

HEREFORD

GENOMIC BREEDING VALUE REPORT

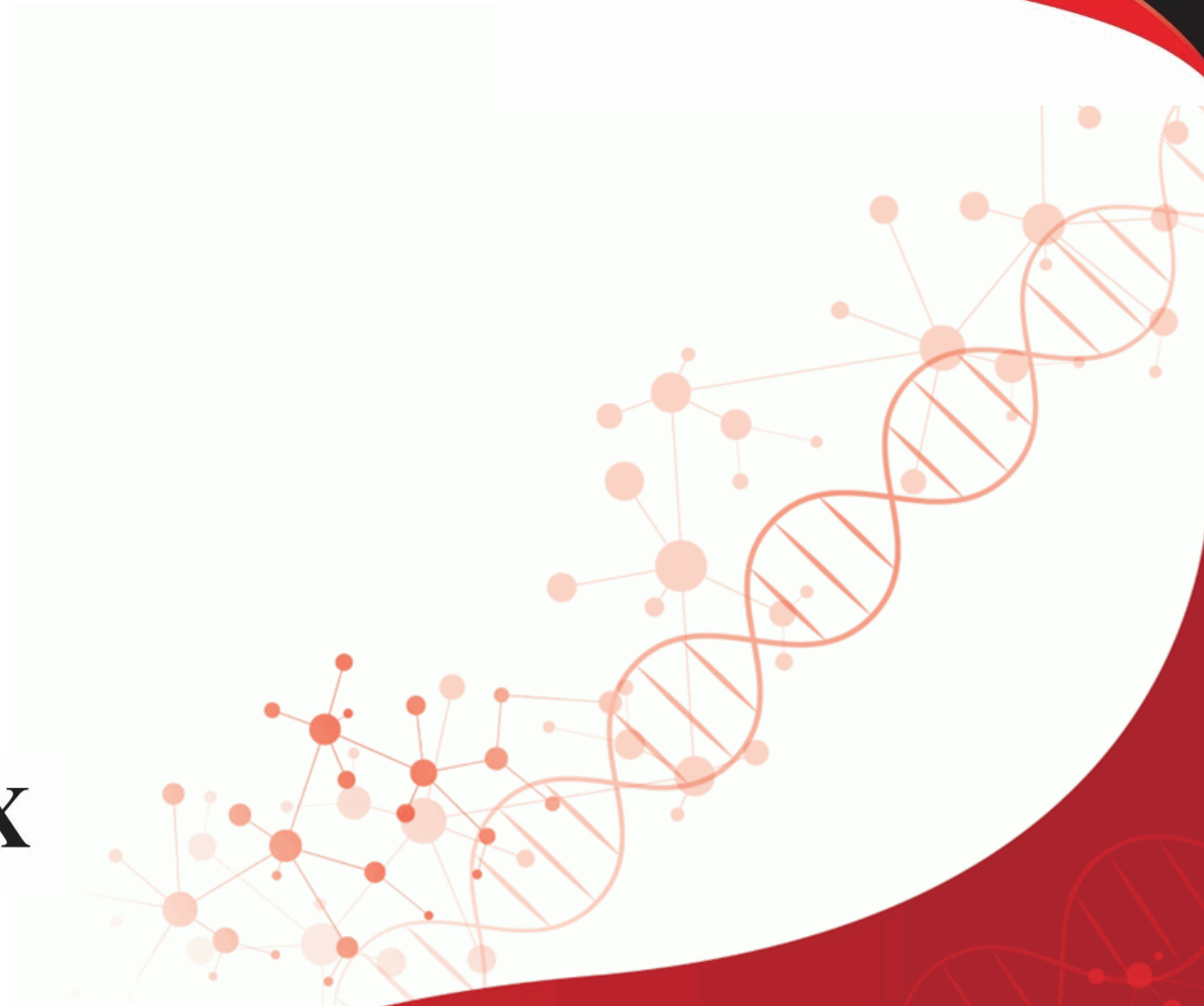
September 2026



EDE FARMING

Herd Number: 596703

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EBVs, EBVi's and GEBVs

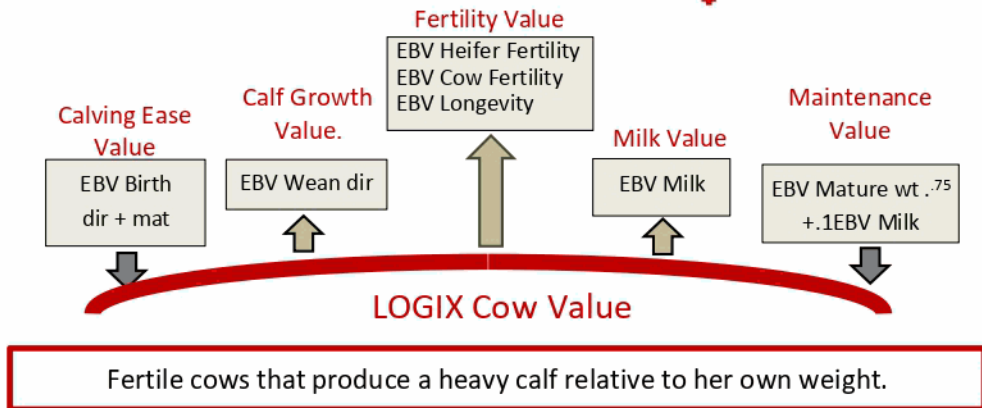
EBVi (Breeding Value Index): Genetic potential relative to the average (100) of the live (active) animals in the breed. Roughly 50% of the animals have values between 90 and 110. Values above 100, depending on the trait, tend to be in the more favourable direction.

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.

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 environments.

GROWERS

(GOOD ENVIRONMENT)

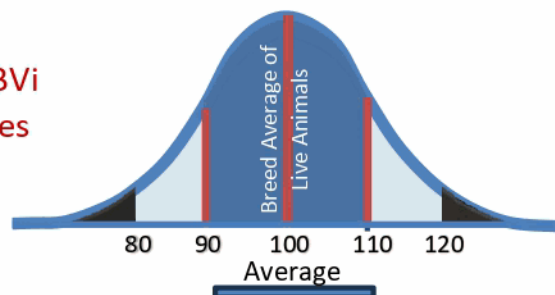
- WeanerCalf / Growth Value > 120
 - Cow Value and Fertility Value average to high
- Growers are usually heavier at birth (lower Calving Ease Value), and maturity (lower Maintenance Value).

LOW- MAINTENANCE ANIMALS

(HARSH ENVIRONMENT)

- Maintenance Value >110
 - Cow Value and Fertility Value average to high
- Lighter cows have a lower maintenance.

Interpretation of EBVi and Selection Values

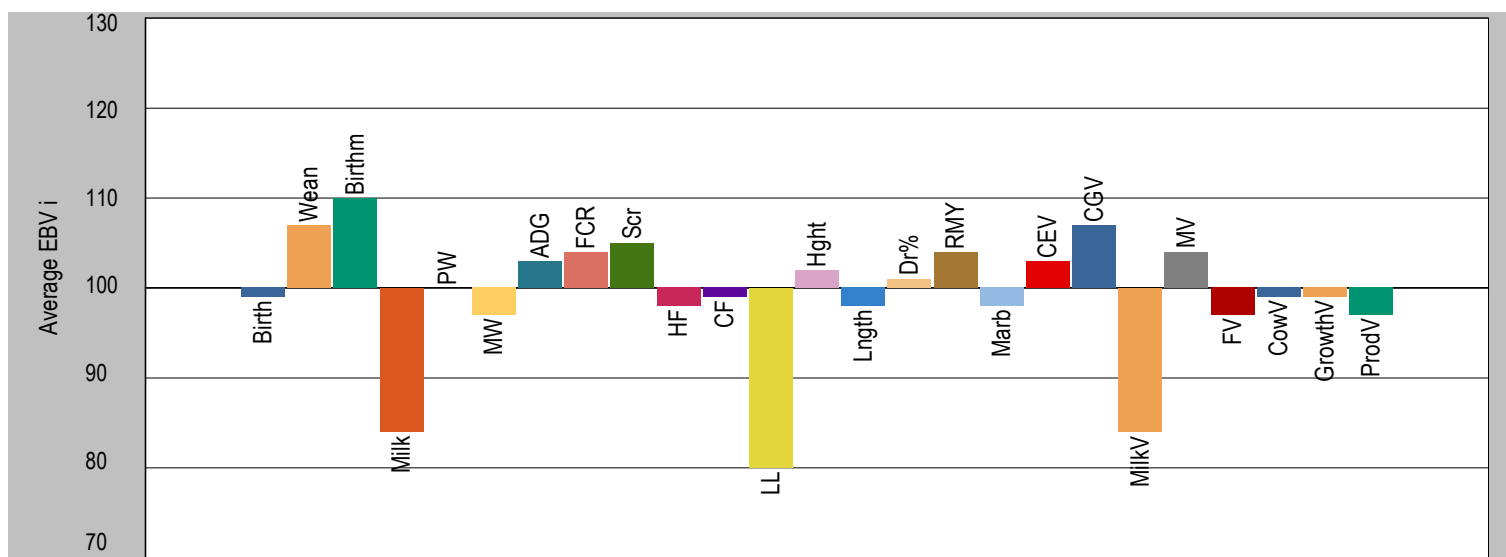


Examples

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



Breeding Values:

Birth:	Birth weight	Scr:	Scrotal circumf.
Wean:	Weaning weight	HF:	Heifer Fertility
Birthm:	Birth maternal	CF:	Cow Fertility
Milk:	Milk	LL:	Longevity
PW:	Post-wean weight	Hght:	Height
MW:	Mature weight	Lngth:	Length
ADG:	Average Daily Gain	Dr%:	Dressing%
FCR:	Feed Conversion Ratio	RMY:	Red Meat Yield
		Marb:	Marbling

Selection Values:

CEV:	Calving Ease Value
CGV:	Calf Growth Value
MilkV:	Milk Value
MV:	Maintenance Value
FV:	Fertility Value
CowV:	Cow Value (CV)
GrowthV:	Growth Value (GV)
ProdV:	Production Value (PV)

	Trait	EBV Herd	EBV Index	EBV Breed
Prewean Growth	Birth Weight	0.82	99	0.77
	Wean Weight	20.8	107	18.0
	Birth Mat.	0.16	110	0.57
	Milk (Wn.Mat.)	3.3	84	8.0
Postwean Growth	Postwean Wt	32.7	100	33.0
	Mature Weight	31	97	34
	ADG	145	103	133
	FCR	-80	104	-75
Fertility	Scrotal Circumf.	18.5	105	16.0
	Heifer Fertility	-4.2	98	-5.6
	Cow Fertility	-2.8	99	-2.9
	Longevity	27.2	80	36.2
Frame	Height	24	102	22
	Length	29	98	31
Carcass	Dressing%	0.11	101	0.10
	RedMeatYield	2.0	104	1.3
	Marbling	-0.39	98	-0.29

Selection Value	Ave. Herd
Calving Ease	103
Calf Growth	107
Milk	84
Maintenance	104
Fertility	97
Cow Value	99
Growth Value	99
Production Value	97

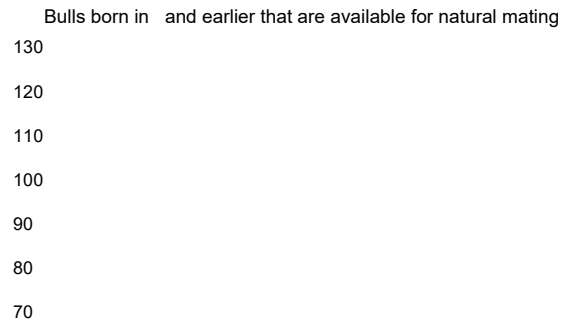
- Average of live animals in the breed: 100
- Above 100: **more favourable**,
- Below 100: **less favourable**

