

BORAN

GENOMIC BREEDING VALUE REPORT

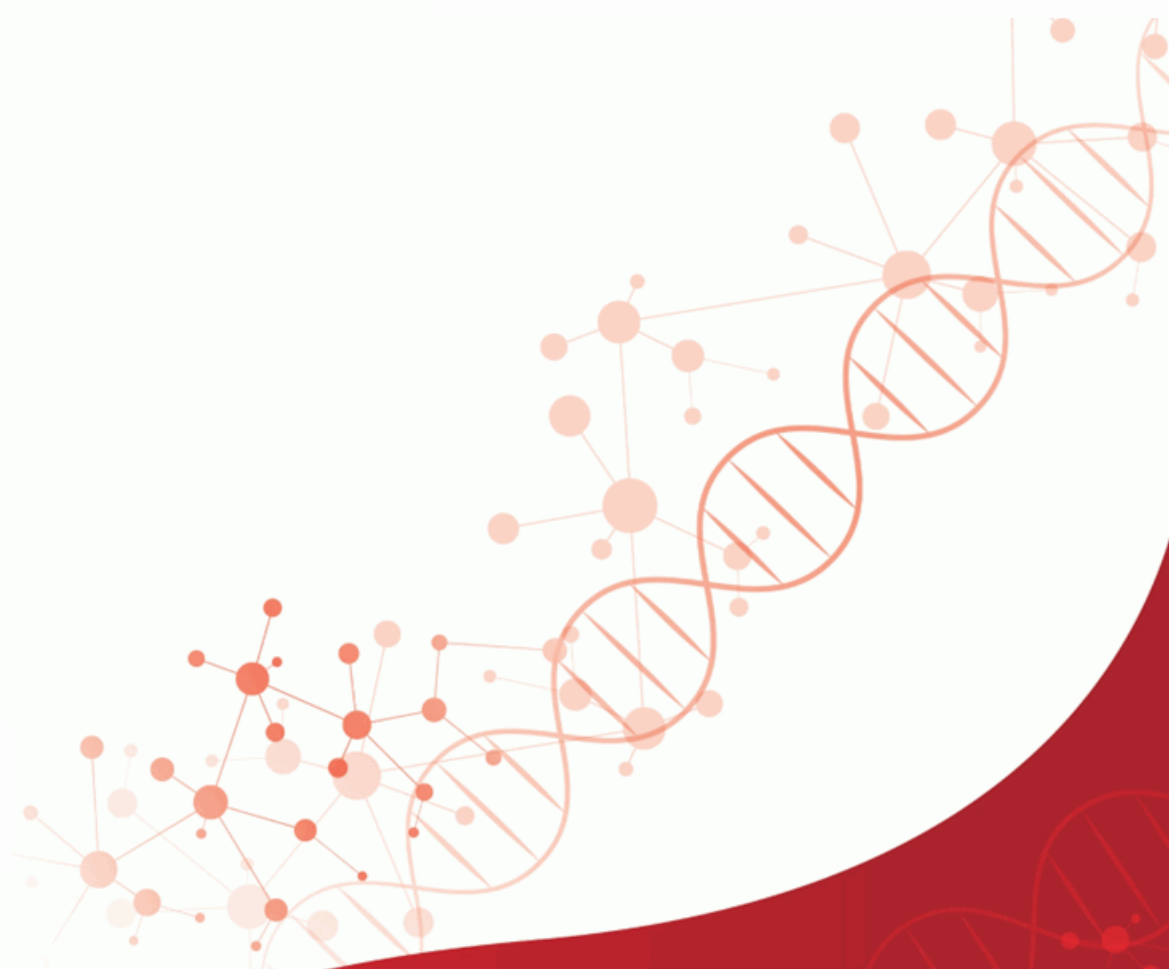
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SA Stud Book's breeding value analyses are at a very high standard and are internationally accredited. The models were adjusted to enable a more precise determination of current breeding values.

