

BORAN

GENOMIC BREEDING VALUE REPORT

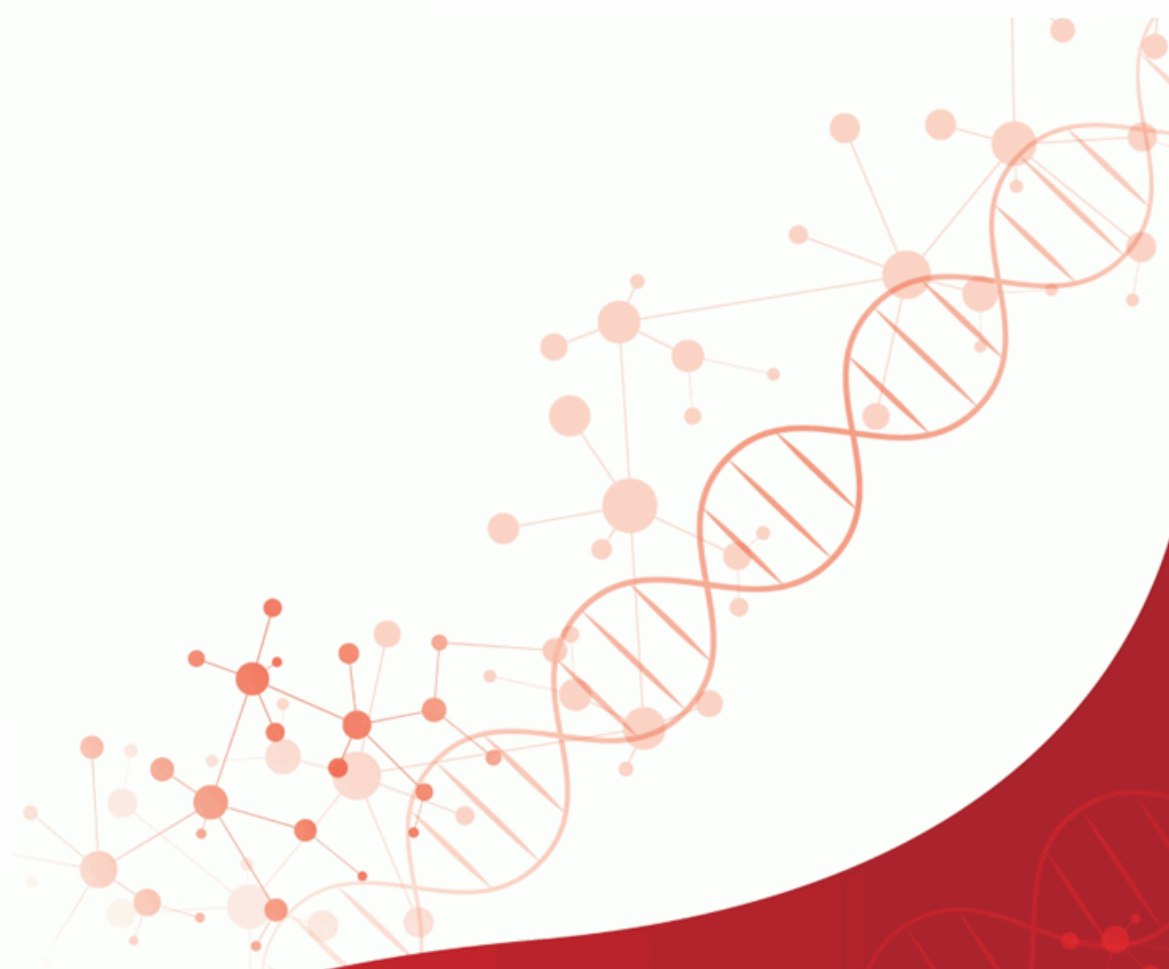
September 2026



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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

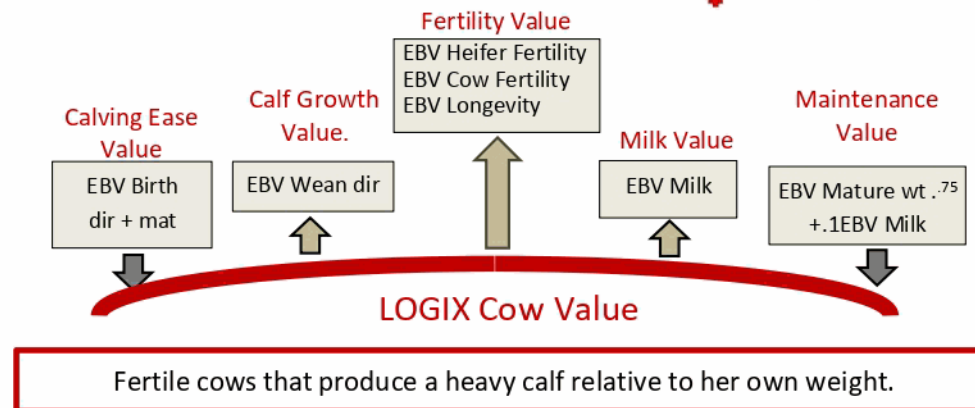
EBVi (Breeding Value Index): Genetic potential relative to the average (100) of the live animals in the breed. Roughly 50% of the animals have values between 90 and 110. Values above 100 tend to be in the more favourable direction.

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

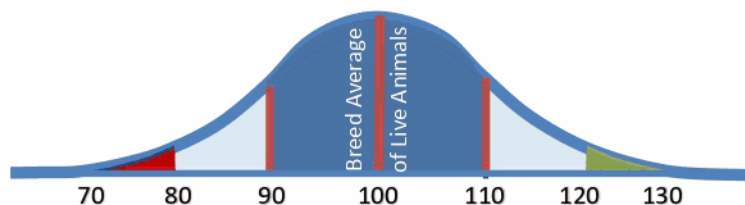
Growers are usually heavier at birth (lower Calving Ease Value), and maturity (lower Maintenance Value).