What does a sub-selection value above breed average (100) mean?:

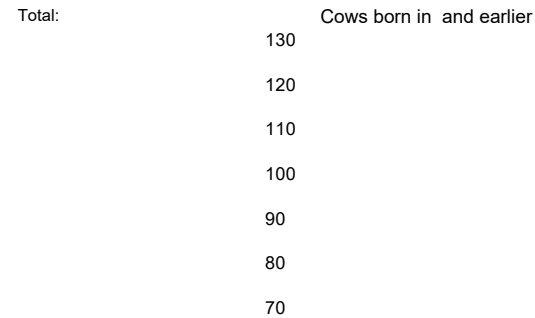
Calving ease:	Smaller calf at birth - easier calving
Calf growth:	Heavier calves at wean due to growth potential of the calf
Milk:	Cows with more milk and better mothering ability
Maintenance:	Animals with low maintenance requirements (lower mature weight).
Fertility:	Cows/daughters that calve

Genetic Windows

Bulls on the farm



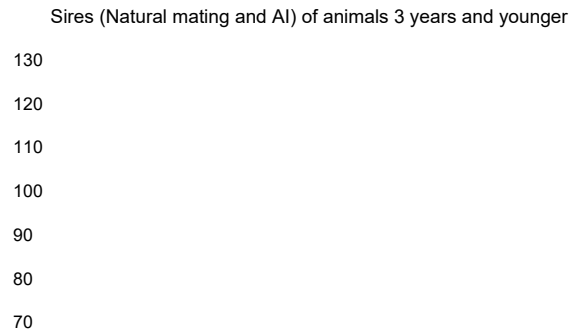
Animals available for breeding



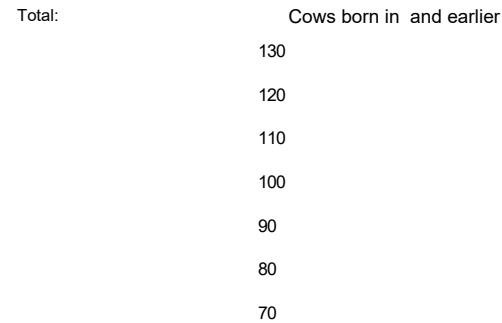
Cow Herd

Total:

Sires of young animals



Results of previous selection decisions

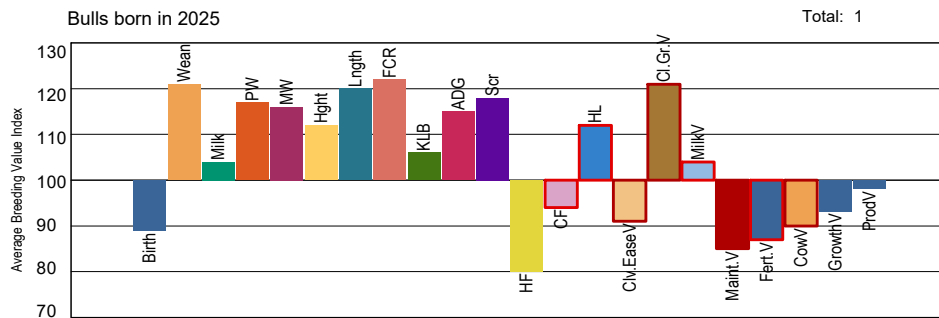


Cows older than 6 years

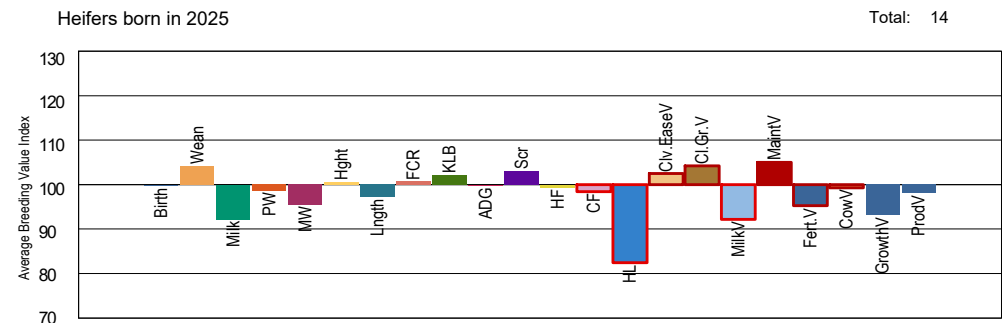
Total:

Selection possibilities

Bull calves



Heifer calves

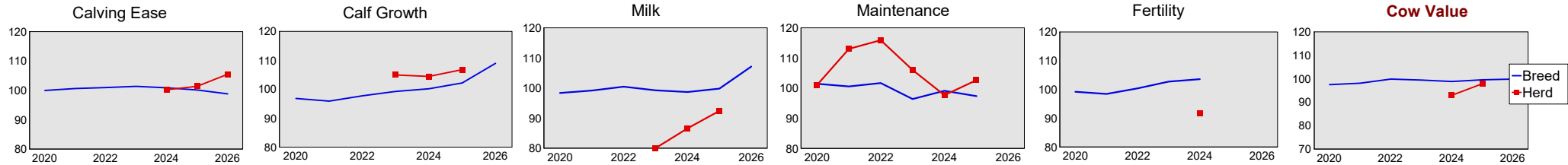


Summary of Cow Herd

			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	Kleiber	Scrotal Circumf.	Heifer Fertility	Cow Fertility	Longevity	Height	Length
Cows in Breed Average:			100	99	100	101	100	100	99	100	100	99	100	100	99	99	99	99	98	101	100	100	99	99
2014	1		112	97	45	148					101	97	145	45	81	66						33	88	78
2015	1		96	109	64	122					91	109	112	64	102	81						56		
2016	2		97	112	76	93					94	112	107	76	98	108			90			59		
2017	2		107	105	65	126					100	105	129	65	90	78						46	90	86
2018	2		96	101	41	152					89	101	132	41	90	65						60	80	71
2019	3		103	97	58	144					96	97	131	58	84	69						54	90	79
2020	4		99	109	73						94	109	115	73	95				93			49	98	92
2021	2		96	112	74						91	112	113	74	96							48		
2022	5	★★★★	98	104	92	99	93	93	100	93	98	104	102	92	100	101	96	96	95	92	97	95	99	97
2023	7	★★	100	110	66	104	92	79	96	79	99	110	103	66	101	99	108	118	114	88	100	83	107	93
2024	21	★★★★	104	109	84	100	97	96	100	94	98	109	117	84	103	101	100	100	103	99	100	76	99	99
2025	14	★★★★	103	104	92	105	95	99	93	98	100	104	108	92	99	96	100	102	103	99	98	82	101	97
2026	12	★★★★☆	107	104	102	97	101	107	103	102	107	104	100	102	100	103	109	108	107	104	97	101	112	108
Cows in Herd Average:			101	106	72	117	96	95	98	93	97	106	116	72	95	88	103	105	104	95	98	65	96	90

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.



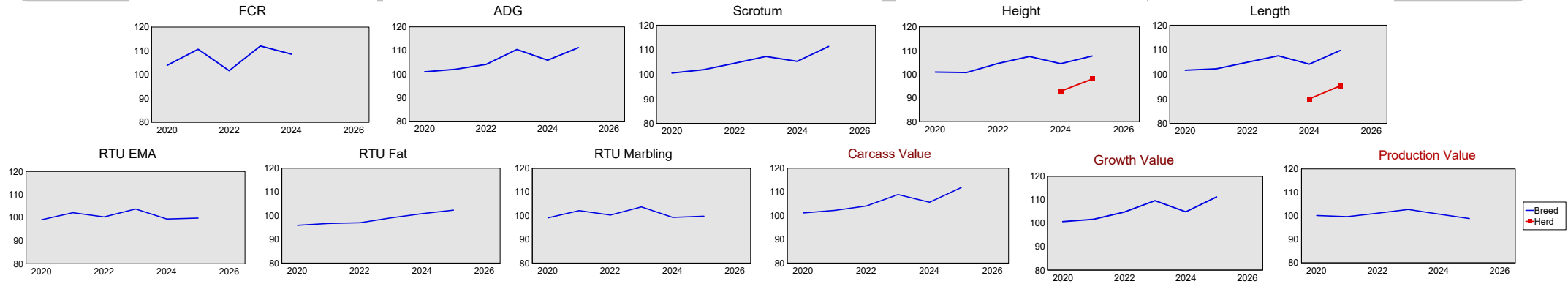
Herd

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		Mainte- nance	Heifer Fert.		Cow Fert.		Longevity		Ferti- lity	
	Number	Dir EBV			Number	EBV		Number	EBV		Number	EBV	Number	EBV		Number	EBV	Number	EBV	Number	EBV		
2020													2	33	101					2	23.7		
2021													2	21	113					2	8.7		
2022													8	19	116					8	29.4		
2023					11	20.1	105	11	-0.51	71	11	30.1	5	32	106								
2024	48	1.06	0.16	100	43	19.8	104	43	4.10	87	38	34.1			98	5	1.7					92	93
2025	37	0.80	0.35	101	34	20.8	107	34	5.73	92	26	33.1			103								
2026	32	0.45	0.51	105																			

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
2016	1782	0.81	0.42	101	985	14.3	91	985	6.12	94	448	28.0	250	28	105	395	-6.4	304	-2.1	1860	26.0	94	92
2017	1720	0.80	0.48	101	1155	14.8	93	1155	6.19	94	481	29.8	306	28	105	402	-5.9	313	-2.3	1792	27.4	95	93
2018	1744	0.77	0.45	101	1213	14.9	93	1213	6.14	94	553	29.2	278	29	104	417	-5.9	305	-2.1	1865	28.9	96	93
2019	1757	0.80	0.49	100	1239	15.7	95	1239	6.57	95	553	30.8	300	31	103	430	-5.3	325	-2.5	1826	30.2	96	95
2020	1742	0.79	0.55	100	1243	16.6	97	1243	7.48	98	519	32.3	246	33	101	394	-5.9	302	-3.1	1839	30.8	99	98
2021	1690	0.76	0.52	101	1171	16.2	96	1171	7.70	99	493	32.7	187	32	101	361	-5.2	246	-2.8	1674	31.0	98	98
2022	1795	0.71	0.53	101	1271	17.0	98	1271	8.08	100	520	33.5	198	30	102	356	-6.3	129	-3.0	1136	31.4	100	100
2023	1773	0.71	0.51	101	1235	17.7	99	1235	7.73	99	513	35.8	62	33	96	180	-6.4	37	-3.3			103	100
2024	1801	0.76	0.51	101	1081	18.1	100	1081	7.58	99	560	34.6	8	43	99	44	-5.7					104	99
2025	1633	0.80	0.54	100	854	18.9	102	854	7.90	100	177	38.9			97								100
2026	626	0.82	0.62	99	56	21.7	109	56	10.03	107													100

Genetic Trends for Growth Test Traits



Herd

Birth Year	Growth									Frame						Carcass						Selection Values			
	FCR			ADG			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	RTU Number	EBV	EBVi	EBV	EBVi	EBV	EBVi			
2020																									
2021																									
2022																									
2023																									
2024										6	18	93	6	21	90										
2025										9	21	98	9	26	95										
2026																									