Genomic Breeding Values (GEBVs)



Genomically analyzed animals are marked with the accompanying logo. Older animals with accurate breeding values (Reference Population) are used to determine the relationship between the SNP markers and the breeding values, which are unique to each breed. Production measurements, pedigrees and genomic information are used to estimate Genomic Breeding Values (GEBVs). Genomically tested young animals therefore have extra information with which breeding values can be estimated especially for complex traits such as fertility and milk.

 Parentages can be determined very accurately with 50 000 markers, instead of the 15-30 markers with previous DNA tests, provided that the parent has also been genomically tested. Parentages are indicated as follows in this report:

- ☐ The parent has not been tested, and the parentage cannot therefore be confirmed genomically.
- ☒ Parentage is genomically correct
- ☒ Parentage conflict. If the correct parent has been genomically tested, SA Studbook will contact you. If the breeder of the animal confirms that the genomically designated parent was also on the farm at the time of mating, the parentage can be corrected. Please work extremely carefully when collecting and marking hair samples, otherwise the test must be repeated. If there are any queries, please contact Jason Reding at jason@studbook.co.za

Update to the Evaluation

Best scientific practice and technological improvements have made it possible to update the Genomic Evaluation as follows:

1. **Previous Calf:** A cow whose previous calf died or was not weaned will have its cow fertility and current calf's weaning weight penalized.
2. **The age adjustment** is within the contemporary group for weaning weight and growth traits instead of across the breed as before. This adjustment may affect some herds more than others.
3. **Mature Weight EBV/Maintenance Value** uses all of the cow's weights at weaning as a repeated measurement, not just the first 3 measurements as before. The EBV appears as Cow Weight Weaning on the report.

New breeding values

- **Cow weight at birth of the calf**
- **Cow weight at weaning of the calf**
- **Cow-Calf Ratio at birth of the calf.** The Cow-Calf ratio is calculated with breeding values.
- **Cow-Calf Ratio at weaning of the calf.** The Cow-Calf ratio is calculated with breeding values.
- **Veld growth breeding value:** The growth rate and adaptability from weaning to year or 18 months for animals in Phase B on the veld.
- **Skin thickness:** Skin thickness is an indication of adaptation, where thicker skins protect the animal more against ticks as well as heat (due to an increase in blood vessels in the skin)



EBVs, EBVi's and GEBVs

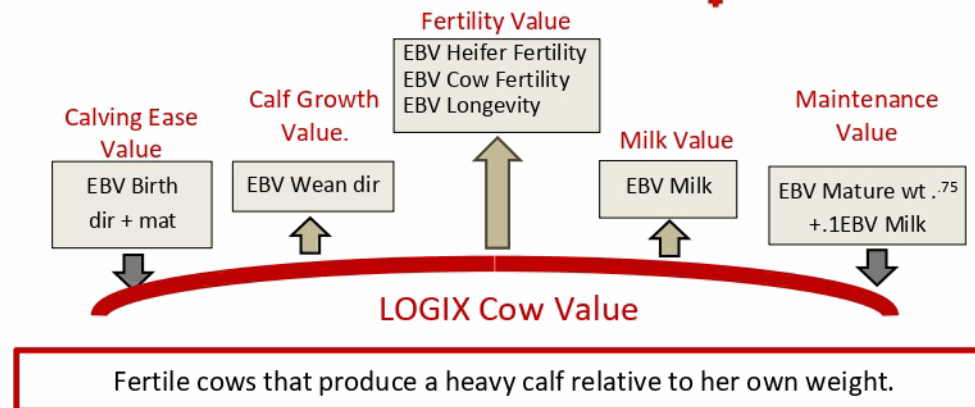
EBVi (Breeding Value Index): Genetic potential relative to the average (100) of the live animals in the breed. Roughly 50% of the animals have values between 90 and 110. Values above 100 tend to be in the more favourable direction.

