

TULI

GENOMIC BREEDING VALUE REPORT

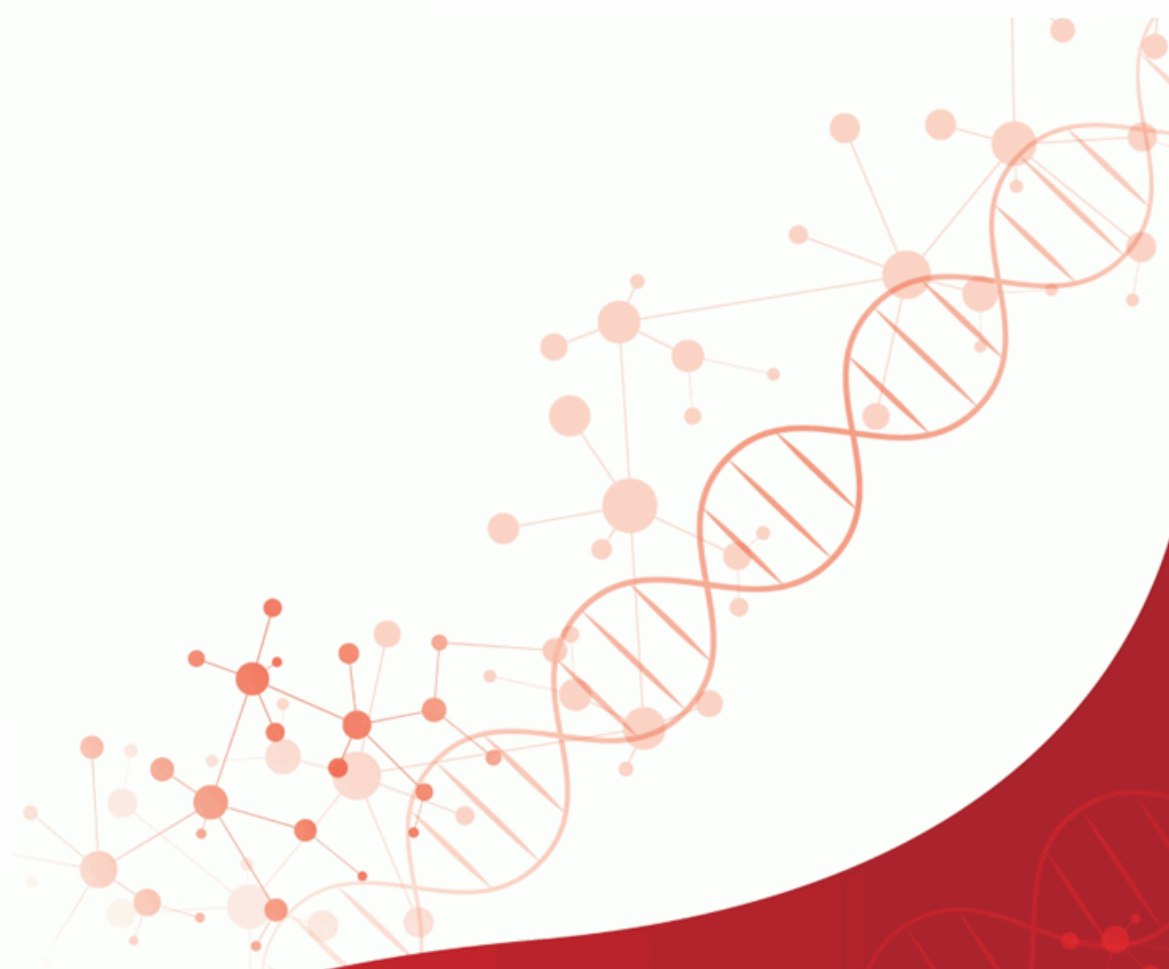
September 2026



RENTZ TRUST

Herd Number: 705170

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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

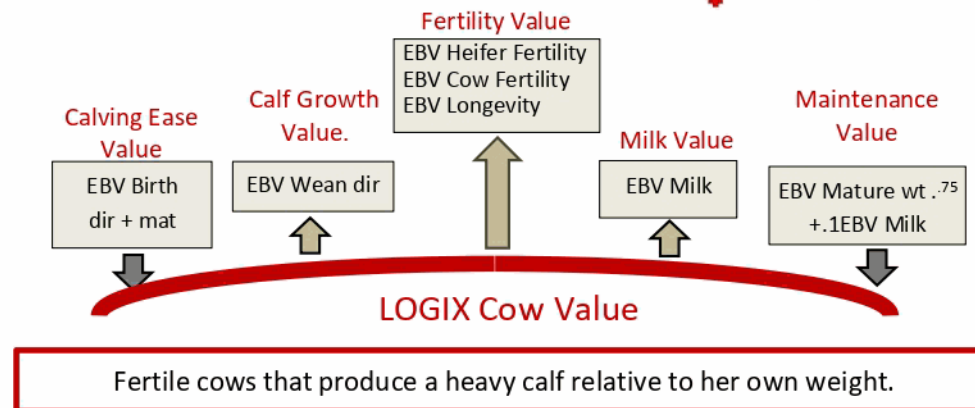
EBVi (Breeding Value Index): Genetic potential relative to the average (100) of the live animals in the breed. Roughly 50% of the animals have values between 90 and 110. Values above 100 tend to be in the more favourable direction.

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

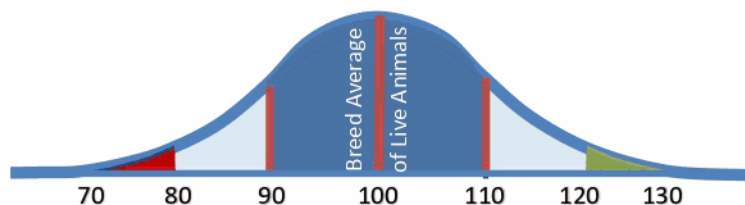
Growers are usually heavier at birth (lower Calving Ease Value), and maturity (lower Maintenance Value).

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

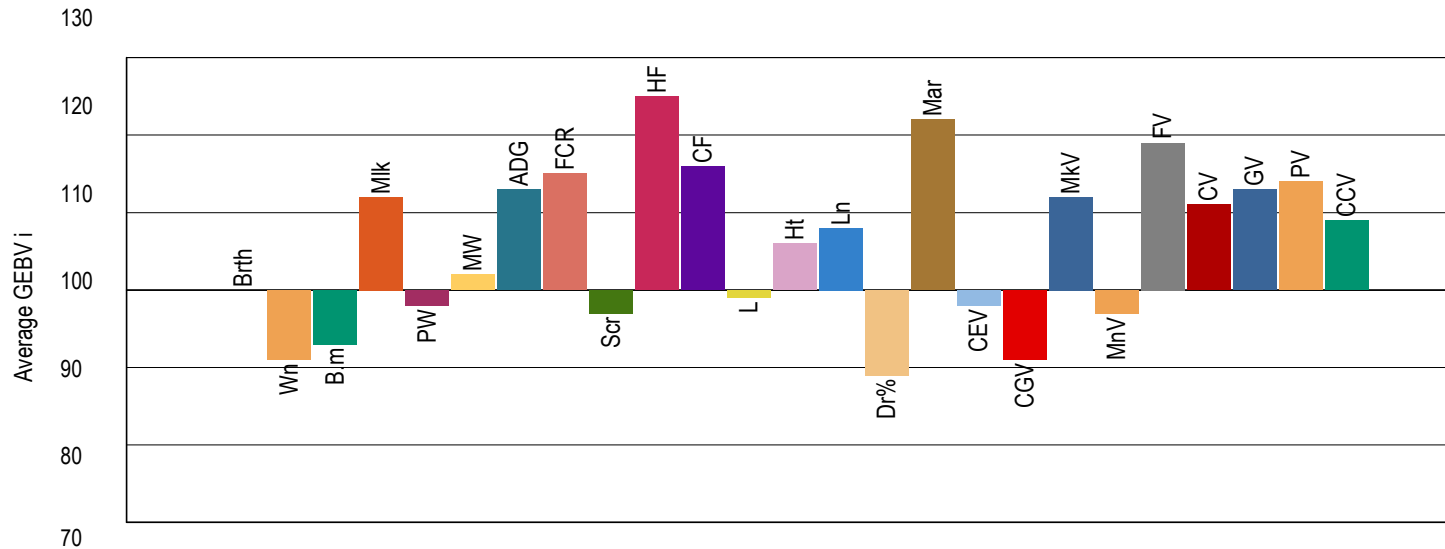


Examples

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	0.95	100	0.97
	Wean Weight	2.7	91	6.4
	Birth Mat.	0.29	93	0.05
	Milk (Wn.Mat.)	5.9	112	1.9
Postwean Growth	Postwean Wt	9.1	98	10.1
	Mature Weight	21	102	18
	ADG	113	113	87
	FCR	-30	115	-17
Fertility	Scrotal Circumf.	11.4	97	12.8
	Heifer Fertility	-18.3	125	-5.9
	Cow Fertility	-5.4	116	-2.6
	Longevity	18.2	99	18.6
Frame	Height	17	106	14
	Length	28	108	23
Carcass	Dressing%	-0.12	89	0.04
	Marbling	2.57	122	-0.12

