

ANGUS

GENOMIC BREEDING VALUE REPORT

September 2026



TURNING LEAF FARM PTY LTD

Herd Number: 676347

E-mail: andrewj@acwiring.com



EBVs, EBVi's and GEBVs

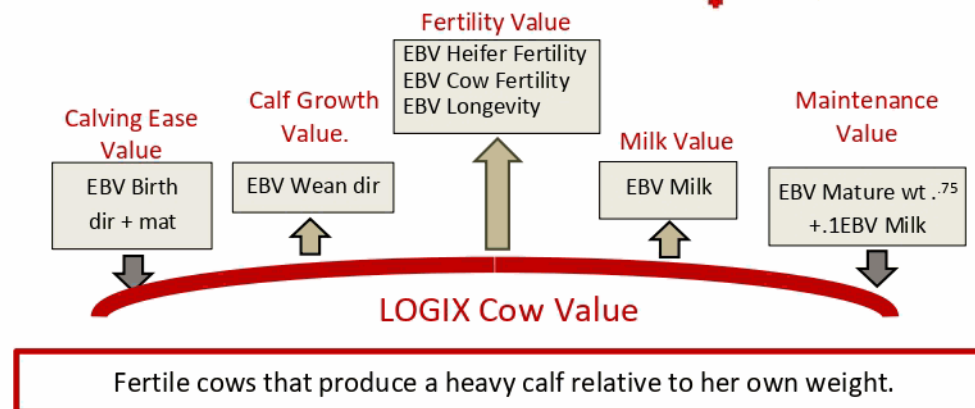
EBVi (Breeding Value Index): Genetic potential relative to the average (100) of the live animals in the breed. Roughly 50% of the animals have values between 90 and 110. Values above 100 tend to be in the more favourable direction.

EBV (Breeding Value): Genetic potential relative to the average of the animals born in the base year (1990), expressed in the unit of measurement.

GEBV (Genomic Breeding Value) Interpreted like the EBVi. (GEBV = EBV + Genomic information)

LOGIX Selection values combine different breeding values in a logical way. For example, Heifer Fertility (how early a heifer starts calving), Cow Fertility (how regular she calves) and Longevity (retention within the family) are combined to form the Fertility Value.

LOGIX Cow Value



Selection Values

LOGIX Cow Value



Selecting for:

- fertile,
- low maintenance,
- easy calving cows
- with heavy weaners

LOGIX Growth Value



Select for efficient growers on veld and in feedlot, as measured in Phase C and D Growth Tests.

LOGIX Production Value



80% LOGIX Cow Value +
20% LOGIX Growth Value

LOGIX Carcass Value



Select for more meat on the carcass as measured from end weight in Phase C and D Growth Tests and RTU scanning.

How to use the Cow Value

Selection values should be compatible with your selection goal.

AVERAGE ANIMALS

(NO GROWTH EXTREMES)

- Selection Values 90 to 110
 - Cow Value and Fertility Value average to high
- A safe choice, as animals are profitable in most

GROWERS

(GOOD ENVIRONMENT)

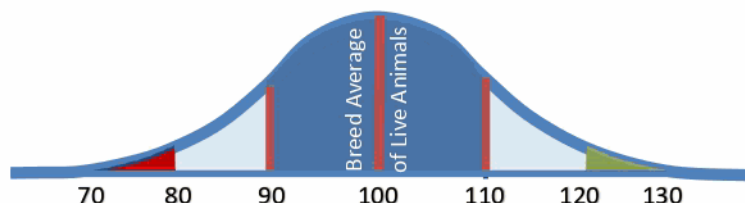
- Calf Growth / Growth Value > 120
 - Cow Value and Fertility Value average to high
- Growers are usually heavier at birth (lower Calving Ease Value), and maturity (lower Maintenance Value).

LOW- MAINTENANCE ANIMALS

(HARSH ENVIRONMENT)

- Maintenance Value >110
 - Cow Value and Fertility Value average to high
- Lighter cows have a lower maintenance.

Interpretation of EBVi and Selection Values

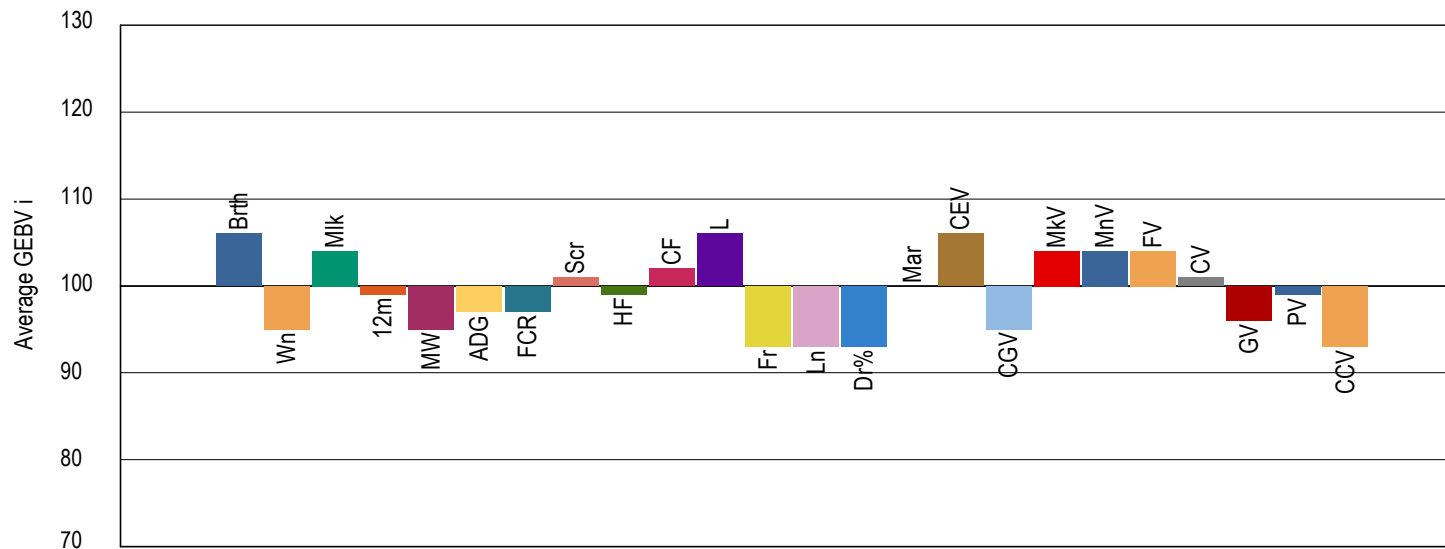


Examples

Type of Animal	Cow Value	Calving Ease V	Calf Growth V	Milk Value	Maint. Value	Fertility Value
Average	Med-High	Avg	Avg	Avg	Avg	Med-High
Grower	Med-High		High			Med-High
Low Maintenance	Med-High				High	Med-High

