

BONSMARA

GENOMIC BREEDING VALUE REPORT

September 2026



BLUE FARMING PTY LTD

Herd Number: 735480

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EBVs, EBVi's and GEBVs

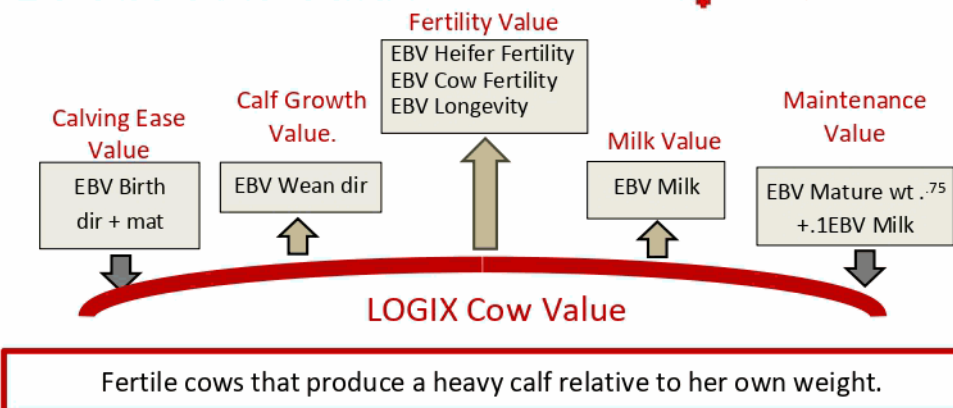
EBVi (Breeding Value Index): Genetic potential relative to the average (100) of the live (active) animals in the breed. Roughly 50% of the animals have values between 90 and 110. Values above 100, depending on the trait, tend to be in the more favourable direction.

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.

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 environments.

GROWERS

(GOOD ENVIRONMENT)

- WeanerCalf / 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.

LOGIX Weaner Calf Value



Select for:

- heavy weaners
- more milk and
- lower birth and
- cow weights

LOGIX Carcass Value



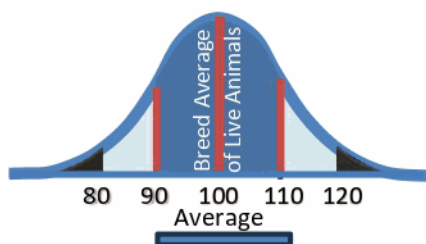
Select for more meat on the carcass as measured from end weight in Phase C and D Growth Tests and RTU scanning.

LOGIX Production Value



80% LOGIX Cow Value +
20% LOGIX Growth Value

Interpretation of EBVi and Selection Values

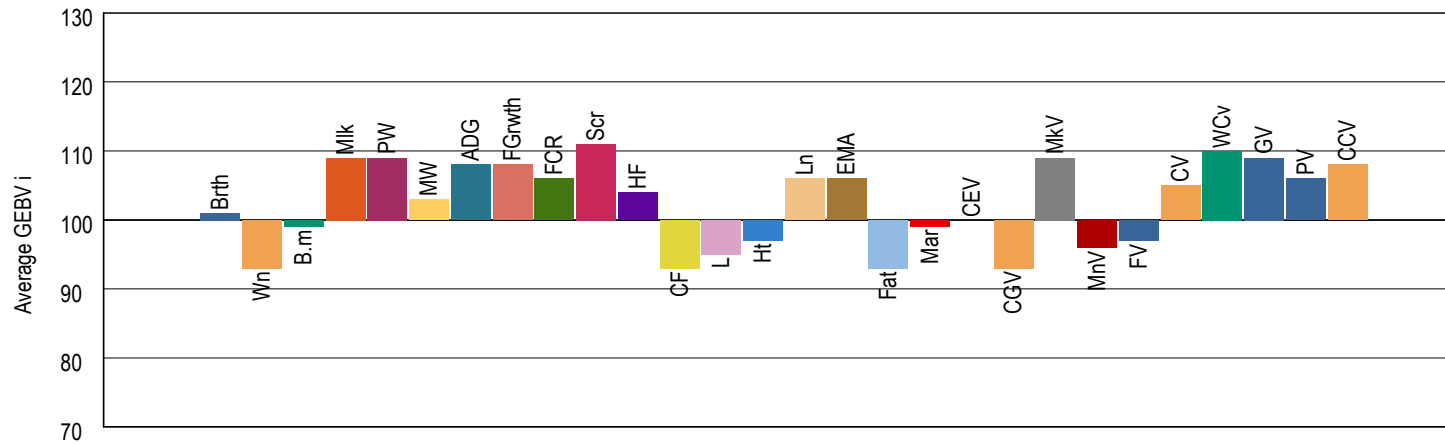


Examples

Type of Animal	Cow Value	Calving Ease V	Weaner Calf 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	Low Value	High 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 per Ha)	Profitable cows	Loss	Profit
	Weaner Calf Value	Heavier weaners and more milk, with lower birth and cow weights	Heavy weaner	Light	Heavy
	Growth Value	Efficient growth on veld and in feedlot (Rand-value per animal)	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	Thin	Thick
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	Less desirable	More desirable
Carcass	Eye Muscle Area	RTU Eye muscle area	Muscle in carcass	Small	Big
	Fat	RTU P8 Backfat Thickness	Carcass quality & adaptability	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	EMA:	Eye Muscle
FGwth	Veldgrowth	Fat:	Fat
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
WCV:	Weaner Calf Value
GV:	Growth Value
PV:	Production Value
CCV:	Carcass Value

