

HEREFORD

GENOMIC BREEDING VALUE REPORT

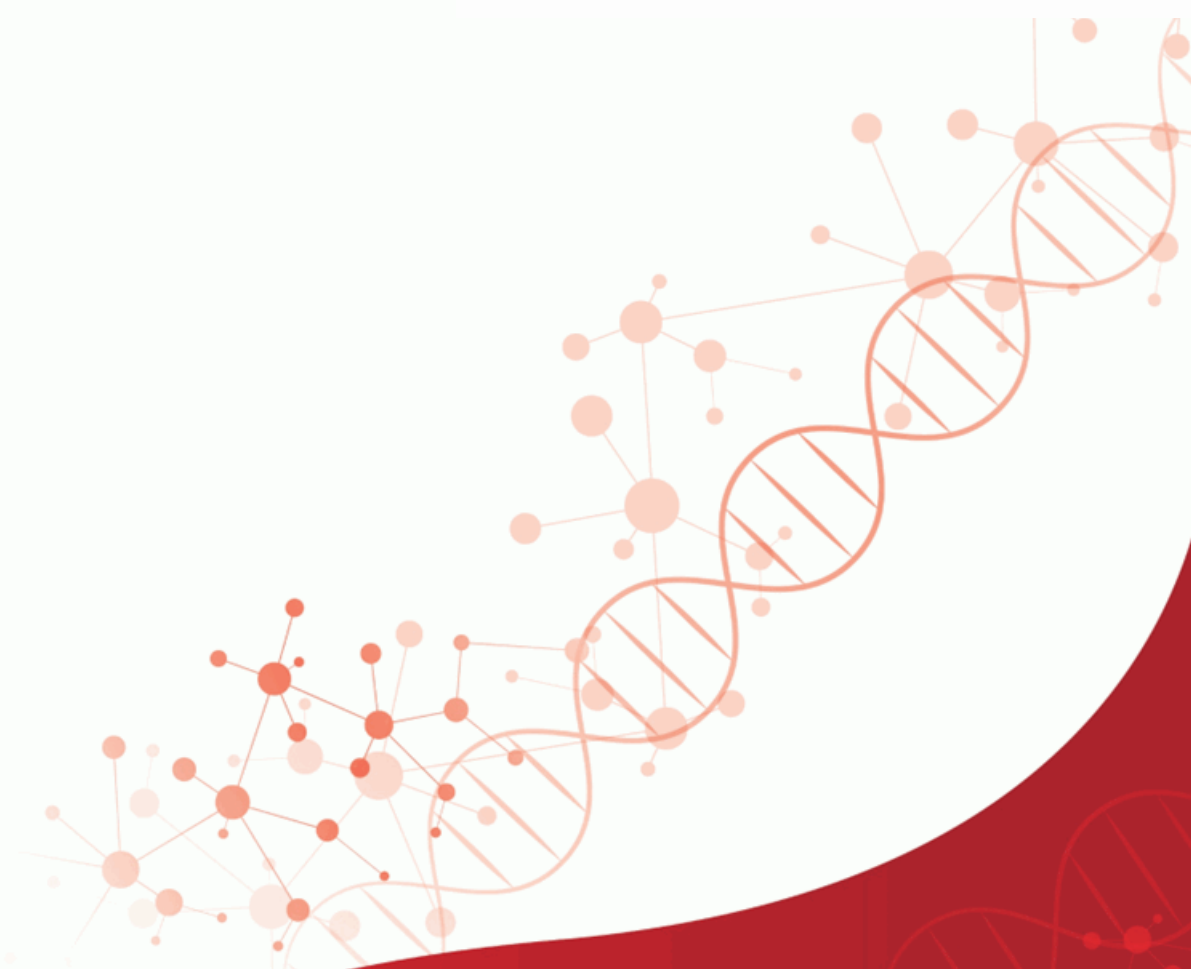
September 2026



ESKDALE FARMING PTY LTD

Herd Number: 701807

E-mail: admin@cottsfarm.com



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.