	EBVi	Description / Measurement	Goal	High Value	Low Value
Selection Values	Calving Ease Value	Difficult calving due to high birth weight	Average birth weight	High	Low
	Calf Growth Value	Calf's genetic ability for prewean growth	Heavy weaner	Light	Heavy
	Milk Value	Cow's genetic mothering and milking ability	Enough milk for calf	Less	More
	Maintenance Value	Maintenance requirement of cow (weight and milk)	Low cow maintenance	High	Low
	Fertility Value	Fertility and retention of cows and heifers	Fertile cows	Low	High
	Cow Value	Combination of calving ease, calf growth, milk, maintenance and fertility values (Rand-value)	Profitable cows	Loss	Profit
	Growth Value	Efficient growth on veld and in feedlot (Rand-value)	Profitable growth	Loss	Profit
	Production Value	Combination of Cow- and Growth Values (Rand-value)	Profitable animals	Loss	Profit
	Carcass Value	Meat on carcass (Weight and RTU EBVs)	Meat on carcass	Less	More
Birth	Cow weight - birth	Cow weight at birth of calves	Mature cow weight	Light	Heavy
	Birth weight direct	Birth weight (Calf's genetic ability)	Average birth weight	Heavy	Light
	Cow-Calf birth	EBV Birth dir / EBV Mature cow weight	Average	Low	High
Wean	Cow Weight wean	Cow weight at weaning of calves	Mature cow weight	Light	Heavy
	Weaning weight direct	Weaning weight (Calf's genetic ability)	Heavy weaners	Light	Heavy
	Weaning weight mat	Weaning weight (Dam's genetic ability)	Good mothers	Poor	Good
	Cow-Calf Wean	EBV Wean dir / EBV Mature cow weight	High cow-calf ratio	Low	High
Growth & Adaptation	Post-Wean weight	12- and 18mnth weights	Post-wean growth	Low	High
	Ave. Daily Gain	Average daily gain in growth test (Phase C and D)	Good growth	Poor	Good
	Veld Growth	ADG on veld (Phase B)	Good adaptation	Poor	Good
	Feed Conversion Ratio	100g feed intake / g weight gain	Feed Efficiency	Poor	Good
	Final Test Weight	Final weight in growth test (Phase C and D)	Heavy Carcasses	Light	Heavy
	Skin Thickness	Measured in growth tests	Thicker skin	Thick	Thin
Fertility	Scrotal Circumference	Scrotal circumference in growth test	Fertile bulls	Less	More
	Heifer Fertility	Age at first calving	Fertile heifers	Less	More
	Cow Fertility	First 3 inter-calving periods (ICPs)	Fertile cows	Less	More
	Longevity	Retention of progeny	Acceptable progeny	Poor	Good
Frame	Height	Shoulder / Hip height in growth test	Average height	Short	Tall
	Length	Length in growth test	Longer (more meat)	Short	Long
	Length:Height	EBV Length / EBV Height	Longer, not higher	<1	>1
Carcass	Eye Muscle Area	RTU Eye muscle area	Bigger steaks	Small	Big
	Fat	RTU P8 Backfat Thickness	Carcass quality	Thin	Thick
	Marbling	RTU % Marbling	Juicy meat	Low	High
	Dressing%	Carcass weight / Live weight	High dressing %	Low	High

Herd and Breed Averages



Genomic Breeding Values (GEBVs):

Brth:	Birth weight	Scr:	Scrotal circumf.
Wn:	Weaning weight	HF:	Heifer Fertility
B.m:	Birth maternal	CF:	Cow Fertility
Mlk:	Milk	LL:	Longevity
12m:	2 mo weight	Fr:	Frame
MW:	Mature weight	Ln:	Length
ADG:	Average Daily Gain	Dr%:	Dressing%
FCR:	Feed Conversion Ratio	Mar:	Marbling

Selection Values:

CEV:	Calving Ease Value
CGV:	Calf Growth Value
MkV:	Milk Value
MnV:	Maintenance Value
FV:	Fertility Value
CV:	Cow Value
GV:	Growth Value
PV:	Production Value
CCV:	Carcass Value

	Trait	EBV Herd	EBVi Herd	EBV Breed
Prewean Growth	Birth Weight	1.05	106	1.64
	Wean Weight	31.0	95	33.6
	Birth Mat.	0.20	103	0.30
	Milk (Wn.Mat.)	7.9	104	6.6
Postwean Growth	12m weight	64	99	65.1
	Mature Weight	59	95	65
	ADG	206	97	217
	FCR	-95	97	-100
Fertility	Scrotal Circumf.	21.1	101	20.5
	Heifer Fertility	-3.8	99	-4.3
	Cow Fertility	-2.4	102	-2.2
	Longevity	36.1	106	32.7
Frame	Frame score	-1	93	0
	Length	44	93	49
Carcass	Dressing%	0.55	93	0.69
	Marbling	0.66	100	0.71

Selection Value	Ave. Herd
Calving Ease	106
Calf Growth	95
Milk	104
Maintenance	104
Fertility	104
Cow Value	101
Growth Value	96
Production Value	99
Carcass Value	93

- Average of live animals in the breed: 100
- Above 100: **more favourable**,
- Below 100: **less favourable**

What does a sub-selection value above breed average (100) mean?:

Calving ease:	Smaller calf at birth - easier calving
Calf growth:	Heavier calves at wean due to growth potential of the calf
Milk:	Cows with more milk and better mothering ability
Maintenance:	Animals with low maintenance requirements (lower mature weight).
Fertility:	Cows/daughters that calve earlier and/or more regularly.