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

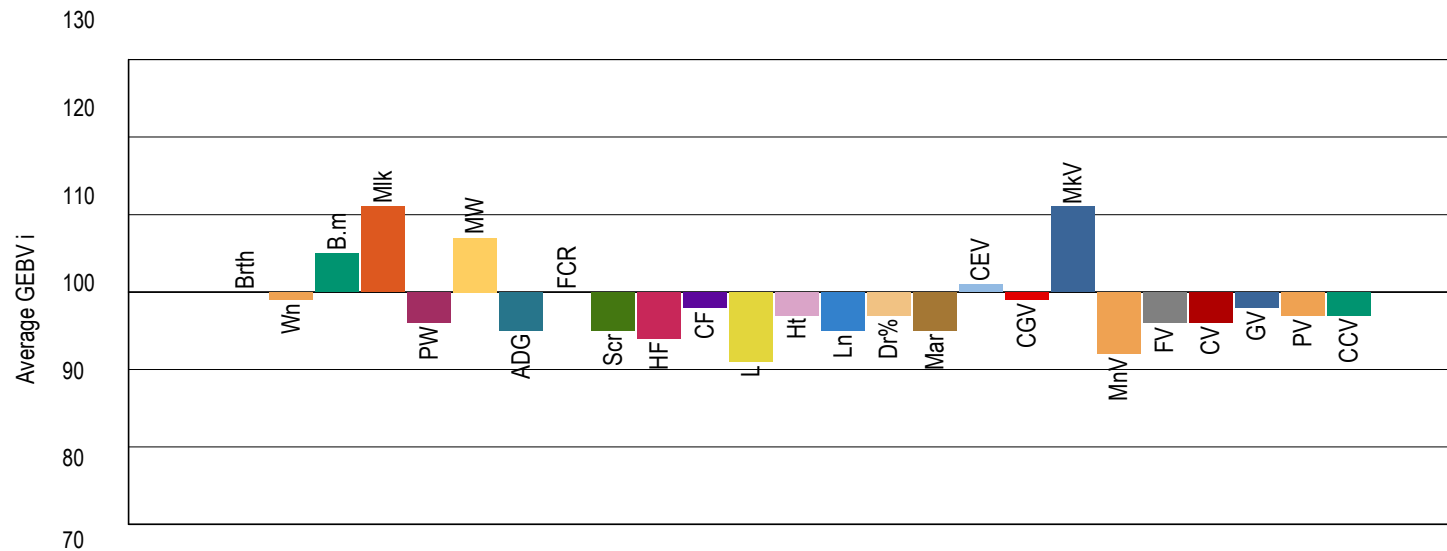


Examples

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	0.38	100	0.35
	Wean Weight	0.9	99	1.3
	Birth Mat.	-0.36	105	-0.21
	Milk (Wn.Mat.)	3.2	111	0.5
Postwean Growth	Postwean Wt	1.9	96	4.0
	Mature Weight	13	107	7
	ADG	-10	95	-3
	FCR	-1	100	0
Fertility	Scrotal Circumf.	-0.7	95	2.0
	Heifer Fertility	3.1	94	-1.0
	Cow Fertility	0.2	98	-0.1
	Longevity	23.1	91	30.6
Frame	Height	0	97	2
	Length	-2	95	1
Carcass	Dressing%	-0.04	97	0.00
	Marbling	-0.52	95	-0.23

Selection Value	Ave. Herd
Calving Ease	101
Calf Growth	99
Milk	111
Maintenance	92
Fertility	96
Cow Value	96
Growth Value	98
Production Value	97
Carcass Value	97

- 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?:

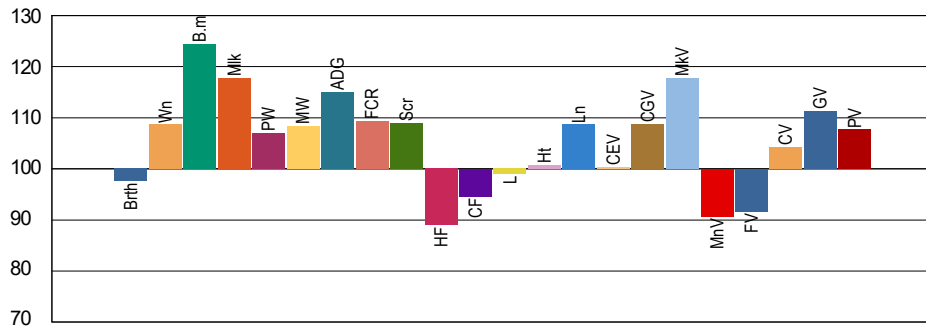
Calving ease:	Smaller calf at birth - easier calving
Calf growth:	Heavier calves at wean due to growth potential of the calf
Milk:	Cows with more milk and better mothering ability
Maintenance:	Animals with low maintenance requirements (lower mature weight).
Fertility:	Cows/daughters that calve earlier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