Breed

Birth Year	Growth									Frame						Carcass						Selection Values			
	FCR			ADG			Scrotum			Height			Length			RTU Number	EMA		Fat		Marbling		Crasss Value	Growth Value	Prod Value
	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi		EBV	EBVi	EBV	EBVi	EBV	EBVi			
2017	37	-71	97	180	110	94	177	13.5	95	177	20	96	177	25	95	132	0.25	97	-0.71	93	-0.25	101	95	94	92
2018	97	-70	97	261	120	96	261	14.3	97	261	21	97	261	28	97	213	0.34	98	-0.63	94	-0.48	96	96	97	94
2019	59	-76	101	260	127	98	220	15.4	99	260	21	98	260	29	98	242	0.51	100	-0.63	94	-0.55	94	98	98	96
2020	45	-80	104	259	137	101	220	16.2	101	259	23	101	259	32	102	258	0.73	103	-0.44	96	-0.33	99	101	101	100
2021	49	-89	111	219	141	102	224	16.9	102	224	23	101	224	33	102	209	0.89	105	-0.36	97	-0.18	102	102	102	100
2022	56	-77	102	205	149	104	206	18.2	104	206	25	105	206	36	105	177	0.90	105	-0.33	97	-0.27	100	104	105	101
2023	8	-91	112	231	172	110	232	19.6	107	232	27	108	232	38	108	204	1.20	109	-0.14	99	-0.10	104	109	110	103
2024	3	-86	109	132	155	106	135	18.6	105	141	25	104	141	35	104	124	0.91	105	0.04	101	-0.32	99	106	105	101
2025				105	175	111	112	21.7	111	120	27	108	120	40	110	111	1.18	109	0.19	102	-0.29	100	112	111	99
2026																									

Sires

Bull				Selection Values						Calf		Dam		Growth				Fertility				Frame		Carcass			Measured Progeny			
ID	Index EBV Acc	Sire ID	Dam ID	Calv.	Calf	Milk	Maint.	Fertility	Cow	Growth	Prod	Birth	Wean	Birth	Wean	Post wn	Mature	ADG	FCR	Scrotal	Heifer	Cow	Long-evi	Height	Length	EMA	Fat	Marbling	Birth	Wean
				Ease	Grwth	Value	Value	Value	Value	Value	Dir	Dir	Mat.	Mat.	wt	weight							Fertility	Fertility	ty					
243K		Y02 D287	001A D81	114	95	136	91	118	122	122	125	123	95	75	136	97	106	118	102	109	126	95	130	129	119	120	68	67	24	6
BCC SUNRISE 243K				88	85	82	82	56	78	82	79	-0.96	16.0	1.60	18.3	30.9	40	202	-77	20.6	-23.3	-2.1	49.6	41	49	1.98	-3.23	-1.89		
												91	85	82	82	44	82	82	82	82	5	81	83	82	82	82	82	82		
BMH 200063		BMH 150112	BMH 160023	118	106	106	99	106	123	99	122	120	106	96	106	103	100	103	101	115	98	114	93	108	120	100	114	131	21	2
BM CANDO 16-23				78	74	54	43	42	58	59	58	-0.75	20.7	0.74	9.8	34.8	34	145	-77	23.6	-4.2	-5.1	33.2	27	50	0.47	1.30	1.20	2	
												89	74	53	54	61	43	70	41	77	43	25	58	79	76	72	67	65		
KRM 180027		M326R117	KRM 110092	126	89	118	111	105	128	91	125	129	89	94	118	80	87	85	85	118	90	118	102	104	94	118	88	103	63	62
RIBEYE 180027				87	94	75	56	59	73	54	69	-1.40	13.2	0.81	13.3	20.1	20	75	-55	24.8	1.6	-5.7	36.9	25	24	1.89	-1.18	-0.13	21	8
												95	94	69	75	76	56	85	19	90	67	35	75	90	89	86	83	82		11
KRM 230011		KRM 180027	KRM 170039	132	93	110	111	106	137	102	136	130	93	108	110	89	87	95	100	106	95	112	106	105	90	110	95	80	2	
ZONDO 230011				71	74	56	40	41	56	43	53	-1.42	15.0	0.26	10.9	26.0	21	115	-75	18.8	-2.2	-4.8	38.8	25	21	1.26	-0.53	-1.24		
												80	74	51	56	55	40	66	12	75	46	26	52	76	73	69	63	62		
PNP 180069		P43145081	PNP 120017	117	94	93	96	107	114			115	94	106	93	89	104	101	105	99	118	95	99	104	103	98	99	99	22	18
COOL CAT 18069				83	85	67	40	50	64			-0.34	15.3	0.31	6.0	25.8	38	139	-82	15.7	-17.7	-2.1	35.8	25	34	0.33	-0.11	-0.34		
												90	85	67	67	50	40	23	11	25	53	29	69	60	57	22	21	20	2	3
ZK 140100		ZK 080158	ZK 060089	114	86	113	103	107	116	90	114	115	86	99	113	84	95	96	104	95	114	104	83	97	94	94	79	88	59	37
HUNDRED140100				88	92	76	61	63	75	78	76	-0.32	12.0	0.60	11.8	22.7	29	118	-80	13.4	-14.9	-3.6	28.6	21	25	0.09	-2.13	-0.87	9	4
												95	92	74	76	78	61	73	77	79	67	41	81	85	83	74	70	69		14
ZK 150163		ZK 120026	ZK 110070	101	101	130	107	90	108	109	110	106	101	89	130	99	90	108	109	105	89	100	85	108	103	109	93	82	150	97
KICKBOXER 15163				95	96	90	82	76	86	89	87	0.30	18.4	1.00	16.5	32.1	23	163	-87	18.3	2.3	-3.0	29.3	27	34	1.16	-0.73	-1.15	24	34
												98	96	90	90	86	82	86	88	91	84	58	85	91	90	85	82	81		90
ZK 160019		JR 120015	SGL 120008	107	119	102	75	86	102	117	105	104	119	108	102	127	129	125	129	98	85	93	96	103	107	128	111	98	189	144
VICK				96	97	91	81	75	86	91	87	0.48	26.0	0.26	8.4	50.3	63	228	-112	14.9	4.5	-1.8	34.4	24	38	2.61	1.07	-0.38	48	39
												98	97	91	91	92	81	91	88	94	86	53	86	95	94	92	90	89		77
ZK 180132		ZK 160019	ZK 110098	104	103	113	85	88	105	107	106	102	103	106	113	107	115	112	113	105	98	86	88	112	113	111	107	105	131	59
ZK VICTORY				91	94	75	58	63	75	80	76	0.60	19.3	0.32	11.8	37.3	49	178	-92	18.4	-4.0	-0.8	30.8	30	43	1.30	0.63	-0.06	6	9
												98	94	76	75	80	58	75	80	82	69	39	80	83	81	77	73	72		10
ZK 180146		ZK 140229	ZK 100059	111	115	106	92	108	117	125	121	114	115	95	106	114	107	123	130	122	93	118	108	116	119	138	109	103	142	123
ZK STINGRAY				93	96	78	54	67	76	87	78	-0.27	24.4	0.78	9.7	42.1	41	218	-113	27.0	-0.9	-5.7	39.6	32	49	3.32	0.81	-0.12	34	14
												98	96	81	78	91	54	87	83	91	80	43	79	92	90	88	85	84		16
ZK 190011		ZK 140100	ZK 130009	104	82	100	92	92	91	94	90	108	82	93	100	78	108	81	74	74	93	96	88	99	89	104	66	106	15	16
ZK 190011				79	82	59	44	50	62	71	64	0.19	10.4	0.84	8.0	19.1	42	63	-42	3.0	-1.1	-2.3	30.8	22	20	0.79	-3.38	-0.02		
												88	82	61	59	76	44	64	71	73	52	33	65	75	72	66	60	59	2	3

Sires

Bull				Selection Values								Calf		Dam		Growth				Fertility				Frame		Carcass			Measured Progeny		
ID	Index EBV Acc	Sire ID	Dam ID	Calv.	Calf	Milk	Maint.	Fertility	Cow	Growth	Prod	Birth	Wean	Birth	Wean	Post wn	Mature	ADG	FCR	Scrotal	Heifer	Cow	Long-evi	Height	Length	EMA	Fat	Marbling	Birth	Wean	
				Ease Value	Grwth Value	Value	Value	Value	Value	Value	Value	Dir	Dir	Mat.	Mat.	wt	weight					Fertility	Fertility	ty						Grwth Test	Dgt/Calvs
ZK 190177		ZK 160129	ZK 140196	92	121	76	79	92	77	118	81	101	121	68	76	118	126	137	147	132	76	107	107	135	112	133	66	97		7	
ZK 190177				75	79	67	53	50	64	72	66	0.67	26.7	1.86	1.0	44.4	60	273	-135	32.0	10.6	-4.0	39.3	44	43	2.95	-3.37	-0.41		5	5
ZK 210183		ZK 180132	ZK 180012	82	139	111	65	101	92	116	95	81	139	102	111	140	140	126	137	125	90	105	122	120	134	138	128	142	35	26	
ZK VICTORIOUS				81	88	58	40	47	63	72	65	2.15	34.3	0.50	11.1	58.4	75	230	-123	28.3	1.4	-3.6	46.1	35	65	3.35	2.69	1.72			
ZK 210187		ZK 180146	ZK 160138	91	120	88	110	127	98	122	102	82	120	124	88	121	90	128	144	123	107	133	116	115	119	129	81	134	3	3	
ZK RUMBLE				75	76	58	43	47	59	72	62	2.13	26.2	-0.39	4.5	46.4	24	237	-132	27.7	-10.5	-8.0	43.2	32	50	2.66	-1.94	1.35			
ZK 210194		ZK 160019	ZK 170143	82	135	81	99	100	74	127	80	81	135	101	81	137	102	125	119	102	77	122	104	108	119	133	109	90	37	27	
ZK BINGO				83	89	64	52	51	67	73	68	2.15	32.9	0.52	2.3	56.6	36	227	-99	16.9	10.4	-6.2	37.8	28	49	3.01	0.89	-0.78			
ZK 220022		ZK 180146	ZK 180135	85	107	105	97	95	90	108	92	89	107	92	105	113	102	110	114	96	93	93	116	94	103	120	134	85	118	60	
ZK BLU RAY				85	93	57	41	48	65	72	66	1.60	20.9	0.90	9.4	41.1	36	172	-93	13.9	-0.9	-1.9	43.5	19	33	1.97	3.28	-1.00			