Selection Value	Ave. Herd
Calving Ease	98
Calf Growth	91
Milk	112
Maintenance	97
Fertility	119
Cow Value	111
Growth Value	113
Production Value	114
Carcass Value	109

- 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?:

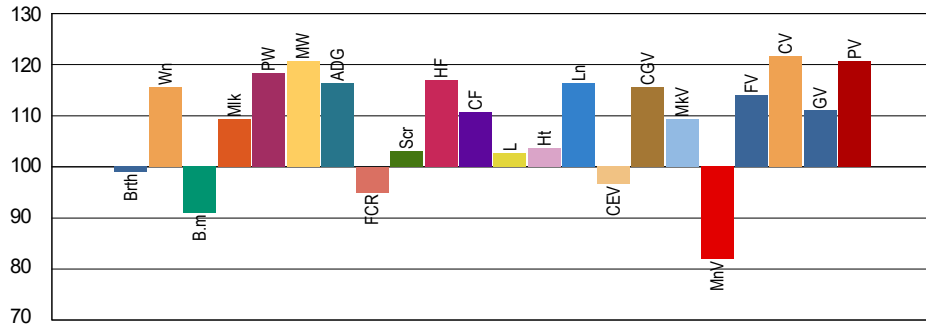
- Calving ease: Smaller calf at birth - easier calving
- Calf growth: Heavier calves at wean due to growth potential of the calf
- Milk: Cows with more milk and better mothering ability
- Maintenance: Animals with low maintenance requirements (lower mature weight).
- Fertility: Cows/daughters that calve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