Genetic Windows

Bulls on the farm

Bulls born in 2023 and earlier

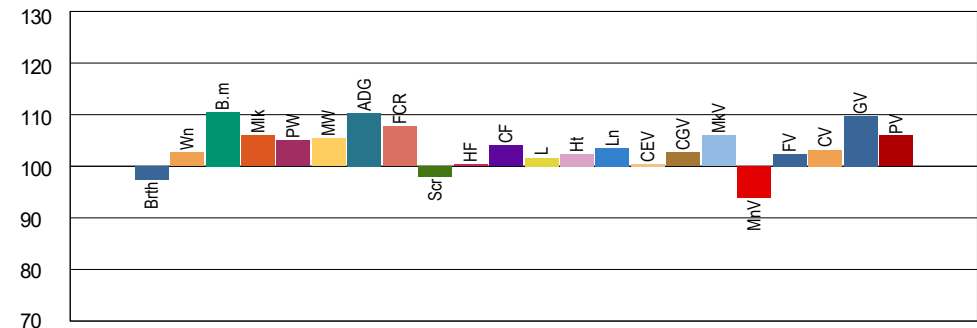
Total: 3



Cow Herd

Cows born in 2024 and earlier

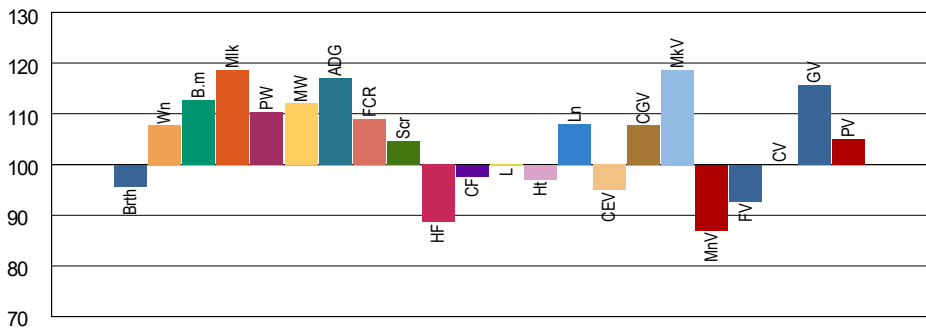
Total: 11



Sires of young animals

Sires of animals 3 years and younger

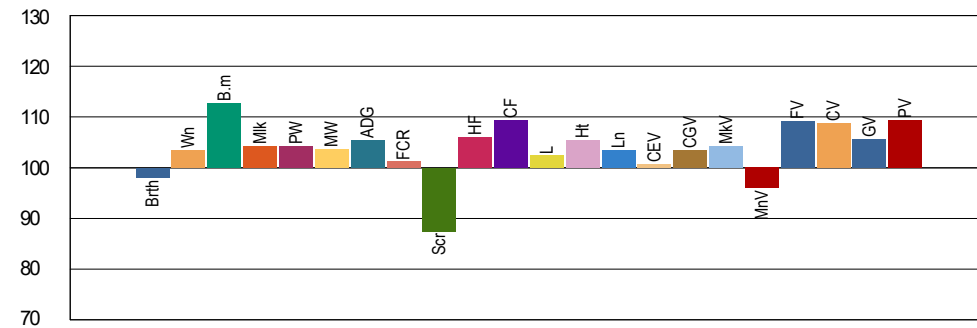
Total: 3



Cows older than 6 years

Cows born in 2020 and earlier

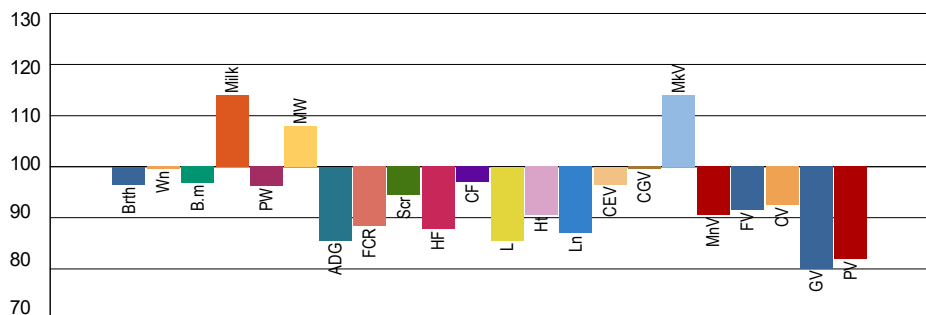
Total: 5



Bull calves

Bulls born in 2025

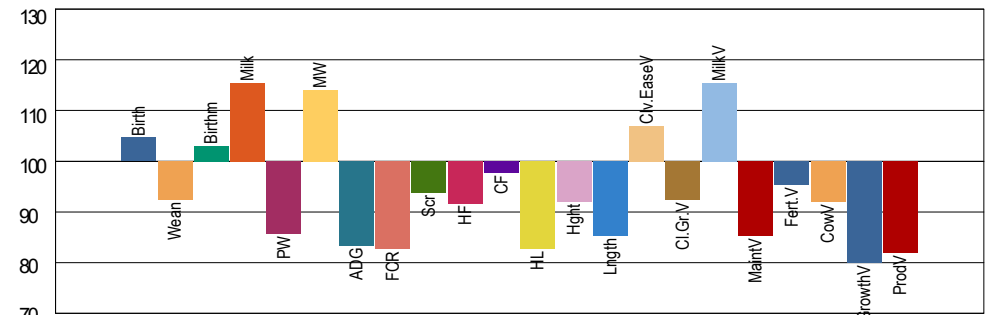
Total: 4



Heifer calves

Heifers born in 2025

Total: 3

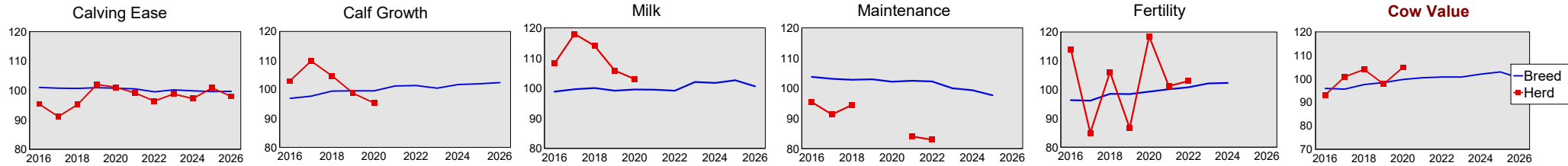


Summary of Cow Herd

			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
2011	1	★★★☆☆	109	82	84	110	94	83	96	83	103	82	117	84	84	92	87	77	63	105	91	99	96	85	
2012	1	★★★★★☆☆	108	101	114	105	115	124	97	120	106	101	103	114	102	93	99	99	86	96	128	101	100	99	
2018	2	★★★★★	93	114	109	90	105	110	111	112	93	114	112	109	114	109	114	111	99	100	106	101	108	110	
2020	1	★★★★★	100	107	105	85	127	118	114	120	95	107	120	105	108	116	114	108	90	129	117	111	116	113	
2021	2	★★★★★☆☆	105	96	99	95	109	102	108	104	100	96	109	99	101	104	107	109	100	110	108	104	98	100	
2022	3	★★★★	108	93	108	94	95	95	96	94	106	93	111	108	92	105	99	99	99	92	100	92	95	94	
2024	6	★★★★	96	101	116	89	88	91	100	91	95	101	99	116	97	110	96	94	96	88	89	87	97	94	
2025	3	★★★★	107	92	115	85	95	92	80	82	105	92	103	115	86	114	83	83	94	92	98	83	92	85	
2026	1	★★★☆☆	98	94	115	90	89	87			100	94	93	115	88	109	81	83	93	93	87	83	90	86	
Cows in Herd Average:			103	98	107	94	102	100	100	101	100	98	107	107	97	106	98	98	91	101	103	96	99	96	

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.