Growth Tests

Green: >120 High
White: 80-120 Average
Orange: <80 Low

Animal				Weight		Frame				Growth				Carcass			
Test Code Sex	Test no	Sire ID	Cow Value	Wean dir	End-weight	Length	Height	Length/Height	Scrotum	Intake	ADG	FCR	Growth Value	EMA	Fat	Marbling	Carcass Value
Test station	ID	Dam ID															
202401 D11 M	0452488HFD																
PP MONG TRUST	BMH 230054 95078358	 BMH 200063 BMH 200031	130 51	115 68	126 54 73	135 65 73	120 35 76	139 1.24 74	121 26.6 73	86 0.68 25	111 174 65	105 -82 25	106 49	108 1.12 68	130 2.91 62	111 0.26 61	124 65
202401 D11 M	0720604HFD																
KENRUSSMARK CC	KRM 230011 96117338	 KRM 180027 KRM 170039	137 56	93 74	95 27 74	90 21 73	105 25 76	68 1.10 74	106 18.8 75	108 0.28 12	95 115 66	100 -75 12	102 43	110 1.26 69	95 -0.53 63	80 -1.24 62	95 66
202405 B12 F	0596703HFD																
EDE FARMING	BVB 240036 97268908	 ZK 210194 ZK 220039	81 45	117 57	94 26 45	87 18 68	75 7 72	121 1.20 70	77 4.6 45	109 0.26 43	95 116 41	101 -77 43	96 44	117 1.79 42	100 0.00 39	111 0.25 38	113 40
	BVB 240038 97268924	 ZK 220022 ZK 220073	94 53	100 73	93 25 46	90 21 69	88 15 72	101 1.16 70	85 8.4 47	105 0.35 45	100 132 43	104 -80 45	98 46	106 0.99 44	111 1.09 41	83 -1.11 41	96 42
	BVB 240041 97399943	PNP 180069 BVB 220006	112 46	93 64	95 26 17	98 29 65	104 25 69	89 1.14 67	98 15.0 17	103 0.38 10	96 118 16	95 -69 10		83 -0.78 15	107 0.68 14	95 -0.51 14	90 14
202501 B12 F	0596703HFD																
EDE FARMING	BVB 250002 98592157	ZK 140100 BVB 200006	110 52	100 68	103 34 44	103 34 70	115 32 73	79 1.12 72	105 18.7 45	97 0.50 42	107 161 41	109 -87 42	101 43	94 0.04 42	98 -0.27 39	93 -0.64 39	99 40
	BVB 250003 98592165	ZK 140100 BVB 200013	101 47	100 64	82 14 39	79 10 68	74 6 72	101 1.16 70	95 13.5 40	115 0.15 39	83 70 37	84 -55 39	76 39	81 -0.93 37	104 0.40 35	87 -0.89 34	92 36
	BVB 250004 98592173	ZK 140100 BVB 180015	94 49	77 66	70 4 39	73 4 69	88 15 72	58 1.08 70	84 8.0 40	115 0.16 39	81 63 37	79 -49 39	75 39	52 -3.09 37	102 0.13 35	76 -1.43 34	62 36
	BVB 250005 98600232	ZK 140100 BVB 200001	113 48	95 67	105 35 39	107 37 68	118 34 72	82 1.13 70	112 22.1 40	86 0.70 39	110 172 37	103 -80 39	105 39	83 -0.73 37	105 0.42 35	88 -0.84 34	94 36
	BVB 250008 98625536	ZK 140100 BVB 170027	109 49	94 67	82 15 39	80 12 68	78 9 72	97 1.16 70	95 13.6 40	113 0.20 39	85 76 37	85 -55 39	78 39	78 -1.12 37	104 0.37 35	86 -0.94 34	89 36
	BVB 250012 98727183	ZK 140100 BVB 180021	94 48	103 66	84 17 39	83 14 68	83 12 72	93 1.15 70	88 9.7 40	114 0.17 39	88 87 37	92 -64 39	82 39	83 -0.73 37	95 -0.54 35	83 -1.09 34	86 36
	BVB 250015 98779895	ZK 210183 BVB 190007	84 43	128 65	111 41 36	109 39 67	111 30 71	99 1.16 69	116 24.1 36	96 0.51 36	110 172 32	114 -93 36	101 36	102 0.62 33	129 2.80 30	114 0.38 29	117 32
	BVB 250019 98820715	ZK 210183 BVB 180026	87 43	123 65	112 41 36	110 41 67	113 30 71	99 1.16 69	117 24.3 36	95 0.54 36	111 176 32	114 -93 36	103 36	101 0.60 33	129 2.79 30	114 0.37 29	117 32

Growth Tests

Green: >120 High
White: 80-120 Average
Orange: <80 Low

Animal				Weight		Frame				Growth				Carcass				
Test Code	Sex	Test no	Sire ID	Cow	Wean	End-	Length	Height	Length/	Scrotum	Intake	ADG	FCR	Growth	EMA	Fat	Marbling	Carcass
Test station		ID	Dam ID	Value	dir	weight			Height					Value				Value
202501 B12 F			0596703HFD															
EDE FARMING		BVB 250022	ZK 210183	83	133	116	114	102	128	120	91	111	110	103	108	129	116	124
		98832637	BVB 170030	45	67	45	45	24	1.22	25.9	0.60	175	-88	36	1.11	2.86	0.50	32
						36	68	71	70	36	36	32	36		33	30	29	

Breeding Values and Accuracies: Bulls

Green: >120 High
White: 80-120 Average
Orange: <80 Low

Inbreeding in red is high

Value <80 Value >120

Breeding values with an accuracy < 5% are not printed

Animal				Selection Values									Birth		Wean				Growth			Fertility				Frame		Carcass			
Index EBV Acc	ID Number Name	% Inbreeding	Sire ID Dam ID	Calv. Ease V	Calf Growth V	Milk V	Maint. V	Fertility V	Cow Value	Growth Value	Prod. Value	Carcass Value	Birth wt dir	Birth mat	Mature wt	Wean wt	Wean mat	Cow-Calf Ratio (Wean)	Postwean wt	ADG	FCR	Scrotal Circ.	Heifer Fertility	Cow Fertility	Longevity	Height	Length	EMA	Fat	Marbling	
ZK 210183 93139384	1		ZK 180132	82	139	111	65	101	92	116	95	143	81	102	140	139	111	119		140	126	137	125	90	105	122	120	134	138	128	142
ZK VICTORIOUS			ZK 180012	81	88	58	40	47	63	72	65	63	2.15	0.50	75	34.3	11.1	148	58.4	230	-123	28.3	1.4	-3.6	46.1	35	65	3.35	2.69	1.72	
BMH 230054 95078358	1		BMH 200063	120	115	122	93	119	130	106	130	124	129	77	105	115	122	127		114	111	105	121	109	117	118	120	135	108	130	111
BM CANDU TWO 20-31			BMH 200031	68	68	47	40	33	51	49	51	65	-1.40	1.50	39	24.4	14.2	166	41.9	174	-82	26.6	-11.8	-5.5	44.4	35	65	1.12	2.91	0.26	
KRM 230011 96117338	1		KRM 180027	132	93	110	111	106	137	102	136	95	130	108	87	93	110	109		89	95	100	106	95	112	106	105	90	110	95	80
ZONDO 230011			KRM 170039	71	74	56	40	41	56	43	53	66	-1.42	0.26	21	15.0	10.9	125	26.0	115	-75	18.8	-2.2	-4.8	38.8	25	21	1.26	-0.53	-1.24	
BVB 240051 97749956	9		ZK 210183	93	123	110	79	90	95	113	97	125	94	98	122	123	110	115		128	118	125	110	84	95	114	110	118	128	118	122
VICTORIUS 24051			ZK 220059	65	72	47	38	35	52	46	51	42	1.22	0.66	56	27.5	10.8	139	50.9	200	-108	21.2	5.3	-2.1	42.5	29	49	2.58	1.70	0.78	
BVB 250039 99293466	4		ZK 210183	91	121	104	85	87	90	112	92	124	89	104	116	121	104	112		117	115	122	118	80	94	112	112	120	123	113	119
VICTORIUS 25039			ZK 220069	67	71	43	31	35	50	44	49	40	1.55	0.39	50	26.9	9.0	131	43.7	188	-104	25.1	8.2	-1.9	41.7	30	51	2.24	1.28	0.61	
BVB 260005 6020718711	1		243K	111	96	112	96	106	118			102	116	90	103	96	112	106		92	106	93	103	111	98	103	116	107	105	83	82
SUNRISE 26005			BVB 240017	58	42	21	13	20	31	-0.44	0.98	73	37	16.2	11.5	118	13	42	21	25	27.7	156	-66	17.5	-13.5	-2.6	37.4	33	37	0.89	-1.71
BVB 260016 6020910920	1		KRM 230011	104	106	99	102	105	107	99	107	104	106	97	98	106	99	105		103	95	100	92	96	111	104	90	88	114	98	96
ZONDO 26016			BVB 240036	60	47	35	27	27	39	32	38	38	0.33	0.68	31	20.5	7.5	115	35.0	116	-76	11.7	-2.6	-4.6	37.8	16	19	1.53	-0.26	-0.49	
BVB 260020 6020703093			BVB 150022	88	106	67	121						66	123	81	106	67	83		97						32					
26020				52	21	29	16	3.27	-0.38	14	20.5	-1.7	67	31.1		6.0	16	21	29	22	8			17							

Breeding Values and Accuracies: Cows

Green: >120 High
White: 80-120 Average
Orange: <80 Low

Inbreeding in red is high

Value <80 Value >120

Breeding values with an accuracy < 5% are not printed

Animal				Selection Values								Birth		Wean				Growth			Fertility				Frame		Carcass				
Index EBV Acc	% Inbreeding	Sire ID	Dam ID	Calv. Ease V	Calf Growth V	Milk V	Maint. V	Fertility V	Cow Value	Growth Value	Prod. Value	Carcass Value	Birth wt dir	Birth mat	Mature wt	Wean wt	Wean mat	Cow-Calf Ratio (Wean)	Postwean wt	ADG	FCR	Scrotal Circ.	Heifer Fertility	Cow Fertility	Longevity	Height	Length	EMA	Fat	Marbling	
BVB 140019 96920202 BVB 140019				112 49	97 42	45 59	148 32						101 0.67 48	145 -1.26 51	66 -1 32	97 16.7 42	45 -8.1 59	60 15 44	81 21.1 32					33 6.6 28	88 15 17	78 9 16					
BVB 150022 96925698 BVB 150022				96 54	109 42	64 59	122 32						91 1.40 53	112 0.08 57	81 14 32	109 21.7 42	64 -2.5 59	83 67 44	102 34.0 15					56 16.7 34							
BVB 160016 96920236 BVB 160016				88 57	118 50	88 67	93 18						93 1.30 56	90 0.96 60	108 42 18	118 25.7 50	88 4.6 67	101 107 45	104 35.3 42				90 1.3 11	72 23.8 44							
BVB 160034 96920194 BVB 160034				105 53	106 40	64 57							95 1.11 52	124 -0.42 56		106 20.5 40	64 -2.5 57		91 27.1 32					46 12.2 42							
BVB 170027 96920277 BVB 170027				117 57	96 50	56 67	122 28						107 0.23 56	146 -1.29 60	81 15 28	96 16.2 50	56 -4.8 67	65 26 48	83 21.9 42					47 12.7 41	82 11 35	79 10 33					
BVB 170030 96920285 BVB 170030				96 57	113 51	74 68	129 28						92 1.36 56	112 0.10 60	75 8 28	113 23.5 51	74 0.6 68	99 103 49	96 30.5 42					45 11.7 45	98 21 39	93 24 36					
BVB 180015 96920293 BVB 180015				102 54	92 43	30 60	152 32						94 1.23 53	151 -1.50 57	65 -2 32	92 14.7 43	30 -14.8 60	33 -45 45	78 18.6 15					58 17.6 42	81 11 38	65 -3 36					
BVB 180021 96920301 BVB 180021				89 54	110 41	52 57							84 1.96 53	113 0.05 56		110 22.3 41	52 -5.9 57		101 33.8 14					61 19.1 44	78 9 35	76 8 33					
BVB 190007 96920350 BVB 190007				85 53	115 40	73 57							85 1.88 52	101 0.55 56		115 24.3 40	73 0.1 57		101 33.4 31					62 19.1 37	97 21 35	85 16 33					
BVB 190014 96920368 BVB 190014				104 58	90 45	30 61	167 38						99 0.87 57	158 -1.79 61	55 -13 38	90 13.8 45	30 -14.5 61	34 -43 48	75 16.8 33					70 22.8 38	76 8 17	65 -4 16					
BVB 190041 6020638786 BVB 190041		BVB 170027		119 29	87 25	71 33	120 14						105 0.37 28	133 -0.76 30	82 15 14	87 12.4 25	71 -0.4 33	71 41 24	75 17.1 21					30 4.0 20	98 21 18	88 19 16					
BVB 200001 96920384 BVB 200001				106 47	106 48	82 64							100 0.78 46	116 -0.09 50		106 20.7 48	82 2.6 64		96 30.7 40				93 -0.5 21	53 15.3 32	118 34 35	106 37 33					