	Trait	EBV Herd	EBVi Herd	EBV Breed
Prewrite Growth	Birth Weight	0.92	101	0.98
	Wean Weight	11.5	93	14.9
	Birth Mat.	-0.21	99	-0.28
	Milk (Wn.Mat.)	6.4	109	3.7
Postwean Growth	Postwean Wt	32	109	25
	Mature Weight	27	103	22
	ADG	108	108	79
	VeldGrowth	56	108	35
	FCR	-47	106	-37
Fertility	Scrotal Circumf.	19	111	13
	Heifer Fertility	-11.3	104	-9.1
	Cow Fertility	0.76	93	-0.56
	Longevity	28.7	95	31.8
Frame	Height	-5.2	97	-3.1
	Length	19.1	106	13.6
Carcass	EMA	1.279	106	0.683
	Fat	-0.982	93	0.055
	Marbling	-0.120	99	-0.056

Selection Value	Ave. Herd
Calving Ease	100
Calf Growth	93
Milk	109
Maintenance	96
Fertility	97
Cow Value	105
Weaner Calf Value	110
Growth Value	109
Production Value	106
Carcass Value	108

- 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?:

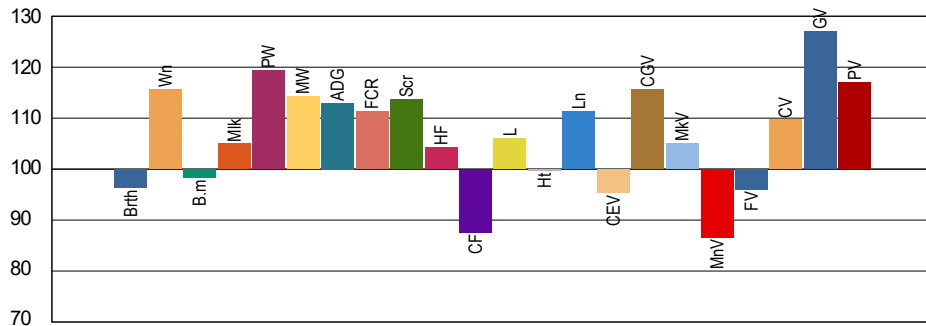
Calving ease:	Smaller calf at birth - easier calving
Calf growth:	Heavier calves at wean due to growth potential of the calf
Milk:	Cows with more milk and better mothering ability
Maintenance:	Animals with low maintenance requirements (lower mature weight).
Fertility:	Cows/daughters that calve earlier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

