT ADO	3 WPDA	HH Frame	e Fat	REA AdjRE	A %Imf A	dj%lmf Grade	sc sc	AdjSC
Dam NORTH PERTH BLACKCAP MAY 601 DamSire S A V BISMARCK 5682	U 96	619	87	906	1245 3.57	3.23	49.5 5.0	10	11.7 11.3	3.39	3.21 A	44.0	43.3
Tag 129F Pen Tattoc GRFA 129F		CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF	SC	BIO\$	1 11
Contact DAVID GRIST - GRIST FARM HC/Breed ANGUS 519-855-9540 Birthdate 29Jan2018 Colour BLACK	%ab ABC Acc %wb	99 9 27 97	99 - 8.5 55 98	75 47 45 72	44 22 16 37	47 31 48 20	64 78 47 49	96 1.59 87	5 50 47 44 21	89 . 52 44 55	21 28 62 4	29 2903 24	
SireSire S A V TEN SPEED 3022 Sire NORTH PERTH TEN SPEED 608	CE BW	V AWW	/ WI	SOT	EOT ADO	3 WPDA	HH Frame	e Fat	REA AdjRE	A %Imf A	dj%lmf Grade	sc sc	AdjSC

NORTH PERTH ECHO 407

DamSire S A V ANGUS VALLEY 1867

Dam

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Genetic Evaluations (08 Mar 2019)

	Genetic	Evalua	นอทร (บอ	3 Ivlar 20	019)										4		400000
Tag 207F Pen Tattoo	GRFA 207F		CE	BW	WG	Mil	k	PWG	YG	FAT	•	REA	%IMF	S		BIO\$	method energy on any System, Physician
Contact DAVID GRIST - GRIST FARM HC/Breed ANGUS Birthdate 07Feb2018 Colour	519-855-9540	%ab ABC Ac %wb	55 c 2 23	50 -1.2 54 14	64 44 61	52 40 23 46	20	96 51 48 89	89 95 44 81	73 .71 5	51	25 09 46 89	76 . 38 4	18 6 37	63	59 3654 57	entromité d'un consequence est et che d
SireSire S A V TEN SPEED 3022 Sire NORTH PERTH TEN SPEED 608 Dam Red Majestic Floress DamSire RED MAJESTIC RUBICON N 124R			BW AWV		SOT 964		ADG 3.33		HH Fram 49.0 5.0		REA 13.9	AdjREA	%lmf	Adj%Imf 2.38	Grade PD-A	SC 35.5	AdjS 35.
Tag 215F Pen Tattoo	GRFA 215F		CE	BW	WG	Mil	k	PWG	YG	FAT		REA	%IMF	S	3	BIO\$	
Contact DAVID GRIST - GRIST FARM HC/Breed ANGUS Birthdate 15Feb2018 Colour SireSire S A V TEN SPEED 3022	519-855-9540	%ab ABC Ad %wb	94 6 24 82	94 - 5.4 52 83	88 52 86	94 42 34 95	18	97 54 47 93	96 106 45 93	85 1.15 40	51	26 06 46 90	94 . 60 4 78	63 6 . 69 54	63	90 4659 91	
SAR VIEN SPEED 3022 Sire NORTH PERTH TEN SPEED 608 Dam Red Ginn Sakic Heather 2Y DamSire RED SIX MILE SAKIC 832S		14 A 200	BW AWV	·	SOT 1010		-	reason to the second second second	HH Fram 50.5 5.9	************	REA 13.2	AdjREA	3.43		Grade A	SC 40.0	AdjS
Tag 271F Pen Tattoc Contact DAVID GRIST - GRIST FARM HC/Breed ANGUS Birthdate 27Jan2018, Twin Colour BLACK	GRFA 271F 519-855-9540	%ab ABC Ac %wb	CE 96 c 7 26 89	96 - 6.0 55	WG 87 52 85	94	17	PWG 48 31 48 21	YG 74 83 47 60	89 1.29 58		10 33 46 41	%IMF 98 . 69 4 93	8	3 2 64	BIO\$ 43 3255 39	Andrew Marco and Service construction of the C
SireSire S A V TEN SPEED 3022 Sire NORTH PERTH TEN SPEED 608 Dam GRIST MISS BARB 218B		CONTRACTOR CONTRACTOR CONTRACTOR	BW AWV		SOT		ADG		HH Fram		-	AdjREA			Grade	SC	AdjS
DamSire APJK TWO KINGS 802Y		U	77 780	110	958	1180	2.35	3.14	47.5 4.1	9	12.2	12.0	3.79	3.68	A-AA	33.5	33.1
Tag 272F Pen Tattoc	GRFA 272F	1	CE	BW	WG	Mil	k	PWG	YG	FAT	•	REA	%IMF	S	C	BIO\$	
Contact DAVID GRIST - GRIST FARM HC/Breed ANGUS Birthdate 27Jan2018, Twin Colour BLACK SireSire S A V TEN SPEED 3022	519-855-9540	%ab ABC Ac %wb	98 c 8 26 94	97 -6.8 55 94	90 54 89	94 45 34 95	17	64 35 48 35	84 89 47 72	94 1.43 76	51	11 31 46 47	97 . 64 4 88	13 662 1	2 64	54 3537 51	ekanen hina (II) a semaja kiloni In in
Sire NORTH PERTH TEN SPEED 608		CE	BW AWV	V WI	SOT	EOT	ADG '	WPDA	HH Fram	ne Fat	REA	AdjREA	%lmf	Adj%lmf	Grade	sc	AdjS
Dam GRIST MISS BARB 218B DamSire APJK TWO KINGS 802Y		U	74 782	110	946	1195	2.57	3.18	47.5 4.1	10	12.4	12.2	3.34	3.24	Α	35.0	34.6

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Genetic Evaluations (08 Mar 2019)

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	7	100	88	720	978	1072	1113	alle i tre i tre i tre e de la como de la co	1254	2.89	3.34	49.1	4.9	9	12.7	12.5	3.25	3.16	37.6
RED ANGUS	2	100	87	597	818	882	933	remenudes research envicent/universe	1056	2.54	2.86	48.8	4.8	7	11.6	11.5	2.40	2.38	36.0
Group Averages	9	100	88	693	942	1030	1073	metal-stated engine menjedi	1210	2.82	3.23	49.0	4.9	8	12.5	12.3	3.06	2.99	37.2

Provision and Use of Information Produced by BIO As part of the terms and conditions of Beef Improvement Opportunities (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 pedigree used in calculations is provided by the client. The intent of the information provided by BIO is for comparative purposes only for both the animal consignor and buyer. This information is provided for the purpose of general guidance only to beef producers. The purchaser and/or user of this information agrees to hold Beef Improvement Opportunities are result of receipt of and/or reliance upon this general comparative information. This clause shall be a complete defense to any claim brought by the purchaser and/or user in relation to such services.

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