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

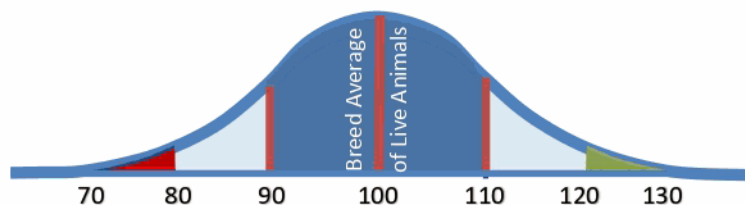
Growers are usually heavier at birth (lower Calving Ease Value), and maturity (lower Maintenance Value).

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

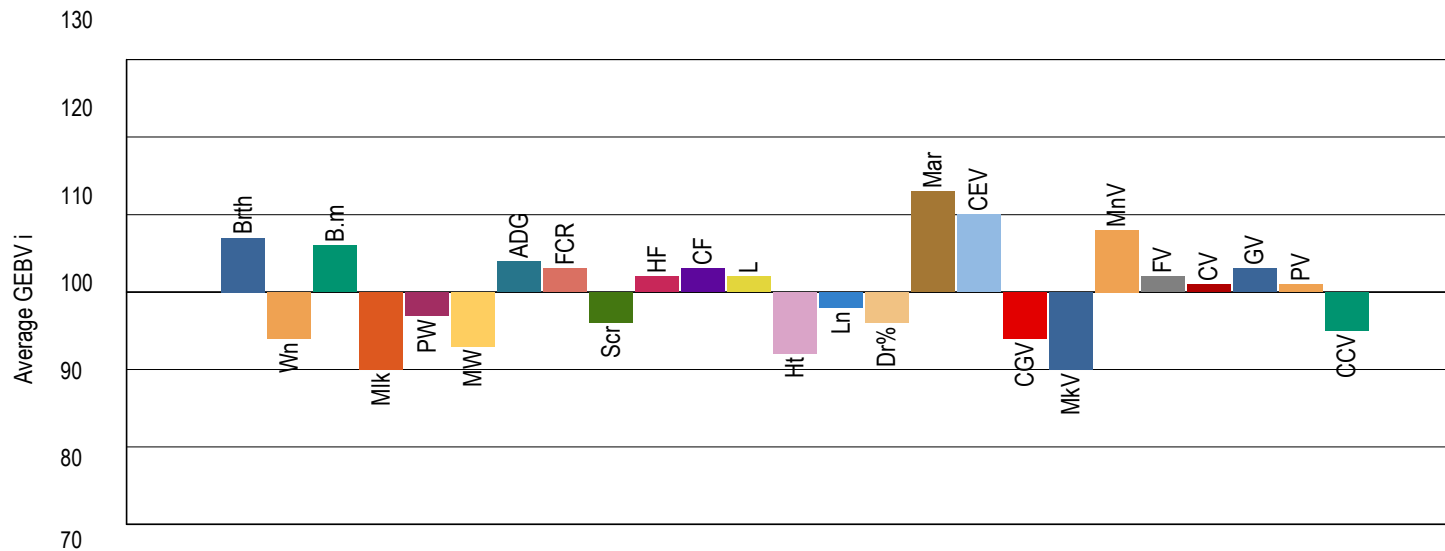


Examples

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
Milk:	Milk	LL:	Longevity
PW:	Post-wean weight	Ht:	Height
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	-0.12	107	0.35
	Wean Weight	-0.7	94	1.3
	Birth Mat.	-0.39	106	-0.21
	Milk (Wn.Mat.)	-1.9	90	0.5
Postwean Growth	Postwean Wt	2.5	97	4.0
	Mature Weight	1	93	7
	ADG	2	104	-3
	FCR	-6	103	0
Fertility	Scrotal Circumf.	0.0	96	2.0
	Heifer Fertility	-2.2	102	-1.0
	Cow Fertility	-0.6	103	-0.1
	Longevity	31.8	102	30.6
Frame	Height	-3	92	2
	Length	-1	98	1
Carcass	Dressing%	-0.05	96	0.00
	Marbling	0.53	113	-0.23

Selection Value	Ave. Herd
Calving Ease	110
Calf Growth	94
Milk	90
Maintenance	108
Fertility	102
Cow Value	101
Growth Value	103
Production Value	101
Carcass Value	95