Genetic Windows

Bulls on the farm

Bulls born in and earlier

Total:

130
120
110
100
90
80
70

130
120
110
100
90
80
70

Sires of young animals

Sires of animals 3 years and younger

Total:

130
120
110
100
90
80
70

130
120
110
100
90
80
70

Bull calves

Bulls born in

Total:

130
120
110
100
90
80
70

130
120
110
100
90
80
70

Cow Herd

Cows born in and earlier

Total:

Cows older than 6 years

Cows born in and earlier

Total:

Heifer calves

Heifers born in

Total:

Genetic Trends for On-Farm Traits

The graphs show the genetic gain of the herd relative to the breed. Only data of animals with measurements are included.

Herd

Birth Year	Calving Ease				Calf Growth			Milk			Maintenance				Fertility						Cow Value			
	Birth Weight		Dir	Mat	Calv. Ease	Weaning Weight		Calf Growth	Milk (Wn.Mat.)		Milk	Postwean Weight		Mature Weight		Maintenance	Heifer Fert.		Cow Fert.			Longevity		Fertility
	Number	EBV				Number	EBV		Number	EBV		Number	EBV	Number	EBV		Number	EBV	Number	EBV		Number	EBV	

Breed

Birth Year	Calving Ease				Calf Growth			Milk			Maintenance						Fertility						Cow Value
	Birth Weight		Mat EBV	Calv. Ease	Weaning Weight		Calf Growth	Milk (Wn.Mat.)		Milk	Postwean Weight		Mature Weight		Maintenance	Heifer Fert.		Cow Fert.		Longevity		Fertility	
	Number	Dir EBV			Number	EBV		Number	EBV		Number	EBV	Number	EBV		Number	EBV	Number	EBV	Number	EBV		
2016	6114	1.53	0.31	101	4059	29.5	92	4059	4.96	95	1835	65.3	539	63	103	1017	-3.1	827	-1.9	6446	23.5	93	88
2017	6172	1.52	0.34	101	4081	29.9	93	4081	5.26	96	1814	65.3	632	62	103	1075	-3.5	965	-1.9	6390	23.6	94	90
2018	6114	1.52	0.32	101	4332	30.9	95	4332	5.32	96	1932	66.9	618	62	103	1061	-3.7	948	-2.1	6300	24.8	96	92
2019	5856	1.56	0.29	101	4093	31.4	96	4093	5.74	97	1785	67.3	755	63	103	1135	-3.4	1036	-1.9	6019	25.4	96	94
2020	5733	1.56	0.32	100	4114	31.8	96	4114	6.28	99	1789	69.0	830	65	101	1154	-3.6	1058	-2.0	5815	26.6	97	95
2021	5977	1.58	0.33	100	4408	32.4	98	4408	6.24	99	1881	70.5	729	64	101	1085	-3.7	959	-2.1	5385	27.4	99	96
2022	5930	1.65	0.30	100	4462	32.7	98	4462	6.17	98	1963	70.8	603	61	102	1077	-4.3	479	-2.4	2697	28.5	102	98
2023	6401	1.59	0.34	100	4712	33.1	99	4712	6.64	100	2072	72.6	163	65	100	650	-4.3	76	-2.5			103	99
2024	6631	1.59	0.32	100	4760	33.8	100	4760	6.91	101	1702	74.4	4	62	98	103	-3.8					102	101
2025	6430	1.60	0.32	100	3874	34.2	101	3874	6.99	101	263	75.9			97								102
2026	2506	1.62	0.31	100	26	36.2	105	26	7.18	102													107

Genetic Trends for Growth Test and Carcass Traits

Herd

Birth Year	Growth												Frame						Carcass						Selection Values		
	FCR			ADG			Veld Growth			Scrotum			Height			Length			EMA		Fat		Marbling		Carcass Value	Growth Value	Prod Value
	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi	RTU Number	EBV	EBVi	EBV	EBVi	EBV	EBVi		

Breed

Birth Year	Growth												Frame						Carcass						Selection Values			
	FCR			ADG			Veld Growth			Scrotum			Height			Length			RTU Number	EMA		Fat		Marbling		Cracss Value	Growth Value	Prod Value
	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi	EBV	EBVi	EBV	EBVi	EBV	EBVi				
2017	11	-114	108	370	205	97	1308	69	97	401	19.6	98	377	0	100	372	47	97	201	2.56	98	1.23	95	0.67	100	93	95	93
2018	18	-103	102	401	210	98	1357	69	97	406	19.6	98	402	0	100	402	48	99	158	2.60	98	1.35	96	0.52	98	98	96	96
2019	11	-104	102	439	222	101	1236	73	99	455	20.7	101	439	0	102	439	50	101	308	2.70	99	1.43	97	0.70	100	100	100	97
2020	8	-117	110	566	228	103	1098	77	100	486	20.9	101	562	0	103	562	51	103	445	3.10	103	1.71	99	0.82	101	103	101	99
2021				612	230	103	1134	78	100	543	21.9	103	612	0	104	612	52	104	383	3.20	104	1.57	98	0.98	103	104	102	102
2022	7	-121	112	552	226	102	1305	79	101	509	21.5	102	552	0	103	552	51	103	391	3.23	105	1.81	100	0.83	101	105	101	102
2023	12	-117	110	733	237	105	1303	80	101	690	22.4	104	772	0	103	771	53	105	541	3.50	107	1.90	101	1.19	106	107	104	104
2024	17	-113	108	670	232	104	987	82	101	641	22.8	105	724	0	104	724	53	105	582	3.49	107	1.85	100	0.87	102	106	103	105
2025				50	247	108	190	78	100	50	20.5	100	50	0	104	50	55	107	50	3.35	106	2.31	104	1.38	108	111	107	108
2026																												

Percentile Table for Bulls (based on live animals)