Genetic Windows

Bulls on the farm

Bulls born in 2023 and earlier

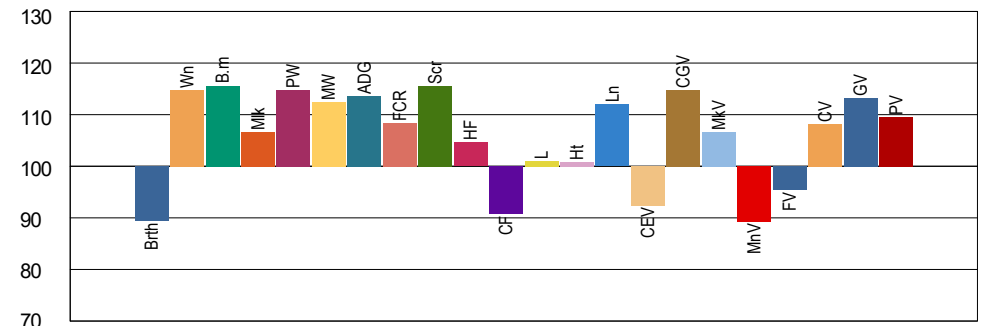
Total: 3



Cow Herd

Cows born in 2024 and earlier

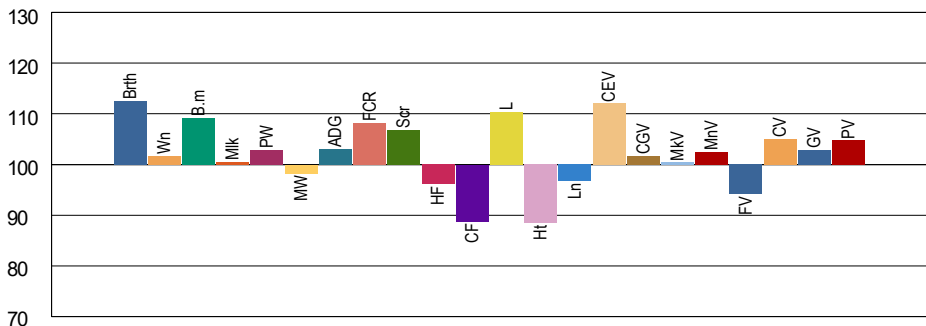
Total: 5



Sires of young animals

Sires of animals 3 years and younger

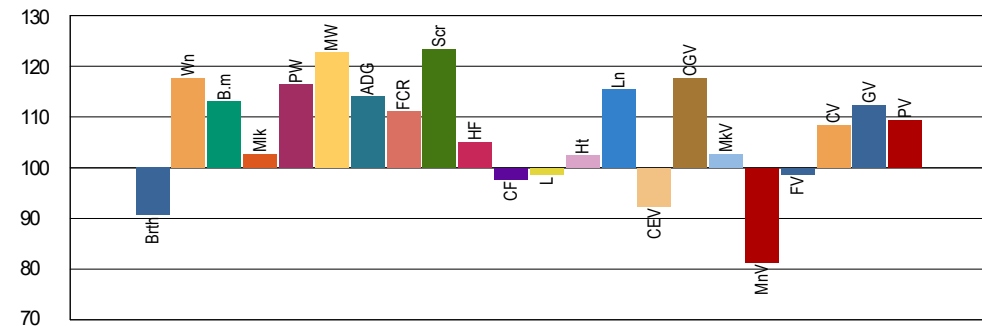
Total: 5



Cows older than 6 years

Cows born in 2020 and earlier

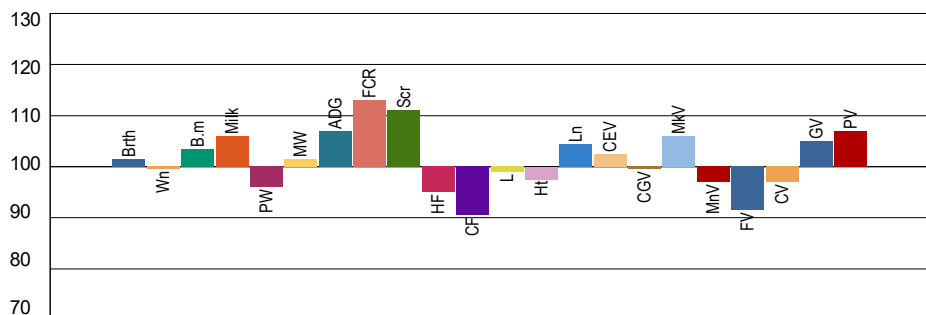
Total: 3



Bull calves

Bulls born in 2025

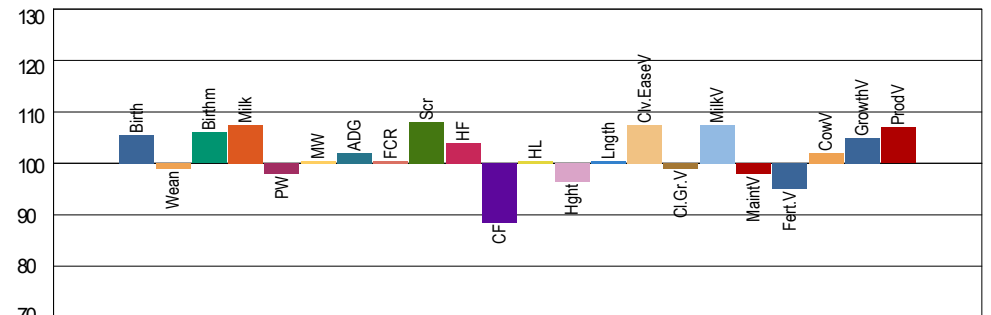
Total: 2



Heifer calves

Heifers born in 2025

Total: 2

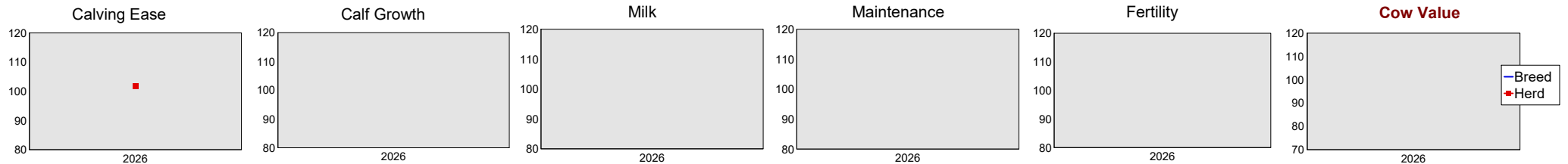


Summary of Cow Herd

			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	100	100	100	99	100	100	99	100	100	100	99	100	100	100	100	100	100	100	101	100
2009	1	★★★★	99	106	88	91	90	90	113	93	96	106	111	88	108	110	114	118	113	101	93	89	93	108	
2013	1	★★★★☆	83	124	129	63	108	123	123	125	83	124	97	129	127	147	121	116	129	115	104	100	114	130	
2015	1	★★★★	95	123	91	90	98	112	101	110	93	123	131	91	114	111	107	99	128	99	96	107	100	108	
2016	2		109	76	121	96					108	76	104	121		102									
2017	2		90	81	125	96					95	81	84	125		102									
2018	1		106	71	103	87					108	71	94	103		113									
2019	4		98	77	117	104					101	77	89	117		93						90			
2021	1		97	77	116						100	77	89	116											
2022	4	★★★★☆	91	111	113	101	91	108	115	110	90	111	107	113	113	97	113	105	104	104	81	102	99	107	
2023	4		106								107		98									96			
2024	6																								
2025	2	★★★★☆	108	99	108	98	95	102	105	107	106	99	106	108	98	101	102	101	108	104	89	101	97	101	
2026	9	★★★★☆	101	88	108	98	103	103	100	101	103	88	96	108	107	101	101	99	106	109	105	80	92	101	
Cows in Herd Average:			99	94	111	92	98	106	110	108	99	94	101	111	111	108	110	105	115	105	95	96	99	109	