- 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?:

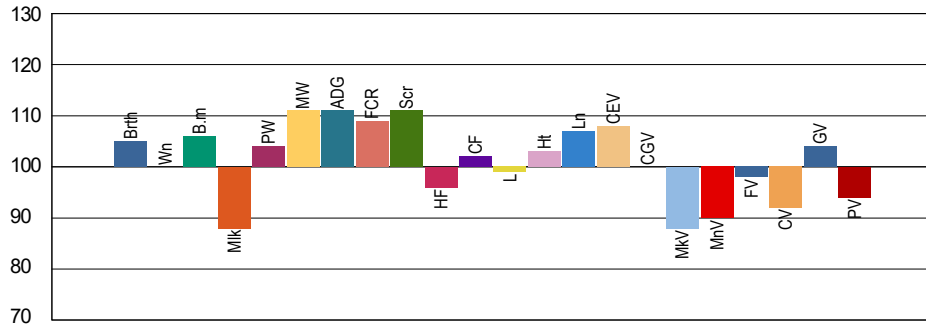
Calving ease:	Smaller calf at birth - easier calving
Calf growth:	Heavier calves at wean due to growth potential of the calf
Milk:	Cows with more milk and better mothering ability
Maintenance:	Animals with low maintenance requirements (lower mature weight).
Fertility:	Cows/daughters that calve earlier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