%	Calf weight			Growth & efficiency				Fertility				Frame	
	Birth weight	Weaning weight	Milk (WW.Mat.)	Post wean	Mature weight	ADG	Kleiber	Scrotal circum.	Heifer Fertility	Cow Fertility	Longevity	Frame Score	Length
Mean	1.62	34.2	6.8	71.8	67	220	86	20.9	-4.0	-2.2	32.9	0	50
Top	-6.07	62.5	22.5	125.1	132	562	248	58.0	-24.0	-8.2	48.2	5	102
1	-1.52	50.7	15.5	103.1	107	367	164	38.4	-16.8	-5.9	44.5	3	77
2	-1.02	48.4	14.3	98.4	101	335	148	36.1	-15.2	-5.4	43.5	2	73
3	-0.70	46.9	13.7	96.3	97	320	141	34.2	-14.3	-5.1	42.6	2	71
4	-0.45	45.6	13.3	94.3	94	312	135	32.9	-13.4	-4.9	42.0	2	68
5	-0.28	45.0	12.9	93.0	92	304	131	32.0	-12.7	-4.7	41.6	2	68
6	-0.14	44.6	12.5	92.1	91	297	128	31.0	-12.1	-4.5	41.3	2	66
7	-0.05	44.0	12.2	91.0	89	292	125	30.2	-11.6	-4.4	41.0	2	65
8	0.04	43.5	11.9	90.2	88	287	123	29.5	-11.2	-4.3	40.8	1	64
9	0.15	43.1	11.7	89.2	87	284	121	28.9	-10.9	-4.2	40.5	1	64
10	0.23	42.6	11.4	88.4	86	281	120	28.4	-10.6	-4.1	40.3	1	63
20	0.73	39.7	9.7	82.5	79	258	106	25.0	-8.3	-3.4	38.5	1	58
30	1.08	37.4	8.5	78.6	74	243	98	23.1	-6.6	-3.0	37.1	1	54
40	1.37	35.6	7.6	75.2	70	230	91	21.5	-5.3	-2.6	35.8	0	51
50	1.63	34.1	6.7	71.9	66	218	85	20.3	-4.0	-2.2	34.5	0	49
60	1.89	32.4	5.9	68.6	62	207	79	19.2	-2.7	-1.8	33.2	0	47
70	2.18	30.7	5.0	65.1	58	195	72	17.9	-1.3	-1.5	31.7	0	44
80	2.52	28.8	4.0	60.8	54	180	63	16.4	0.2	-1.0	29.6	-1	41
90	3.05	26.2	2.5	55.2	48	159	52	14.4	2.8	-0.2	23.9	-1	38
91	3.12	25.9	2.2	54.4	47	156	50	14.0	3.1	-0.1	21.0	-1	37
92	3.20	25.4	2.0	53.6	46	153	48	13.6	3.5	0.0	18.2	-1	36
93	3.29	25.0	1.8	52.4	45	150	47	13.2	4.0	0.2	15.3	-1	36
94	3.41	24.6	1.5	51.3	43	147	45	12.8	4.4	0.3	13.9	-2	35
95	3.51	23.9	1.1	50.1	42	143	43	12.3	5.0	0.4	12.7	-2	34
96	3.65	23.2	0.8	48.6	41	138	40	11.7	5.6	0.6	11.9	-2	33
97	3.86	22.5	0.3	47.1	39	133	37	10.7	6.4	0.9	10.8	-2	32
98	4.14	21.2	-0.3	44.7	36	126	31	9.5	7.4	1.1	9.6	-2	30
99	4.65	19.3	-1.1	41.7	32	114	24	7.2	9.4	1.6	8.2	-2	27
Bottom	7.01	7.7	-9.0	17.1	6	29	-41	-8.4	17.1	5.0	-0.1	-5	11

Percentile Table for Cows (based on live animals)

%	Calf weight			Growth & efficiency				Fertility				Frame	
	Birth weight	Weaning weight	Milk (WW.Mat.)	Post wean	Mature weight	ADG	Kleiber	Scrotal circum.	Heifer Fertility	Cow Fertility	Longevity	Frame Score	Length
Mean	1.64	33.4	6.6	69.6	65	216	86	20.3	-4.4	-2.3	32.6	0	49
Top	-4.71	58.5	26.5	124.3	153	539	248	49.4	-32.2	-11.0	51.0	5	110
1	-1.74	48.9	16.9	100.4	108	344	153	35.4	-19.7	-6.5	44.3	2	74
2	-1.25	47.1	15.8	96.3	101	324	143	33.4	-18.2	-6.0	43.0	2	71
3	-0.93	45.7	14.9	94.1	98	312	137	32.0	-16.8	-5.7	42.2	2	69
4	-0.71	44.8	14.1	92.1	95	304	133	31.0	-15.7	-5.4	41.7	2	67
5	-0.50	44.0	13.6	90.5	93	297	129	30.0	-15.1	-5.2	41.2	2	66
6	-0.31	43.3	13.1	89.2	91	291	126	29.3	-14.4	-5.0	40.9	2	65
7	-0.19	42.8	12.8	88.1	89	287	123	28.8	-13.8	-4.8	40.6	1	64
8	-0.08	42.3	12.5	87.3	88	283	121	28.2	-13.3	-4.7	40.3	1	63
9	0.02	41.9	12.2	86.4	87	280	119	27.8	-12.8	-4.6	40.0	1	63
10	0.11	41.5	11.9	85.7	86	277	118	27.4	-12.4	-4.5	39.8	1	62
20	0.74	38.7	9.9	80.3	78	255	106	24.5	-9.5	-3.7	37.8	1	57
30	1.11	36.7	8.5	76.5	73	239	98	22.8	-7.4	-3.1	36.3	0	54
40	1.41	35.0	7.5	73.1	69	227	91	21.4	-5.9	-2.7	35.0	0	51
50	1.69	33.4	6.6	69.8	65	214	85	20.1	-4.4	-2.3	33.7	0	48
60	1.97	31.8	5.6	66.5	61	203	79	18.9	-3.0	-1.9	32.2	0	46
70	2.26	30.0	4.6	63.1	56	191	72	17.5	-1.4	-1.4	30.7	-1	43
80	2.60	28.0	3.4	59.0	51	177	64	16.0	0.6	-0.8	28.6	-1	40
90	3.12	25.1	1.4	53.0	44	156	53	13.6	3.5	0.1	25.0	-1	36
91	3.19	24.6	1.2	52.2	43	153	52	13.3	4.0	0.2	24.3	-1	35
92	3.27	24.1	0.8	51.3	42	150	50	12.9	4.5	0.3	23.5	-1	35
93	3.36	23.7	0.5	50.4	40	146	48	12.5	4.9	0.5	22.3	-1	34
94	3.46	23.2	0.0	49.2	39	143	46	12.1	5.6	0.6	20.5	-2	33
95	3.57	22.5	-0.4	47.9	37	139	44	11.5	6.1	0.8	17.9	-2	32
96	3.72	21.7	-1.0	46.0	35	133	41	10.8	6.8	1.1	14.8	-2	31
97	3.88	20.8	-1.7	44.4	32	128	37	10.0	7.7	1.4	12.2	-2	30
98	4.14	19.6	-2.8	41.7	29	120	32	8.7	9.1	1.8	10.3	-2	28
99	4.53	17.3	-4.4	37.8	24	108	25	7.1	11.1	2.4	8.5	-2	25
Bottom	7.99	4.6	-18.7	6.3	-17	29	-23	-19.9	22.6	5.8	-3.9	-4	9

