

BORAN

GENOMIC BREEDING VALUE REPORT

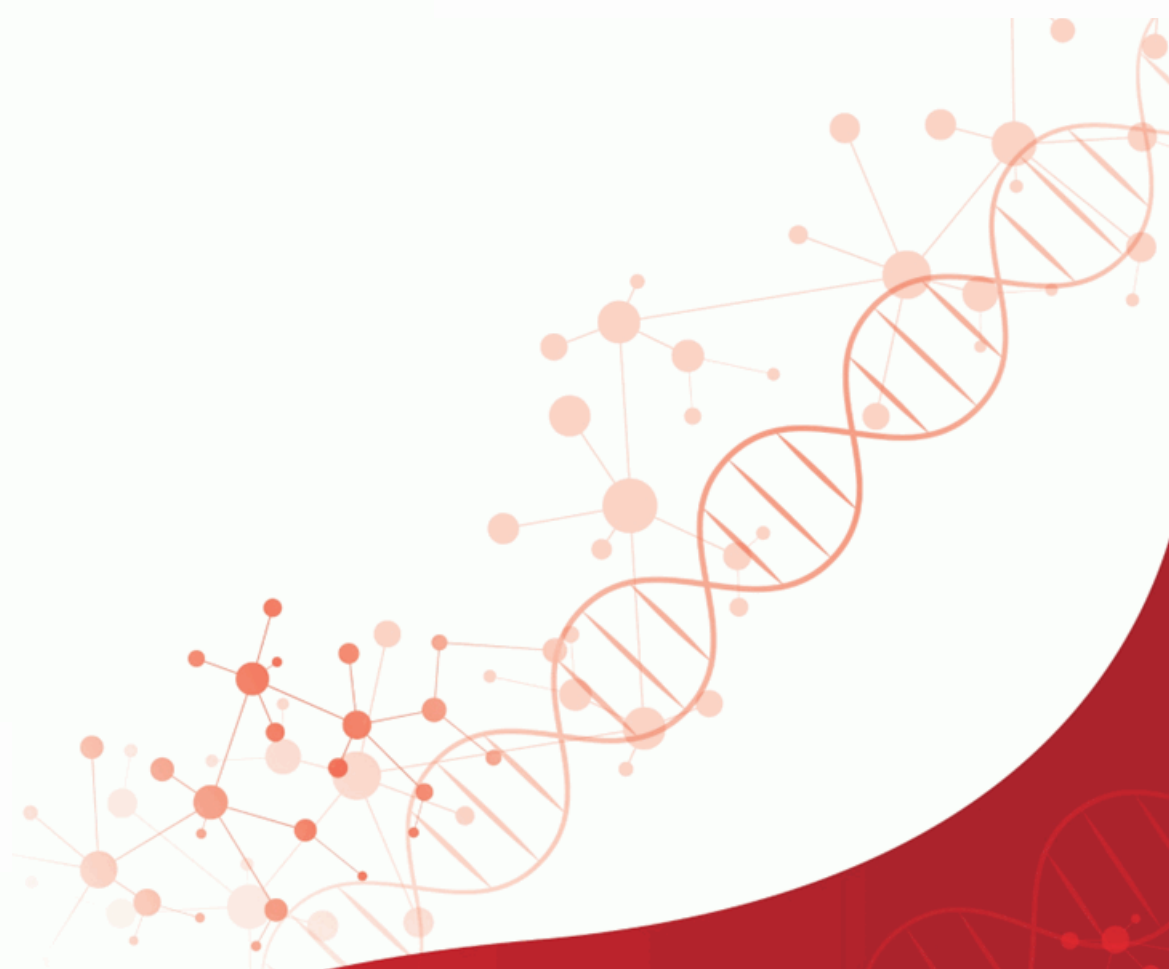
September 2026



CHARTWELL BORAN

Herd Number: 707861

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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