Genetic Windows

Bulls on the farm

Bulls born in 2023 and earlier

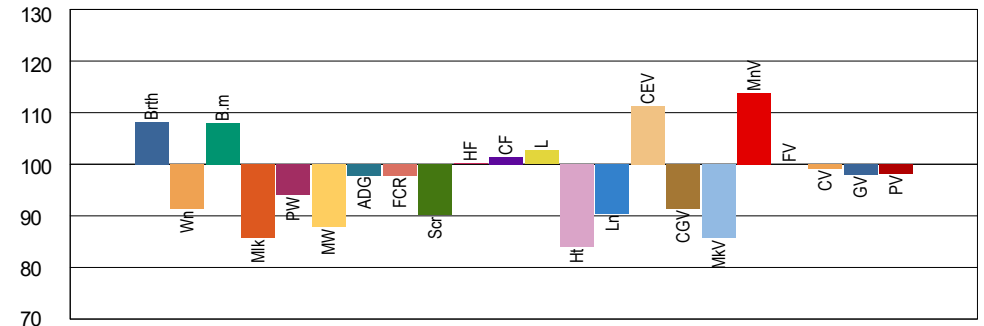
Total: 1



Cow Herd

Cows born in 2024 and earlier

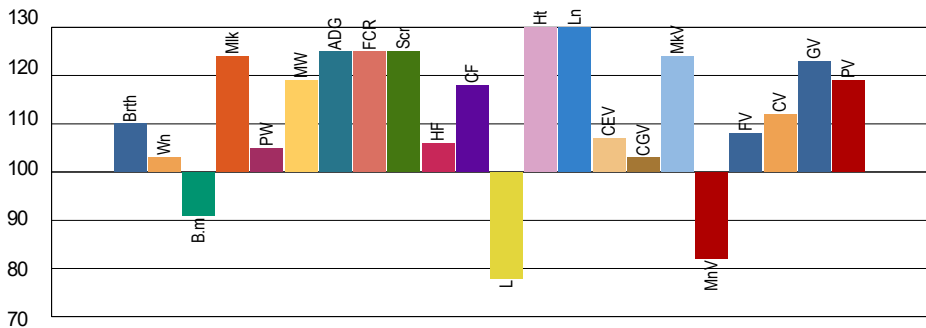
Total: 6



Sires of young animals

Sires of animals 3 years and younger

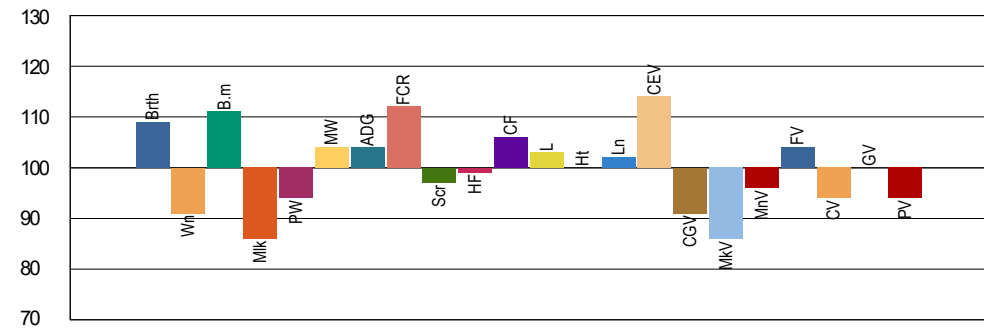
Total: 1



Cows older than 6 years

Cows born in 2020 and earlier

Total: 1



Bull calves

Bulls born in

Total:

130
120
110
100
90
80
70

Heifer calves

Heifers born in

Total:

130
120
110
100
90
80
70

Summary of Cow Herd

			Selection Values (SV)								Calf Weight		Dam		Growth & Efficiency				Fertility				Frame		
Birth Year	No. Cows	Average Cow Value	Calving Ease	Calf Grwth	Milk	Maint.	Fertility	Cow Value	Growth Value	Prod Value	Birth Weight	Wean Weight	Birth Mat.	Milk (Wn.Mat)	Postwn Weight	Mature Weight	ADG	FCR	Scrotal Circumf.	Heifer Fertility	Cow Fertility	Longevity	Height	Length	
Cows in Breed Average:			100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
2020	1	★★★★	114	91	86	96	104	94	100	94	109	91	111	86	94	104	104	112	97	99	106	103	100	102	
2021	5	★★★★☆	111	91	86	117	99	100	98	99	108	91	107	86	94	85	97	95	89	100	100	103	81	88	
Cows in Herd Average:			113	91	86	107	102	97	99	97	109	91	109	86	94	95	101	110	93	100	103	103	91	95	

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		Calv. Ease	Dir	Weaning Weight		Calf Growth	Milk (Wn.Mat.)		Postwean Weight		Mature Weight		Mainte- nance	Heifer Fert.		Cow Fert.		Longevity		Ferti- lity	
	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.)		Postwean Weight		Mature Weight		Mainte-nance	Heifer Fert.		Cow Fert.		Longevity		Ferti- lity		
	Number	Dir EBV			Number	EBV		Number	EBV	Number	EBV	Number	EBV		Number	EBV	Number	EBV	Number	EBV		Number	
2016	5443	0.25	-0.17	101	1281	0.3	97	1281	0.23	99	592	1.5	529	4	104	2172	-0.3	1452	-0.1	9930	20.4	96	96
2017	5493	0.27	-0.18	101	1761	0.5	98	1761	0.42	100	648	2.4	645	5	103	2363	0.4	1709	0.1	9984	21.7	96	96
2018	5384	0.28	-0.21	101	1835	1.1	99	1835	0.52	100	828	3.5	705	5	103	2244	-0.6	1771	-0.3	10164	23.4	99	98
2019	6007	0.27	-0.21	101	1830	1.1	100	1830	0.31	99	1030	3.8	813	4	103	2427	-0.7	1951	0.0	10086	24.2	98	98
2020	6058	0.28	-0.21	101	2614	1.2	100	2614	0.41	100	1350	4.0	812	5	102	2473	-0.5	1903	-0.3	9714	25.5	99	100
2021	6281	0.32	-0.24	101	2943	1.7	101	2943	0.38	99	1176	4.8	847	5	102	2722	-1.0	1752	-0.1	9450	26.3	100	101
2022	7027	0.38	-0.21	100	3201	1.7	101	3201	0.30	99	1254	5.4	769	3	102	2616	-1.7	603	-0.4	4191	25.3	101	101
2023	7776	0.34	-0.22	100	3889	1.5	100	3889	0.99	102	1553	4.8	92	4	100	1264	-1.9	7	1.3			102	101
2024	8885	0.37	-0.21	100	3974	1.9	102	3974	0.92	102	1552	5.1			99	13	-1.1					102	102
2025	9169	0.38	-0.20	100	3793	1.9	102	3793	1.13	103	219	5.6			98								103
2026	4059	0.36	-0.18	100	96	2.1	102	96	0.67	101													100