Sires

Bull				Selection Values								Birth			Wean					Grwth & Adaptation					Fertility				Frame		Carcass				Progeny			
Index EBV Acc	Genomic	Sire ID Dam ID	Comp.nr	Calv. Ease V	Calf Growth V	Milk Value	Maint. V	Fertility V	Cow Value	Growth Value	Prod. Value	Carcass V	Cow wt brth	Birth wt	Cow-Calf birth	Cow wt wean	Wean wt	Wean mat	Comb. mat	Cow-Calf wn	12m wt	ADG	Veld growth	FCR	Skin Thckn	Scrotum	Heifer Fert	Cow Fert.	Longevity	Frame score	Length	EMA	Fat	Marbling	Dress %	Nr measured		
Birth																																				Wean		
																																					Grwth Test	Dght&clv (Weaned)
195D		DUA149A		116	92	128	123	109	117	88	112	105	84	117	103	75	92	128	116	129	89	82	99	73	109	115	116	83	115	61	81	118	112	70	118	301	255	
Red		DUA 90A		94	98	90	88	68	79	45	72	82	45	0.03	-1.8	30	29	15.4	20.0	213	54	150	76	-53	0.95	27.2	-11.8	0.0	41	-3	34	4.48	3.34	-1.84	1.03	31	45	88
RED U2 MALBEC 195D													62	98	92	88	98	90		92	93	86	64	3	91	89	79	38	86	89	84	80	85	80	82			
203J		1154F		98	107	116	92	116	116	125	119	116	113	101	101	106	107	116	113	114	119	127	119	124	98	114	102	112	115	110	111	106	120	109	108	25	24	
Red		907G		83	87	76	75	76	72	75	73	75	83	1.52	-1.6	69	37	11.6	20.1	174	83	322	132	-142	0.55	26.5	-5.4	-3.8	41	1	58	3.34	4.23	1.46	0.84	1		
C-BAR COLLATERAL 203J													75	89	80	75	87	76		79	77	76	75	74	77	77	75	74	80	76	76	75	75	75	75			
731C		Y118		108	124	103	82	110	127	109	125	127	120	99	116	119	124	103	110	112	118	117	89	114	114	157	91	110	115	99	124	115	112	108	116	168	119	
Red		309A		94	96	89	88	89	83	89	84	90	92	1.69	-3.3	85	46	7.5	20.2	167	82	281	47	-124	1.11	45.8	0.0	-3.6	41	0	68	4.24	3.33	1.40	1.00	18		
RREDS SENECA 731C													88	98	91	88	96	89		91	93	91	87	87	93	92	88	87	91	92	91	89	90	89	90			
AV 150120		11X		95	85	83	101	99	75	103	77	98	95	107	93	100	85	83	84	76	95	97	118	98	157	119	103	94	101	80	82	94	117	108	97	216	198	
Red		DW 070573		95	98	93	91	87	84	86	84	86	59	0.94	-0.6	61	26	1.3	9.5	66	61	206	130	-97	2.62	29.1	-5.6	-1.4	33	-2	35	2.24	3.88	1.38	0.62		31	88
AV150120													84	98	94	91	98	93		94	92	86	81	84	89	88	87	82	93	87	86	85	87	85	86			
AV 190011		DKF 55C		98	104	109	91	114	110	101	108	109	106	90	106	108	104	109	107	107	111	101	109	98	96	66	115	110	106	117	113	98	104	98	99	46	40	
Red		AV 150205		80	90	69	62	51	65	43	61	42	74	2.58	-2.2	71	36	9.4	18.2	153	75	222	103	-96	0.48	5.2	-11.4	-3.5	36	1	59	2.62	2.31	0.56	0.67	10	3	4
AV190011													45	92	73	62	90	69		74	76	71	28	13	80	77	53	30	70	75	68	41	42	41	42			
AV 200062		AV 180089		104	83	95	109	91	80	84	78	80	86	108	98	91	83	95	91	86	89	84	94	82	137	113	76	100	101	71	66	83	107	114	85	84	73	
Red		AV 180003		82	93	71	68	47	67	31	60	44	48	0.85	-1.2	50	25	5.0	11.6	94	54	157	60	-69	1.91	26.2	6.9	-2.3	33	-2	22	1.17	2.62	1.88	0.39		8	11
AV200062													36	95	76	68	93	71		77	79	44	12	18	47	46	54	22	66	45	43	42	45	42	44			
AV 210020		6305		115	101	128	98	110	121	90	115	86	103	118	111	99	101	128	119	123	108	90	109	88	83	88	107	88	119	78	81	90	114	110	92	62	57	
Red		AV 150205		77	92	63	55	42	62	31	56	40	70	-0.03	-2.7	60	34	15.3	21.6	196	73	179	103	-79	0.00	15.0	-7.7	-0.6	43	-2	34	1.79	3.52	1.57	0.53			
DUNE RIDER													38	93	68	55	92	63		70	70	45	24	16	50	47	41	22	63	47	43	39	40	39	40			
AV 210098		DUA 17G		102	141	68	75	110	126	143	132	154	139	97	115	130	141	68	92	96	137	140	98	129	92	138	105	108	107	107	123	141	132	105	144	99	66	
Red		AV 140060		80	92	66	58	45	64	42	60	45	118	1.92	-3.2	100	54	-3.3	15.8	123	101	368	72	-150	0.35	37.4	-6.6	-3.4	36	1	67	6.77	5.71	1.13	1.52	7		
TOWNSHIP AV210098													32	95	71	58	92	66		72	73	67	35	15	75	73	47	23	65	71	65	43	47	44	45			
AV 220094		A163		113	94	101	117	100	103			86	79	97	110	82	94	101	99	104	92	94	111	95	105	90	87	102	108	95	94	95	97	94	95	11	11	
Red		AV 170023		70	80	58	52	39	56			14	39	1.91	-2.6	39	31	6.9	14.8	144	58	196	109	-91	0.80	15.8	1.9	-2.5	37	0	44	2.34	1.49	0.18	0.59			
DOMAIN AV220094													17	82	63	52	80	58		63	61	21	6	3	26	25	41	20	57	24	20	14	15	14	14			
DKF 55C		15A		97	121	94	91	123	123	130	126	136	110	72	100	110	121	94	103	108	130	131	136	125	106	107	134	121	99	152	134	111	112	106	113	266	223	
Red		21A		95	98	92	91	71	81	54	76	78	79	4.32	-1.5	74	44	4.8	18.0	155	94	335	182	-143	0.82	23.8	-20.2	-5.1	32	4	76	3.89	3.29	1.24	0.94	31	60	145
RED DKF RAZOR 55C													80	98	93	91	98	92		94	93	86	50	22	91	89	81	47	86	89	84	75	81	75	78			
H001		CPH744		103	81	117	103	92	87	97	87	93	97	116	96	95	81	117	105	101	95	93	108	93	102	83	83	86	108	97	96	94	80	105	92	86	72	
Red		F835		89	94	82	80	81	78	82	79	83	62	0.09	-1.0	56	24	12.0	16.0	135	60	190	101	-88	0.68	13.1	3.6	-0.4	37	0	46	2.19	-0.68	1.14	0.53	11		
RREDS BLUE PRINT H001													79	95	85	80	94	82		85	87	85	82	79	88	87	80	78	85	87	84	82	84	82	83			