Breeding Values and Accuracies: Cows

Green: >120 High
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Animal				Selection Values								Birth		Wean				Growth			Fertility				Frame		Carcass			
ID Number Name	% Inbreeding	Sire ID Dam ID		Calv. Ease V	Calf Growth V	Milk V	Maint. V	Fertility V	Cow Value	Growth Value	Prod. Value	Carcass Value	Birth wt dir	Birth mat	Mature wt	Wean wt	Wean mat	Cow-Calf Ratio (Wean)	Postwean wt	ADG	FCR	Scrotal Circ.	Heifer Fertility	Cow Fertility	Longevity	Height	Length	EMA	Fat	Marbling
BVB 200013 96921598 BVB 200013				102 46	107 30	62 44							93 1.26 45	123 -0.35 48		107 21.0 30	62 -3.2 44		91 27.3 14						35 7.4 30	78 9 35	77 8 33			
BVB 200017 96921606 BVB 200017				106 45	108 41	66 57							96 1.06 44	125 -0.45 48		108 21.2 41	66 -1.9 57		90 26.8 32						49 13.5 30					
BVB 200024 96921622 BVB 200024				83 53	116 41	80 57							85 1.87 52	96 0.72 56		116 24.6 41	80 2.0 57		103 35.0 32						59 17.8 36					
BVB 210002 96921648 BVB 210002				85 54	119 41	90 57							87 1.75 53	96 0.74 56		119 26.2 41	90 5.2 57		103 35.2 32						52 15.0 28					
BVB 210027 96921697 BVB 210027				106 46	104 41	57 57							95 1.17 45	129 -0.61 48		104 19.6 41	57 -4.6 57		88 25.6 32						44 11.4 28					
BVB 220002		ZK 190011	BVB 190021	98 62	95 51	83 55	107 35	86 30	86 45	90 36	85 43	86 32	98 0.94 63	102 0.50 61	94 28 35	95 15.9 51	83 2.9 55	84 68 47	88 25.1 43	86 82 32	78 -47 36	90 10.9 36	88 2.3 28	94 -1.9 16	81 27.6 46	95 20 37	86 17 36	82 -0.81 33	98 -0.26 30	95 -0.52 29
BVB 220007		ZK 190011		96 86	100 84	84 85	89 81	119 63	97 78	93 82	96 79	90 82	99 0.83 86	93 0.84 85	113 47 81	100 18.0 84	84 3.2 85	82 64 83	93 28.8 59	84 72 82	71 -38 82	88 10.0 82	119 -18.5 26	111 -4.6 81	105 38.4 83	87 14 82	91 21 82	91 -0.17 82	103 0.24 81	106 -0.01 81
ZK 220059		2 	ZK 160019 ZK 150151	107 76	96 76	111 72	101 64	79 52	103 67	98 55	102 65	98 53	109 0.11 80	98 0.67 68	97 31 64	96 16.1 76	111 11.3 72	108 122 71	104 35.4 62	99 131 55	106 -82 53	86 9.0 57	81 7.5 62	83 -0.3 34	101 36.7 59	89 16 57	90 21 57	107 1.05 54	107 0.62 52	99 -0.35 52
ZK 220069		8 	ZK 180146 ZK 180113	95 76	120 72	92 62	101 47	72 49	80 60	118 52	83 58	115 51	94 1.19 80	103 0.44 68	99 33 47	120 26.2 72	92 5.5 62	109 124 60	107 37.4 58	113 182 52	114 -93 50	121 26.6 55	65 18.4 60	87 -0.9 31	99 35.8 56	114 31 55	118 48 54	119 1.90 52	100 -0.03 50	100 -0.30 49
ZK 220075		1 	ZK 150163 ZK 160222	95 76	111 71	92 60	96 51	108 52	98 61	99 53	98 59	99 48	89 1.60 79	115 -0.05 68	104 38 51	111 22.7 71	92 5.7 60	100 106 61	107 37.2 56	99 128 51	101 -77 52	91 11.5 55	108 -10.9 61	110 -4.5 37	88 30.8 59	108 28 55	102 33 54	109 1.18 50	95 -0.56 47	92 -0.67 47
BVB 230005		ZK 190177	BVB 170027	116 59	102 67	64 58	94 37	88 29	87 50	97 36	87 47	99 32	110 0.04 59	117 -0.12 59	109 43 37	102 19.0 67	64 -2.5 58	69 35 54	96 30.4 60	110 172 33	113 -92 36	116 24.2 37	84 5.1 26	101 -3.0 17	86 30.1 44	107 27 42	94 25 40	97 0.25 33	98 -0.26 30	91 -0.73 30
BVB 230014		ZK 190177	BVB 150014	90 50	113 65	56 56	108 36	87 28	64 47	94 36	64 45	92 32	92 1.38 51	97 0.69 49	95 29 36	113 23.3 65	56 -4.7 56	75 48 52	101 33.6 59	107 160 33	111 -89 36	112 22.0 37	86 3.7 26	99 -2.7 17	77 25.8 40	106 26 38	89 20 36	90 -0.27 33	97 -0.32 30	88 -0.85 30

Breeding Values and Accuracies: Cows

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Animal				Selection Values								Birth		Wean				Growth			Fertility				Frame		Carcass				
Index EBV Acc	% Inbreeding	Sire ID Dam ID		Calv. Ease V	Calf Growth V	Milk V	Maint. V	Fertility V	Cow Value	Growth Value	Prod. Value	Carcass Value	Birth wt dir	Birth mat	Mature wt	Wean wt	Wean mat	Cow-Calf Ratio (Wean)	Postwean wt	ADG	FCR	Scrotal Circ.	Heifer Fertility	Cow Fertility	Longevity	Height	Length	EMA	Fat	Marbling	
ID Number Name																															
BVB 230016 96921705 BVB 230016				103 42	104 61	86 51	90 36						99 0.83 41	110 0.17 44	112 46 36	104 19.6 61	86 3.9 51	87 76 49	90 26.5 54				68 16.4 5		62 19.3 30						
BVB 230020 96925540 BVB 230020				90 54	113 67	88 58	109 38	88 29	86 49	107 36	88 46	106 32	98 0.88 54	81 1.33 53	91 24 38	113 23.5 67	88 4.6 58	104 114 54	102 34.4 60	120 206 33	119 -100 36	124 28.1 37	82 7.1 26	103 -3.4 17	85 29.4 43	118 34 42	104 35 40	104 0.80 33	99 -0.19 30	94 -0.59 30	
BVB 230021 96925433 BVB 230021				94 51	109 63	74 45	99 28	100 29	83 43	94 36	82 42	93 32	98 0.88 51	91 0.93 50	102 36 28	109 21.7 63	74 0.5 45	85 70 45	104 35.4 58	103 146 33	110 -88 36	109 20.5 37	103 -7.7 26	101 -3.1 17	86 30.2 44	103 24 38	91 22 36	97 0.27 33	98 -0.26 30	88 -0.84 30	
BVB 230028 96925441 BVB 230028				98 47	126 46	58 50	103 27	99 27		95 36		97 0.97 48	103 0.44 46	100 34 27	126 28.8 46	58 -4.2 50	85 70 41	114 42.0 38	107 161 33	115 -95 36	115 23.4 37	103 -7.9 26	99 -2.7 17	91 32.2 38	107 27 38	95 26 36	93 -0.03 33	120 1.93 30	93 -0.64 30		
BVB 230032 96925458 BVB 230032				106 59	106 66	35 57	123 38	91 29	74 50	89 36	73 47	86 32	98 0.93 59	121 -0.27 59	83 16 38	106 20.5 66	35 -11.0 57	54 1 54	97 31.3 60	102 140 33	106 -83 36	107 19.4 37	89 1.9 26	96 -2.3 17	96 34.5 43	101 23 39	83 14 37	84 -0.72 33	97 -0.38 30	86 -0.97 30	
BVB 240004 96923321 24004				108 65	112 64	76 44	111 22	113 33	103 45	117 36	106 43	116 32	95 1.16 72	133 -0.77 49	90 23 22	112 23.2 64	76 1.1 44	94 91 43	108 38.1 60	122 217 33	122 -104 36	125 28.7 37	105 -8.9 47	121 -6.1 15	89 31.2 38	119 34 42	116 46 40	104 0.84 34	106 0.55 31	113 0.33 30	
BVB 240008 96924766 24008				89 64	124 65	80 41	96 20	77 34	71 44	97 36	72 42	112 32	83 2.05 72	116 -0.09 47	105 39 20	124 27.9 65	80 2.2 41	99 103 42	117 43.9 60	105 153 32	108 -85 36	112 21.9 36	72 13.7 47	92 -1.7 14	92 32.4 40	103 24 39	105 35 38	96 0.24 33	128 2.75 30	112 0.28 29	
BVB 240009 96924774 24009				110 65	95 64	77 42	108 23	78 35	89 45	91 36	88 43	87 32	106 0.32 72	112 0.10 49	93 26 23	95 15.8 64	77 1.1 42	79 57 43	85 23.4 60	87 86 32	79 -48 36	91 11.4 36	79 9.2 47	91 -1.6 16	80 27.5 42	97 20 37	87 18 36	84 -0.70 33	98 -0.25 30	96 -0.50 29	
BVB 240010 96928692 24010				98 65	116 64	104 40	85 24	97 33	103 45	105 36	104 43	120 32	100 0.80 73	97 0.71 49	116 50 24	116 24.9 64	104 9.2 40	109 125 43	112 40.8 60	113 183 32	114 -93 36	117 24.6 36	95 -2.0 47	104 -3.5 14	88 31.1 39	111 29 39	114 44 38	109 1.17 33	119 1.83 30	117 0.51 29	
BVB 240015 96928718 24015				97 64	112 68	102 46	87 31	92 33	98 48	102 40	98 46	117 36	92 1.33 73	111 0.11 43	114 48 31	112 22.9 68	102 8.6 46	105 116 48	107 37.3 62	110 171 37	115 -95 39	111 21.5 42	92 -0.4 34	96 -2.4 18	94 33.3 46	108 27 48	112 42 46	107 1.02 38	121 2.06 35	116 0.49 34	
BVB 240017 96924824 24017				109 65	97 63	88 40	101 25	94 35	101 45	97 36	101 43	94 32	107 0.22 72	106 0.34 49	100 33 25	97 16.7 63	88 4.4 40	88 78 43	88 25.0 59	94 110 32	84 -55 36	97 14.4 36	97 -3.7 47	101 -3.1 16	75 25.2 42	103 24 37	95 25 36	91 -0.20 33	99 -0.18 30	98 -0.37 29	
BVB 240024 96926175 24024				117 63	93 66	79 45	105 24	87 28	99 45	89 36	97 43	88 32	110 0.01 72	117 -0.11 43	96 29 24	93 14.9 66	79 1.8 45	78 56 45	84 22.7 60	85 78 32	77 -45 36	90 11.0 36	91 0.3 26	97 -2.4 16	71 23.3 42	92 17 41	86 17 39	85 -0.62 33	98 -0.23 30	96 -0.48 29	