Genetic Windows

Bulls on the farm

Bulls born in 2023 and earlier

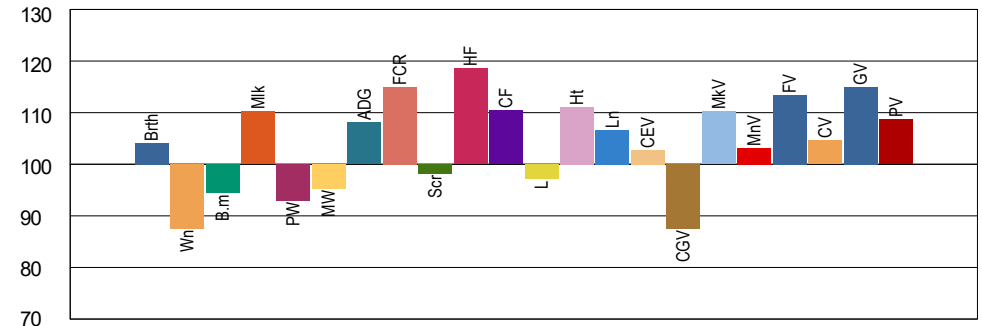
Total: 3



Cow Herd

Cows born in 2024 and earlier

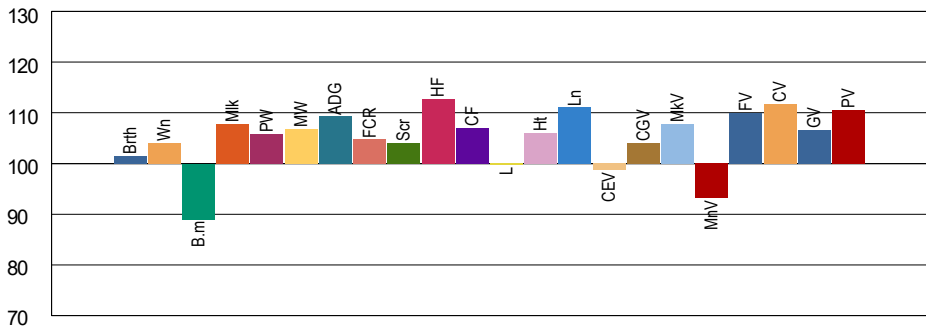
Total: 12



Sires of young animals

Sires of animals 3 years and younger

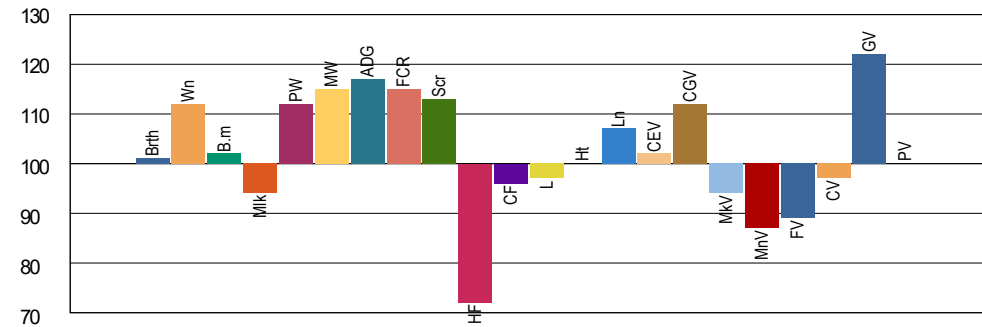
Total: 4



Cows older than 6 years

Cows born in 2020 and earlier

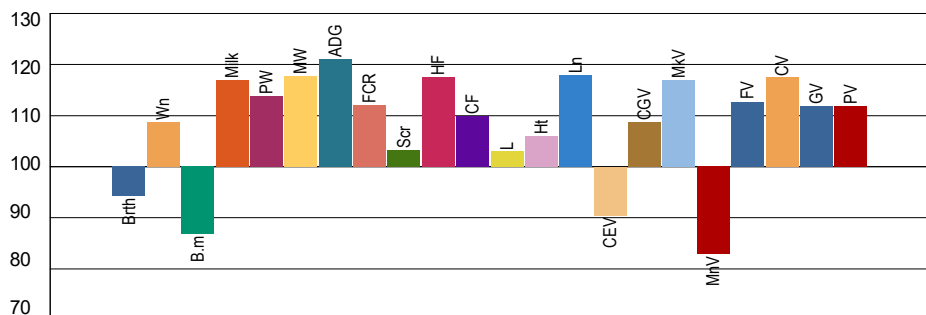
Total: 1



Bull calves

Bulls born in 2025

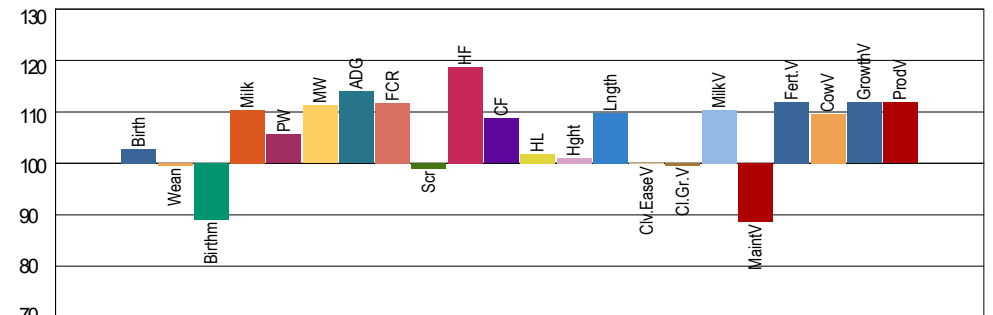
Total: 7



Heifer calves

Heifers born in 2025

Total: 11

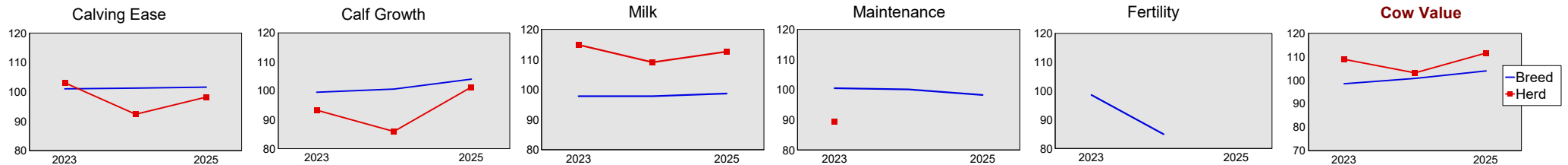


Summary of Cow Herd

			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	99	100	101	100	100	99	99	100	99	100	100	99	99	100	100	100	100	100	100	100	99
2017	1		97	72	110	107					102	72	85	110		91								
2018	1		97	77	123	89					100	77	92	123		110						104		
2019	1	★★★★	102	112	94	87	89	97	122	100	101	112	102	94	112	115	117	115	113	72	96	97	100	107
2020	14	★★★★★	99	82	112	106	125	112			100	82	97	112	89	94	113		95	131	122	97	106	105
2021	8		99	84	112	100	128				101	84	95	112	93	97	109		90	136	124	100	98	99
2022	4		97	87	114	99	125				98	87	97	114	94	99	116	130	92	131	122	99	107	108
2023	13	★★★★☆	103	86	115	102	118	108	114	110	104	86	95	115	94	96	113		96	127	114	99	116	112
2024	4	★★★★☆	98	82	105	106	120	101			100	82	93	105	84	92	98		95	123	116	96	97	92
2025	11	★★★★★	100	100	110	89	112	110	112	112	103	100	89	110	106	111	114	112	99	119	109	102	101	110
Cows in Herd Average:			99	87	111	98	117	106	116	107	101	87	94	111	96	101	111	117	97	120	115	99	104	105

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.



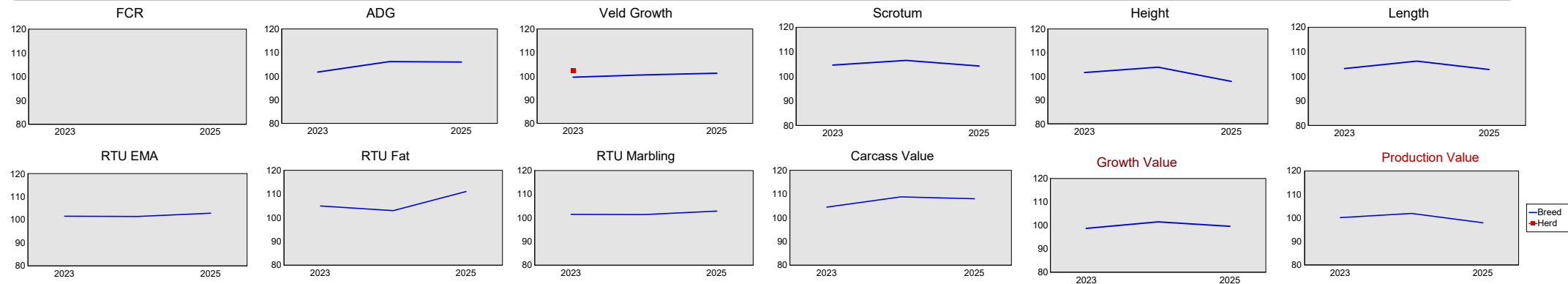
Herd

Birth Year	Calving Ease				Calf Growth			Milk			Maintenance				Fertility						Cow Value		
	Birth Weight		Mat EBV	Calv. Ease	Weaning Weight		Calf Growth	Milk (Wn.Mat.)		Milk	Postwean Weight		Mature Weight		Maintenance	Heifer Fert.		Cow Fert.		Longevity		Ferti- lity	
	Number	Dir EBV			Number	EBV		Number	EBV		Number	EBV	Number	EBV		Number	EBV	Number	EBV	Number			EBV
2023	13	0.64	0.18	103	14	3.6	93	14	6.63	115	4	17.4	89									109	
2024	19	1.42	0.34	92	17	0.5	86	17	4.78	109												103	
2025	21	0.87	0.44	98	20	6.9	101	20	5.94	113												112	

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		Ferti- lity				
	Number	Dir EBV			Number	EBV		Number	EBV	Number	EBV	Number	EBV		Number	EBV	Number	EBV	Number	EBV		Number	EBV		
2016	2171	0.78	0.07	102	1651	4.0	94	1651	0.40	95	1062	6.0	383	12	108	427	-4.7	355	-1.8	2674	10.5	95	91		
2017	2227	0.89	0.08	101	2114	4.6	96	2114	1.16	98	1376	7.6	385	14	105	484	-3.3	392	-2.2	2798	11.1	95	93		
2018	2263	0.84	0.10	102	1983	4.9	96	1983	1.03	97	1247	8.3	468	16	104	513	-4.1	443	-1.9	2893	11.5	96	94		
2019	2067	0.93	0.11	100	1915	5.2	97	1915	0.69	96	1206	8.5	497	15	103	538	-3.4	421	-2.1	2891	12.0	96	93		
2020	2001	0.98	0.08	100	1997	5.9	99	1997	0.82	96	1278	9.6	447	18	101	515	-4.2	397	-2.4	2710	12.9	97	95		
2021	2357	0.90	0.01	101	2345	5.9	99	2345	1.14	97	1597	9.1	446	19	101	497	-5.2	357	-2.8	2841	14.4	99	98		
2022	2348	0.93	0.03	101	2331	5.8	99	2331	0.96	97	1400	9.1	413	17	102	468	-5.4	99	-2.3	800	13.4	100	97		
2023	2371	0.90	0.06	101	2438	6.2	99	2438	1.25	98	1429	10.0	51	18	100	100	-4.0	3	-4.2			99	99		
2024	2359	0.89	0.02	101	2094	6.7	101	2094	1.25	98	1225	10.8			100	2	-4.8					85	101		
2025	2513	0.83	0.04	102	1670	8.1	104	1670	1.52	99	181	12.0			98								104		
2026	332	0.87	0.14	101	74	6.7	101	74	2.95	103													102		

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			
2023							4	32	102																			
2024																												
2025																												