Breeding Values and Accuracies: Bulls

Inbreeding in red is high

Value <80 Value >120

Breeding values with an accuracy < 5% are not printed

Animal				Selection Value										Birth			Wean					Growth & Adaptation					Fertility				Frame		Carcass			
ID	% Inbreeding	Genomic Parentage	Index EBV Acc	Calv. Ease V	Calf Growth V	Milk Value	Maint. V	Fertility V	Cow Value	Growth Value	Prod. Value	Carcass V	Cow wt -brth	Birth wt	Cow-Calf birth	Cow wt -wean	Wean wt	Wean mat	Comb mat	Cow-Calf wn	12m wt	ADG	Veld growth	FCR	Skin Thickn	Scrotum	Heifer Fert	Cow Fert.	Longevity	Frame score	Length	EMA	Fat	Marbling	Dress %	
			Sire ID																																	
			Dam ID																																	
WE 230024		195D		114	99	118	116	113	120	94	115	103	88	113	105	83	99	118	112	122	94	91	103	90	105	102	108	98	116	85	95	103	101	84	103	
Red		WE 180006		66	71	60	58	44	55	32	50	46	51	0.41	-2.1	39	33	12.3	19	195	60	184	86	-82	0.8	21.5	-7.9	-1.9	41.3	-1	45	3.09	1.88	-0.65	0.74	
WE230024													39	73	63	58	71	60		63	64	49	38	13	52	51	49	28	56	51	48	45	48	45	46	