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Animal				Selection Values							Birth		Wean				Growth			Fertility				Frame		Carcass				
Index EBV Acc	% Inbreeding	Sire ID	Dam ID	Calv. Ease V	Calf Growth V	Milk V	Maint. V	Fertility V	Cow Value	Growth Value	Prod. Value	Carcass Value	Birth wt dir	Birth mat	Mature wt	Wean wt	Wean mat	Cow-Calf Ratio (Wean)	Postwean wt	ADG	FCR	Scrotal Circ.	Heifer Fertility	Cow Fertility	Longevity	Height	Length	EMA	Fat	Marbling
BVB 240032	ZK 210183			90	122	97	92	93	90	102	91	118	91	99	109	122	97	110	115	111	112	117	90	101	92	108	111	102	129	114
97052286	BVB 200024			61	65	42	20	27	43	36	42	32	1.42	0.63	43	27.3	7.1	128	42.7	173	-90	24.5	1.6	-3.0	32.6	28	42	0.65	2.80	0.39
24032													71	40	20	65	42	42	60	32	36	36	26	14	40	39	38	33	30	29
BVB 240036	ZK 210194			80	117	88	93	104	81	96	81	113	86	86	108	117	88	100	115	95	101	77	96	110	101	75	87	117	100	111
97268908	ZK 220039			60	57	41	34	34	45	44	45	40	1.77	1.14	42	25.2	4.5	105	43.0	116	-77	4.6	-3.0	-4.4	36.7	7	18	1.79	0.00	0.25
24036													64	50	34	57	41	44	56	41	43	45	35	22	45	72	68	42	39	38
BVB 240038	ZK 220022			105	100	87	91	95	94	98	94	96	98	118	110	100	87	85	107	100	104	85	101	89	105	88	90	106	111	83
97268924	ZK 220073			70	73	49	35	36	53	46	52	42	0.95	-0.15	44	18.0	4.0	71	37.3	132	-80	8.4	-6.2	-1.2	38.2	15	21	0.99	1.09	-1.11
24038													78	53	35	73	49	52	57	43	45	47	40	22	46	72	69	44	41	41
BVB 240041	PNP 180069			118	93	89	111	96	112			90	113	112	89	93	89	90	90	96	95	98	107	91	88	104	98	83	107	95
97399943	BVB 220006			63	64	45	29	30	46			14	-0.23	0.07	22	15.0	4.8	82	26.5	118	-69	15.0	-10.3	-1.6	30.7	25	29	-0.78	0.68	-0.51
COOLCAT 24041													71	45	29	64	45	46	39	16	10	17	29	17	43	69	65	15	14	14
BVB 240061				107									95	129										53						
99536526				34									1.11	-0.59										15.3						
BVB 240061													33	37										15						
BVB 240062				113									101	141										53						
99536518				34									0.71	-1.11										15.3						
BVB 240062													33	37										15						
BVB 240065				103									93	124										53						
99536500				34									1.26	-0.40										15.3						
BVB 240065													33	37										15						
BVB 240067				102									93	123										53						
99536534				33									1.29	-0.36										15.3						
BVB 240067													32	35										15						
BVB 240068				102									93	123										53						
99536559				34									1.28	-0.38										15.3						
BVB 240068													33	37										15						
BVB 240072	PNP 180069			121	106	54	117	106				87	107	136	86	106	54	70	93	86	89	95	125	92	84	88	87	72	136	92
99536757				50	43	34	20	27				10	0.23	-0.90	20	20.6	-5.3	39	28.6	80	-62	13.5	-22.9	-1.6	29.1	15	18	-1.63	3.53	-0.67
BVB 240072													52	46	20	43	34	32	25	11	6	12	27	15	40	30	29	11	10	10
BVB 240073	PNP 180069			110	112	61	116	106				87	101	122	86	112	61	80	99	86	89	95	125	92	80	88	87	72	136	92
99536773				42	43	34	20	27				10	0.68	-0.32	20	22.9	-3.5	61	32.4	80	-62	13.5	-22.9	-1.6	27.2	15	18	-1.63	3.53	-0.67
BVB 240073													45	34	20	43	34	32	25	11	6	12	27	15	40	30	29	11	10	10
BVB 240074	PNP 180069			104	126	87	90	119	106	111	107	120	100	111	112	126	87	104	120	107	97	128	113	116	105	107	117	113	119	126
99536765				84	83	82	81	63	77	80	78	80	0.76	0.12	46	28.9	4.2	113	45.7	159	-71	30.0	-14.8	-5.4	38.5	27	47	1.51	1.86	0.97
BVB 240074													84	83	81	83	82	82	48	80	80	81	27	80	82	81	81	80	80	80

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Animal			Selection Values								Birth		Wean				Growth			Fertility				Frame		Carcass			
Index EBV Acc	% Inbreeding	Sire ID Dam ID	Calv. Ease V	Calf Growth V	Milk V	Maint. V	Fertility V	Cow Value	Growth Value	Prod. Value	Carcass Value	Birth wt dir	Birth mat	Mature wt	Wean wt	Wean mat	Cow-Calf Ratio (Wean)	Postwean wt	ADG	FCR	Scrotal Circ.	Heifer Fertility	Cow Fertility	Longevity	Height	Length	EMA	Fat	Marbling
ID Number Name			Calv. Ease V	Calf Growth V	Milk V	Maint. V	Fertility V	Cow Value	Growth Value	Prod. Value	Carcass Value	Birth wt dir	Birth mat	Mature wt	Wean wt	Wean mat	Cow-Calf Ratio (Wean)	Postwean wt	ADG	FCR	Scrotal Circ.	Heifer Fertility	Cow Fertility	Longevity	Height	Length	EMA	Fat	Marbling
BVB 250002	ZK 140100		109	100	100	102	95	110	101	110	99	108	105	97	100	100	101	94	107	109	105	101	99	73	115	103	94	98	93
98592157	BVB 200006		65	68	52	38	38	52	43	50	40	0.18	0.37	31	17.8	7.8	106	29.3	161	-87	18.7	-6.4	-2.8	24.3	32	34	0.04	-0.27	-0.64
HUNDRED 25002												73	49	38	68	52	53	53	41	42	45	40	24	51	73	70	42	39	39
BVB 250003	ZK 140100		104	100	85	113	93	101	76	97	92	99	112	87	100	85	93	89	83	84	95	101	101	61	74	79	81	104	87
98592165	BVB 200013		62	64	44	30	34	47	39	45	36	0.84	0.08	20	17.9	3.7	88	26.1	70	-55	13.5	-6.2	-3.1	19.0	6	10	-0.93	0.40	-0.89
HUNDRED 25003												71	44	30	64	44	46	48	37	39	40	34	21	46	72	68	37	35	34
BVB 250004	ZK 140100		118	77	71	138	96	94	75	90	62	108	127	69	77	71	67	73	81	79	84	111	92	71	88	73	52	102	76
98592173	BVB 180015		64	66	49	33	34	49	39	47	36	0.21	-0.52	2	8.3	-0.3	32	15.5	63	-49	8.0	-13.2	-1.6	23.4	15	4	-3.09	0.13	-1.43
HUNDRED 25004												72	47	33	66	49	49	48	37	39	40	34	21	47	72	69	37	35	34
BVB 250005	ZK 140100		109	95	98	111	97	113	105	114	94	106	108	89	95	98	99	89	110	103	112	103	103	69	118	107	83	105	88
98600232	BVB 200001		63	67	50	30	34	48	39	46	36	0.29	0.23	22	15.7	7.3	102	26.2	172	-80	22.1	-7.7	-3.4	22.4	34	37	-0.73	0.42	-0.84
HUNDRED 25005												71	45	30	67	50	49	51	37	39	40	35	21	46	72	68	37	35	34
BVB 250008	ZK 140100		117	94	83	112	94	109	78	105	89	108	123	88	94	83	85	86	85	85	95	102	100	66	78	80	78	104	86
98625536	BVB 170027		64	67	51	32	34	49	39	47	36	0.17	-0.35	22	15.3	3.1	72	23.7	76	-55	13.6	-6.9	-2.9	21.1	9	12	-1.12	0.37	-0.94
HUNDRED 25008												72	47	32	67	51	50	52	37	39	40	34	21	47	72	68	37	35	34
BVB 250012	ZK 140100		100	103	82	110	95	94	82	91	86	99	105	91	103	82	90	97	88	92	88	107	94	72	83	83	83	95	83
98727183	BVB 180021		64	66	48	30	34	48	39	46	36	0.84	0.39	24	19.1	2.6	83	30.9	87	-64	9.7	-10.3	-2.0	23.6	12	14	-0.73	-0.54	-1.09
HUNDRED 25012												72	46	30	66	48	48	48	37	39	40	34	21	48	72	68	37	35	34
BVB 250015	ZK 210183		86	128	92	92	93	84	101	84	117	86	100	109	128	92	111	121	110	114	116	89	101	91	111	109	102	129	114
98779895	BVB 190007		62	65	41	20	26	43	36	42	32	1.78	0.58	43	29.8	5.6	129	46.3	172	-93	24.1	1.8	-3.1	32.2	30	39	0.62	2.80	0.38
VICTORIUS 25015												72	40	20	65	41	42	51	32	36	36	26	14	38	71	67	33	30	29
BVB 250019	ZK 210183		96	123	86	93	92	87	103	88	117	88	118	108	123	86	102	113	111	114	117	89	101	87	113	110	101	129	114
98820715	BVB 180026		61	65	42	20	26	43	36	42	32	1.63	-0.18	42	27.7	3.8	109	41.3	176	-93	24.3	1.8	-3.1	30.6	30	41	0.60	2.79	0.37
VICTORIUS 25019												71	38	20	65	42	42	52	32	36	36	26	14	39	71	67	33	30	29
BVB 250022	ZK 210183		86	133	91	92	91	83	103	84	124	84	105	109	133	91	113	124	111	110	120	87	103	83	102	114	108	129	116
98832637	BVB 170030		62	67	45	23	26	45	36	43	32	1.93	0.35	43	31.8	5.2	133	48.2	175	-88	25.9	3.5	-3.4	28.8	24	45	1.11	2.86	0.50
VICTORIUS 25022												72	41	23	67	45	45	53	32	36	36	26	14	39	71	68	33	30	29
BVB 250025	 243K		98	98	97	105	102	102			92	103	89	94	98	97	98	94	104	100	102	108	95	101	109	94	95	82	74
99046948	BVB 230014		56	61	30	18	17	37			16	0.52	1.00	27	17.0	7.1	101	29.2	149	-75	17.2	-11.3	-2.1	36.7	28	25	0.17	-1.86	-1.54
SUNRISE 25025												70	25	18	61	30	36	34	16	18	19	13	8	29	19	18	17	15	15
BVB 250032	 ZK 140100		100	102	85	112	99	97	90	96	91	97	109	88	102	85	94	97	95	97	98	103	97	92	101	95	86	98	92
99168403	BVB 220033		65	66	50	41	35	51	40	49	38	1.01	0.21	22	18.9	3.7	91	30.8	113	-71	14.9	-7.9	-2.5	32.7	23	26	-0.51	-0.28	-0.68
HUNDRED 25032												73	48	41	66	50	52	42	38	40	41	36	22	48	47	46	39	36	36
BVB 250035	 ZK 140100		103	103	111	94	99	109	103	110	104	106	94	105	103	111	110	99	107	107	110	100	102	88	114	110	100	99	97
99137150	BVB 220021		64	66	50	41	35	51	40	49	38	0.33	0.83	38	19.3	11.1	126	32.3	161	-84	21.1	-5.6	-3.3	30.9	31	40	0.51	-0.15	-0.43
HUNDRED 25035												72	47	41	66	50	52	42	38	40	41	36	22	48	44	44	39	36	36