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	-21	104	151	89	101	1148	22	98	151	13.0	100	151	14	100	151	22	100	97	0.24	100	-0.05	107	0.32	104	104	97	97	
2018	4	-20	103	147	78	95	1070	21	98	147	14.2	103	147	13	98	147	20	96	114	0.09	98	-0.36	102	-0.07	100	96	94	93	
2019				155	85	99	987	21	98	155	13.5	101	155	14	99	155	22	99	87	0.31	101	-0.55	100	0.30	103	102	96	93	
2020				242	92	102	966	22	98	259	13.7	102	260	16	103	260	24	103	185	0.40	102	-0.52	100	0.39	104	105	99	98	
2021				213	95	104	1303	23	99	212	14.5	104	213	15	102	213	25	103	192	0.52	104	-0.27	104	0.62	106	107	101	101	
2022				233	98	105	1090	25	99	233	16.1	107	233	16	104	233	25	104	199	0.40	102	-0.26	104	0.31	104	106	101	100	
2023				205	91	102	1157	25	100	216	15.0	105	209	15	102	209	25	103	216	0.45	103	-0.16	105	0.06	101	104	99	100	
2024				187	99	106	947	27	101	179	15.8	106	198	16	104	198	27	106	172	0.50	103	-0.31	103	0.05	101	109	101	102	
2025				8	99	106	152	29	101	8	14.9	104	17	13	98	17	24	103	13	0.25	100	0.27	111	0.21	103	108	100	98	
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	
ID																																			Birth	Wean
Grwth Test																																			Dght&clv (Weaned)	
AM 090038 69754760		HBH 060976 AM 060042		91	128	109	75	76	102	146	110	139	131	90	108	130	128	109	116	133	136	107	140	106	137	33	94	99	132	122	88	123	137	91	175	130
				98	98	97	97	87	91	93	91	94	94	1.81	-1.1	48	18.0	4.7	73	27.5	159	44	-53	0.36	30.1	27.6	-1.6	17.9	32	37.0	-0.64	1.13	4.39	-0.08	22	67
DKH 170414 86539384		HBH 060999 DKH 090019		109	102	94	98	130	121	88	115	93	100	111	100	101	102	94	95	106	93	108	83	70	90	130	124	102	69	86	85	105	108	86	3	3
				80	79	78	79	38	64	38	59	62	19	0.05	-0.1	17	7.2	0.0	25	13.5	72	46	-3	-1.09	8.0	-21.0	-6.8	20.0	-4	13.4	-0.81	-0.17	0.89	-0.15		16
DKH 210004 92457084		HBH 160108 DKH 180102		96	122	115	74	98	117	120	118	132	131	101	101	131	122	115	116	124	127	96	107	134	112	103	96	107	106	127	136	118	105	137	19	18
				79	83	59	57	34	58	37	54	62	50	0.87	-0.2	49	15.6	6.6	74	22.9	140	15	-23	1.47	18.5	-7.2	-1.9	22.8	18	39.8	2.87	0.78	0.53	0.55		
G 200018 90332438		AVR 110050 G 110051		105	105	117	93	102	113	128	116	132	106	106	103	105	105	117	118	110	121	107	120	95	108	111	99	99	145	135	115	137	108	119	13	14
				79	82	63	61	36	60	36	55	62	25	0.50	-0.5	21	8.3	7.4	79	15.4	129	43	-35	-0.09	16.6	-11.3	-2.5	17.9	40	45.3	1.36	2.13	0.90	0.30		
HBH 060999 63656425		CR 020004 HBH 010570		118	102	89	98	151	135	102	131	106	102	123	100	101	102	89	90	108	98	110	78	86	112	154	142	100	76	89	94	107	99	95	50	42
				95	95	93	92	80	86	87	86	89	21	-0.93	-0.2	17	7.1	-1.6	13	14.1	83	51	2	-0.46	18.3	-33.1	-9.9	18.7	0	15.3	-0.16	-0.01	-0.27	-0.03	7	17
HBH 160108 84826627		H 050089 HBH 080106		114	96	112	85	111	110	99	107	103	116	115	111	116	96	112	102	92	101	99	98	83	100	105	111	105	77	96	98	117	101	99	82	62
				96	95	92	93	81	87	88	87	91	35	-0.25	-1.5	33	4.8	5.8	41	6.1	90	23	-15	-0.58	12.7	-8.6	-4.5	21.6	1	19.9	0.08	0.73	-0.01	0.03	9	18
SW 110096 74522285		SW 060039 SW 060058		85	87	105	108	110	96	90	93	91	91	88	78	90	87	105	99	83	96	113	109	107	106	107	109	91	104	96	94	93	94	93	18	16
				80	82	60	58	33	58	20	50	22	11	1.94	2.3	6	1.0	3.6	34	1.4	78	57	-25	0.39	15.6	-9.3	-4.2	13.1	16	20.0	-0.18	-1.02	-0.83	-0.06		
SW 120057 76047935		SW 060039 SW 080007		97	91	98	132	109	104	87	100	85	77	96	85	74	91	98	103	84	98	117	113	99	114	105	109	93	107	97	83	92	89	82	17	
				81	71	63	64	33	56	22	49	20	-3	1.32	1.5	-12	2.7	1.2	43	1.5	83	67	-28	0.07	19.3	-8.5	-4.2	14.1	18	20.3	-0.98	-1.12	-1.43	-0.21	3	7
V 140035 81071086		H 050089 V 030085		88	121	112	87	108	123	127	125	140	113	89	97	113	121	112	122	124	131	112	112	69	94	101	109	93	113	129	121	115	118	123	2	6
				86	87	84	83	75	79	80	79	80	32	1.91	0.2	30	15.3	5.7	88	22.6	148	55	-28	-1.13	10.0	-6.2	-4.1	14.3	22	41.4	1.81	0.58	2.07	0.36		

Growth Tests

Animal					Weight		Conformation				Growth & Efficiency				Carcass				
Test Code	Sex	Test number	Sire ID	Cow Value	Wean dir	End-wt	Length	Height	Length/Height	Scrotum	Intake	ADG	FCR	Growth Value	EMA Eye muscle Area	Fat	Marbling	Dress %	Carcass Value
Test Station		ID	Dam ID																
201805 D11 M		0615363TUL																	
DONKERHOEK		DKH 170414	HBH 060999	121	102	89	86	69	144	90	94	93	83	88	85	105	108	86	93
BOERDERY TRUST		86539384	DKH 090019	64	79	22	13	-4	1.21	8.0	0.49	72	-3	38	-0.81	-0.17	0.89	-0.15	62
						66	61	69	65	71	9	60	9		58	66	59	62	
202201 D11 M		0615363TUL																	
DONKERHOEK		DKH 210004	HBH 160108	117	122	127	127	106	136	112	73	127	107	120	136	118	105	137	132
BOERDERY TRUST		92457084	DKH 180102	58	83	48	40	18	1.20	18.5	0.68	140	-23	37	2.87	0.78	0.53	0.55	62
						65	60	68	64	71	9	58	9		59	66	59	62	

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	Index	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 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 %
Animal no	%	Parentage	EBV Acc																																		
DKH 170414	4	HBH 060999	DKH 090019	109	102	94	98	130	121	99	88	115	93	100	111	100	101	102	94	95	106	93	108	83	70	90	130	124	102	69	86	85	105	108	86		
86539384				80	79	78	79	38	64	79	38	59	62	19	0.05	-0.1	17	7.2	0.0	25	13.5	72	46	-3	-1.1	8.0	-21.0	-6.8	20.0	-4	13	-0.81	-0.17	0.89	-0.15		
DKH 210004	6	HBH 160108	DKH 180102	96	122	115	74	98	117	128	120	118	132	131	101	101	131	122	115	116	124	127	96	107	134	112	103	96	107	106	127	136	118	105	137		
92457084				79	83	59	57	34	58	75	37	54	62	50	0.87	-0.2	49	15.6	6.6	74	22.9	140	15	-23	1.5	18.5	-7.2	-1.9	22.8	18	40	2.87	0.78	0.53	0.55		
PGE 230003	2	G 200018	PGE 200007	85	123	119	74	114	127	129	125	129	137	131	85	105	130	123	119	120	125	129	99		91	107	118	112	99	136	136	108	116	120	111		
98860224				48	63	46	45	20	42	55	20	38	34	50	2.20	-0.7	48	15.8	7.8	84	23.0	145	25		-0.3	16.3	-14.6	-4.7	17.9	34	46	0.87	0.62	2.35	0.19		
PGE 240012	2	SW 110096	PGE 200012	77	101	117	92	118	113	100			109	107	80	83	107	101	117	114	103	112	105		96	104	118	117	95	111	111	93	94	113	93		
99509689				62	63	45	45	19	43	57		19	27	2.61	1.7	23	6.8	7.2	69	45	63	45	51	11.7	111	37	0.0	14.7	-14.6	-5.5	15.6	20	30	-0.27	-0.95	1.45	-0.06
PGE 250001	4	DKH 210004	PGE 200012	82	117	122	78	112	123	122	118	123	128	125	87	93	124	117	122	122	122	127	97	113	109	106	116	110	103	111	125	112	107	119	114		
6020438674				62	64	45	44	20	43	58	20	38	35	44	2.06	0.6	42	13.4	8.9	87	21.7	140	18	-29	0.5	15.8	-13.8	-4.4	20.4	21	39	1.17	-0.04	2.13	0.22		
PGE 250006	4	DKH 210004	PGE 200007	85	115	122	74	112	121	121	117	122	127	129	89	98	129	115	122	118	119	125	97	113	109	106	116	110	103	110	123	112	107	119	113		
6020438773				61	64	45	44	20	43	57	20	38	35	48	1.92	0.0	48	12.6	8.9	79	20.4	138	19	-29	0.5	15.5	-14.0	-4.3	20.4	20	37	1.11	-0.04	2.12	0.21		
PGE 250018	4	DKH 210004	PGE 210004	91	110	117	83	113	119	113	115	119	124	118	94	95	118	110	117	116	115	122	99	112	109	104	117	110	103	107	119	109	107	118	110		
6020438740				61	63	43	43	20	42	56	20	38	35	37	1.44	0.3	35	10.5	7.4	73	43	63	43	50	18.0	131	24	-28	0.5	14.5	-14.6	-4.3	20.6	18	35	0.94	-0.03
PGE 250019	4	DKH 210004	PGE 210007	93	103	112	88	113	113	104	111	113	118	111	96	95	111	103	112	109	109	116	102	111	108	100	119	110	103	101	111	105	107	118	106		
6020438732				61	63	43	43	20	42	56	20	38	35	31	1.31	0.4	28	7.8	5.9	58	43	63	43	50	14.7	120	31	-27	0.4	13.0	-15.6	-4.3	20.5	15	30	0.61	-0.02
PGE 250020	4	DKH 210004	PGE 210006	103	99	112	90	113	112	102	110	111	117	109	106	99	109	99	112	106	104	115	103	111	108	100	120	110	103	100	110	104	107	118	105		
6020438724				61	63	43	43	20	42	56	20	38	35	28	0.47	0.0	25	5.9	5.6	51	43	63	43	50	12.3	118	33	-27	0.4	12.7	-15.8	-4.3	20.5	14	29	0.53	-0.02
PGE 250026	4	DKH 210004	PGE 210003	89	109	120	82	113	119	113	115	119	124	119	94	94	118	109	120	117	115	122	99	112	109	104	117	110	103	107	119	109	107	118	110		
6020438757				61	63	43	43	20	42	56	20	38	35	38	1.50	0.5	36	10.2	8.3	77	43	63	43	50	17.9	131	24	-28	0.5	14.5	-14.6	-4.3	20.6	18	35	0.92	-0.03
PGE 250027	4	DKH 210004	PGE 200009	90	108	113	85	113	115	107	114	115	122	115	94	93	115	108	113	111	115	108	113	111	113	121	100	112	109	103	118	110	103	108	107	118	109
6020438765				62	64	45	44	20	43	58	20	38	35	35	1.45	0.6	32	9.6	5.9	62	44	64	45	51	16.9	129	25	-28	0.4	14.3	-14.8	-4.3	20.6	17	34	0.84	-0.03