Genetic Trends for On-Farm Traits

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



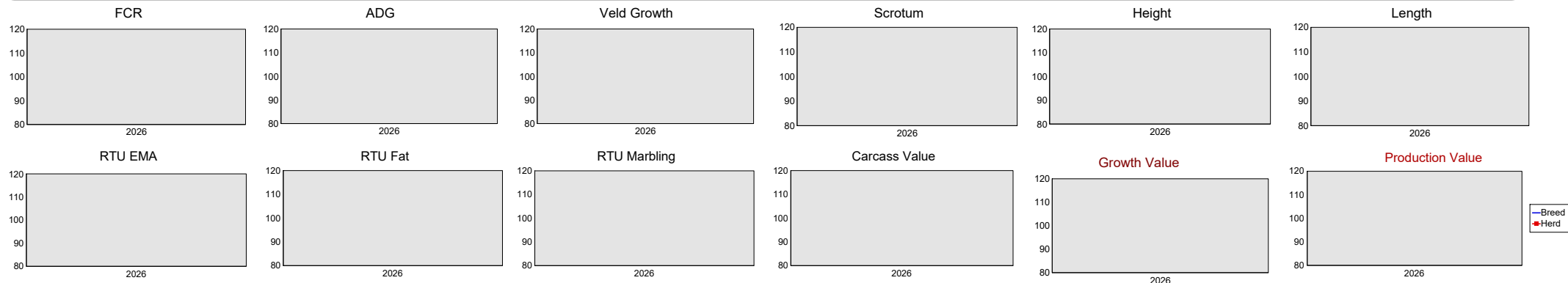
Herd

Birth Year	Calving Ease				Calf Growth			Milk		Maintenance				Fertility				Cow Value				
	Birth Weight		Dir	Mat	Calv. Ease	Weaning Weight		Calf Growth	Milk (Wn.Mat.)		Postwean Weight	Mature Weight		Maintenance	Heifer Fert.		Cow Fert.		Longevity		Ferti- lity	
	Number	EBV				Number	EBV		Number	EBV		Number	EBV		Number	EBV	Number		EBV	Number		EBV
2026	13	0.60	-0.01	102																		

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	Milk	Number	EBV	Number		EBV	Number	EBV	Number	EBV	Number			EBV	Number
2016	43617	1.05	-0.23	99	35930	13.3	97	35930	2.85	97	25541	22.8	6538	22	102	8135	-6.1	6285	-0.1	45540	22.9	92	90	
2017	45336	1.08	-0.23	99	37532	13.8	98	37532	3.03	98	26133	23.7	6680	22	101	8519	-6.4	6592	-0.1	46660	23.8	93	91	
2018	43028	1.06	-0.27	99	35840	13.9	98	35840	3.04	98	24987	23.8	6623	22	102	7937	-6.4	6328	-0.1	44031	24.5	93	92	
2019	43014	1.07	-0.28	99	35189	14.5	99	35189	3.04	98	24710	24.8	6812	23	101	8176	-6.8	6640	-0.1	43352	25.5	95	94	
2020	43065	1.04	-0.30	100	35848	14.6	99	35848	3.04	98	26199	24.9	7381	23	101	8576	-7.8	6880	-0.3	43333	26.4	97	95	
2021	43188	1.01	-0.32	100	35942	14.9	100	35942	3.09	98	26572	25.7	6849	23	101	8460	-7.8	5964	-0.3	40244	27.4	98	97	
2022	43262	0.99	-0.31	100	36541	15.2	100	36541	3.28	99	26872	26.2	5981	24	100	8283	-8.2	2919	-0.6	15061	27.5	99	98	
2023	44407	0.96	-0.32	100	37320	15.2	100	37320	3.39	99	26594	26.3	1929	23	100	4872	-9.2	139	-1.0			102	100	
2024	42942	0.89	-0.31	101	35829	15.3	101	35829	3.50	99	25736	26.4	7	26	100	297	-10.2					104	101	
2025	44477	0.89	-0.31	101	33314	15.6	101	33314	3.60	100	7717	28.2			98								102	
2026	15472	0.86	-0.27	101	1023	13.9	98	1023	4.09	101													99	