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Index EBV Acc	% Inbreeding	Sire ID Dam ID	Calv. Ease V	Calf Growth V	Milk V	Maint. V	Fertility V	Cow Value	Growth Value	Prod. Value	Carcass Value	Birth wt dir	Birth mat	Mature wt	Wean wt	Wean mat	Cow-Calf Ratio (Wean)	Postwean wt	ADG	FCR	Scrotal Circ.	Heifer Fertility	Cow Fertility	Longevity	Height	Length	EMA	Fat	Marbling
ID Number Name			Calv. Ease V	Calf Growth V	Milk V	Maint. V	Fertility V	Cow Value	Growth Value	Prod. Value	Carcass Value	Birth wt dir	Birth mat	Mature wt	Wean wt	Wean mat	Cow-Calf Ratio (Wean)	Postwean wt	ADG	FCR	Scrotal Circ.	Heifer Fertility	Cow Fertility	Longevity	Height	Length	EMA	Fat	Marbling
BVB 250036 99168395 HUNDRED 25036	ZK 140100 BVB 220006		113 64	88 51	98 47	113 37	97 35	110 46	88 40	108 45	88 38	109 0.14 72	112 0.10 47	86 19 37	88 12.9 51	98 7.3 47	95 93 45	85 23.3 42	93 106 38	95 -69 40	96 13.9 41	105 -8.8 36	96 -2.3 22	85 29.4 48	99 22 47	93 23 46	84 -0.70 39	97 -0.30 36	91 -0.73 36
BVB 250037 99172611 VICTORIUS 25037	ZK 210183 ZK 220059	96 67	115 71	112 47	83 38	91 35	97 52	106 46	99 51	119 42	96 1.06 77	100 0.57 45	117 52 38	115 24.5 71	112 11.4 47	114 135 52	120 46.0 51	112 178 42	121 -103 45	105 18.4 46	85 4.5 40	94 -2.0 22	115 42.9 44	104 25 49	112 42 47	121 2.11 43	117 1.64 40	120 0.66 39	
BVB 260002 6020672017 SUNRISE 26002	243K BVB 240067		104 52	102 28	97 7		100 8				105 0.42 67	100 0.59 18		102 18.8 28	97 7.0 7	103 111 12	95 29.9 14						92 32.5 21						
BVB 260003 6020703119 SUNRISE 26003	243K BVB 240010		102 56	107 43	119 21	88 12	107 19	111 30			115 16	108 0.17 71	86 1.12 25	111 45 12	107 21.0 43	119 13.5 21	117 142 25	106 36.7 35	116 193 16	108 -85 18	113 22.6 18	110 -12.7 24	99 -2.8 7	109 40.4 27	120 35 20	116 47 19	114 1.57 17	93 -0.70 15	92 -0.69 15
BVB 260004 6020702947 SUNRISE 26004	243K BVB 240004		125 58	97 43	111 23	100 11	115 20	133 31			114 16	125 -1.11 73	100 0.58 25	98 32 11	97 16.8 43	111 11.0 23	108 122 26	96 30.3 34	120 209 16	112 -91 18	117 24.6 19	115 -16.1 24	108 -4.1 8	109 40.4 27	124 38 21	117 48 20	112 1.41 17	87 -1.34 16	90 -0.78 15
BVB 260006 6020723786 SUNRISE 26006	243K BVB 240065		105 53	102 28	97 7		100 8				105 0.36 69	100 0.57 19		102 18.6 28	97 7.0 7	103 110 12	95 29.7 14						92 32.5 21						
BVB 260009 6020797111 SUNRISE 26009	243K BVB 240009		113 58	94 43	107 22	99 12	98 20	115 31			99 16	117 -0.48 73	93 0.87 25	99 33 12	94 15.5 43	107 9.9 22	102 108 26	90 26.6 34	103 144 16	91 -63 18	100 16.0 18	102 -7.1 24	93 -1.8 8	105 38.6 28	113 30 19	103 34 18	102 0.64 17	83 -1.74 15	81 -1.19 15
BVB 260011 6020815632 SUNRISE 26011	243K BVB 240008		102 58	109 43	108 22	93 10	97 19	106 30			111 16	104 0.44 73	95 0.77 24	106 39 10	109 21.7 43	108 10.4 22	111 130 25	106 37.0 34	112 177 16	105 -81 18	111 21.3 18	99 -4.8 24	93 -1.9 7	111 41.0 27	116 32 20	112 42 19	108 1.11 17	98 -0.24 15	89 -0.80 15
BVB 260013 6020823370 SUNRISE 26013	243K BVB 240038		119 59	93 46	114 25	91 18	106 20	122 34	110 22	123 32	104 22	123 -0.90 74	93 0.85 27	108 42 18	93 14.9 46	114 12.2 25	103 112 30	97 31.1 32	109 167 22	103 -79 22	97 14.5 24	113 -14.7 20	92 -1.6 11	117 43.9 29	108 28 36	105 35 34	113 1.48 22	90 -1.07 21	75 -1.50 20
BVB 260022 6020732027 HUNDRED 26022	ZK 140100 BVB 180021		102 64	98 50	83 47	110 30	95 34	96 44	84 39	94 43	86 36	100 0.76 72	106 0.33 46	90 24 30	98 17.0 50	83 3.0 47	88 77 42	92 28.0 40	90 96 37	94 -67 39	89 10.4 40	108 -11.0 34	93 -1.8 21	72 23.8 46	88 15 46	85 16 45	83 -0.77 37	95 -0.54 35	83 -1.10 34
BVB 260027 6020823396 VICTORIUS 26027	ZK 210183 BVB 190014		108 63	112 49	68 42	104 25	94 25	86 40	92 36	85 39	106 32	96 1.06 72	128 -0.59 42	97 31 25	112 23.0 49	68 -1.2 42	83 68 39	105 36.1 44	101 136 32	104 -80 36	108 19.7 36	94 -1.6 26	97 -2.4 14	96 34.5 36	98 21 40	100 30 39	91 -0.17 33	128 2.70 30	110 0.18 29
BVB 260028 6020827769 SUNRISE 26028	243K ZK 220069		108 63	106 46	115 32	96 24	95 26	108 38	120 26	112 36	113 26	113 -0.23 76	88 1.07 34	103 36 24	106 20.3 46	115 12.3 32	116 140 34	100 33.0 34	116 192 26	108 -85 25	115 23.6 28	95 -2.4 30	91 -1.5 16	115 42.7 33	122 36 28	118 49 27	119 1.94 26	84 -1.63 25	83 -1.09 25

Breeding Values and Accuracies: Cows

Green: >120 High
White: 80-120 Average
Orange: <80 Low

Inbreeding in red is high

Value <80 Value >120

Breeding values with an accuracy < 5% are not printed

Animal			Selection Values										Birth		Wean				Growth			Fertility				Frame		Carcass		
Index EBV Acc	% Inbreeding	Sire ID Dam ID	Calv. Ease V	Calf Growth V	Milk V	Maint. V	Fertility V	Cow Value	Growth Value	Prod. Value	Carcass Value	Birth wt dir	Birth mat	Mature wt	Wean wt	Wean mat	Cow-Calf Ratio (Wean)	Postwean wt	ADG	FCR	Scrotal Circ.	Heifer Fertility	Cow Fertility	Longevity	Height	Length	EMA	Fat	Marbling	
ID Number Name																														
BVB 260029 6020827777 SUNRISE 26029	243K ZK 220075		103 63	103 46	114 31	93 26	113 28	115 38	111 26	116 36	105 24	106 0.31 76	95 0.78 34	105 39 26	103 19.3 46	114 12.0 31	112 132 34	102 34.0 32	109 165 26	101 -77 26	100 16.1 27	117 -17.1 31	102 -3.3 18	109 40.2 34	119 34 28	111 41 27	114 1.58 25	81 -1.89 24	79 -1.28 23	
BVB 260033 6020854573 VICTORIUS 26033	ZK 210183 BVB 160034		87 62	125 48	85 41	93 20	91 26	80 38	101 36	81 38	117 32	81 2.16 72	115 -0.03 40	108 42 20	125 28.6 48	85 3.7 41	104 112 36	118 44.6 44	110 170 32	111 -89 36	116 24.1 36	90 1.0 26	100 -2.9 14	84 29.2 37	107 27 39	110 41 38	101 0.59 33	129 2.79 30	114 0.37 29	

Selection List on Cow Value

Bulls 2 years and older

ID Sorted on ID		Name		Sire ID	Dam ID	% Inbreeding	Polled HH: Horned, PcPc: Polled, PcH: Polled horn carrier	Myostatin nt821 Q204X F94L Genomic tested				Calving Ease Value Acc	Calf Growth Value Acc	Milk Value Acc	Maint. Value Acc	Fertility Value Acc	Cow Value Acc	Growth Value Acc	Prod Value Acc	
												★★★★★★								
1	BMH 230054	BM CANDO TWO 20-31		BMH 200063	BMH 200031	0.5	PcH	0	0	0		120 68	115 68	122 47	93 40	119 33	130 51	106 49	130 51	
2	KRM 230011	ZONDO 230011		KRM 180027	KRM 170039	1.2	HH	0	0	0		132 71	93 74	110 56	111 40	106 41	137 56	102 43	136 53	
												★★★★								
1	BVB 240051	VICTORIUS 24051		ZK 210183	ZK 220059	9.0	PcPc	0	0	0		93 65	123 72	110 47	79 38	90 35	95 52	113 46	97 51	
2	ZK 210183	ZK VICTORIOUS		ZK 180132	ZK 180012	1.0	PcPc	0	0	0		82 81	139 88	111 58	65 40	101 47	92 63	116 72	95 65	

Selection List on Cow Value

Cows 2 years and older

ID	Name	Sire ID	Dam ID	% Inbreeding	Polled HH:Horned, PcPc:Polled, PcH: Polled horn carrier	Myostatin nt821	Q204X	F94L	Genomic tested	Calving Ease Value Acc	Calf Growth Value Acc	Milk Value Acc	Maint. Value Acc	Fertility Value Acc	Cow Value Acc	Growth Value Acc	Prod Value Acc								
										★★★★★															
1	BVB 240041	COOLCAT 24041	PNP 180069	BVB 220006	0.1					118	63	93	64	89	45	111	29	96	30	112	46				
										★★★★☆															
1	BVB 240004	24004	ZK 210187	BVB 200001	0.0					108	65	112	64	76	44	111	22	113	33	103	45	117	36	106	43
2	BVB 240010	24010	ZK 210183	BVB 210001	0.0					98	65	116	64	104	40	85	24	97	33	103	45	105	36	104	43
3	BVB 240017	24017	ZK 190011	BVB 160010	0.0					109	65	97	63	88	40	101	25	94	35	101	45	97	36	101	43
4	BVB 240074	BVB 240074	PNP 180069		0.0					104	84	126	83	87	82	90	81	119	63	106	77	111	80	107	78
5	ZK 220059	ZK 220059	ZK 160019	ZK 150151	1.5	PcPc	0	0	0	107	76	96	76	111	72	101	64	79	52	103	67	98	55	102	65
										★★★★															
1	BVB 220007	BVB 220007	ZK 190011		0.0					96	86	100	84	84	85	89	81	119	63	97	78	93	82	96	79
2	BVB 240015	24015	ZK 210183	BVB 200006	0.4					97	64	112	68	102	46	87	31	92	33	98	48	102	40	98	46
3	BVB 240024	24024	ZK 190011	BVB 170027	0.0					117	63	93	66	79	45	105	24	87	28	99	45	89	36	97	43
4	BVB 240032	24032	ZK 210183	BVB 200024	0.0					90	61	122	65	97	42	92	20	93	27	90	43	102	36	91	42
5	BVB 240038	24038	ZK 220022	ZK 220073	7.8	PcPc	0	0	0	105	70	100	73	87	49	91	35	95	36	94	53	98	46	94	52
6	ZK 220075	ZK 220075	ZK 150163	ZK 160222	1.4	PcPc	0	0	0	95	76	111	71	92	60	96	51	108	52	98	61	99	53	98	59
										★★★★☆															
1	BVB 220002	BVB 220002	ZK 190011	BVB 190021	0.0					98	62	95	51	83	55	107	35	86	30	86	45	90	36	85	43
2	BVB 230005	BVB 230005	ZK 190177	BVB 170027	0.0					116	59	102	67	64	58	94	37	88	29	87	50	97	36	87	47
3	BVB 230020	BVB 230020	ZK 190177	BVB 170030	0.0					90	54	113	67	88	58	109	38	88	29	86	49	107	36	88	46
4	BVB 230021	BVB 230021	ZK 190177	BVB 140008	0.0					94	51	109	63	74	45	99	28	100	29	83	43	94	36	82	42
5	BVB 240009	24009	ZK 190011	BVB 190021	0.0					110	65	95	64	77	42	108	23	78	35	89	45	91	36	88	43
6	BVB 240036	24036	ZK 210194	ZK 220039	1.4	PcPc	0	0	0	80	60	117	57	88	41	93	34	104	34	81	45	96	44	81	45
7	ZK 220069	ZK 220069	ZK 180146	ZK 180113	8.2	PcPc	0	0	0	95	76	120	72	92	62	101	47	72	49	80	60	118	52	83	58
										★★★															
1	BVB 230032	BVB 230032	ZK 190177	BVB 190014	0.0					106	59	106	66	35	57	123	38	91	29	74	50	89	36	73	47