Breeding Values and Accuracies: Cows & Heifers

Value <80 Value >120

Breeding values with an accuracy < 5% are not printed

Animal				Selection Values										Birth			Wean					Growth & Adaptability					Fertility				Frame		Carcass			
ID	% Inbreeding	Genomic Parentage	Index EBV Acc	Sire ID Dam ID	Calv. Ease V	Calf Growth V	Milk Value	Maint. V	Fertility V	Cow Value	Growth Value	Prod. Value	Carcass V	Cow wt -birth	Birth wt	Cow-Calf birth	Cow wt -wean	Wean dir	Wean mat	Comb mat	Cow-Calf wn	12m wt	ADG	Veld growth	FCR	Skin Thckn	Scrotum	Heifer Fert	Cow Fert.	Longevity	Frame score	Length	EMA	Fat	Marbling	Dress %
AV 240020		AV 150120		AV 150211	92	82	94	107	93	75	90	75	83	86	109	84	93	82	94	90	84	90	90	107	93	131	108	96	94	96	89	85	81	97	96	81
Red	2				66	71	62	58	44	55	38	52	36	48	0.80	0.4	52	24	5	11	89	56	180	96	-87	1.7	24.1	-2.5	-1.5	30.2	-1	37	0.93	1.49	0.33	0.33
AV240020														38	73	63	58	71	62		64	54	40	22	34	46	44	45	30	57	43	39	35	38	35	36
AV 240032		AV 190011		AV 160117	121	81	83	118	108	88	79	83	83	82	109	116	83	81	83	82	78	80	82	92	81	94	74	114	104	99	90	82	81	101	92	82
Red	10				62	70	54	48	37	50	26	45	24	42	0.79	-3.4	40	24	1	9	72	46	150	54	-67	0.4	8.8	-10.9	-2.8	32.4	-1	35	0.99	1.91	0.05	0.35
AV240032														29	72	57	48	70	54		57	46	40	16	12	46	44	37	23	51	43	38	25	23	25	24
AV 240036		H001		AV 210075	120	76	107	107	101	87	94	86	87	92	125	112	92	76	107	97	90	82	92	111	93	115	91	95	100	104	91	88	88	92	105	87
Red					59	69	47	43	34	47	34	44	37	56	-0.72	-2.8	51	21	9	13	105	48	185	108	-89	1.1	16.4	-1.8	-2.3	35.1	-1	40	1.60	0.83	1.10	0.44
BLUE PRINT		AV240036												28	72	52	43	69	47		53	50	42	29	26	47	45	34	22	46	44	40	35	39	35	37
AV 240038		203J		AV 190103	120	82	106	110	109	97	106	97	103	93	124	111	89	82	106	98	95	90	110	99	111	101	110	99	109	108	100	98	99	118	99	101
Red					57	67	43	39	32	45	24	41	26	56	-0.58	-2.8	47	25	9	14	121	55	257	73	-118	0.7	25.2	-3.8	-3.4	37.1	0	47	2.70	3.97	0.58	0.71
AV240038														30	70	49	39	67	43		50	38	30	20	16	33	32	30	22	44	32	29	25	26	25	26
AV 240041		731C		AV 200029	92	112	101	94	107	110	99	108	106	106	92	97	105	112	101	105	107	112	105	92	103	112	128	98	105	109	98	108	104	102	108	105
Red					58	70	47	37	28	45	25	41	35	74	2.40	-1.1	68	40	7	18	154	76	236	56	-105	1.0	32.8	-3.4	-2.9	37.5	0	55	3.22	2.04	1.42	0.77
SENECA		AV240041												18	72	49	37	70	47		51	51	40	11	9	45	44	26	14	45	43	39	33	37	33	35
AV 240043		AV 210020		AV 160058	130	88	111	112	102	106	90	102	81	91	126	121	87	88	111	103	104	88	93	104	95	83	93	102	83	113	77	78	81	108	106	83
Red	3				62	70	52	46	34	49	21	43	23	54	-0.84	-3.9	45	27	10	16	145	53	191	90	-91	0.0	17.5	-5.4	0.0	39.7	-2	32	0.98	2.82	1.20	0.36
AV240043														25	73	56	46	70	52		56	45	30	15	11	33	32	33	21	48	32	29	22	24	23	23
AV 240045		AV 210098		AV 200117	108	113	76	94	109	107	123	110	124	113	104	112	108	113	76	88	89	111	122	111	119	100	117	95	114	108	109	113	119	103	100	118
Red	1				60	69	50	46	32	48	26	44	30	84	1.29	-2.8	72	40	-1	13	104	75	301	109	-133	0.6	28.1	-1.9	-4.1	37.2	1	59	4.59	2.22	0.67	1.04
AV240045														24	72	54	46	69	50		55	47	39	21	11	41	43	33	19	45	42	38	29	31	29	30
AV 240065		DKF 55C		AV 180040	90	112	86	90	114	105	112	106	114	105	80	98	112	112	86	95	95	117	116	104	114	101	113	117	114	100	122	116	112	102	103	112
Red					67	71	62	59	44	55	32	50	44	72	3.55	-1.2	76	40	2	15	119	82	277	90	-123	0.6	26.1	-12.5	-4.2	32.8	2	62	3.93	2.04	0.96	0.91
RAZOR		AV240065												45	73	64	59	71	62		64	56	48	27	14	52	50	48	29	56	50	47	43	45	43	44
AV 240069		203J		AV 190122	87	113	122	88	108	118	122	120	115	112	86	96	110	113	122	119	122	122	121	124	122	102	110	93	110	111	117	118	111	117	97	113
Red					57	67	44	40	32	45	24	41	26	82	2.92	-0.9	74	40	13	22	195	86	295	148	-137	0.7	25.2	-1.1	-3.6	38.6	1	63	3.89	3.95	0.41	0.94
COLATTERAL		AV240069												30	70	50	40	67	44		50	38	30	20	16	33	32	30	21	44	32	29	26	27	26	26
AV 240087		AV 150120		AV 210124	82	101	98	94	104	93	105	94	95	100	87	88	106	101	98	99	97	108	101	125	105	130	107	102	101	105	97	96	95	94	100	95
Red					65	70	58	57	42	53	37	50	40	67	2.89	-0.1	69	34	6	15	125	73	222	149	-109	1.7	23.7	-5.3	-2.3	35.3	0	46	2.36	1.07	0.72	0.59
AV240087														36	72	61	57	70	58		62	53	40	21	33	43	44	45	28	54	43	39	38	42	38	40
AV 240099		AV 210020		AV 150152	119	87	112	101	112	102	83	97	76	101	115	116	98	87	112	104	100	93	86	112	86	86	96	106	113	106	76	78	75	103	99	77
Red					63	70	53	47	37	50	30	46	32	67	0.20	-3.4	59	27	10	16	135	58	164	111	-75	0.1	18.6	-7.0	-3.9	36.1	-2	32	0.39	2.23	0.64	0.24
AV240099														35	73	56	47	70	53		57	46	35	24	24	37	36	36	25	49	36	34	31	32	31	32
AV 240121		AV 200062		AV 140077	90	87	97	108	82	78	81	75	78	83	105	83	92	87	97	94	90	92	83	96	83	118	104	79	92	91	85	79	79	95	102	79
Red	1				63	71	56	51	35	51	22	45	24	44	1.13	0.5	51	27	6	13	107	58	154	65	-70	1.3	22.3	5.5	-1.2	27.8	-1	32	0.74	1.24	0.88	0.29
AV240121														29	73	58	51	71	56		59	50	28	15	15	31	30	36	20	49	29	27	23	24	23	24