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			
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						
2017	659	-45	105	8459	77	99	16297	29	97	9041	11.6	98	8541	0	104	8457	14	101	3129	0.61	99	-0.38	97	-0.09	100	99	97	93	
2018	628	-41	103	8227	78	100	15438	30	97	8717	11.7	98	7978	-1	103	7980	14	101	2986	0.81	101	-0.47	97	-0.11	99	99	98	94	
2019	628	-44	104	8521	81	100	14895	31	98	8900	12.2	99	8361	-1	102	8364	15	101	3151	1.17	105	-0.38	97	-0.07	100	102	99	96	
2020	636	-47	106	8817	82	101	15919	32	98	9374	12.6	100	8824	-2	102	8827	15	101	4040	0.98	103	-0.15	99	-0.14	99	102	99	97	
2021	664	-43	104	8962	85	101	16263	33	99	9619	12.9	100	9225	-2	101	9224	15	101	3802	1.05	104	-0.07	99	-0.26	98	104	100	99	
2022	728	-46	105	8922	88	102	16338	34	99	9812	13.3	101	9649	-2	101	9652	15	102	4279	1.15	105	0.13	100	-0.06	100	105	101	101	
2023	763	-44	105	8756	90	103	16158	35	100	9664	13.7	102	9747	-3	100	9738	15	102	4124	1.23	106	0.19	101	-0.11	99	106	102	102	
2024	819	-45	105	8610	91	103	15494	36	100	9152	14.0	102	9273	-3	100	9184	15	102	4523	1.21	105	0.20	101	0.04	101	107	102	103	
2025	363	-46	106	2908	102	106	4501	36	100	2815	15.1	104	3087	-2	101	3050	17	104	1816	1.24	106	0.47	103	-0.01	101	109	105	106	
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	Weaner Calf V	Growth Value	Prod. Value	Carcass V	Cow wt brth	Birth wt	Cow-Calf birth	Cow wt wean	Wean wt	Wean mat	Cow-Calf wn	Post wn wt	ADG	Veld growth	FCR	Skin Thckn	Scrotum	Heifer Fert	Cow Fert.	Longevity	Height	Length	EMA	Fat	Marbling	Nr measured		
ID																																		Comp.nr	Birth	Wean
																																		Grwth Test	Dght & clvs (Weaned)	
EHE 200120		EHE 160017	130	75	110	124	85	93	90	96	92	93	77	139	117	80	75	110	96	72	103	96	128	89	97	75	96	98	92	88	77	143	144	64	62	
90526310		EHE 160176	95	95	90	90	89	85	93	92	86	92	-8	-3.15	-3.9	-8	1.5	6.8	63	0.3	89	26	-83	-0.31	11.3	5.2	0.2	30.4	-10	2.9	-1.66	6.91	3.65	17		
GCS 210005	JOY 170128	GCS 180026	104	106	105	84	97	103	104			97	114	107	105	118	106	105	100	104	95	94	99	94	103	98	98	100	104	99	103	86	98	1	1	
91721027		68	70	53	47	39	54	64			12	43	0.27	-2.3	48	18.0	5.2	73	28.8	62	22	-35	0.01	14.3	-7.8	-0.2	31.6	0	12.6	1.01	-2.19	-0.24				
			28	73	56	47	70	53	57	70	23	21	9	29	29	40	22	54	29	40	22	54														
JOY 170128	JOY 130002	JOY 090037	126	99	122	84	114	125	111	92	120	94	115	129	113	116	99	122	108	101	95	99	100	102	108	124	107	98	100	95	91	83	98	90	86	
86431822		91	94	80	60	59	74	87	20	63	18	44	-2.09	-3.4	46	14.4	10.5	94	25.5	60	33	-37	0.46	17.3	-22.5	-1.8	30.5	-3	9.0	-0.21	-2.56	-0.19				
			45	95	77	60	94	80	78	92	29	34	10	40	38	64	34	80	37	34															12	24
JRP 110073	LAR 060015	JRP 070008	92	123	49	103	107	98	102	82	93	104	100	90	117	98	123	49	79	111	87	93	80	74	118	106	108	102	74	89	111	100	73	118	109	
73959090		96	96	92	90	72	83	94	62	79	68	24	2.02	-3.9	19	27.2	-12.0	21	34.7	32	20	-3	-1.13	23.3	-12.5	-2.0	33.1	-24	4.3	1.78	0.05	-2.34	24	29	128	
			72	97	92	90	96	92	93	90	96	92	93	90	96	92	93	90	96	92	93	36	92													
LAR 040287	LAR 020101	LAR 000299	85	115	114	92	74	98	117	115	101	121	102	84	96	107	115	114	122	116	119	93	122	97	120	102	63	94	93	121	100	111	83	181	163	
49364169		97	97	95	93	83	86	96	68	82	79	27	2.65	-1.0	32	23.1	8.0	125	39.4	151	18	-73	0.18	24.6	-10.4	6.1	28.0	-8	32.3	0.65	1.82	-1.46	64	44	191	
			90	98	95	93	90	96	92	93	90	96	92	93	90	96	92	93	90	96	92	93	36	92												
LAR 100416	LAR 080054	LAR 020226	89	122	117	84	92	117	128	132	121	126	112	85	109	116	122	117	124	127	129	129	123	88	129	109	82	106	92	121	121	86	100	39	36	
71692404		89	90	79	72	61	74	86	54	70	42	40	2.54	-2.8	45	26.5	9.0	132	49.3	190	106	-74	-0.35	30.0	-14.4	2.7	35.2	-10	32.4	2.74	-2.19	-0.06	7	37		
			58	92	80	93	90	96	92	93	90	96	92	93	90	96	92	93	90	96	92	93	36	92												
LAR 180016		LAR 140173	101	130	106	94	101	134	139	137	138	136	113	102	102	105	130	106	129	133	127	110	126	76	120	133	70	112	100	120	147	102	95	84	78	
86917911		LAR 020180	97	97	95	95	94	88	96	94	89	94	41	0.79	-1.9	29	30.8	5.4	144	54.3	180	60	-79	-1.02	24.5	-28.2	4.7	39.1	-3	31.8	5.42	0.38	-0.49	36	22	32
			94	97	95	95	94	88	96	94	89	94	94	97	96	95	97	96	95	97	95	93	93	97	96	94	92	95	96	95	94	94	94			
LAR 190319		LAR 140106	94	125	97	90	95	115	124	118	117	128	119	91	119	110	125	97	114	132	115	134	111	133	113	93	90	114	93	122	122	103	104	245	162	
89666127		LAR 100159	98	98	95	95	95	89	97	95	90	96	50	1.93	-4.1	37	28.2	2.8	108	53.9	134	118	-55	2.13	20.5	-5.0	1.3	40.5	-9	33.3	2.85	0.47	0.27	32	4	4
			95	99	96	95	95	96	95	96	95	96	95	98	95	96	95	96	97	96	95	94	97													
LAR 210039	LAR 180075	LAR 180333	114	102	100	105	90	105	108	97	103	93	98	111	112	93	102	100	106	105	103	134	110	82	121	108	75	111	80	90	107	85	93	56	38	
92396225		84	88	56	50	41	63	77	46	60	36	21	-0.14	-3.2	12	16.1	3.7	87	29.7	90	118	-54	-0.68	25.6	-13.9	3.8	38.5	-19	5.1	1.39	-2.28	-0.63	2			
			37	93	64	50	88	56	65	70	63	23	22	78	75	40	25	58	72	65																
LAR 210400	LAR 170292	LAR 130049	118	100	90	109	104	109	104	100	107	93	92	114	115	90	100	90	97	101	99	98	93	97	100	107	85	129	73	85	120	75	105	131	98	
92886324		90	95	69	60	47	70	85	52	66	58	12	-0.47	-3.6	7	15.0	0.7	66	26.0	74	31	-25	0.14	12.7	-13.3	2.1	49.4	-25	0.5	2.70	-3.84	0.37	4			
			42	97	73	60	95	69	75	70	70	25	28	82	79	51	29	62	77	71																
LFR 150032		HJL 120124	91	102	95	108	85	89	100	118	93	109	96	87	109	90	102	95	104	110	113	112	97	81	88	102	74	101	91	95	95	95	90	229	187	
81564882		BEI 070040	98	98	97	96	95	89	98	96	90	95	19	2.30	-2.8	8	16.2	2.3	82	34.0	129	64	-32	-0.75	5.4	-10.1	4.1	32.7	-10	9.3	0.14	-0.77	-0.91	49	37	83
			95	99	97	96	98	96	90	95	95	99	97	96	98	97	97	97	98	96	95	94	97													