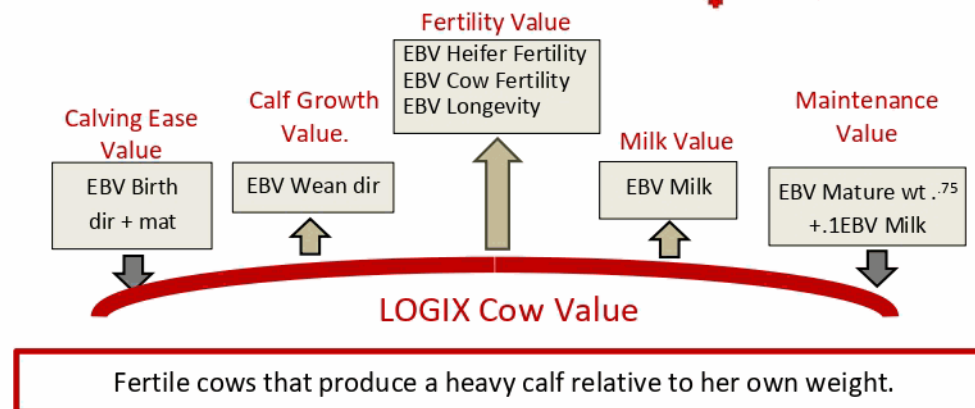
EBVi (Breeding Value Index): Genetic potential relative to the average (100) of the live animals in the breed. Roughly 50% of the animals have values between 90 and 110. Values above 100 tend to be in the more favourable direction.

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

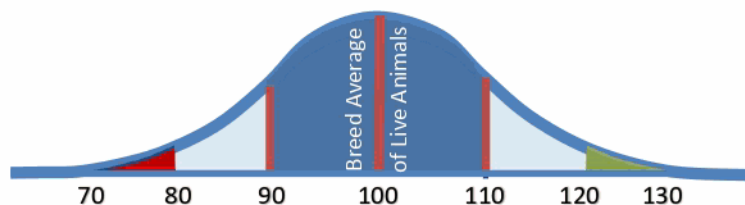
Growers are usually heavier at birth (lower Calving Ease Value), and maturity (lower Maintenance Value).