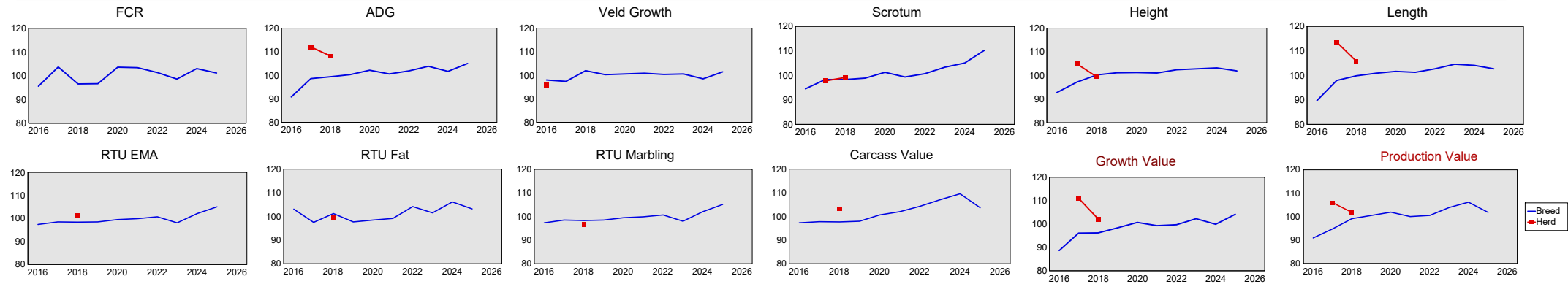
Herd

Birth Year	Calving Ease				Calf Growth			Milk			Maintenance					Fertility								Cow Value
	Birth Weight		Calv. Ease	Dir EBV	Mat EBV	Weaning Weight		Calf Growth	Milk (Wn.Mat.)		Milk	Postwean Weight		Mature Weight		Maintenance	Heifer Fert.		Cow Fert.		Longevity		Ferti- lity	
	Number					Number	EBV		Number	EBV		Number	EBV	Number	EBV		Number	EBV	Number	EBV	Number	EBV		
2016	7	0.87	-0.34	95		6	2.3	103	6	2.47	108	6	7.2	2	13	95			1	-3.7	8	28.5	114	93
2017	15	0.99	-0.29	91		13	4.5	110	13	4.75	118	5	8.3	1	32	91			3	3.6	13	27.5	85	101
2018	18	0.71	-0.22	95		18	2.8	105	18	3.81	114	6	8.8	1	4	94	5	-9.9	8	-0.4	18	29.2	106	104
2019	12	0.26	-0.22	102		6	0.9	99	6	1.91	106						1	0.6	3	3.0	10	27.9	87	98
2020	14	0.33	-0.25	101		6	-0.3	95	6	1.22	103						2	-14.7	2	-1.6	12	33.3	119	105
2021	17	0.56	-0.55	99										1	20	84	4	-1.8			14	28.9	101	
2022	19	0.68	-0.40	96										1	23	83	1	-1.5					103	
2023	15	0.48	-0.37	99																				
2024	25	0.49	-0.10	97																				
2025	6	0.31	-0.15	101																				
2026	1	0.34	-0.01	98																				

Breed

Birth Year	Calving Ease				Calf Growth			Milk			Maintenance				Fertility								Cow Value	
	Birth Weight		Mat EBV	Calv. Ease	Weaning Weight		Calf Growth	Milk (Wn.Mat.)		Milk	Postwean Weight		Mature Weight		Maintenance	Heifer Fert.		Cow Fert.		Longevity		Fertility		
	Number	Dir EBV			Number	EBV		Number	EBV		Number	EBV	Number	EBV		Number	EBV	Number	EBV	Number	EBV			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			
2017				5	14	112				5	0.8	98	5	5	105	5	9	114										
2018				6	9	108				6	1.6	99	6	2	99	6	4	106	6	0.10	101	-0.10	100	-0.44	97	103	102	102
2019																												
2020																												
2021																												
2022																												
2023																												
2024																												
2025																												
2026																												