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	Veld Growth	Growth Value	EMA Eye muscle Area	Fat	Marbling	Carcass Value
Test Station		ID	Dam ID																
202201 D11 M UP GEORGE FARMS CC		0512088BON	LAR 180016 LAR 180212		111	115	106	92	123	107	97	115	117	106	122	124	93	93	118
		LAR 210065		109															
		92396365		57															
202402 D11 M UP GEORGE FARMS CC		0512088BON	LAR 190319 LAR 200364		130	139	129	103	138	131	74	129	118	122	132	122	96	105	134
		LAR 230151		117															
		96124151		53															

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
				EBV Acc																															
GCS 210005	91721027	1	JOY 170128		104	106	105	84	97	103	104			97	114	107	105	118	106	105	100	104	95	94	99	94	103	98	98	100	104	99	103	86	98
			GCS 180026		68	70	53	47	39	54	64			12	43	0.27	-2.3	48	18.0	5.2	73	28.8	62	22	-35	0.0	14.3	-7.8	-0.2	31.6	0	13	1.01	-2.19	-0.24
															28	73	56	47	70	53	57	70	23	21	9	29	29	40	22	54	27	25	12	13	12
LAR 210065	92396365	6	LAR 180016		92	111	103	94	105	109	108	122	112	118	107	97	89	105	111	103	110	117	115	106	117	102	107	127	82	109	92	106	124	93	93
			LAR 180212		71	72	58	56	42	57	67	50	56	38	33	1.33	-0.1	29	20.6	4.7	97	39.9	134	51	-65	0.5	16.8	-24.6	2.6	37.2	-9	19	3.10	-1.02	-0.68
															41	76	62	56	72	58	62	64	61	27	33	76	72	45	28	53	70	62	37	38	36
LAR 230151	96124151	6	LAR 190319		90	130	107	82	86	117	135	132	122	134	129	85	114	120	130	107	121	137	129	122	118	103	131	88	83	109	103	129	122	96	105
			LAR 200364		68	69	50	50	36	53	63	46	52	46	62	2.55	-3.4	52	31.3	5.8	124	57.6	188	89	-66	0.5	31.2	-2.3	2.4	37.0	-1	40	2.92	-0.63	0.37
															38	74	57	50	69	50	56	64	61	42	24	76	72	39	22	48	70	63	44	47	44
BLU 250011	98661697	5	LAR 210039		101	110	93	93	90	99	107	109	101	108	109	98	111	107	110	93	99	111	112	114	116	89	120	102	84	104	91	106	108	94	93
			LAR 090262		68	68	51	39	36	51	61	30	47	28	36	1.20	-3.0	33	20.5	1.4	72	34.8	125	69	-63	-0.3	24.9	-10.1	2.3	34.2	-10	19	1.47	-0.91	-0.61
															34	73	54	39	68	51	53	51	42	18	17	48	47	35	24	48	46	42	28	29	28
BLU 250026	99224735		EHE 200120		104	89	119	101	93	95	94	97	94	102	95	105	97	96	89	119	108	81	102	91	110	95	102	88	97	94	104	103	92	120	125
			BLU 170002		62	61	39	41	23	44	55	38	43	40	17	0.43	-1.2	17	9.1	9.6	93	7.6	88	14	-52	0.1	13.9	-2.4	0.0	28.1	0	16	-0.11	3.16	2.02
															28	68	49	41	61	39	47	41	39	6	33	45	43	22	12	34	43	40	39	42	39
BLU 260001	6020168016	3	LAR 210400		107	112	90	99	101	111	112	101	109	101	103	103	119	100	112	90	103	108	103	100	96	86	114	103	90	118	86	97	115	84	98
			LAR 150420		60	62	54	49	36	49	59	34	46	36	27	0.62	-4.2	22	21.2	0.8	79	31.8	89	37	-30	-0.5	21.1	-10.8	1.1	42.7	-14	11	2.14	-2.42	-0.22
															31	63	54	49	62	54	55	53	46	17	18	54	52	38	23	46	51	46	34	37	34
BLU 260010	6020669955		BLU 170004		99	79	109	101								102	92	97	79	109	90														
					52	13	20	30								0.72	-0.5	18	3.9	6.4	48														
															60	37	30	13	20	21															
BLU 260011	6020669963		BLU 180004		106	76	101	97								108	101	101	76	101	78														
					52	13	20	30								0.16	-1.7	24	2.1	4.0	20														
															60	37	30	13	20	21															
BLU 260016	6020696321		BLU 220021		84											88																			
					51											2.26	60																		
BLU 260023	6020726656		BLU 190022		101	77	97	110								103	90	89	77	97	80									71					
					50	13	20	30								0.69	-0.2	6	2.7	2.7	25									14.5					
															57	36	30	13	20	21									15						
BLU 260030	6020766439		DF 220012		95	97	107	101	100	97	98	90	94	91	99	93	100	97	97	107	106									77					
					31	31	29	28	23	26	30	22	25	24	22	1.68	-1.5	17	13.5	6.0	87									18.0					
															25	32	30	28	31	29	29								31						
BLU 260031	6020766447		BLU 230009		120											120														75					
					48											-1.14	56													16.6					
																													7						