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

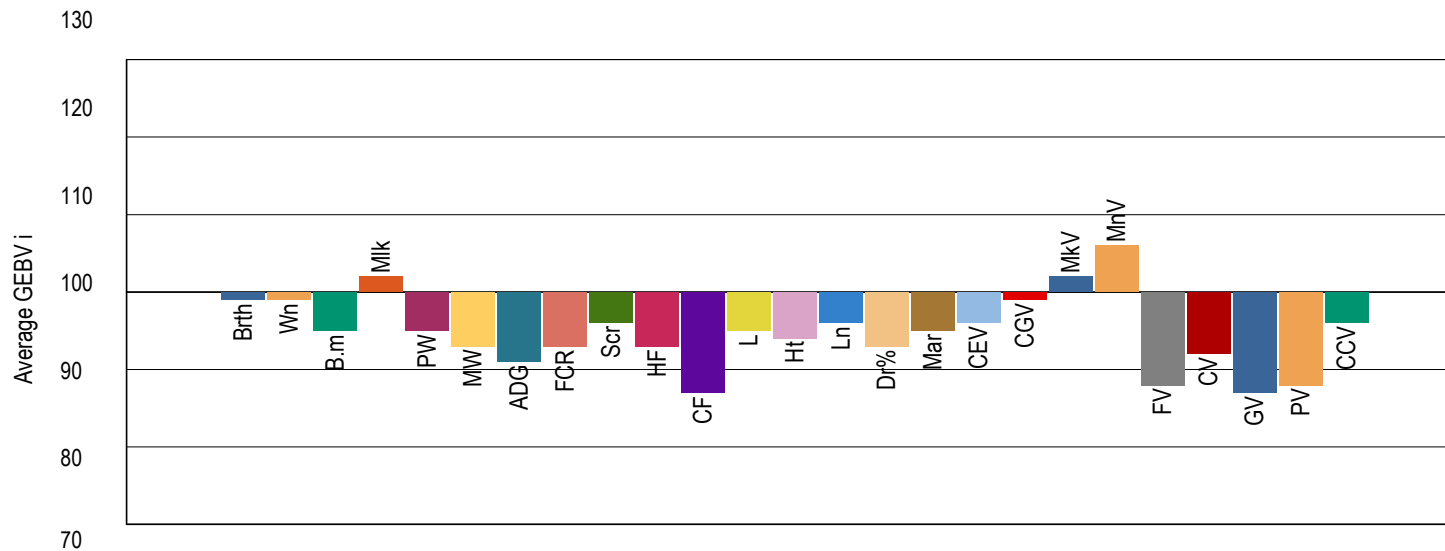


Examples

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
Mlk:	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
Prewrite Growth	Birth Weight	0.40	99	0.35
	Wean Weight	1.0	99	1.3
	Birth Mat.	-0.06	95	-0.21
	Milk (Wn.Mat.)	0.9	102	0.5
Postwean Growth	Postwean Wt	1.3	95	4.0
	Mature Weight	1	93	7
	ADG	-17	91	-3
	FCR	15	93	0
Fertility	Scrotal Circumf.	-0.2	96	2.0
	Heifer Fertility	3.7	93	-1.0
	Cow Fertility	2.4	87	-0.1
	Longevity	26.8	95	30.6
Frame	Height	-1	94	2
	Length	-2	96	1
Carcass	Dressing%	-0.09	93	0.00
	Marbling	-0.50	95	-0.23

Selection Value	Ave. Herd
Calving Ease	96
Calf Growth	99
Milk	102
Maintenance	106
Fertility	88
Cow Value	92
Growth Value	87
Production Value	88
Carcass Value	96

- 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?:

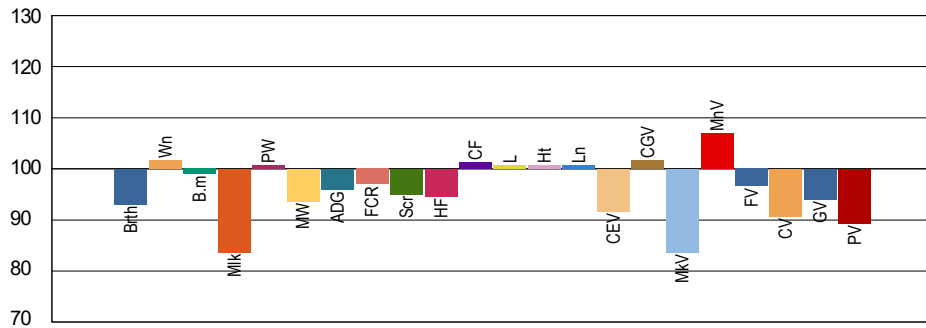
- Calving ease: Smaller calf at birth - easier calving
- Calf growth: Heavier calves at wean due to growth potential of the calf
- Milk: Cows with more milk and better mothering ability
- Maintenance: Animals with low maintenance requirements (lower mature weight).
- Fertility: Cows/daughters that calve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