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
BOS 150036 85126936		HVT 980022 FN 060110		106	91	104	86	131	109	105	109	90	110	104	109	114	91	104	91	99	107	120	106	104	87	127	122	110	121	104	99	106	119	99	35	17
				88	79	62	63	59	65	36	56	30	15	0.07	-1.2	19	-1.7	1.4	-32	3.5	7	25	-11	0.41	-4.7	-18.2	-4.1	38.6	14	3.3	-0.07	0.50	0.89	-0.01	2	5
				53	89	79			63	79	62	68	44	35	14	11	40	38	60	40	77	37	34	29	32	29	30									
C 090074 70458195		B 040001 Z 060019		82	140	151	74	72	115	131	124	144	140	77	103	128	139	151	148	133	133	80	118	97	109	87	60	100	123	145	129	120	121	131	33	22
				89	82	66	69	61	68	74	70	60	40	1.82	-0.7	31	14.2	12.6	93	22.1	46	-36	-36	0.11	6.5	7.5	7.4	30.2	15	28.5	1.93	1.84	1.01	0.40	12	3
				65	90	82			69	82	66	72	62	74	27	33	82	79	58	45	81	78	71	57	63	57	60									
E 060005 62631460		TLM 020001 TLM 000014		106	74	103	124	86	84	91	82	92	84	108	88	77	74	103	94	77	83	106	74	114	57	109	88	86	102	80	83	116	109	86	38	5
				98	96	96	96	95	87	92	88	91	-7	-0.17	0.7	-13	-7.1	1.1	-25	-8.6	-29	3	53	0.83	-19.6	-6.9	2.2	19.4	3	-11.9	-1.08	1.51	0.32	-0.17	64	129
				94	98	97			96	96	96	96	92	92	90	90	92	92	96	92	98	92	92	91	91	91	91									
PYM 160006 83751529		CFH 090257 PT 120021		89	99	94	95	106	91	109	95	87	99	89	94	104	99	94	93	110	105	155	112	111	106	106	110	103	91	95	93	102	99	94	21	
				79	63	50	53	43	54	30	47	24	6	1.06	0.2	10	0.9	-0.8	-28	9.5	4	78	-24	0.68	4.9	-5.0	-1.9	32.7	-3	-2.3	-0.41	0.14	-0.27	-0.08	1	1
				50	83	69			53	63	50	55	48	29	11	13	34	33	41	24	64	32	28	23	26	23	24									
PYM 160015 84504950		B 070069 EO 120483		105	90	99	98	110	99	88	94	83	91	102	105	100	90	99	92	100	89	113	90	79	96	101	124	95	80	80	94	95	102	93	7	1
				87	84	84	84	83	76	82	78	81	-1	0.25	-0.8	7	-1.9	0.2	-30	4.1	-19	13	21	-0.66	0.0	-1.9	-4.5	26.8	-10	-11.4	-0.39	-0.55	-0.10	-0.09	1	1
				83	87	86			84	84	84	84	82	82	80	80	83	82	83	81	85	82	82	81	81	81	81									
PYM 170014 86219474		C 090074 EO 120483		94	119	127	81	90	108	121	114	130	122	98	134	119	119	127	123	114	127	100	115	75	128	81	97	99	96	116	120	118	116	122	84	
				92	84	82	83	82	77	84	79	80	24	0.48	-3.6	24	7.4	6.8	39	11.9	36	-6	-29	-0.80	16.2	11.1	0.5	29.8	-1	10.5	1.33	1.65	0.69	0.28	1	1
				82	95	88			83	84	82	83	81	83	79	79	86	85	81	80	85	85	83	80	80	80	80									
PYM 180012 87503256		C 090074 CFH 100279		86	114	130	82	78	93	138	107	125	124	87	96	117	114	130	124	117	135	89	122	83	90	84	72	105	115	128	112	99	116	112	3	
				70	67	51	52	43	53	62	56	58	26	1.19	0.0	22	5.8	7.7	40	13.5	49	-22	-44	-0.50	-3.1	9.2	5.2	34.2	11	18.1	0.80	-0.18	0.72	0.15		
				49	75	63			52	67	51	57	46	60	17	18	74	70	41	29	60	67	57	53	62	54	58									
TLM 030004 61035523		K6K2588 KPO1680		103	84	107	124	112	111	81	102	97	77	103	89	76	84	107	106	87	86	125	88	94	95	96	130	87	104	93	119	140	100	123	152	34
				97	90	88	89	76	80	50	71	38	-13	0.15	0.7	-14	-3.9	2.3	1	-3.0	-24	32	23	0.00	-0.4	1.7	-5.6	20.4	4	-3.5	1.24	3.79	-0.25	0.30	1	30
				78	97	94			89	90	88	89	52	49	18	21	59	56	78	52	97	54	47	35	41	36	38									

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	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 %	
Animal no	%	Parentage	EBV Acc																																	Sire ID
PYM 210012	2	PYM 170014		105	101	117	101	91	105	112	106	106	113	100	106	125	96	101	117	116	95	110	67	104	75	100	89	97	93	101	108	102	110	104	104	
92371079		PRB 120042		66	44	44	46	35	43	48	38	42	23	7	0.00	-2.8	4	1.6	4.4	21	1.3	12	-55	-7	-0.8	2.0	6.1	0.5	24.8	2	5	0.15	0.91	0.03	0.05	
														44	72	58	46	44	44	45	30	37	12	12	44	42	33	22	49	40	35	22	24	22	23	
PYM 230014	7	PYM 170014		96	116	122	84	100	112	122	115	116	117	117	89	112	116	116	122	120	116	118	105	110	91	108	97	98	104	106	113	111	112	116	113	
95858700		PYM 200001		63	41	33	35	31	38	43	34	37	20	21	1.04	-1.5	20	6.4	5.6	30	12.8	23	2	-19	-0.2	6.2	0.7	0.2	33.5	5	9	0.77	1.13	0.72	0.17	
														30	69	52	35	41	33	36	26	34	10	11	40	38	31	20	43	37	32	19	22	20	20	
PYM 230017	1	PYM 170014		100	109	114	87	84	96	112	113	101	112	111	98	123	113	109	114	111	110	117	115	114	86	119	81	89	100	95	105	108	110	106	109	
96289731		PT 120021		66	46	45	47	36	44	49	38	42	27	16	0.49	-2.5	18	4.3	3.8	12	9.6	22	17	-27	-0.4	11.8	11.4	2.1	30.9	-1	4	0.55	0.95	0.14	0.12	
														44	71	58	47	46	45	46	32	38	13	15	45	43	35	23	49	41	36	26	28	26	27	
PYM 240015		PYM 180016		116	83	110	87	103	92	86			80	97	113	115	112	83	110	91	77	80	113	81	79	90	95	109	81	91	80	87	81	81	85	
97364525				55	32	24	24	23	30	34			11	4	-0.48	-1.8	17	-4.4	2.9	-32	-8.6	-34	14	39	-0.7	-3.3	2.4	-1.7	15.4	-3	-12	-0.80	-1.93	-1.34	-0.19	
														22	62	42	24	32	24	27	15	16	5	5	18	17	25	15	29	17	15	10	12	11	11	
PYM 240017		CFH 100212		87	98	105	100	81	80	97	76	74	81	89	92	84	98	98	105	104	89	77	105	82	86	83	87	82	72	95	84	76	73	68	74	
97749824				57	32	37	37	28	35	38	22	31	18	-3	0.88	1.1	5	0.8	1.7	-4	-1.9	-38	2	36	-0.3	-6.8	7.2	3.2	8.3	-1	-9	-1.54	-2.68	-2.12	-0.34	
														36	63	48	37	32	37	35	22	22	9	9	24	24	29	20	36	23	21	17	19	17	18	
PYM 240031		BWS 120006		110	89	119	93	96	96	97	72	86	85	97	113	103	105	89	119	105	82	76	104	77	83	86	86	105	81	90	83	91	91	72	90	
98043813				55	35	38	39	28	35	39	22	31	19	4	-0.46	-0.7	11	-2.5	5.0	-2	-6.2	-38	0	46	-0.5	-5.1	8.1	-0.9	15.1	-4	-10	-0.56	-0.98	-1.88	-0.13	
														37	60	48	39	35	38	37	21	22	12	11	25	23	28	20	37	23	21	18	20	18	19	
PYM 250003	2	PYM 160015		102	97	100	95	94	92	95	96	91	89	96	97	106	103	97	100	97	105	98	122	101	88	103	91	102	99	87	88	95	99	100	95	
98429608		PT 120021		53	41	45	46	35	40	44	29	37	24	3	0.53	-1.0	10	0.2	0.6	-20	6.6	-6	27	-2	-0.3	3.7	4.9	-0.5	29.4	-6	-7	-0.31	-0.15	-0.26	-0.06	
														44	52	51	46	41	45	44	26	29	11	13	33	31	35	23	46	31	28	23	25	23	24	
PYM 250007		PYM 180008		81	117	125	86	79	94	121	83	88	100	107	84	90	113	117	125	124	107	88	96	87	86	96	81	79	80	97	96	99	91	91	82	98
99352148				54	33	25	25	21	30	34	22	28	18	12	1.36	0.6	18	6.8	6.4	41	7.8	-21	-13	26	-0.3	-0.2	11.2	3.9	14.7	0	-2	-0.05	-0.95	-1.31	-0.03	
														23	59	43	25	33	25	28	19	21	9	10	24	23	19	15	28	22	21	18	19	18	18	
PYM 250009		PYM 220015		94	95	112	88	97	88	94			79	97	94	99	111	95	112	101	91	80		86	93	93	102	82	88	81	87	81	79	84		
99352130				49	22	17	18	16	23	25			8	4	0.72	-0.3	17	-0.4	3.3	-11	-0.9	-34		-0.4	-1.7	3.7	-0.5	15.8	-5	-11	-0.85	-1.91	-1.48	-0.20		
														17	58	36	18	22	17	19	14	11		12	12	16	10	23	11	10	8	9	8	8		
PYM 250010		BWS 120006		109	89	119	93	96	96	98	72	86	85	97	111	102	105	89	119	106	82	76	104	77	83	86	86	105	81	90	83	91	91	72	90	
99528366				55	35	38	39	28	35	39	22	31	19	4	-0.38	-0.6	11	-2.2	5.1	0	-5.7	-38	0	46	-0.5	-5.1	8.1	-0.9	15.1	-4	-10	-0.56	-0.98	-1.88	-0.13	
														37	60	48	39	35	38	37	21	22	12	11	25	23	28	20	37	23	21	18	20	18	19	