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 Carcass Value

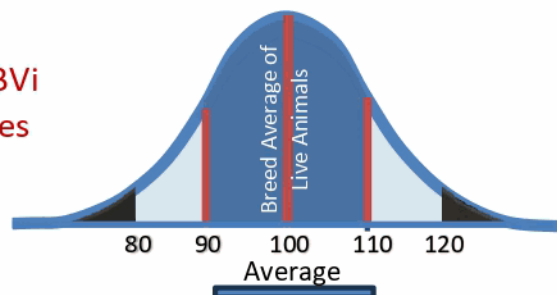
Select for more meat on the carcass as measured from end weight in Phase C and D Growth Tests and RTU scanning.

LOGIX Production Value

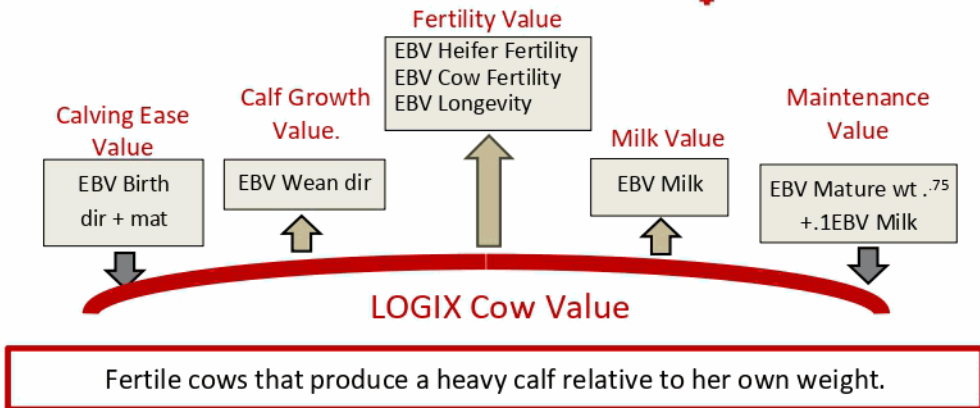


80% LOGIX Cow Value +
20% LOGIX Growth Value

Interpretation of EBVi and Selection Values



LOGIX Cow Value



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)

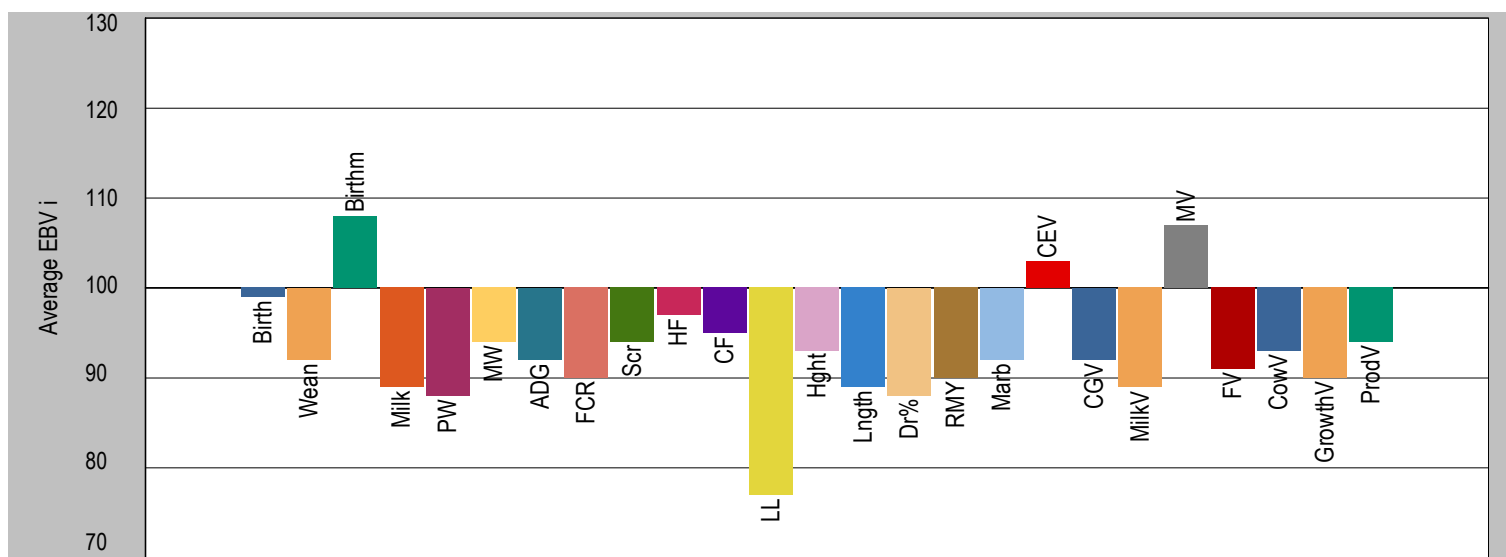
- Maintenance Value >110
 - Cow Value and Fertility Value average to high
- Lighter cows have a lower maintenance.