Genetic Windows

Bulls on the farm

Bulls born in 2023 and earlier

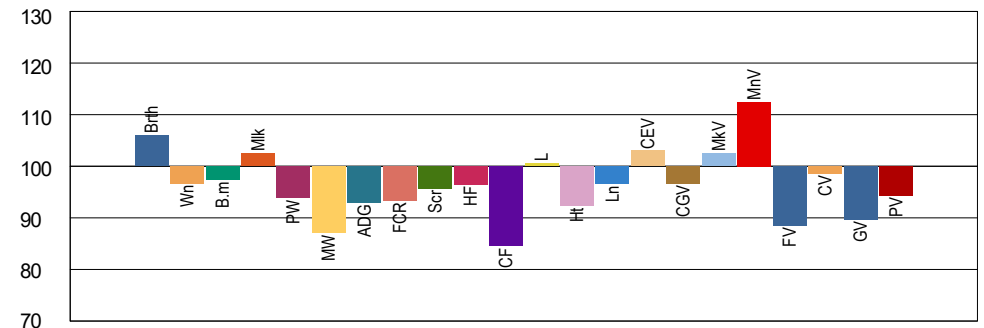
Total: 3



Cow Herd

Cows born in 2024 and earlier

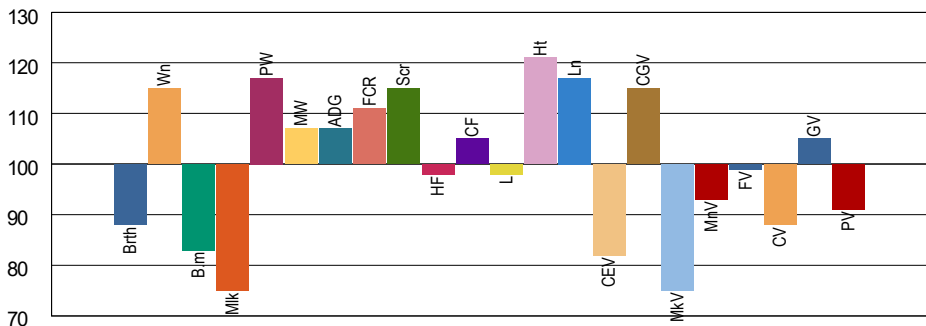
Total: 6



Sires of young animals

Sires of animals 3 years and younger

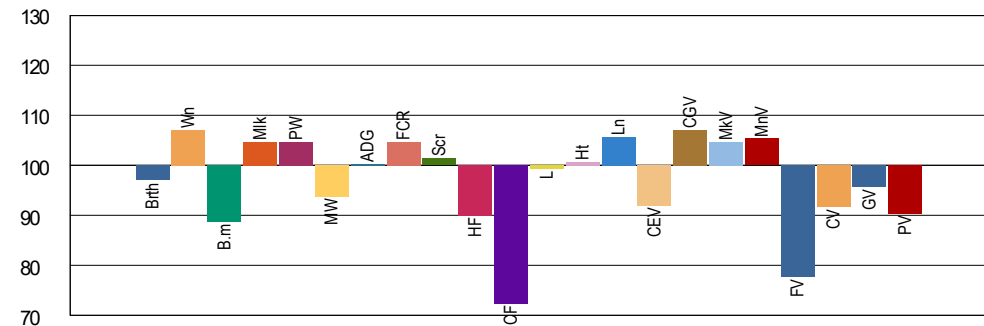
Total: 1



Cows older than 6 years

Cows born in 2020 and earlier

Total: 3



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
2018	2	★★★★	99	109	107	107	78	99	95	97	104	109	91	107	106	93	102	109	108	87	73	100	103	112	
2019	1	★★	78	103	101	102	78	77	97	78	84	103	84	101	103	96	98	96	89	96	71	98	96	93	
2021	1	★★★★★	129	67	103	135	110	112	73	100	132	67	122	103	65	63	76	70	94	115	103	102	73	78	
2022	3	★★★★	100	99	106	105	89	96	85	91	101	99	94	106	93	95	88	90	92	92	88	95	91	93	
2023	2	★★★☆☆	87	100	117	92	78	80	75	73	93	100	85	117	91	106	80	84	94	84	78	80	91	87	
Cows in Herd Average:			99	96	107	108	87	93	85	88	103	96	95	107	92	91	89	88	95	95	83	95	91	93	

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	Weaning Weight		Calf Growth	Milk (Wn.Mat.)		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