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 %	
PGE 170001 96018791					97 30	72 27	110 40	107 59								102 0.84 29	85 1.6 40	91 6 59	72 -5.3 27	110 5.0 40	91 14 42																
PGE 180017 96018668					97 30	77 27	123 40	89 59								100 1.00 29	98 0.1 40	110 26 59	77 -3.2 27	123 9.3 40	100 36 42								104 21.2 33								
V 190189 98229404	7	AM 090038 V 100012			102 71	112 60	94 60	87 61	89 42	97 54	107 62	122 36	100 50	120 52	115 34 48	101 0.87 73	108 -1.1 65	115 32 61	112 11.5 60	94 0.1 60	98 32 60	112 16.3 60	117 121 52	97 20 38	115 -30 17	93 -0.2 56	113 18.9 56	72 8.2 50	96 -1.9 34	97 16.8 60	100 14 55	107 27 53	94 -0.16 50	106 -0.11 53	129 3.37 50	96 -0.02 52	
PGE 200001 96020136		DKH 170414			115 57	74 54	91 65	92 67	128 19	94 45	62 58			100 31	106 26 22	114 -0.17 57	113 -1.6 61	108 25 67	74 -4.6 54	91 -0.9 65	68 -39 62	80 -0.3 32	107 101 30	108 46 26		82 -0.6 38	89 7.7 36	136 -24.0 23	124 -6.8 15	100 18.7 46	96 12 35	97 20 31	71 -1.87 29	96 -0.82 33	131 3.62 29	72 -0.35 31	
PGE 200002 96020169		DKH 170414			87 57	89 54	119 65	114 67	127 19	119 45	97 58			108 31	86 6 22	92 1.67 57	74 2.8 61	85 -1 67	89 1.8 54	119 8.0 65	119 80 62	97 8.8 35	115 116 30	104 36 26		83 -0.6 38	94 9.8 36	133 -22.6 23	124 -6.8 15	100 18.3 46	104 17 35	107 27 31	77 -1.41 29	96 -0.83 33	131 3.66 29	78 -0.27 31	
PGE 200005 96020185		SW 120057			113 57	73 52	109 63	124 66	117 16					101 10	82 2 28	107 0.41 58	112 -1.6 60	79 -6 66	73 -4.7 52	109 4.7 63	96 27 60	73 -3.9 36	115 116 17	110 50 12		97 0.0 21	104 14.7 20	122 -16.8 21	116 -5.5 12	95 15.6 48	121 26 19	109 28 17	74 -1.67 9	89 -1.30 10	122 2.48 9	73 -0.33 10	
PGE 200006 96020128		DKH 170414			103 53	84 50	111 60	106 67	128 22	113 44	89 54			104 31	92 12 22	103 0.70 53	96 0.3 58	91 6 67	84 -0.2 50	111 5.6 60	103 42 59	94 7.0 35	111 109 30	106 41 26		82 -0.6 38	91 8.8 36	135 -23.3 23	124 -6.8 20	97 16.6 46	101 14 35	102 24 31	74 -1.68 29	96 -0.82 33	131 3.64 29	74 -0.32 31	
PGE 200007 96020078		DKH 170414			90 53	93 54	131 65	81 67	127 19	120 45	100 57			111 31	119 38 22	92 1.64 53	99 -0.1 58	119 36 67	93 3.4 54	131 11.6 65	114 70 62	101 10.8 35	117 121 30	103 33 26		83 -0.6 38	95 10.5 36	133 -22.1 23	124 -6.8 15	99 18.0 45	107 18 35	110 29 31	79 -1.26 29	96 -0.84 33	131 3.67 29	80 -0.24 31	
PGE 200008 96020144		DKH 170414			104 56	80 54	103 65	99 67	128 19	104 45	76 58			100 31	99 19 22	105 0.55 56	99 -0.1 60	99 15 67	80 -2.0 54	103 2.8 65	87 5 62	88 3.6 32	110 106 30	107 43 26		82 -0.6 38	91 8.5 36	135 -23.5 23	124 -6.8 15	101 19.1 45	99 14 35	101 23 31	71 -1.87 29	96 -0.82 33	131 3.62 29	72 -0.35 31	
PGE 200009 96020151		DKH 170414			93 56	85 54	111 65	106 67	128 19	111 45	86 58			107 31	92 12 22	97 1.25 56	83 1.7 60	91 7 67	85 0.2 54	111 5.4 65	103 43 62	94 7.0 32	113 113 30	105 38 26		83 -0.6 38	93 9.4 36	134 -22.9 23	124 -6.8 15	100 18.5 45	103 16 35	105 26 31	76 -1.50 29	96 -0.83 33	131 3.65 29	77 -0.28 31	
PGE 200012 96020086		DKH 170414			83 57	95 54	131 65	90 67	127 19	123 45	102 58			113 31	107 27 22	87 2.06 57	85 1.5 61	107 23 67	95 4.2 54	131 11.8 65	123 89 62	105 12.6 32	119 125 30	102 30 26		84 -0.5 38	96 11.1 36	132 -21.8 23	124 -6.8 15	99 18.0 45	109 19 35	113 31 31	81 -1.15 29	96 -0.84 33	131 3.68 29	81 -0.22 31	
PGE 200014 96020102		DKH 170414			111 56	78 50	102 60	113 67	128 19					97 31	86 6 22	110 0.15 56	102 -0.4 60	86 1 67	78 -2.6 50	102 2.5 60	90 12 59	85 2.3 32	107 100 30	108 47 26		82 -0.6 38	89 7.7 36	136 -24.1 23	124 -6.8 15	100 18.5 45	96 12 35	97 20 31	69 -2.04 29	96 -0.81 33	131 3.61 29	69 -0.39 31	