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 %
CFH 110071 73493777	E	060005 HVT 010030		109 81	82 66	84 74	110 76	94 60	83 64	78 71	96 46	83 59	93 35	91 -1 75	103 0.16 77	112 -1.5 80	92 0 76	82 -4.5 66	84 -3.3 74	78 -61 72	84 -4.7 48	87 -23 45	102 -3 20	77 47 22	132 1.6 53	63 -16.6 50	105 -4.4 62	91 1.6 47	99 29.6 72	96 0 49	85 -8 44	85 -0.96 33	116 1.54 37	112 0.51 33	88 -0.15 35
BWS 120006 76731066	TLM	030004 CFH 060697		108 84	101 69	114 76	105 78	115 57	124 65	113 74	97 44	120 59	102 38	101 8 75	106 -0.03 82	102 -0.6 83	93 1 78	101 1.8 69	114 3.8 76	116 21 74	102 5.4 42	99 -5 43	101 -4 24	99 2 21	93 -0.1 50	86 -5.0 46	96 1.4 56	128 -5.2 40	101 31.0 75	100 2 46	99 0 42	104 0.26 36	121 1.97 40	91 -0.77 36	106 0.09 38
PYM 180008 87281366	C	090074 VST 150041		76 79	139 66	123 49	89 51	82 41	113 54	144 63	118 44	118 51	132 38	121 24 46	76 1.91 74	89 0.7 72	109 15 51	139 14.1 66	123 5.8 49	139 73 55	135 23.4 38	122 30 43	84 -30 18	116 -32 20	98 0.2 47	105 4.8 47	86 7.7 37	75 4.5 30	100 30.2 57	114 10 45	126 17 41	119 1.29 36	121 2.03 39	110 0.36 36	122 0.29 38
PYM 180016 87877395	BOS	150036 EO 120483		110 78	88 64	95 48	91 49	128 46	106 53	83 62	103 32	106 47	92 22	101 8 45	110 -0.26 75	128 -3.1 69	108 14 49	88 -2.8 64	95 -0.6 48	85 -46 54	92 -0.5 30	105 4 31	120 24 10	106 -11 11	83 -0.5 35	93 -1.3 34	114 -9.8 49	136 -6.7 30	101 31.7 58	101 3 33	94 -3 30	96 -0.22 21	102 0.08 23	109 0.31 21	97 -0.04 22
PYM 200004 90002494	BOS	150036 PYM 160004		100 79	107 47	105 41	85 46	127 41	118 47	104 51	114 28	120 41	107 22	118 21 41	95 0.65 74	118 -2.1 70	116 21 46	107 3.5 47	105 1.7 41	102 -10 45	108 8.5 28	114 17 27	106 2 10	108 -16 10	111 0.7 31	90 -3.1 29	129 -19.7 43	117 -3.2 26	111 39.0 54	116 11 29	113 9 26	107 0.46 21	110 0.93 23	121 1.00 21	108 0.10 22
PYM 210011 92362433	1	PYM 160006 PYM 180016		110 68	90 45	94 35	93 36	117 36	102 41	86 46	106 22	103 35	89 16	100 7 34	103 0.14 70	114 -1.7 57	106 12 36	90 -1.8 45	94 -0.9 35	87 -42 39	98 2.9 28	105 4 21	148 66 8	109 -17 8	97 0.1 25	100 1.8 24	110 -7.1 40	123 -4.3 19	103 33.3 49	96 0 23	94 -3 21	95 -0.32 16	102 0.11 17	104 0.02 16	95 -0.06 16
PYM 210019 92626548		PYM 160006 PYM 160005		99 72	102 41	104 37	97 44	101 36	101 43	102 46	109 26	104 38	99 21	104 10 41	96 0.60 72	101 -0.5 62	101 8 44	102 1.8 41	104 1.4 37	104 -5 41	104 6.4 30	108 9 26	130 39 10	109 -18 11	108 0.6 29	100 1.9 28	110 -7.5 39	93 1.3 19	105 34.7 50	99 1 27	106 5 25	100 0.02 20	104 0.36 22	107 0.16 20	101 0.01 21
PYM 220012 94141405		PRB 120042		119 57	78 31	115 36	103 37	85 25	88 34	90 37	69 21	78 30	82 16	86 -5 37	118 -0.83 63	109 -1.2 48	95 2 37	78 -6.0 31	115 4.1 36	99 -15 35	67 -14.4 21	74 -42 20	71 -50 9	73 54 8	75 -0.8 24	79 -8.7 23	86 7.9 24	89 1.9 16	74 9.5 36	93 -2 22	83 -10 20	81 -1.21 15	81 -1.88 16	73 -1.81 15	80 -0.26 16
PYM 220015 94281847	1	PYM 160006 PYM 180016		105 68	92 45	95 35	93 36	117 32	101 41	87 46	106 22	103 35	89 16	100 7 34	101 0.32 70	109 -1.2 57	106 12 36	92 -1.3 45	95 -0.6 35	89 -38 39	100 4.1 28	105 4 21	148 66 8	109 -17 8	97 0.1 25	100 1.8 24	110 -7.4 32	123 -4.3 19	102 32.4 46	96 0 23	94 -3 21	95 -0.32 16	102 0.11 17	104 0.02 16	95 -0.06 16
PYM 220017 94281862	1	PYM 170014 PT 120021		101 70	109 46	115 45	87 47	84 36	97 45	113 50	113 38	102 43	112 27	111 16 44	98 0.49 73	120 -2.3 61	113 18 47	109 4.2 46	115 4.0 45	112 12 46	110 9.7 32	117 22 38	115 17 13	114 -27 15	86 -0.4 45	119 11.8 43	81 11.4 35	89 2.1 23	101 31.2 51	95 -1 41	105 4 36	108 0.55 26	110 0.95 28	106 0.14 26	109 0.12 27
PYM 240004 97107650	1	PYM 170014 CFH 100279		100 59	105 47	118 46	88 47	84 37	95 43	110 49	117 38	101 42	111 26	113 17 44	94 0.75 61	110 -1.3 54	111 17 47	105 3.0 47	118 4.7 46	112 13 47	109 8.9 34	118 24 38	91 -20 13	110 -20 13	82 -0.5 45	107 5.3 43	81 11.0 36	90 1.7 24	99 29.6 50	96 -1 41	106 4 36	105 0.37 25	105 0.44 28	103 -0.05 25	106 0.08 26
PYM 240007 97107676	2	PYM 180012 QT 150034		87 62	114 45	119 40	94 44	77 33	95 41	120 47	128 40	105 41	110 36	109 14 34	90 1.01 68	90 0.6 54	104 10 44	114 6.0 45	119 4.9 40	123 37 43	113 11.5 30	134 47 38	84 -30 11	128 -56 13	80 -0.6 46	114 8.8 44	82 10.6 31	79 3.8 22	96 27.4 45	117 12 42	117 11 37	108 0.56 33	96 -0.47 38	108 0.24 33	107 0.10 36