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 Thickn	Scrotum	Heifer Fert	Cow Fert.	Longevity	Height	Length	EMA	Fat	Marbling	
			Sire ID Dam ID																																
LAR 090262 69266716	3	LAR 040287 LAR 050327		99 85	106 80	88 83	91 59	90 57	90 68	97 79	113 40	93 62	109 44	108 34 57	96 1.37 85	110 -2.9 76	110 37 59	106 18.0 80	88 -0.1 83	90 49 74	108 32.2 74	114 131 54	101 39 28	118 -67 26	93 0.0 57	113 20.4 56	101 -9.4 58	93 0.7 41	89 25.2 73	93 -9 56	108 21 55	96 0.32 43	103 0.51 46	93 -0.67 44	
LAR 130343 78494556		LAR 100416 LAR 990321		83 83	124 81	129 85	63 76	108 52	123 70	134 81	123 46	125 65	131 26	141 79 40	83 2.73 83	108 -2.6 80	147 91 76	124 27.9 81	129 12.7 85	118 118 81	127 48.6 78	121 159 64	126 99 23	116 -63 22	111 1.0 75	129 30.1 73	115 -17.4 54	104 -1.3 34	100 32.0 69	114 8 71	130 40 65	117 2.38 25	104 0.72 28	106 0.46 25	
LAR 150420 83000372	3	JRP 110073 JL 110396		95 81	123 79	91 83	90 78	98 53	112 69	119 80	101 42	110 64	109 38	114 42 45	93 1.71 82	123 -4.7 80	111 38 78	123 27.3 79	91 0.9 83	107 91 80	114 37.6 78	107 104 59	103 42 24	99 -35 22	75 -1.1 69	128 29.5 67	99 -8.3 57	96 0.2 34	107 35.9 68	100 -3 65	108 21 60	109 1.58 38	93 -0.99 39	91 -0.81 38	
BLU 160002 97922520				113 38	75 26	122 40	88 59							111 -0.14 37	116 -3.8 46	110 37 59	75 1.7 26	122 10.3 40	90 50 42																
BLU 160006 97922538				105 30	76 26	120 40	103 59							105 0.41 29	99 -1.5 40	94 14 59	76 2.2 26	120 9.7 40	97 67 42																
BLU 170002 97922546				88 39	83 26	131 40	98 59							93 1.73 38	83 0.7 47	99 20 59	83 5.6 26	131 13.1 40	111 99 42																
BLU 170004 97922553				91 39	79 26	119 40	93 59							96 1.37 38	88 0.0 47	105 29 59	79 3.6 26	119 9.6 40	94 59 42																
BLU 180004 97922561				106 39	71 26	103 40	87 59							108 0.14 38	106 -2.4 47	113 41 59	71 -0.3 26	103 4.8 40	72 5 42																
BLU 190001 97922579				96 39	78 26	119 40	105 59							99 1.07 38	86 0.3 47	92 11 59	78 3.1 26	119 9.6 40	100 73 42								90 25.6 30								
BLU 190004 97922587				93 30	84 26	139 40	97 59							95 1.47 29	91 -0.4 40	99 21 59	84 6.3 26	139 15.5 40	118 117 42								90 25.6 26								
BLU 190007 97922595				97 35										100 0.97 33														89 25.1 30							
BLU 190022 97922603				104 38	69 26	94 40	110 59							108 0.18 37	90 -0.2 46	89 6 59	69 -1.6 26	94 1.8 40	70 0 42								89 25.3 30								

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		
			Sire ID Dam ID																																	
BLU 210011 97922611				97 35	77 20	116 36								100 0.93 33			77 2.5 20	116 8.7 36																		
BLU 220021 97922785				89 26										95 1.49 25														97 30.3 6								
DF	220012	1	LFR 150032 LAR 110101	87 63	113 62	116 59	94 55	88 46	106 53	118 61	115 42	108 51	109 46	107 33	81 2.92	105 -2.2	104 28	113 21.8	116 8.7	123 130	114 37.3	113 130	110 60	105 -45	88 -0.3	102 13.8	104 -11.5	78 3.3	101 32.3	104 0	110 23	107 1.34	77 -3.62	96 -0.38		
DF	220059	1	LFR 150032 LAR 130288	98 73	108 65	109 66	108 69	93 43	110 58	117 67	114 38	112 54	109 40	92 13	94 1.63	109 -2.9	90 7	108 19.2	109 6.5	122 126 67	111 34.9	113 127	109 58	104 -43	80 -0.8	106 16.6	104 -11.3	83 2.5	108 36.9	93 -9	104 17	101 0.83	96 -0.64	96 -0.43		
BLU 230003 97922645				105 26										106 0.36 25														96 29.5 14								
BLU 230009 97922652				112 24										111 -0.16 23														96 29.5 14								
BLU 230016 97922686				100 26										103 0.69 25														96 29.5 14								
BLU	250013	2	LAR 210039 DF 220059	107 66	106 68	104 44	105 43	91 30	108 49	113 60	105 30	107 45	99 27	97 19	102 0.80	111 -3.1	93 12	106 18.0	104 5.0	113 105	109 32.6	107 106	122 90	107 -48	81 -0.7	113 20.7	107 -12.9	79 3.2	107 36.3	85 -15	96 10	102 0.92	90 -1.45	94 -0.55		
BLU	250034		GCS 210005 BLU 160006	108 55	92 57	111 34	91 38	99 20	96 40	92 50			99 6	105 31	109 0.03	105 -2.2	108 33	92 10.6	111 7.0	98 68	87 13.1	97 68	92 16	94 -27	98 0.2	103 14.6	101 -9.4	98 -0.2	94 28.4	108 3	105 18	101 0.75	90 -1.52	99 -0.12		
BLU	260002	3	LAR 210400 LAR 130343	100 61	112 62	110 55	83 48	106 35	115 49	115 59	111 34	115 46	112 32	117 46	99 1.13	111 -3.0	118 49	112 21.5	110 6.7	109 95	114 37.3	110 117	112 65	105 -44	104 0.5	114 21.4	111 -15.3	94 0.4	115 40.7	93 -8	108 20	119 2.54	90 -1.56	106 0.41		
BLU	260003		BLU 230016	102 51										104 0.61 60														75 16.6 7								
BLU	260004		BLU 210011	95 52	82 10	108 18								98 1.23 60			82 5.2 10	108 6.2 18																		