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
Prewrite Growth	Birth Weight	0.81	99	0.77
	Wean Weight	14.5	92	18.0
	Birth Mat.	0.23	108	0.57
	Milk (Wn.Mat.)	4.9	89	8.0
Postwean Growth	Postwean Wt	25.5	88	33.0
	Mature Weight	27	94	34
	ADG	105	92	133
	FCR	-63	90	-75
Fertility	Scrotal Circumf.	13.1	94	16.0
	Heifer Fertility	-3.4	97	-5.6
	Cow Fertility	-2.2	95	-2.9
	Longevity	26.2	77	36.2
Frame	Height	18	93	22
	Length	20	89	31
Carcass	Dressing%	-0.07	88	0.10
	RedMeatYield	-0.7	90	1.3
	Marbling	-0.65	92	-0.29

Selection Value	Ave. Herd
Calving Ease	103
Calf Growth	92
Milk	89
Maintenance	107
Fertility	91
Cow Value	93
Growth Value	90
Production Value	94

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

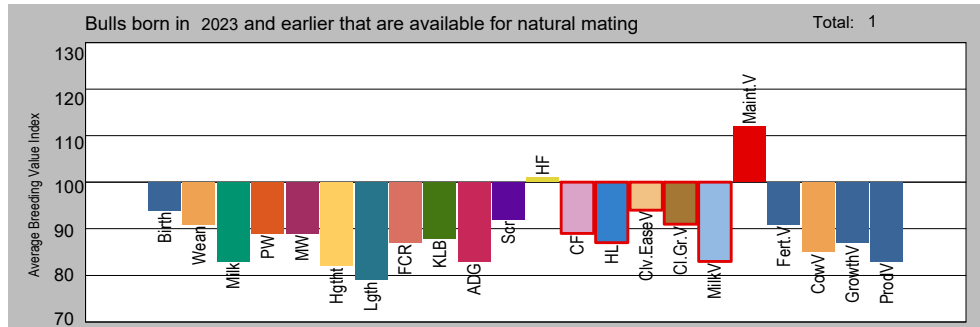
What does a sub-selection value above breed average (100) mean?:

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

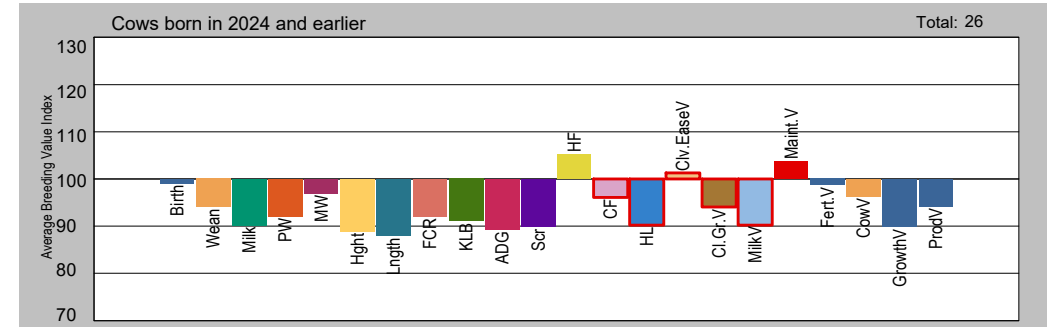
Genetic Windows

Animals available for breeding

Bulls on the farm

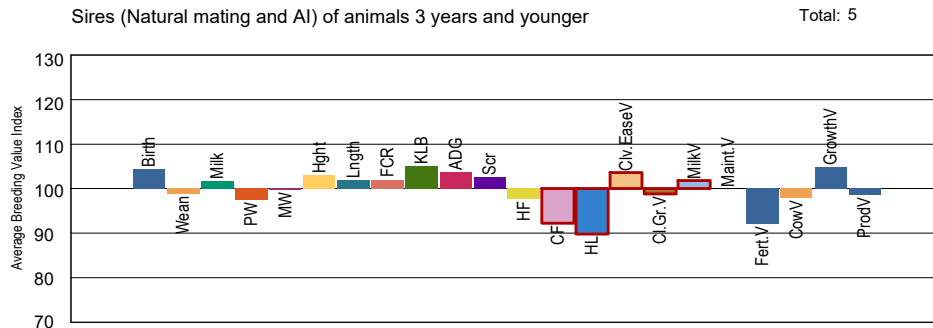


Cow Herd

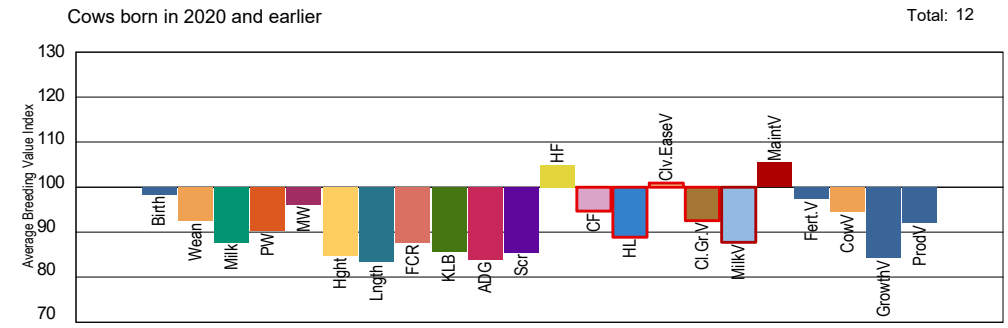


Results of previous selection decisions

Sires of young animals

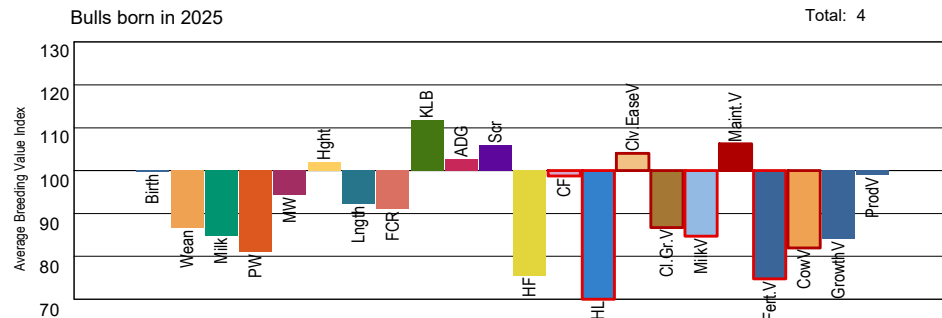


Cows older than 6 years

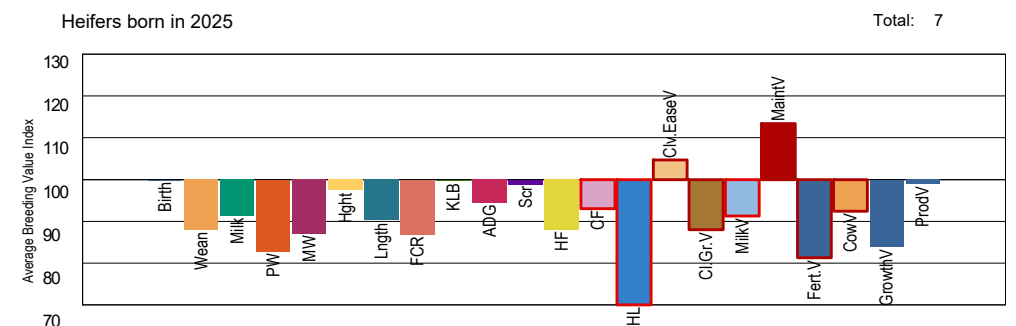


Selection possibilities

Bull calves



Heifer calves

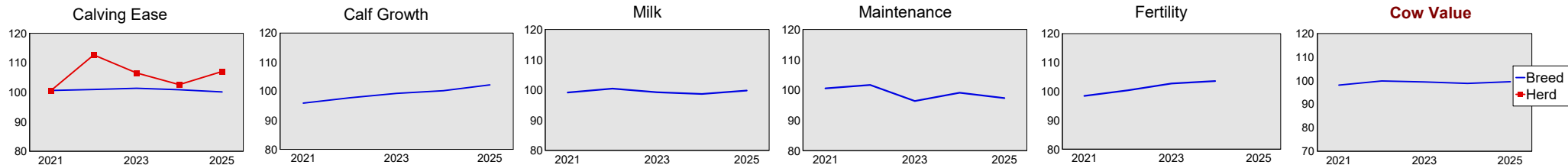


Summary of Cow Herd

			Selection Values (SV)								Calf Weight		Dam		Growth & Efficiency				Fertiity				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	100	99	99	99	99	98	101	100	100	99
2016	2	★★★★☆	106	94	93	112	87	101	84	98	102	94	109	93	92	91	83	84	85	97	86	89	83	82
2017	3	★★★★	98	95	89	95	103	94	89	92	97	95	104	89	93	106	89	92	88	109	98	98	85	85
2018	5	★★★★	104	90	86	112	99	97	79	93	99	90	111	86	87	90	78	79	84	107	96	86	83	81
2020	2	★★★★☆	94	95	85	98	95	84	91	83	95	95	100	85	95	103	92	96	86	102	96	83	91	88
2021	2	★★★★☆	96	83	88	104	108	86	90	83	93	83	107	88	86	97	83	88	77	120	99	83	89	83