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 Thickn	Scrotum	Heifer Fert	Cow Fert.	Longevity	Height	Length	EMA	Fat	Marbling	Dress %
			Sire ID Dam ID																																
PYM 240012 97364491		PYM 180008		82 56	116 33	125 25	86 25	79 21	94 30	121 35	83 22	88 28	100 18	107 12	85 1.33	90 0.6	113 18	116 6.6	125 6.4	124 40	106 7.6	88 -21	96 -13	87 26	86 -0.3	96 -0.2	81 11.2	79 3.9	80 14.7	97 0	96 -2	99 -0.05	91 -0.95	82 -1.31	98 -0.03
PYM 240020 97729776		PYM 200004		98 56	99 24	116 20	84 23	102 20	97 27	100 29			88 11	105 11	97 0.57	106 -0.9	116 21	99 0.9	116 4.3	104 -3	92 -0.6	84 -27	106 3	82 36	93 -0.1	88 -4.1	102 -2.5	99 0.1	86 19.1	98 1	90 -6	93 -0.46	85 -1.50	87 -0.99	91 -0.12
PYM 240022 97729834		PYM 210011		105 51	87 22	110 17	88 18	97 18	87 24	88 26			79 8	97 4	105 0.01	106 -0.9	111 17	87 -2.9	110 2.9	95 -25	84 -5.1	80 -34			86 -0.4	93 -1.7	93 3.8	102 -0.5	82 16.3	88 -5	81 -11	87 -0.85	81 -1.91	79 -1.48	84 -0.20
PYM 240027 98043805		CFH 110071		102 54	86 33	105 37	94 38	86 30	77 35	85 38	72 23	69 31	81 18	92 0	101 0.28	102 -0.6	104 10	86 -3.3	105 1.8	93 -28	79 -7.4	71 -47	104 0	65 70	103 0.4	75 -10.9	90 5.2	86 2.5	80 14.4	88 -5	76 -14	82 -1.18	88 -1.20	83 -1.24	81 -0.24
PYM 250006 99352122		PYM 200004		113 54	88 24	114 20	84 23	102 20	95 27	92 28			88 11	105 11	112 -0.41	112 -1.6	116 21	88 -2.6	114 3.9	96 -21	81 -6.3	84 -27	106 3	82 36	93 -0.1	88 -4.1	102 -2.5	99 0.1	86 19.1	98 1	90 -6	93 -0.46	85 -1.50	87 -0.99	91 -0.12
PYM 250008 99352155		PYM 180016		111 53	86 32	111 24	87 24	103 23	93 30	89 33			80 11	97 4	108 -0.15	112 -1.6	112 17	86 -3.2	111 3.0	94 -26	81 -6.6	80 -34	113 14	81 39	79 -0.7	90 -3.3	95 2.4	109 -1.7	81 15.4	91 -3	80 -12	87 -0.80	81 -1.93	81 -1.34	85 -0.19
PYM 250011 99829087		PYM 220017		97 49	103 23	121 23	85 23	81 18	88 25	107 28	80 20	82 24	90 14	102 8	94 0.74	105 -0.9	114 20	103 2.1	121 5.5	112 12	95 1.5	86 -25	111 11	85 29	80 -0.6	103 3.3	78 13.1	85 2.7	81 15.2	87 -5	86 -8	93 -0.42	85 -1.49	80 -1.42	91 -0.11
PYM 260001 99829095		PYM 210019		98 50	94 21	115 18	90 22	89 18	87 24	97 26			84 10	98 5	100 0.34	99 -0.3	109 14	94 -0.7	115 4.1	104 -4	88 -2.8	81 -31	118 22	83 35	91 -0.1	93 -1.6	93 3.6	87 2.3	83 16.9	90 -4	86 -8	89 -0.69	82 -1.79	80 -1.41	87 -0.16