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	19	-7	104	176	-5	99	447	-10	97	174	1.1	98	175	0	97	175	-1	98	118	-0.22	96	-0.31	98	-0.32	99	98	96	95
2018	48	7	97	375	-4	99	458	-3	102	379	1.1	98	375	2	100	375	1	100	240	0.07	101	0.05	101	-0.33	98	98	96	99
2019	37	7	97	455	-3	100	563	-6	100	432	1.4	99	456	3	101	462	1	101	348	-0.01	100	-0.29	98	-0.32	99	98	98	101
2020	28	-7	104	580	0	102	722	-5	101	525	2.6	101	584	3	101	590	2	102	448	0.05	100	-0.22	99	-0.26	100	101	101	102
2021	40	-6	103	557	-3	101	642	-5	101	537	1.7	99	557	2	101	560	1	101	331	0.16	102	-0.15	99	-0.24	100	102	99	100
2022	67	-2	101	476	-1	102	795	-5	100	491	2.3	101	494	3	102	494	2	103	316	0.23	103	0.34	104	-0.19	101	104	100	101
2023	29	3	99	476	2	104	1016	-5	101	510	3.7	103	508	3	103	510	3	105	195	0.59	109	0.08	102	-0.35	98	107	102	104
2024	10	-6	103	476	-1	102	927	-8	99	463	4.6	105	462	4	103	463	3	104	159	0.55	108	0.52	106	-0.11	102	110	100	106
2025	6	-2	101	12	4	105	188	-4	101	12	7.3	110	12	3	102	12	2	103	12	-0.11	98	0.23	103	0.07	105	104	104	102
2026																												

Sires

Bull					Selection Values										Birth			Wean				Grwth & Adaptation					Fertility				Raam		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	Cow-Calf wn	Post wn wt	ADG	Veld growth	FCR	Skin Thckn	Scrotum	Heifer Fert	Cow Fert.	Longevity	Height	Length	EMA	Fat	Marbling	Dress %	Nr measured		
																																				Birth	Wean	
																																					Grwth Test	Dght&clv (Weaned)
BH 140086 80920564		B 050098 TLM 040022			120 96	74 94	97 93	120 94	115 92	106 85	88 92	101 87	74 92	73 -16 93	126 -1.31 96	141 -4.3 95	83 -8 94	74 -7.3 94	97 -0.2 93	87 -42 94	73 -10.7 92	99 -4 92	80 -36 89	109 -17 91	115 0.87 94	102 3.1 93	112 -8.8 91	116 -3.1 90	102 32.4 94	87 -6 93	99 -0.1 92	51 -3.20 92	61 -3.91 93	94 -0.60 92	48 -0.66 92	60 14	33 17 36	
FN 130007 83405985		HVT 970017 FN 090614			109 95	95 88	72 87	127 88	92 89	97 81	93 86	95 82	83 86	72 -17 86	107 -0.12 96	116 -1.9 92	76 -14 88	95 -0.2 88	72 -6.0 87	84 -47 88	98 3.0 86	89 -20 86	139 53 84	91 19 84	120 1.06 86	85 -5.4 86	93 3.6 88	97 0.4 86	99 29.7 93	67 -17 86	79 -12.0 86	87 -0.80 85	111 0.97 86	125 1.25 85	89 -0.13 86	102 3	3 4	
MAX 140022 81290850		GF 060010 MAX 100033			102 94	109 90	90 88	84 88	92 88	91 81	108 88	95 83	105 88	118 21 87	100 0.35 96	108 -1.2 92	118 22 88	109 4.4 90	90 -2.0 88	91 -33 89	114 11.9 88	119 24 88	105 2 85	106 -12 88	131 1.53 89	126 15.0 89	92 3.9 88	98 0.2 86	95 26.8 91	106 5 88	111 7.4 87	114 0.95 87	93 -0.75 88	102 -0.09 87	112 0.16 88	78 4	9	
NJS 070003 66762816		1310.LVIII KPO774			107 88	103 67	124 72	82 72	108 62	112 65	123 30	119 54	129 24	120 23 67	110 -0.28 89	106 -1.0 82	119 23 72	103 2.4 67	124 6.2 72	112 13 70	105 6.7 36	125 33 29	122 27 18	125 -50 12	94 -0.01 33	125 14.9 32	106 -5.1 65	118 -3.4 36	78 13.2 86	134 22 31	144 27.6 29	129 1.90 22	96 -0.44 25	97 -0.39 22	127 0.35 24	25 10	2 24	
WA 120261 76341304		FN 060064 FN 100587			101 90	98 66	116 59	90 61	105 61	103 62	104 46	104 57	112 44	108 13 58	111 -0.39 95	91 0.4 78	108 14 61	98 0.5 66	116 4.3 59	107 3 62	102 5.0 46	99 -5 45	83 -32 36	99 2 25	89 -0.22 50	111 7.4 49	105 -4.4 63	99 0.1 38	111 39.0 82	80 -10 48	91 -4.8 44	108 0.58 42	105 0.45 46	138 2.05 43	109 0.12 44	92 3	3 4	