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 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 Thicken	Scrotum	Heifer Fert	Cow Fert.	Longevity	Height	Length	EMA	Fat	Marbling	Dress %
			Sire ID Dam ID																																
PGE 200016 96020110		DKH 170414		111 56	79 54	103 65	115 67	128 19	109 45	84 58			101 31	86 6	110 0.17	102 -0.4	85 -1	79 -2.4	103 3.0	93 19	86 2.7	110 108	106 42		82 -0.6	91 8.7	135 -23.4	124 -6.8	100 18.5	100 14	102 24	72 -1.82	96 -0.82	131 3.63	72 -0.35
PGE 200017 96020094		DKH 170414		107 57	81 50	108 60	107 67	128 19					102 31	91 11	106 0.46	100 -0.2	91 6	81 -1.3	108 4.4	97 29	89 4.2	111 108	106 41		82 -0.6	91 8.7	135 -23.3	124 -6.8	97 16.7	100 14	102 24	72 -1.79	96 -0.82	131 3.63	73 -0.34
PGE 200025 96020193		SW 120057		90 53	77 48	106 57	116 62	118 16					99 10	86 6	92 1.66	81 2.0	84 -1	77 -3.3	106 3.9	94 22	79 -0.8	112 110	111 54		96 0.0	102 13.9	123 -17.4	116 -5.5	95 15.3	118 24	105 26	72 -1.79	89 -1.30	121 2.47	72 -0.35
PGE 200040 96019492				89 47	79 43	126 60	86 63							94 1.50	90 0.9		113 30	79 -2.1	126 10.1	103 43									83 7.7						
PGE 200060 96020177		SW 120057		87 57	83 48	121 57	133 62	117 16					110 10	74 -5	88 1.99	72 3.0	71 -16	83 -0.8	121 8.6	124 93	85 2.3	121 128	106 42		98 0.0	108 16.4	120 -15.6	116 -5.5	90 12.0	127 29	117 33	80 -1.22	89 -1.32	122 2.52	80 -0.24
PGE 210001 96019823		DKH 170414		96 52	86 50	115 60	95 64	128 19					99 31	103 23	98 1.13	95 0.4	103 19	86 0.6	115 6.6	102 40	94 7.2	109 104	107 44		82 -0.6	90 8.1	136 -23.8	124 -6.8	100 18.5	98 13	99 22	70 -1.92	96 -0.81	131 3.62	71 -0.37
PGE 210002 96019815		DKH 170414		115 52	76 50	97 60	101 64	128 19					95 31	97 16	113 -0.08	110 -1.4	97 13	76 -3.6	97 1.1	79 -13	83 1.0	104 94	110 51		81 -0.7	87 6.8	138 -24.7	124 -6.8	99 18.2	93 10	92 18	67 -2.13	96 -0.81	131 3.60	68 -0.40
PGE 210003 96019849		DKH 170414		87 52	92 50	126 60	94 64	127 19					109 31	104 23	91 1.74	87 1.3	103 19	92 3.0	126 10.1	117 76	101 10.8	114 114	105 37		83 -0.6	93 9.6	134 -22.7	124 -6.8	100 18.3	103 16	106 26	77 -1.40	96 -0.83	131 3.66	78 -0.27
PGE 210004 96019856		DKH 170414		92 52	89 50	121 60	98 64	128 19					107 31	99 19	95 1.43	89 1.1	98 14	89 1.9	121 8.6	113 66	98 9.1	113 112	105 39		83 -0.6	92 9.3	134 -23.0	124 -6.8	100 18.3	102 15	104 25	76 -1.47	96 -0.83	131 3.65	77 -0.28
PGE 210006 96019864		DKH 170414		103 52	82 50	108 60	106 64	128 19					98 31	93 12	103 0.70	95 0.3	92 7	82 -1.0	108 4.5	97 29	90 4.9	106 99	109 48		81 -0.6	88 7.4	137 -24.3	124 -6.8	99 18.2	96 12	96 20	69 -1.99	96 -0.81	131 3.62	70 -0.38
PGE 210007 96019807		DKH 170414		103 52	82 50	108 60	105 64	128 19					98 31	93 13	103 0.69	96 0.3	92 8	82 -1.0	108 4.4	97 29	90 4.9	106 99	109 48		81 -0.6	88 7.4	137 -24.3	124 -6.8	99 18.2	96 12	95 20	69 -1.99	96 -0.81	131 3.61	70 -0.38
PGE 210705 96019831		DKH 170414		100 40	84 40	112 39	100 39	128 19					103 31	98 17	101 0.88	96 0.3	97 13	84 -0.2	112 5.6	100 35	92 6.0	111 109	106 41		82 -0.6	91 8.8	135 -23.3	124 -6.8	100 18.3	101 14	102 24	73 -1.69	96 -0.82	131 3.64	74 -0.32

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 Thckn	Scrotum	Heifer Fert	Cow Fert.	Longevity	Height	Length	EMA	Fat	Marbling	Dress %
PGE 220002 6020229263		DKH 170414		100 40	84 40	112 39	100 39	128 19					103 31	98 17 22	101 0.88 41	96 0.3 39	97 13 39	84 -0.2 40	112 5.6 39	100 35 39	92 6.0 32	111 109 30	106 41 26		82 -0.6 38	91 8.8 36	135 -23.3 23	124 -6.8 15	100 18.3 35	101 14 35	102 24 31	73 -1.69 29	96 -0.82 33	131 3.64 29	74 -0.32 31
PGE 220003 6020229255		DKH 170414		100 40	84 40	112 39	100 39	128 19					103 31	98 17 22	101 0.88 41	96 0.3 39	97 13 39	84 -0.2 40	112 5.6 39	100 35 39	92 6.0 32	111 109 30	106 41 26		82 -0.6 38	91 8.8 36	135 -23.3 23	124 -6.8 15	100 18.3 35	101 14 35	102 24 31	73 -1.69 29	96 -0.82 33	131 3.64 29	74 -0.32 31
PGE 220004 6020229271		DKH 170414		100 40	84 40	112 39	100 39	128 19					103 31	98 17 22	101 0.88 41	96 0.3 39	97 13 39	84 -0.2 40	112 5.6 39	100 35 39	92 6.0 32	111 109 30	106 41 26		82 -0.6 38	91 8.8 36	135 -23.3 23	124 -6.8 15	100 18.3 35	101 14 35	102 24 31	73 -1.69 29	96 -0.82 33	131 3.64 29	74 -0.32 31
PGE 220020 96019237		V 140035		89 37	94 38	121 32	94 31	117 24					127 24	104 24 26	90 1.81 38	94 0.5 33	103 20 31	94 3.8 38	121 8.5 32	114 68 34	101 10.5 32	130 146 26	108 46 24	130 -43 8	82 -0.6 27	93 9.8 27	120 -15.9 27	116 -5.4 20	95 15.5 38	123 27 27	124 38 26	91 -0.38 23	101 -0.45 24	136 4.23 23	92 -0.07 24
PGE 230002 6020228968		DKH 170414		100 40	84 40	112 39	100 39	128 19					103 31	98 17 22	101 0.88 41	96 0.3 39	97 13 39	84 -0.2 40	112 5.6 39	100 35 39	92 6.0 32	111 109 30	106 41 26		82 -0.6 38	91 8.8 36	135 -23.3 23	124 -6.8 15	100 18.3 35	101 14 35	102 24 31	73 -1.69 29	96 -0.82 33	131 3.64 29	74 -0.32 31
PGE 230004 98860554		G 200018 PGE 200040		100 59	92 62	121 44	90 44	101 18	101 42	98 56			114 30	108 27 29	103 0.71 64	98 0.1 49	108 25 44	92 2.9 62	121 8.5 44	110 59 50	102 11.1 34	112 110 30	107 44 16		98 0.0 37	98 12.0 36	113 -12.6 22	97 -2.1 14	92 13.3 38	128 30 34	118 34 31	102 0.37 29	111 0.25 32	101 0.05 29	103 0.08 30
PGE 230008 98860604	2	G 200018 PGE 200008		107 61	87 63	111 46	100 45	116 20	107 43	92 57	113 20	107 38	110 34	97 17 31	108 0.31 66	100 -0.1 51	97 13 45	87 1.1 63	111 5.5 46	102 41 51	94 7.2 38	111 110 34	109 48 20		88 -0.4 42	97 11.4 40	125 -18.3 25	111 -4.6 16	100 18.3 40	118 25 38	113 31 34	88 -0.61 32	116 0.67 36	120 2.24 33	90 -0.09 34
PGE 230009 98860638	2	G 200018 PGE 200016		121 61	76 63	112 46	120 45	116 20	106 43	91 57	111 20	107 38	106 34	83 3 31	121 -0.80 66	103 -0.5 51	82 -3 45	76 -3.5 63	112 5.9 46	101 39 51	84 1.7 38	109 105 34	110 52 20		87 -0.4 42	95 10.7 40	126 -18.9 25	111 -4.6 16	99 18.1 41	116 23 38	109 29 34	85 -0.83 32	117 0.68 36	119 2.22 33	87 -0.14 34
PGE 230010 98860596	2	G 200018 PGE 200009		99 61	87 63	117 46	107 45	116 20	109 43	95 57	113 20	110 38	110 34	91 11 31	102 0.85 66	88 1.2 51	90 5 45	87 1.2 63	117 7.2 46	111 63 51	96 8.0 38	112 111 34	109 47 20		88 -0.4 42	97 11.6 40	125 -18.2 25	111 -4.6 16	99 18.1 41	119 25 38	114 31 34	88 -0.60 32	116 0.67 36	120 2.24 33	91 -0.09 34
PGE 230011 98860612	2	G 200018 PGE 200012		92 62	101 63	124 46	92 45	114 20	118 43	110 57	121 20	120 38	123 34	107 26 31	94 1.45 67	93 0.6 51	106 22 45	101 6.9 63	124 9.6 46	122 87 51	109 14.7 38	123 132 34	103 33 20		90 -0.3 42	104 14.5 40	120 -16.1 25	112 -4.6 16	99 17.9 40	129 31 38	127 40 34	98 0.11 32	116 0.64 36	120 2.29 33	100 0.04 34
PGE 230024 98860570	2	G 200018 PGE 200017		115 62	81 62	114 44	110 45	115 20	108 43	93 56	113 20	108 38	111 34	88 8 31	115 -0.31 67	101 -0.3 51	88 3 45	81 -1.3 62	114 6.5 44	105 48 50	89 4.4 38	112 111 34	109 47 20		88 -0.4 42	97 11.6 40	125 -18.1 25	111 -4.6 16	98 17.4 41	119 25 38	114 31 34	89 -0.57 32	116 0.67 36	120 2.24 33	91 -0.09 34
PGE 230027 98860588	2	G 200018 PGE 200014		107 61	87 62	111 44	107 45	116 20	108 42	95 56	112 20	109 38	109 34	92 12 31	107 0.41 66	99 -0.1 51	91 6 45	87 1.2 62	111 5.5 44	105 48 50	94 7.2 38	110 107 34	110 50 20		88 -0.4 42	96 11.1 40	125 -18.4 25	111 -4.6 16	99 18.1 41	117 24 38	111 30 34	88 -0.64 32	117 0.67 36	119 2.23 33	90 -0.10 34