Selection List on Cow Value

Bulls 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	PYM 230014	PHILLIP	PYM 170014	PYM 200001	6.5			9663	11641	12233	8435	10031	11238	12243	11534	11637	11720
								★★★★☆									
1	PYM 210012	MAX	PYM 170014	PRB 120042	1.8			10566	10144	11744	10146	9135	10543	11248	10638	10642	11323
								★★★★									
1	PYM 230017	FYNN	PYM 170014	PT 120021	1.5			10066	10946	11445	8747	8436	9644	11249	11338	10142	11227
2	PYM 240015	JONAS		PYM 180016	0.0			11655	8332	11024	8724	10323	9230	8634			8011
3	PYM 240031	JORDAN		BWS 120006	0.0			11055	8935	11938	9339	9628	9635	9739	7222	8631	8519
								★★★★☆									
1	PYM 240017	CHIPS		CFH 100212	0.0			8757	9832	10537	10037	8128	8035	9738	7622	7431	8118

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								★★★★★☆☆																			
1	BWS 120006	BOOTS	TLM 030004	CFH 060697	0.0			108	84	101	69	114	76	105	78	115	57	124	65	113	74	97	44	120	59	102	38
								★★★★★☆☆																			
1	PYM 180008	CHARLOTTE	C 090074	VST 150041	0.2			76	79	139	66	123	49	89	51	82	41	113	54	144	63	118	44	118	51	132	38
2	PYM 200004	LEAH	BOS 150036	PYM 160004	0.2			100	79	107	47	105	41	85	46	127	41	118	47	104	51	114	28	120	41	107	22
								★★★★★☆☆																			
1	PYM 180016	VIOLET	BOS 150036	EO 120483	0.3			110	78	88	64	95	48	91	49	128	46	106	53	83	62	103	32	106	47	92	22
2	PYM 210011	RAKSHA	PYM 160006	PYM 180016	1.0			110	68	90	45	94	35	93	36	117	36	102	41	86	46	106	22	103	35	89	16
3	PYM 210019	SARABI	PYM 160006	PYM 160005	0.3			99	72	102	41	104	37	97	44	101	36	101	43	102	46	109	26	104	38	99	21
4	PYM 220015	LILAC	PYM 160006	PYM 180016	1.0			105	68	92	45	95	35	93	36	117	32	101	41	87	46	106	22	103	35	89	16
								★★★★★☆☆																			
1	PYM 220017	ARWEN	PYM 170014	PT 120021	1.5			101	70	109	46	115	45	87	47	84	36	97	45	113	50	113	38	102	43	112	27
2	PYM 240004	ARUM	PYM 170014	CFH 100279	0.8			100	59	105	47	118	46	88	47	84	37	95	43	110	49	117	38	101	42	111	26
3	PYM 240007	JOEY	PYM 180012	QT 150034	2.1			87	62	114	45	119	40	94	44	77	33	95	41	120	47	128	40	105	41	110	36
4	PYM 240012	PIPER		PYM 180008	0.0			82	56	116	33	125	25	86	25	79	21	94	30	121	35	83	22	88	28	100	18
5	PYM 240020	JAINA		PYM 200004	0.0			98	56	99	24	116	20	84	23	102	20	97	27	100	29					88	11
								★★★★★☆☆																			
1	CFH 110071	CFH110071	E 060005	HVT 010030	0.0			109	81	82	66	84	74	110	76	94	60	83	64	78	71	96	46	83	59	93	35
2	PYM 220012	MINNIE		PRB 120042	0.0			119	57	78	31	115	36	103	37	85	25	88	34	90	37	69	21	78	30	82	16
3	PYM 240022	SHANTI		PYM 210011	0.0			105	51	87	22	110	17	88	18	97	18	87	24	88	26					79	8
								★★★★★☆☆																			
1	PYM 240027	DOTTY		CFH 110071	0.0			102	54	86	33	105	37	94	38	86	30	77	35	85	38	72	23	69	31	81	18

Selection List on Cow Value

Bull calves 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	Acc	Acc											
										★★★★																				
1	PYM 250003	JAKE	PYM 160015	PT 120021	1.9						102	53	97	41	100	45	95	46	94	35	92	40	95	44	96	29	91	37	89	24
2	PYM 250007	STITCH		PYM 180008	0.0						81	54	117	33	125	25	86	25	79	21	94	30	121	34	83	22	88	28	100	18
3	PYM 250010	SNEAKERS		BWS 120006	0.0						109	55	89	35	119	38	93	39	96	28	96	35	98	39	72	22	86	31	85	19
										★★★★☆																				
1	PYM 250009	EVIDENCE		PYM 220015	0.0						94	49	95	22	112	17	88	18	97	16	88	23	94	25					79	8

Selection List on Cow Value

Heifers younger than 2 years

ID		Name	Sire ID	Dam ID	Visual Score	% 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	PYM 250006	SOLO		PYM 200004	0.0						113	54	88	24	114	20	84	23	102	20	95	27	92	28			88	11		
2	PYM 250008	MAUVE		PYM 180016	0.0						111	53	86	32	111	24	87	24	103	23	93	30	89	33			80	11		
										★★★★☆																				
1	PYM 250011	AERIN		PYM 220017	0.0						97	49	103	23	121	23	85	23	81	18	88	25	107	28	80	20	82	24	90	14
2	PYM 260001	SARAFINA		PYM 210019	0.0						98	50	94	21	115	18	90	22	89	18	87	24	97	26			84	10		