2022	3	★★★★☆	112	94	89	113	100	107	93	99	108	94	109	89	88	87	86	86	92	108	94	95	87	90
2023	6	★★★★	100	97	91	101	96	95	101	96	98	97	106	91	95	99	100	104	101	98	100	87	95	93
2024	7	★★★★	105	94	92	105	85	94	98	114	102	94	108	92	90	95	99	103	99	90	94	72	99	94
2025	7	★★★★	105	88	91	113	81	92	84	99	100	88	113	91	83	87	94	100	99	88	93	62	97	90
Cows in Herd Average:			102	92	89	106	95	94	90	95	99	92	107	89	90	95	89	92	90	102	95	84	90	87

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.



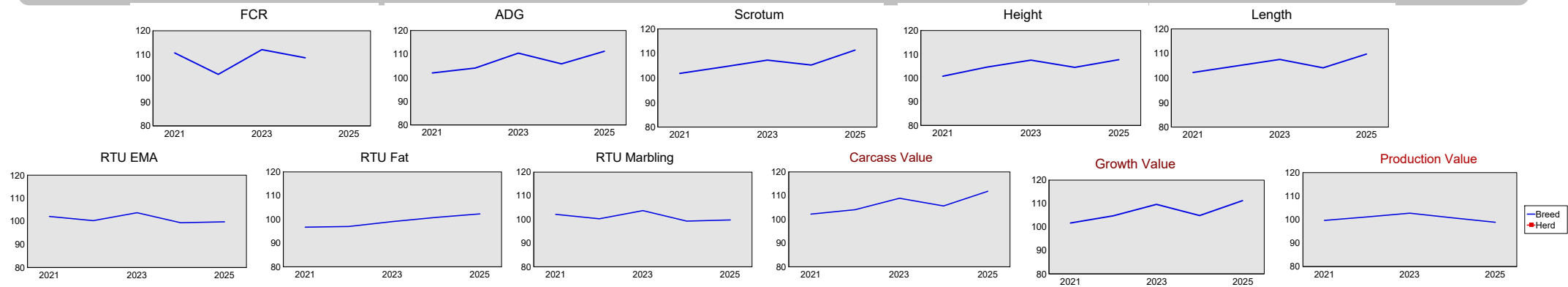
Herd

Birth Year	Calving Ease				Calf Growth			Milk		Maintenance				Fertility						Cow Value		
	Birth Weight		Mat EBV	Calv. Ease	Weaning Weight		Calf Growth	Milk (Wn.Mat.)		Postwean Weight		Mature Weight		Maintenance	Heifer Fert.		Cow Fert.		Longevity		Ferti- lity	
	Number	Dir EBV			Number	EBV		Number	EBV	Number	EBV	Number	EBV		Number	EBV	Number	EBV	Number			EBV
2021	7	0.95	0.25	101															7	28.5		
2022	5	0.06	0.22	113																		
2023	8	0.49	0.27	107																		
2024	9	0.80	0.23	103																		
2025	13	0.59	0.08	107																		