Selection List on Cow Value

Cows 2 years and older

ID	Name	Sire ID	Dam ID	% Inbreeding	Polled HH: Horned, PcPc: Polled, PcH: Polled horn carrier	Myostatin				Calving Ease Value Acc	Calf Growth Value Acc	Milk Value Acc	Maint. Value Acc	Fertility Value Acc	Cow Value Acc	Growth Value Acc	Prod Value Acc	
						nt821	Q204X	F94L	Genomic tested									
2	BVB 240008	24008	ZK 210183	BVB 190006	0.0					8964	12465	8041	9620	7734	7144	9736	7242	
1	BVB 230014	BVB 230014	ZK 190177	BVB 150014	0.0					9050	11365	5656	10836	8728	6447	9436	6445	

Selection List on Cow Value

Bull Calves younger than 2 years

ID		Name	Sire ID	Dam ID	% Inbreeding	Polled HH:Horned, PcPc:Polled, PcH: Polled horn carrier	Myostatin			Genomic tested	Calving Ease Value Acc	Calf Growth Value Acc	Milk Value Acc	Maint. Value Acc	Fertility Value Acc	Cow Value Acc	Growth Value Acc	Prod Value Acc								
Sorted on ID							nt821	Q204X	F94L																	
											★★★★★															
1	BVB 260005	SUNRISE 26005	243K	BVB 240017	0.0						111	58	96	42	112	21	96	13	106	20	118	31				
											★★★★☆															
1	BVB 260016	ZONDO 26016	KRM 230011	BVB 240036	1.1						104	60	106	47	99	35	102	27	105	27	107	39	99	32	107	38
											★★★★															
1	BVB 250039	VICTORIUS 25039	ZK 210183	ZK 220069	3.5	PcPc	0	0	0		91	67	121	71	104	43	85	31	87	35	90	50	112	44	92	49

Selection List on Cow Value
Heifers younger than 2 years

ID	Name	Sire ID	Dam ID	% Inbreeding	Polled HH:Horned, PcPc:Polled, PcH: Polled horn carrier	Myostatin nt821	Q204X	F94L	Genomic tested	Calving Ease Value Acc	Calf Growth Value Acc	Milk Value Acc	Maint. Value Acc	Fertility Value Acc	Cow Value Acc	Growth Value Acc	Prod Value Acc								
Sorted on ID																									
										★★★★★★															
1	BVB 260004	SUNRISE 26004	243K	BVB 240004	0.0					125	58	97	43	111	23	100	11	115	20	133	31				
										★★★★★★☆															
1	BVB 260013	SUNRISE 26013	243K	BVB 240038	0.0					119	59	93	46	114	25	91	18	106	20	122	34	110	22	123	32
										★★★★★															
1	BVB 250002	HUNDRED 25002	ZK 140100	BVB 200006	0.2					109	65	100	68	100	52	102	38	95	38	110	52	101	43	110	50
2	BVB 250005	HUNDRED 25005	ZK 140100	BVB 200001	0.0					109	63	95	67	98	50	111	30	97	34	113	48	105	39	114	46
3	BVB 250036	HUNDRED 25036	ZK 140100	BVB 220006	0.2					113	64	88	51	98	47	113	37	97	35	110	46	88	40	108	45
4	BVB 260003	SUNRISE 26003	243K	BVB 240010	0.0					102	56	107	43	119	21	88	12	107	19	111	30				
5	BVB 260009	SUNRISE 26009	243K	BVB 240009	0.0					113	58	94	43	107	22	99	12	98	20	115	31				
6	BVB 260029	SUNRISE 26029	243K	ZK 220075	0.0					103	63	103	46	114	31	93	26	113	28	115	38	111	26	116	36
										★★★★☆															
1	BVB 250003	HUNDRED 25003	ZK 140100	BVB 200013	0.0					104	62	100	64	85	44	113	30	93	34	101	47	76	39	97	45
2	BVB 250008	HUNDRED 25008	ZK 140100	BVB 170027	0.0					117	64	94	67	83	51	112	32	94	34	109	49	78	39	105	47
3	BVB 250025	SUNRISE 25025	243K	BVB 230014	0.0	PcPc	0	0	0	98	56	98	61	97	30	105	18	102	17	102	37				
4	BVB 250035	HUNDRED 25035	ZK 140100	BVB 220021	0.2	PcH	0	0	0	103	64	103	66	111	50	94	41	99	35	109	51	103	40	110	49
5	BVB 260011	SUNRISE 26011	243K	BVB 240008	0.0					102	58	109	43	108	22	93	10	97	19	106	30				
6	BVB 260028	SUNRISE 26028	243K	ZK 220069	0.0					108	63	106	46	115	32	96	24	95	26	108	38	120	26	112	36
										★★★															
1	BVB 250004	HUNDRED 25004	ZK 140100	BVB 180015	0.0					118	64	77	66	71	49	138	33	96	34	94	49	75	39	90	47
2	BVB 250012	HUNDRED 25012	ZK 140100	BVB 180021	0.0					100	64	103	66	82	48	110	30	95	34	94	48	82	39	91	46
3	BVB 250032	HUNDRED 25032	ZK 140100	BVB 220033	0.2	PcH	0	0	0	100	65	102	66	85	50	112	41	99	35	97	51	90	40	96	49
4	BVB 250037	VICTORIUS 25037	ZK 210183	ZK 220059	9.0	PcPc	0	0	0	96	67	115	71	112	47	83	38	91	35	97	52	106	46	99	51
5	BVB 260022	HUNDRED 26022	ZK 140100	BVB 180021	0.0					102	64	98	50	83	47	110	30	95	34	96	44	84	39	94	43

Selection List on Cow Value

Heifers younger than 2 years

ID	Name	Sire ID	Dam ID	% Inbreeding	Polled HH:Horned, PcPc:Polled, PcH: Polled horn carrier	Myostatin		Genomic tested	Calving Ease Value Acc	Calf Growth Value Acc	Milk Value Acc	Maint. Value Acc	Fertility Value Acc	Cow Value Acc	Growth Value Acc	Prod Value Acc									
						nt821	Q204X											F94L							
Sorted on ID																									
									★★★★★																
1	BVB 250015	VICTORIUS 25015	ZK 210183	BVB 190007	0.0				86	62	128	65	92	41	92	20	93	26	84	43	101	36	84	42	
2	BVB 250019	VICTORIUS 25019	ZK 210183	BVB 180026	0.0				96	61	123	65	86	42	93	20	92	26	87	43	103	36	88	42	
3	BVB 250022	VICTORIUS 25022	ZK 210183	BVB 170030	0.0				86	62	133	67	91	45	92	23	91	26	83	45	103	36	84	43	
4	BVB 260027	VICTORIUS 26027	ZK 210183	BVB 190014	0.0				108	63	112	49	68	42	104	25	94	25	86	40	92	36	85	39	
5	BVB 260033	VICTORIUS 26033	ZK 210183	BVB 160034	0.0				87	62	125	48	85	41	93	20	91	26	80	38	101	36	81	38	

Notes on the interpretation of EBVs, EBVi's, sub-values and selection values

EBVi (EBVindex) is the breeding value index and is easier to interpret than the breeding value, especially for commercial farmers buying from stud farmers. The base of a breeding value index is 100, which is the average of all the live animals in the breed, and all values are expressed relative to this value. Values above 100 are always in a more desirable direction: an index of 105 for AFC indicates a genetic potential to calve earlier. Note that a very high index is not always desirable. For certain traits, such as birth weight, average values can be better.

EBV: (Estimated Breeding Value) indicates the genetic potential of the animal for a specific trait. It is presented in the unit of measurement and relative to the average of animals born in the base year (1990 for most breeds and traits). Higher values for certain traits are better while lower values for other traits are better, for example, an EBV of -2 for AFC (age at first calving) indicates that the animal has the genetic potential to calve 2 days earlier than the average heifer in 1990 (the base year). Earlier calving is better and therefore low breeding values (high breeding value indices) are better. For weaning weight, higher values are better.

Sub-values combine similar breeding values in a scientific manner to simplify the selection of animals. For example, AFC (age at first calving) and ICP (inter-calving period) are combined to form the sub-value Fertility by taking the heritability and economic importance in consideration. The sub-value is expressed in an index format, thus an animal with a sub-value of 110 for Fertility will genetically be above average compared to the live animals in the breed.

Selection Values (Cow Value and Growth Value) combine the sub-values into a single value. This gives a quick and easy indication of the combined genetic value of an animal compared to the breed. It is advised to still look at the sub-values to see where the strengths and weaknesses lie.

How to use breeding values to select animals

Selecting animals on breeding values is easy if you know how. There is a common saying that "good nutrition can mask poor breeding". This is very true. If an animal that is genetically inferior is fed well, it can appear as a great animal. This great performance will not be passed over to future generations. An animal that is genetically superior can appear to be inferior if its environment did not allow it to reach its true potential. It is best to select animals that are most adapted to the environment and can reach their full potential. To continuously adapt the environment to the animal can be expensive.

The reason why the use of breeding values is such a valuable tool is because it "removes" the environmental effect that contributes to the performance.

Scientific methods are used to determine how much of the performance is due to genetics and to identify genetically superior animals. This involves the measurement of animals under controlled environments, complete record keeping and pedigree information. *If performance recording and pedigree information are not done correctly, breeding values of these animals will not be useful.* Keep in mind that breeding is a long-term option: the effect of a bull selected/bought today will only show much later. If it is a good decision, his daughters will become part of the breeding herd and contribute to overall profitability in future.

Even if a bull is not perfect in all aspects, knowing the shortcomings will allow strategic selection with suitable cows. Traits are genetically correlated, meaning that a change in one trait can lead to a change in another. This change can be favourable or unfavourable. An increase in weaning weight can lead to an increase in birth weight, which can lead to calving difficulty. It is therefore advisable to not only select on a single trait. Take other traits in consideration to avoid negative effects.

How to improve the herd genetically

The first and most important aspect is to know what type of animal will improve the herd genetically. This can be determined through the following factors:

What happens to the calves? For example: used as replacement heifers, sold as stud animals or sold to commercial breeders who sell weaner calves.

How much feed is available? The availability of feed (or the hardness of the environment) determines the optimal frame size. If feed is abundant and the environment is less harsh, larger animals would be ideal. If not, medium framed animals would be ideal.

What is the genetics of the cow herd? Are they the wrong frame type, grow too slowly, do not have enough milk, etc.? Always aim to breed a calf that is superior to its dam.

Conclusion

Different types of bulls are suitable for different types of cows, environments and breeding objectives. Inbreeding should be avoided or limited as much as possible. Mating programs are available to aid in the pairing of bulls and cows.

The data used for this evaluation is pedigree information and performance data found on LOGIX as provided by breeders. All attempts are made to present accurate information. SA Stud Book takes no responsibility for the use and interpretation of information presented in this report.