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 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 -brth	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 %
			Sire ID Dam ID																																
PGE 230030 6020228984	G	200018		98 40	85 41	123 32	98 30	114 18					123 30	101 20 29	98 1.11 42	97 0.1 34	99 15 30	85 0.3 41	123 9.3 32	112 63 34	94 6.9 34	125 137 30	105 39 16		95 -0.1 37	101 13.1 36	125 -18.5 22	111 -4.6 14	98 17.3 32	139 36 34	127 40 31	88 -0.60 29	112 0.33 32	131 3.64 29	90 -0.09 30
PGE 230031 6020229008	DKH	170414		100 40	84 40	112 39	100 39	128 19					103 31	98 17 22	101 0.88 41	96 0.3 39	97 13 39	84 -0.2 40	112 5.6 39	100 35 39	92 6.0 32	111 109 30	106 41 26		82 -0.6 38	91 8.8 36	135 -23.3 23	124 -6.8 15	100 18.3 35	101 14 35	102 24 31	73 -1.69 29	96 -0.82 33	131 3.64 29	74 -0.32 31
PGE 230033 6020228992	DKH	170414		100 40	84 40	112 39	100 39	128 19					103 31	98 17 22	101 0.88 41	96 0.3 39	97 13 39	84 -0.2 40	112 5.6 39	100 35 39	92 6.0 32	111 109 30	106 41 26		82 -0.6 38	91 8.8 36	135 -23.3 23	124 -6.8 15	100 18.3 35	101 14 35	102 24 31	73 -1.69 29	96 -0.82 33	131 3.64 29	74 -0.32 31
PGE 230034 6020228950	DKH	170414		100 40	84 40	112 39	100 39	128 19					103 31	98 17 22	101 0.88 41	96 0.3 39	97 13 39	84 -0.2 40	112 5.6 39	100 35 39	92 6.0 32	111 109 30	106 41 26		82 -0.6 38	91 8.8 36	135 -23.3 23	124 -6.8 15	100 18.3 35	101 14 35	102 24 31	73 -1.69 29	96 -0.82 33	131 3.64 29	74 -0.32 31
PGE 240001 99509093	2	SW 110096 PGE 210002		103 61	77 63	102 43	108 43	120 19	97 42	74 56			85 19	90 10 30	104 0.67 66	94 0.5 49	90 5 43	77 -3.3 63	102 2.7 43	87 6 50	79 -1.0 24	94 75 22	114 61 18		93 -0.2 27	93 9.7 26	124 -18.1 24	116 -5.5 14	95 15.5 40	93 10 25	87 14 22	75 -1.61 18	95 -0.90 20	112 1.35 18	74 -0.32 19
PGE 240002 99509614	2	SW 110096 PGE 210007		103 61	80 63	106 43	109 43	120 19	102 42	81 56			84 19	89 9 30	105 0.57 66	91 0.9 49	89 4 43	80 -2.0 63	106 3.9 43	94 23 50	82 0.6 40	94 75 22	114 62 18		93 -0.2 27	93 9.6 26	125 -18.2 24	116 -5.5 14	95 15.5 40	93 10 25	87 14 22	74 -1.67 18	95 -0.90 20	112 1.35 18	74 -0.33 19
PGE 240003 99509622	2	SW 110096 PGE 210006		92 61	85 63	107 43	106 43	120 19	103 42	83 56			86 19	92 12 30	95 1.43 66	86 1.4 49	91 7 43	85 0.0 63	107 4.1 43	98 32 50	87 3.2 40	95 77 22	114 60 18		93 -0.2 27	94 10.0 26	124 -18.0 24	116 -5.5 14	95 15.5 40	94 11 25	88 15 22	75 -1.57 18	95 -0.90 20	112 1.36 18	75 -0.31 19
PGE 240019 99509713	2	SW 110096 PGE 200008		92 62	85 63	104 45	102 45	118 19	100 43	80 57			102 19	96 16 30	95 1.42 67	89 1.1 51	96 11 45	85 0.2 63	104 3.2 45	94 21 51	87 3.3 40	108 102 22	107 43 18		95 -0.1 27	101 13.4 26	119 -15.3 24	117 -5.5 14	98 17.6 41	107 18 25	105 26 22	87 -0.66 18	94 -0.93 20	113 1.43 18	87 -0.14 19
PGE 250003 6020438443	DKH 210004 PGE 200040			84 61	107 62	120 43	77 42	98 17	104 41	109 56			117 31	124 43 21	89 1.89 67	93 0.6 49	125 43 42	107 9.2 62	120 8.3 43	113 66 49	115 18.2 32	117 121 29	100 27 17	115 -30 5	118 0.8 37	102 13.6 35	108 -10.0 21	96 -1.9 13	96 16.3 35	111 21 34	117 33 30	114 1.31 29	101 -0.43 33	100 -0.12 30	115 0.24 31
PGE 250004 6020438468	4	DKH 210004 PGE 210001		93 61	108 63	114 43	82 43	113 20	116 42	109 56	113 20	116 38	118 35	119 38	97 1.26 24	98 0.1 67	119 37 43	108 9.6 63	114 6.4 43	111 61 50	113 16.7 35	120 126 33	100 27 21	112 -28 5	108 0.4 42	102 13.9 39	118 -15.0 24	110 -4.3 16	104 21.1 38	104 17 38	116 33 34	105 0.60 33	107 -0.02 37	118 2.09 33	106 0.12 35
PGE 250005 6020438450	DKH 170414 PGE 170001			102 59	82 59	103 44	107 49	115 19	99 42	81 55			89 31	90 9 22	106 0.47 64	89 1.1 51	91 6 49	82 -0.9 59	103 3.0 44	93 20 51	93 6.3 32	93 74 30	110 52 26		85 -0.5 38	86 6.6 36	125 -18.4 23	110 -4.3 15	91 13.2 37	86 6 35	87 14 31	83 -1.02 29	95 -0.89 33	101 0.02 29	82 -0.21 31
PGE 250011 6020438492	4	DKH 210004 PGE 200001		109 62	95 64	103 45	84 44	113 20	104 43	92 58	109 20	104 38	111 35	117 36	111 0.01 24	108 -1.0 68	118 35 44	95 4.3 64	103 2.9 45	92 16 51	99 9.8 35	114 116 33	103 34 21	111 -27 5	107 0.4 42	99 12.4 40	120 -16.0 24	110 -4.3 16	104 21.2 39	99 14 38	109 28 34	100 0.24 33	107 -0.01 37	118 2.06 33	101 0.05 35