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		Maintenance	Heifer Fert.		Cow Fert.		Longevity		Fertility		
	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	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	
ID																																		Comp.nr	Birth
HOT 150013		MHB 040027	89	101	114	139	89	114	74	102	111	71	93	59	56	101	114	140	100	76	82	70	142	98	100	78	112	89	98	116	109	113	116	213	174
83412940		HOT 070009	97	97	93	94	90	85	94	88	94	-18	0.79	3.6	-32	1.7	3.7	74	3.9	-39	-34	59	2.02	1.0	-1.1	4.0	40.4	-4	-0.8	1.04	0.79	0.53	0.21	58	39
PRB 120027		BA 090111	107	100	58	96	103	85	101	87	94	100	105	107	105	100	58	65	100	106	80	105	64	112	105	116	95	126	116	91	68	117	87	76	37
75847582		BA 050030	93	89	84	86	69	76	78	77	70	7	0.06	-1.0	11	1.3	-9.5	-89	3.8	6	-36	-10	-1.27	7.9	-4.3	-3.0	26.5	17	10.6	-0.60	-3.16	0.77	-0.17	11	18
SPJ 110107		HVT 970017	99	92	76	128	78	82	73	74	76	77	93	92	73	92	76	86	80	68	74	62	117	49	86	80	96	65	79	96	98	112	96	100	25
73774804		SPJ 070007	95	87	84	87	71	77	70	75	63	-12	0.82	0.4	-16	-1.2	-5.1	-43	-7.0	-50	-45	77	0.95	-23.7	7.8	3.7	27.5	-19	-12.6	-0.23	-0.22	0.48	-0.05	7	22
SPJ 170014		SPJ 110107	95	88	88	122	96	90	80	83	76	82	91	104	80	88	88	90	83	81	68	74	94	75	88	103	106	70	78	91	87	106	89		
85315380		PRB 120038	63	57	58	58	47	51	44	49	38	-9	0.92	-0.7	-10	-2.7	-2.3	-34	-5.3	-32	-55	53	-0.03	-10.5	6.6	-0.5	35.4	-16	-13.0	-0.60	-1.37	0.15	-0.14		
SPJ 180004		PRB 120027	82	115	75	93	99	88	105	91	108	105	88	85	107	115	75	88	117	107	92	111	80	115	98	105	98	121	117	100	95	103	100		
86937232		VST 110017	86	84	84	84	82	76	82	78	82	11	1.10	1.1	13	6.1	-5.4	-40	13.2	7	-18	-21	-0.63	9.5	0.2	-0.9	28.6	14	11.1	0.03	-0.60	-0.06	0.00		
TZ 150015		HOT 130001	72	130	113	84	55	79	121	89	129	133	62	84	116	130	113	122	128	120	81	100	91	74	70	51	102	87	100	117	109	108	118	22	18
83000976		VST 120033	85	84	69	54	58	65	77	69	46	34	2.83	1.1	21	11.1	3.6	36	19.4	26	-35	0	-0.14	-11.2	18.2	9.0	32.5	-6	0.8	1.13	0.82	0.26	0.23	8	5
VST 120018		CI 080030	93	121	116	83	81	100	123	108	123	122	86	108	118	121	116	118	115	128	101	133	58	114	85	78	97	103	130	143	100	75	141	125	98
75791046		MHB 050008	98	97	96	96	94	87	94	89	92	25	1.24	-1.1	23	8.3	4.3	27	12.5	38	-4	-66	-1.56	9.0	8.6	4.0	28.2	4	19.0	2.88	-0.05	-1.70	0.53	7	46
VST 120057		MHB 060030	114	80	70	139	55	68	45	51	73	75	111	91	59	80	70	77	75	54	70	50	52	93	68	55	95	56	66	60	87	76	60	123	114
76046465		MHB 070035	96	95	91	92	76	82	86	83	86	-15	-0.37	0.5	-29	-5.1	-6.7	-63	-9.8	-72	-52	101	-1.79	-1.4	19.7	8.2	26.9	-24	-20.4	-2.60	-1.36	-1.67	-0.51	24	41
W 180267		Z 060051	119	98	107	112	127	136	96	130	94	94	121	104	90	98	107	109	90	92	81	93	99	86	118	128	100	93	95	84	87	120	83	10	7
87943155		CTM 120107	89	88	86	86	85	78	85	80	83	1	-0.98	-0.8	-2	0.7	2.2	8	-1.6	-15	-35	15	0.19	-4.9	-12.3	-5.3	30.3	-2	-2.6	-1.01	-1.30	0.95	-0.21	4	2

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	Animal no	% Inbreeding	Genomic Parentage	Index		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 Thickn	Scrotum	Heifer Fert	Cow Fert.	Longevity	Height	Length	EMA	Fat	Marbling	Dress %
				EBV	Acc																																
SPJ 170014		SPJ 110107				95	88	88	122	96	90	87	80	83	76	82	91	104	80	88	88	90	83	81	68	74	94	75	88	103	106	70	78	91	87	106	89
85315380		PRB 120038				63	57	58	58	47	51	58	44	49	38	-9	0.92	-0.7	-10	-2.7	-2.3	-34	-5.3	-32	-55	53	0.0	-10.5	6.6	-0.5	35.4	-16	-13	-0.60	-1.37	0.15	-0.14
																50	63	62	58	57	58	58	40	43	21	24	47	45	47	33	60	45	41	36	40	37	38
SPJ 180004		PRB 120027				82	115	75	93	99	88	95	105	91	108	105	88	85	107	115	75	88	117	107	92	111	80	115	98	105	98	121	117	100	95	103	100
86937232		PRB 120027				86	84	84	84	82	76	84	82	78	82	11	1.10	1.1	13	6.1	-5.4	-40	13.2	7	-18	-21	-0.6	9.5	0.2	-0.9	28.6	14	11	0.03	-0.60	-0.06	0.00
		VST 110017														83	87	85	84	84	84	82	82	80	80	83	83	82	81	84	82	82	81	82	81	82	
CBS 230004		SPJ 180004				98	102	88	106	95	94	97	97	94	100	101	100	91	94	102	88	95	102	100	105	106	85	95	98	96	98	111	107	96	95	100	95
96194402		CBS 210004				45	39	38	38	32	35	40	32	34	31	7	0.36	0.4	1	1.8	-2.3	-25	5.2	-4	1	-12	-0.4	-0.4	0.6	0.7	29.1	8	5	-0.27	-0.60	-0.22	-0.06
																35	46	42	38	39	38	38	32	32	18	16	35	34	32	24	40	33	31	30	32	30	31