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	Sire ID	Dam ID	Calv. Ease V	Calf Growth V	Milk Value	Maint. V	Fertility V	Cow Value	Wean Calf V	Growth Value	Prod. Value	Carcass V	Cow wt -brth	Birth wt	Cow-Calf birth	Cow wt -wean	Wean wt	Wean mat	Cow-Calf wn	Post wn wt	ADG	Veld growth	FCR	Skin Thckn	Scrotum	Heifer Fert	Cow Fert.	Longevity	Height	Length	EMA	Fat	Marbling	Dress %
MUL 220001	93829505	1	MAX 140022				108	100	88	90	98	92	92	104	94	96	107	105	111	111	100	88	86	104	111	95	109	116	111	96	102	99	103	107	94	85	98	92
							56	50	38	38	35	40	48	36	39	34	13	0.06	-1.4	16	1.4	-2.4	-43	6.3	13	-14	-18	0.9	7.7	1.8	-0.5	29.7	3	5	-0.37	-1.57	-0.33	-0.10
																	36	59	49	38	50	38	42	36	35	10	31	41	39	35	21	48	38	33	32	36	32	34
MUL 240001	96653761		NJS 070003				103	105	115	89	116	118	110	130	126	125	112	105	102	109	105	115	111	109	130	107	129	73	115	119	110	98	128	133	124	107	113	124
			MHB 050005				62	52	56	56	47	49	55	32	44	30	16	0.06	-0.6	15	2.9	4.1	11	8.7	41	5	-58	-0.9	9.8	-12.8	-2.0	28.6	18	21	1.61	0.63	0.56	0.32
																	50	61	60	56	52	56	55	34	32	14	14	35	34	49	30	61	33	31	28	31	28	30