Breeding Values and Accuracies: Cows & Heifers

										Value <80		Value >120		Breeding values with an accuracy < 5% are not printed																							
Animal				Selection Values										Birth			Wean					Growth & Adaptability					Fertility				Frame		Carcass				
ID	% Inbreeding	Genomic Parentage	Index EBV Acc	Sire ID	Dam ID	Calv. Ease V	Calf Growth V	Milk Value	Maint. V	Fertility V	Cow Value	Growth Value	Prod. Value	Carcass V	Cow wt -birth	Birth wt	Cow-Calf birth	Cow wt -wean	Wean dir	Wean mat	Comb mat	Cow-Calf wn	12m wt	ADG	Veld growth	FCR	Skin Thickn	Scrotum	Heifer Fert	Cow Fert.	Longevity	Frame score	Length	EMA	Fat	Marbling	Dress %
AV 240123		731C		AV 130118		100	111	98	103	97	110	96	107	107	91	94	101	97	111	98	102	108	109	102	72	100	99	126	84	106	103	90	106	99	104	102	100
Red						62	71	52	41	36	49	34	46	41	54	2.18	-1.6	58	39	6	17	157	73	227	-3	-99	0.6	32.2	3.4	-3.0	34.1	-1	54	2.73	2.30	0.85	0.69
AV240123															36	74	54	41	71	52		55	54	45	22	23	49	48	33	25	50	48	44	39	43	39	41
AV 240142		AV 210020		AV 190098		122	92	114	105	108	109	90	104	86	94	117	118	94	92	114	107	107	96	91	104	91	87	92	92	109	111	85	90	86	104	101	87
Red	2					61	69	50	47	37	49	29	45	32	59	0.05	-3.5	53	29	11	17	153	61	185	90	-85	0.2	16.8	-0.6	-3.5	38.5	-1	41	1.40	2.29	0.78	0.43
AV240142															34	72	55	47	69	50		55	48	35	25	23	37	36	37	26	47	36	34	32	33	32	32
AV 240143		AV 210020		AV 160033		99	88	118	116	100	99	79	94	74	82	104	89	83	88	118	108	113	97	82	90	82	94	91	99	90	108	74	74	80	105	98	81
Red	7					62	70	53	47	34	49	22	44	25	42	1.23	-0.2	39	28	12	17	170	62	150	47	-68	0.4	16.6	-3.8	-0.8	37.3	-2	29	0.82	2.44	0.50	0.32
AV240143															29	73	56	47	70	53		57	45	29	16	14	33	31	34	22	47	31	28	26	24	26	25
AV 240146		AV 220094		AV 220148		103	89	104	118	101	96			79	78	96	97	82	89	104	99	102	91	93	108	94	104	90	93	106	103	91	88	84	94	94	84
Red	2					56	65	44	43	28	44			12	37	1.99	-1.1	38	28	8	15	140	56	189	102	-90	0.7	16.1	-0.9	-3.1	34.2	-1	39	1.29	1.10	0.16	0.39
AV240146															16	69	51	43	65	44		51	40	15	8	5	17	17	30	15	40	17	15	12	13	12	12
AV 240148		AV 210020		AV 190006		113	99	109	98	111	110	96	107	93	101	113	111	100	99	109	106	106	105	98	113	97	94	94	110	96	113	100	94	88	104	102	90
Red						61	69	51	47	33	49	22	44	28	67	0.44	-2.8	62	33	9	17	150	70	208	115	-95	0.4	18.0	-8.8	-1.7	40.1	0	44	1.67	2.36	0.91	0.49
AV240148															30	72	55	47	69	51		56	47	32	19	11	36	34	34	20	46	34	31	27	29	28	28
AV 240154		AV 210020		AV 200010		120	90	122	105	102	109	88	104	84	94	120	114	93	90	122	111	113	95	86	105	91	95	79	99	85	114	92	86	81	106	104	82
Red	2					60	69	50	46	32	48	26	44	29	59	-0.21	-3.1	52	29	14	19	170	60	166	93	-84	0.4	11.4	-3.7	-0.2	40.4	-1	38	0.92	2.52	1.05	0.35
AV240154															28	72	54	46	69	50		55	47	33	20	19	35	34	32	19	45	34	32	28	30	29	29

Selection List on Cow Value

Bulls 2 years and older

ID Name Sorted on ID		Sire ID	Dam ID	% Inbreeding	Horned / Polled	Myostatin n1821 F94L		Genomic test	Calving Ease Value Acc	Calf Growth Value Acc	Milk Value Acc	Maint. Value Acc	Fertility Value Acc	Cow Value Acc	Growth Value Acc	Prod Value Acc		
									★★★★★									
1	WE 230024 WE230024	195D	WE 180006	0.0					114 66	99 71	118 60	116 58	113 44	120 55	94 32	115 50	103 46	

Selection List on Cow Value

Cows 2 years and older

ID	Name	Sire ID	Dam ID	% Inbreeding	Horned / Polled	Myostatin	Genomic test	Calving Ease Value	Calf Growth Value	Milk Value	Maint. Value	Fertility Value	Cow Value	Growth Value	Prod Value											
Sorted on ID						nt821	F94L	Acc	Acc	Acc	Acc	Acc	Acc	Acc	Acc											
								★★★★																		
1	AV 240041	SENECA AV240041	731C	AV 200029	0.1			92	58	112	70	101	47	94	37	107	28	110	45	99	25	108	41	106	35	
2	AV 240069	COLATTERAL AV240069	203J	AV 190122	0.0			87	57	113	67	122	44	88	40	108	32	118	45	122	24	120	41	115	26	
3	AV 240123	AV240123	731C	AV 130118	0.0			100	62	111	71	98	52	103	41	97	36	110	49	96	34	107	46	107	41	
4	AV 240148	AV240148	AV 210020	AV 190006	0.2			113	61	99	69	109	51	98	47	111	33	110	49	96	22	107	44	93	28	
								★★★★☆																		
1	AV 240043	AV240043	AV 210020	AV 160058	2.6			130	62	88	70	111	52	112	46	102	34	106	49	90	21	102	43	81	23	
2	AV 240045	AV240045	AV 210098	AV 200117	0.7			108	60	113	69	76	50	94	46	109	32	107	48	123	26	110	44	124	30	
3	AV 240065	RAZOR AV240065	DKF 55C	AV 180040	0.0			90	67	112	71	86	62	90	59	114	44	105	55	112	32	106	50	114	44	
4	AV 240099	AV240099	AV 210020	AV 150152	0.1			119	63	87	70	112	53	101	47	112	37	102	50	83	30	97	46	76	32	
5	AV 240142	AV240142	AV 210020	AV 190098	2.0			122	61	92	69	114	50	105	47	108	37	109	49	90	29	104	45	86	32	
6	AV 240154	AV240154	AV 210020	AV 200010	1.6			120	60	90	69	122	50	105	46	102	32	109	48	88	26	104	44	84	29	
								★★★★																		
1	AV 240038	AV240038	203J	AV 190103	0.2			120	57	82	67	106	43	110	39	109	32	97	45	106	24	97	41	103	26	
2	AV 240087	AV240087	AV 150120	AV 210124	0.2			82	65	101	70	98	58	94	57	104	42	93	53	105	37	94	50	95	40	
3	AV 240143	AV240143	AV 210020	AV 160033	6.6			99	62	88	70	118	53	116	47	100	34	99	49	79	22	94	44	74	25	
4	AV 240146	AV240146	AV 220094	AV 220148	1.9			103	56	89	65	104	44	118	43	101	28	96	44					79	12	
								★★★★☆																		
1	AV 240032	AV240032	AV 190011	AV 160117	9.7			121	62	81	70	83	54	118	48	108	37	88	50	79	26	83	45	83	24	
2	AV 240036	BLUE PRINT AV240036	H001	AV 210075	0.2			120	59	76	69	107	47	107	43	101	34	87	47	94	34	86	44	87	37	
								★★★																		
1	AV 240020	AV240020	AV 150120	AV 150211	2.1			92	66	82	71	94	62	107	58	93	44	75	55	90	38	75	52	83	36	
2	AV 240121	AV240121	AV 200062	AV 140077	1.0			90	63	87	71	97	56	108	51	82	35	78	51	81	22	75	45	78	24	