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	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 -birth	Birth wt	Cow-Calf birth	Cow wt -wean	Wean dir	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 %
PRB 180029		VST 120057			123	95	100	113	77	100	106	83	93	102	99	130	106	89	95	100	102	94	90	83	90	49	100	86	71	103	98	104	91	92	96	91
87890968		VST 150059			73	70	61	60	47	57	68	54	56	50	6	-1.62	-0.9	3	-0.3	0.5	-9	0.5	-19	-31	21	-1.9	2.1	7.8	5.3	33.0	1	3	-0.57	-0.83	-0.50	-0.12
															59	74	68	60	70	61	64	60	53	19	24	55	54	45	34	62	53	49	48	51	48	50
VST 180224	5	VST 120018			75	123	113	101	78	98	125	107	100	114	98	77	80	96	123	113	128	117	113	100	128	80	115	88	75	97	108	120	116	94	86	114
88019302		VST 140171			68	68	60	59	45	55	66	44	52	42	5	1.82	1.6	4	8.7	3.5	48	13.6	17	-6	-54	-0.6	9.8	6.4	4.6	27.9	6	13	1.05	-0.65	-1.05	0.18
															60	71	64	59	68	60	62	58	44	26	18	47	46	44	32	60	46	43	40	43	41	42
TZ 190034	4	TZ 150015			78	103	101	102	78	77	98	97	78	103	108	84	77	96	103	101	105	103	98	100	96	102	89	96	71	98	96	93	91	106	101	93
89966709		TZ 150077			67	56	52	36	40	47	55	46	47	30	13	1.39	1.8	4	2.4	0.7	-2	5.4	-7	-6	9	0.3	-3.6	1.6	5.2	29.3	0	-3	-0.58	0.55	-0.16	-0.09
															31	72	55	36	56	52	48	38	45	20	21	49	48	41	28	52	47	44	29	32	30	30
CBS 210002	1	HOT 150013			129	67	103	135	110	112	86	73	100	89	70	132	122	63	67	103	96	65	76	73	70	108	94	115	103	102	73	78	81	99	124	82
93973717		JH 070008			64	61	60	60	46	53	61	52	53	50	-18	-1.69	-2.5	-26	-9.6	1.1	-22	-15.2	-39	-47	60	0.6	-0.8	-10.5	-0.7	32.2	-14	-13	-1.21	-0.13	1.20	-0.23
															57	63	63	60	61	60	60	53	52	27	24	56	55	49	32	57	54	51	49	52	48	50
CBS 220001	1	W 180267			99	101	104	106	102	106	105	97	104	98	101	102	90	93	101	104	107	96	95	90	94	100	88	107	100	98	95	94	88	97	111	88
93973725		TZ 190034			52	46	42	36	36	39	45	38	39	28	7	0.21	0.5	1	1.5	1.5	3	1.9	-11	-21	12	0.2	-4.3	-5.4	0.0	29.3	-1	-3	-0.80	-0.37	0.39	-0.15
															31	55	46	36	46	42	41	32	38	17	20	43	41	36	28	44	40	37	26	29	27	28
CBS 220002		VST 180224			86	105	119	92	78	85	108	77	78	91	96	91	88	106	105	119	115	94	84	103	93	77	101	82	78	81	94	93	97	77	70	94
93973709					34	34	30	30	24	28	33	22	26	21	3	0.96	0.7	12	2.8	5.1	21	0.9	-27	-1	15	-0.7	2.3	10.6	4.0	15.1	-2	-3	-0.17	-2.29	-2.02	-0.08
															30	35	32	30	34	30	31	29	22	13	9	24	23	22	16	33	23	21	20	22	20	21
CBS 220003	1	SPJ 170014			114	91	94	118	86	98	98	81	91	89	91	111	105	85	91	94	96	88	85	76	82	71	88	87	87	105	84	91	91	89	101	90
93973691		PRB 180029			49	45	42	42	33	38	45	34	37	31	-1	-0.35	-0.8	-7	-1.5	-0.9	-22	-2.4	-25	-43	37	-1.0	-4.2	7.2	2.4	34.2	-8	-5	-0.58	-1.10	-0.18	-0.13
															39	49	46	42	45	42	43	36	34	14	17	36	35	32	24	43	35	32	30	32	30	31
CBS 230002		VST 180224			86	105	119	92	78	85	108	77	78	91	96	91	88	106	105	119	115	94	84	103	93	77	101	82	78	79	94	93	97	77	70	94
95459111					34	34	30	30	23	28	33	22	26	21	3	0.96	0.7	12	2.8	5.1	21	0.9	-27	-1	15	-0.7	2.3	10.6	4.0	13.5	-2	-3	-0.17	-2.29	-2.02	-0.08
															30	35	32	30	34	30	31	29	22	13	9	24	23	22	16	30	23	21	20	22	20	21
CBS 230003		TZ 190034			88	95	114	92	78	74	95	72	67	86	100	94	87	106	95	114	105	87	76	103	75	88	87	86	77	80	88	80	85	83	77	83
96064035					34	28	26	18	20	23	27	22	23	16	7	0.75	0.8	12	-0.3	3.7	-3	-3.2	-39	-1	50	-0.3	-4.4	8.2	4.3	14.3	-5	-12	-0.98	-1.69	-1.57	-0.22
															16	36	28	18	28	26	24	19	22	10	11	24	24	20	14	26	24	22	15	16	15	16