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 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 Thickn	Scrotum	Heifer Fert	Cow Fert.	Longevity	Height	Length	EMA	Fat	Marbling	Dress %
PGE 250013 6020438476	4	DKH 210004 PGE 200002			93 62	99 64	119 45	96 44	113 20	114 43	105 58	112 20	114 38	114 35	102 22	98 1.14	86 1.4	101 17	99 6.1	119 7.9	117 76	106 13.1	118 123	101 29	111 -27	108 0.4	101 13.4	119 -15.5	110 -4.3	104 21.0	103 16	113 31	101 0.36	107 -0.01	118 2.07	102 0.07
PGE 250014 6020438690	4	DKH 210004 PGE 200008			103 62	97 64	109 45	88 44	113 20	108 43	97 58	110 20	108 38	112 35	112 31	107 0.41	100 -0.2	112 29	97 5.0	109 4.9	101 39	102 11.2	116 119	102 32	111 -27	108 0.4	100 12.8	120 -15.8	110 -4.3	104 21.3	101 14	111 29	100 0.26	107 -0.01	118 2.06	101 0.05
PGE 250022 6020438716	4	DKH 210004 PGE 200014			110 62	96 63	108 43	93 44	113 20	110 43	99 57	110 20	109 38	112 35	106 26	112 -0.06	103 -0.6	106 23	96 4.6	108 4.5	102 40	100 10.4	115 117	103 33	111 -27	107 0.4	99 12.6	120 -15.9	110 -4.3	104 21.1	100 14	109 29	100 0.26	107 -0.01	118 2.06	101 0.05
PGE 250025 6020438518	4	DKH 210004 PGE 200006			105 61	101 63	113 43	89 44	113 20	114 43	105 57	112 20	113 38	115 35	111 30	107 0.36	101 -0.3	110 27	101 6.6	113 6.0	108 55	107 13.6	118 123	101 29	111 -27	108 0.4	101 13.4	119 -15.4	110 -4.3	103 20.3	103 16	113 31	102 0.44	107 -0.01	118 2.07	103 0.09
PGE 250033 6020438526	4	DKH 210004 PGE 200016			104 62	106 64	107 45	86 44	113 20	114 43	106 58	114 20	114 38	118 35	116 35	105 0.51	105 -0.7	115 32	106 8.7	107 4.2	105 47	109 15.0	121 128	100 26	112 -28	108 0.4	103 14.1	118 -14.8	110 -4.3	104 21.1	105 17	117 33	105 0.63	107 -0.02	118 2.09	106 0.12
PGE 250051 6020438682		DKH 170414 PGE 180017			103 59	92 59	108 44	91 49	114 19	105 42	92 55			97 31	107 26	105 0.57	100 -0.2	108 25	92 3.3	108 4.4	98 31	102 10.9	100 87	107 42		86 -0.4	91 8.5	122 -16.9	110 -4.3	104 21.2	93 10	97 20	89 -0.53	95 -0.91	101 0.06	89 -0.11
PGE 250052 6020438708	4	DKH 210004 PGE 200017			92 62	112 63	110 43	82 44	113 20	117 43	112 57	115 20	117 38	121 35	120 39	94 1.48	100 -0.2	119 37	112 11.3	110 5.2	110 60	116 18.3	122 131	99 24	112 -28	109 0.5	104 14.5	117 -14.5	110 -4.3	103 20.4	107 18	119 35	107 0.75	107 -0.03	118 2.10	108 0.14

Selection List on Cow Value
Bulls 2 years and older

ID		Name	Sire ID	Dam ID	% Inbreeding	Horned / Polled	Myostatin	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	DKH 170414	DKH170414	HBH 060999	DKH 090019	4.4			10980	10279	9478	9879	13038	12164	9979	8838	11559	9362
2	PGE 230003	PGE 230003	G 200018	PGE 200007	2.0			8548	12363	11946	7445	11420	12742	12955	12520	12938	13734
								★★★★									
1	DKH 210004	DKH 210004	HBH 160108	DKH 180102	6.1			9679	12283	11559	7457	9834	11758	12875	12037	11854	13262
2	PGE 240012	PGE 240012	SW 110096	PGE 200012	1.9			7762	10163	11745	9245	11819	11343	10057			10919

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	PGE 200007	PGE 200007	DKH 170414	0.0				9053	9354	13165	8167	12719	12045	10057			11131
2	PGE 200012	PGE 200012	DKH 170414	0.0				8357	9554	13165	9067	12719	12345	10258			11331
								★★★★★									
1	PGE 200002	PGE 200002	DKH 170414	0.0				8757	8954	11965	11467	12719	11945	9758			10831
2	PGE 200006	PGE 200006	DKH 170414	0.0				10353	8450	11160	10667	12822	11344	8954			10431
3	PGE 200009	PGE 200009	DKH 170414	0.0				9356	8554	11165	10667	12819	11145	8658			10731
4	PGE 230011	PGE 230011	G 200018PGE 200012	2.0				9262	10163	12446	9245	11420	11843	11057	12120	12038	12334
								★★★★★									
1	PGE 200008	PGE 200008	DKH 170414	0.0				10456	8054	10365	9967	12819	10445	7658			10031
2	PGE 200016	PGE 200016	DKH 170414	0.0				11156	7954	10365	11567	12819	10945	8458			10131
3	PGE 230004	PGE 230004	G 200018PGE 200040	0.0				10059	9262	12144	9044	10118	10142	9856			11430
4	PGE 230008	PGE 230008	G 200018PGE 200008	2.0				10761	8763	11146	10045	11620	10743	9257	11320	10738	11034
5	PGE 230009	PGE 230009	G 200018PGE 200016	2.0				12161	7663	11246	12045	11620	10643	9157	11120	10738	10634
6	PGE 230010	PGE 230010	G 200018PGE 200009	2.0				9961	8763	11746	10745	11620	10943	9557	11320	11038	11034
7	PGE 230024	PGE 230024	G 200018PGE 200017	2.0				11562	8162	11444	11045	11520	10843	9356	11320	10838	11134
8	PGE 230027	PGE 230027	G 200018PGE 200014	2.0				10761	8762	11144	10745	11620	10842	9556	11220	10938	10934
9	PGE 240002	PGE 240002	SW 110096PGE 210007	1.9				10361	8063	10643	10943	12019	10242	8156			8419
10	PGE 240003	PGE 240003	SW 110096PGE 210006	1.9				9261	8563	10743	10643	12019	10342	8356			8619
11	PGE 240019	PGE 240019	SW 110096PGE 200008	1.9				9262	8563	10445	10245	11819	10043	8057			10219
								★★★★									
1	PGE 200001	PGE 200001	DKH 170414	0.0				11557	7454	9165	9267	12819	9445	6258			10031
2	PGE 240001	PGE 240001	SW 110096PGE 210002	1.9				10361	7763	10243	10843	12019	9742	7456			8519
3	V 190189	V 190189	AM 090038V 100012	7.0				10271	11260	9460	8761	8942	9754	10762	12236	10050	12052

Selection List on Cow Value

Bull calves younger than 2 years

ID Sorted on ID	Name	Sire ID	Dam ID	Visual Score % 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	PGE 250001	PGE 250001	DKH 210004	PGE 200012	3.9			8262	11764	12245	7844	11220	12343	12258	11820	12338	12835
2	PGE 250006	PGE 250006	DKH 210004	PGE 200007	3.9			8561	11564	12245	7444	11220	12143	12157	11720	12238	12735
								★★★★★									
1	PGE 250018	PGE 250018	DKH 210004	PGE 210004	3.9			9161	11063	11743	8343	11320	11942	11356	11520	11938	12435
2	PGE 250019	PGE 250019	DKH 210004	PGE 210007	3.9			9361	10363	11243	8843	11320	11342	10456	11120	11338	11835
3	PGE 250020	PGE 250020	DKH 210004	PGE 210006	3.9			10361	9963	11243	9043	11320	11242	10256	11020	11138	11735
4	PGE 250026	PGE 250026	DKH 210004	PGE 210003	3.9			8961	10963	12043	8243	11320	11942	11356	11520	11938	12435
5	PGE 250027	PGE 250027	DKH 210004	PGE 200009	3.9			9062	10864	11345	8544	11320	11543	10758	11420	11538	12235

Selection List on Cow Value

Heifers younger than 2 years

ID	Name	Sire ID	Dam ID	Visual Score	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				% Inbreeding		nt821	F94L	Q204X		Acc	Acc	Acc	Acc	Acc	Acc	Acc	Acc
1	PGE 250004	PGE 250004	DKH 210004	PGE 210001	3.9												
2	PGE 250013	PGE 250013	DKH 210004	PGE 200002	3.9												
3	PGE 250022	PGE 250022	DKH 210004	PGE 200014	3.9												
4	PGE 250025	PGE 250025	DKH 210004	PGE 200006	3.9												
5	PGE 250033	PGE 250033	DKH 210004	PGE 200016	3.9												
6	PGE 250052	PGE 250052	DKH 210004	PGE 200017	3.9												
1	PGE 250003	PGE 250003	DKH 210004	PGE 200040	0.0												
2	PGE 250011	PGE 250011	DKH 210004	PGE 200001	3.9												
3	PGE 250014	PGE 250014	DKH 210004	PGE 200008	3.9												
4	PGE 250051	PGE 250051	DKH 170414	PGE 180017	0.0												
1	PGE 250005	PGE 250005	DKH 170414	PGE 170001	0.0												