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 Thckn	Scrotum	Heifer Fert	Cow Fert.	Longevity	Height	Length	EMA	Fat	Marbling
			Sire ID Dam ID																															
BLU 260005 6020659543		BLU 190007		105 52										108 0.15 60													71 14.4 16							
BLU 260006 6020659550		BLU 230003		109 51										110 -0.07 60													75 16.6 7							
BLU 260014 6020696305		BLU 190001		103 52	78 13	109 20	107 30							105 0.45 60	91 -0.4 37		91 8 30	78 3.4 13	109 6.3 20	92 53 21						71 14.6 15								
BLU 260015 6020696313		BLU 170002		98 52	81 13	114 20	103 30							101 0.84 60	89 -0.1 37		94 13 30	81 4.8 13	114 8.1 20	98 68 21														
BLU 260025 6020726664		LAR 090262		88 59	100 40	94 42	99 30	100 28	90 37	91 42	89 20	87 34	91 22	100 23 28	87 2.32 64	96 -1.0 45	100 21 30	100 15.0 40	94 2.0 42	96 62 37	99 23.7 37	92 49 27	96 27 14	93 -24 13	93 -0.1 28	98 11.5 28	107 -13.3 29	115 -3.1 20	71 14.4 36	91 -10 28	94 9 27	84 -0.88 22	95 -0.81 23	97 -0.32 22
BLU 260026 6020726672		BLU 160002		113 50	76 13	110 20	98 30							113 -0.38 57	109 -2.7 36		100 22 30	76 2.2 13	110 6.6 20	86 39 21														

Selection List on Cow Value

Bulls 2 years and older

ID Sorted on ID		Name	Sire ID	Dam ID	Visual Score % Inbreeding	Horned / Polled	Myostatin Q204X nt821 F94L			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	LAR 230151	LAR230151	LAR 190319	LAR 200364	8	6.1	0	0	0	9068	13069	10750	8250	8636	11753	13563	13246	12252	13446	
										★★★★☆										
1	GCS 210005	GCS 210005	JOY 170128	GCS 180026	7	0.8	0	0	0	10468	10670	10553	8447	9739	10354	10464			9712	
2	LAR 210065	LAR210065	LAR 180016	LAR 180212	7	6.1	0	0	0	9271	11172	10358	9456	10542	10957	10867	12250	11256	11838	

Selection List on Cow Value

Cows 2 years and older

ID Sorted on ID		Name	Sire ID	Dam ID	Visual Score % Inbreeding	Horned / Polled	Myostatin Q204X nt821 F94L			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
							Italics: DNA Test													
											★★★★★									
1	LAR 130343	LAR 130343	LAR 100416	LAR 990321	7	0.4					8383	12481	12985	6376	10852	12370	13481	12346	12565	13126
											★★★★★									
1	DF 220059	DF 220059	LFR 150032	LAR 130288	7	0.9					9873	10865	10966	10869	9343	11058	11767	11438	11254	10940
2	LAR 150420	LAR150420	JRP 110073	JL 110396	7	3.4	0	0			9581	12379	9183	9078	9853	11269	11980	10142	11064	10938
											★★★★★									
1	DF 220012	DF 220012	LFR 150032	LAR 110101	6	0.8					8763	11362	11659	9455	8846	10653	11861	11542	10851	10946
											★★★★									
1	LAR 090262	LAR 090262	LAR 040287	LAR 050327	7	3.3					9985	10680	8883	9159	9057	9068	9779	11340	9362	10944

Selection List on Cow Value

Bull calves younger than 2 years

ID		Name	Sire ID	Dam ID	Visual Score	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					% Inbreeding		Q204X	ni821	F94L	Genomic test	Acc	Acc	Acc	Acc	Acc	Acc	Acc	Acc	Acc											
					<i>Italics: DNA Test</i>																									
										★★★★★																				
1	BLU 260001	BLU 260001	LAR 210400	LAR 150420	2.9		0	0	0		107	60	112	62	90	54	99	49	101	36	111	49	112	59	101	34	109	46	101	36
										★★★★★																				
1	BLU 250011	BLU 250011	LAR 210039	LAR 090262	5.0		0	0	0		101	68	110	68	93	51	93	39	90	36	99	51	107	61	109	30	101	47	108	28
2	BLU 250026	BLU 250026	EHE 200120	BLU 170002	0.0		0	0	0		104	62	89	61	119	39	101	41	93	23	95	44	94	55	97	38	94	43	102	40
3	BLU 260030	BLU 260030		DF 220012	0.0						95	31	97	31	107	29	101	28	100	23	97	26	98	30	90	22	94	25	91	24

Selection List on Cow Value

Heifers younger than 2 years

ID Sorted on ID		Name	Sire ID	Dam ID	Visual Score	% Inbreeding	Horned / Polled	Myostatin	Q204X	ni821	F94L	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
													Acc	Acc	Acc	Acc	Acc	Acc	Acc	Acc	Acc	Acc
													★★★★★									
1	BLU 260002	BLU 260002	LAR 210400	LAR 130343	2.5			0	0	0			10061	11262	11055	8348	10635	11549	11559	11134	11546	11232
													★★★★☆									
1	BLU 250013	BLU 250013	LAR 210039	DF 220059	2.3			0	0	0			10766	10668	10444	10543	9130	10849	11360	10530	10745	9927
													★★★									
1	BLU 250034	BLU 250034	GCS 210005	BLU 160006	0.0			0	0	0			10855	9257	11134	9138	9920	9640	9250			996
2	BLU 260025	BLU 260025		LAR 090262	0.0								8859	10040	9442	9930	10028	9037	9142	8920	8734	9122