Selection List on Cow Value

Bulls 2 years and older

ID Sorted on ID		Name		Sire ID	Dam ID	% Inbreeding	Horned / Polled	Myostatin				Genomic test	Calving Ease Value Acc	Calf Growth Value Acc	Milk Value Acc	Maint. Value Acc	Fertility Value Acc	Cow Value Acc	Weaner Calf Value Acc	Growth Value Acc	Prod Value Acc	Carcass Value Acc
													★★★★									
1	CBS 230004	CBS230004		SPJ 180004	CBS 210004	3.2							9845	10239	8838	10638	9532	9435	9740	9732	9434	10031
2	SPJ 170014	SPJ 170014		SPJ 110107	PRB 120038	0.0							9563	8857	8858	12258	9647	9051	8758	8044	8349	7638
													★★★★☆									
1	SPJ 180004	SPJ 180004		PRB 120027	VST 110017	0.6	HH	0	0	0			8286	11584	7584	9384	9982	8876	9584	10582	9178	10882

Selection List on Cow Value

Cows 2 years and older

ID Sorted on ID	Name	Sire ID	Dam ID	% Inbreeding	Horned / Polled	Myostatin nt821 F94L Q204X	Genomic test	Calving Ease Value Acc	Calf Growth Value Acc	Milk Value Acc	Maint. Value Acc	Fertility Value Acc	Cow Value Acc	Weaner Calf Value Acc	Growth Value Acc	Prod Value Acc	Carcass Value Acc
								★★★★									
1	CBS 210002	CBS210002	HOT 150013	JH 070008	0.8			12964	6761	10360	13560	11046	11253	8661	7352	10053	8950
								★★★★☆									
1	CBS 220001	CBS220001	W 180267	TZ 190034	1.0			9952	10146	10442	10636	10236	10639	10545	9738	10439	9828
2	PRB 180029	PRB180029	VST 120057	VST 150059	0.2			12373	9570	10061	11360	7747	10057	10668	8354	9356	10250
								★★★★									
1	CBS 220003	CBS220003	SPJ 170014	PRB 180029	0.8			11449	9145	9442	11842	8633	9838	9845	8134	9137	8931
2	VST 180224	HONEY	VST 120018	VST 140171	4.7			7568	12368	11360	10159	7845	9855	12566	10744	10052	11442
								★★★☆☆									
1	CBS 220002	CBS220002		VST 180224	0.0			8634	10534	11930	9230	7824	8528	10833	7722	7826	9121
2	CBS 230002	CBS230002		VST 180224	0.0			8634	10534	11930	9230	7823	8528	10833	7722	7826	9121
								★★★									
1	CBS 230003	CBS 230003		TZ 190034	0.0			8834	9528	11426	9218	7820	7423	9527	7222	6723	8616
2	TZ 190034	TZ190034	TZ 150015	TZ 150077	3.7			7867	10356	10152	10236	7840	7747	9855	9746	7847	10330