Breeding Values and Accuracies: Cows & Heifers

Animal				Selection Values										Birth			Wean				Growth & Adaptability					Fertility				Frame		Carcass			
ID Animal no	% Inbreeding	Genomic Parentage	Index EBV Acc	Calv. Ease V	Calf Growth V	Milk Value	Maint. V	Fertility V	Cow Value	Wean Calf V	Growth Value	Prod. Value	Carcass V	Cow wt -birth	Birth wt	Cow-Calf birth	Cow wt -wean	Wean dir	Wean mat	Cow-Calf wn	Post wn wt	ADG	Veld growth	FCR	Skin Thickn	Scrotum	Heifer Fert	Cow Fert.	Longevity	Height	Length	EMA	Fat	Marbling	Dress %
BRO 200029 90533688	2	BH 140086 BRO 150153		114 67	91 66	86 55	96 55	104 39	94 52	85 63	100 44	94 50	87 42	97 4	109 -0.22	114 -1.7	104 10	91 -1.6	86 -2.8	82 -53	94 0.7	104 2	84 -30	112 -24	101 0.3	97 0.5	99 -0.3	106 -1.2	103 32.6	100 2	102 2	74 -1.69	76 -2.38	94 -0.58	72 -0.36
WA 210021 92266725		WA 120261 WA 120210		104 69	92 41	105 37	103 38	109 40	104 42	96 45	100 26	103 37	99 24	95 3	107 -0.12	95 0.1	95 3	92 -1.3	105 1.6	101 -12	95 1.5	100 -4	92 -19	96 8	88 -0.3	102 2.9	107 -5.3	106 -1.2	108 37.3	84 -8	91 -5	102 0.13	103 0.27	122 1.08	102 0.03
WA 210026 92340520		FN 130007 WA 140001		116 69	86 42	80 41	125 42	102 45	101 44	88 46	95 32	99 40	90 29	78 -12	110 -0.31	109 -1.3	78 -13	86 -3.4	80 -4.2	83 -51	87 -3.1	92 -15	123 28	88 25	110 0.7	77 -9.4	107 -5.7	98 0.2	100 30.9	79 -10	86 -8	92 -0.48	116 1.47	117 0.78	95 -0.06
WA 210035 92577337	8	FN 130007 WA 170019		122 69	88 43	74 40	121 43	96 43	98 44	87 47	102 30	99 40	88 28	84 -7	118 -0.80	118 -2.1	83 -8	88 -2.7	74 -5.7	77 -64	91 -0.9	102 -1	119 23	100 1	118 1.0	87 -4.8	96 1.9	103 -0.6	99 29.8	81 -9	89 -6	94 -0.37	105 0.44	123 1.11	95 -0.06
WA 210036 92577345	5	FN 130007 WA 170049		115 69	94 42	83 38	115 40	101 41	104 43	94 46	101 30	103 39	94 27	89 -3	110 -0.29	108 -1.1	88 -4	94 -0.8	83 -3.5	87 -41	98 3.0	99 -5	121 25	99 3	116 0.9	91 -2.4	99 -0.6	103 -0.7	107 36.0	82 -9	91 -5	95 -0.32	112 1.11	119 0.91	97 -0.04
WA 210041 92589274	3	FN 130007 WA 120223		97 69	97 40	86 38	123 39	88 42	94 42	98 45	90 27	91 38	83 24	75 -14	95 0.66	89 0.7	79 -11	97 0.3	86 -2.7	96 -21	99 3.6	90 -18	118 21	92 17	104 0.4	87 -4.6	93 3.4	92 1.5	99 29.4	78 -11	84 -9	87 -0.81	104 0.31	116 0.69	88 -0.15

Selection List on Cow Value

Bulls 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	Weaner Calf Value	Growth Value	Prod Value	Carcass Value
Sorted on ID							nt821	F94L	Q204X	Acc	Acc	Acc	Acc	Acc	Acc	Acc	Acc	Acc	Acc
									★★★★★										
1	MUL 240001	MUL240001	NJS 070003	MHB 050005	0.2					10362	10552	11556	8956	11647	11849	11055	13032	12644	12530
									★★★										
1	MUL 220001	CHIEF	MAX 140022	BRO 200029	0.6					10856	10050	8838	9038	9835	9240	9248	10436	9439	9634

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	Weaner Calf Value	Growth Value	Prod Value	Carcass Value
Sorted on ID						nt821	F94L	Q204X									
1	WA 210021	WA210021	WA 120261	WA 120210	0.0												
2	WA 210026	WA210026	FN 130007	WA 140001	0.3												
3	WA 210036	WA210036	FN 130007	WA 170049	4.6												
1	BRO 200029	BROOKS-TRUDY	BH 140086	BRO 150153	1.7												
2	WA 210035	WA210035	FN 130007	WA 170019	8.1												
3	WA 210041	WA210041	FN 130007	WA 120223	2.8												