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		Ferti- lity		
	Number	Dir EBV			Number	EBV		Number	EBV		Number	EBV	Number	EBV		Number	EBV	Number	EBV	Number	EBV		Number	
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			
2021																									
2022																									
2023																									
2024																									
2025																									

Breed

Birth Year	Growth									Frame						Carcass						Selection Values			
	FCR			ADG			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		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. Ease Value	Calf Grwth Value	Milk Value	Maint. Value	Fertility Value	Cow Value	Growth Value	Prod Value	Birth Dir	Wean Dir	Birth Mat.	Wean Mat.	Post wn wt	Mature weight	ADG	FCR	Scrotal	Heifer Fertility	Cow Fertility	Long-evi ty	Height	Length	EMA	Fat	Marbling	Birth Grwth Test	Wean Dgt/Calvs.
	Name																												
183F	Z303 57B	TH MASTERPLAN 183F	103	100	86	102	74	84	116	87	108	100	89	86	94	99	108	108	117	72	87	90	100	98	111	93	92	34	24
			90	91	83	82	68	82	84	82	0.21	17.8	1.00	4.0	29.3	32	165	-86	24.7	13.6	-0.9	31.9	23	29	1.36	-0.76	-0.67	7	3 3
36E	43092364 91H 100W NJW LONG HAUL 36E ET1Z		116	101	126	110	86	117	95	115	115	101	104	126	94	87	100	95	97	97	80	97	102	102	98	92	90	8	
			66	49	41	32	38	44	24	40	-0.33	18.5	0.39	15.4	29.4	20	132	-68	14.5	-3.2	0.1	34.9	24	33	0.35	-0.81	-0.76		
			76	49				43	41					34	32	32	12	35	39	21	54	36	35	32	30	30			
5051	P43214853 43290330	KT SMALL TOWN KID 5051 ET	105	104	95	94	108	108	104	108	101	104	111	95	104	107	102	102	107	121	96	89	93	96	106	113	109	25	10
			82	80	64	49	56	65	53	63	0.71	19.7	0.13	6.6	35.3	40	142	-77	19.3	-20.1	-2.4	31.2	18	27	0.98	1.25	0.13		4 5
			90	80				66	64					58	49	57	46	61	65	32	71	61	60	55	53	52			
84F	11B ET 31C	BG LCC 11B PERFECTO 84F	119	103	108	123	93	126	106	126	117	103	107	108	96	77	104	94	93	88	99	101	87	105	103	116	96	24	19
			78	81	49	38	43	58	30	52	-0.45	19.2	0.29	10.3	30.2	10	149	-68	12.6	3.0	-2.8	36.8	14	35	0.74	1.54	-0.46	2	3 5
			88	81				55	49					46	38	44	10	51	52	15	62	52	50	46	41	34			
JR 130005	WDW 080082 WDW 060066	ROGER 0513	97	93	73	87	96	82	92	81	96	93	105	73	92	116	91	93	89	96	105	75	89	85	100	100	109	115	76
			94	95	87	69	71	81	48	74	1.09	14.9	0.38	0.0	28.1	51	101	-66	10.5	-2.9	-3.7	25.0	15	16	0.51	0.00	0.14		20 55
			97	95				87	87					84	69	53	41	56	79	45	90	56	55	49	47	46			
KRM 140043	FF 100225 KRM 110009	140043	112	79	62	165	88	91	59	85	107	79	112	62	68	53	55	53	92	109	80	74	66	69	68	78	70	36	30
			88	91	78	65	64	76	48	70	0.22	9.3	0.06	-3.0	12.5	-15	-36	-15	11.8	-11.8	0.2	24.5	1	0	-1.88	-2.23	-1.74	5	7 22
			93	91				76	78					66	65	75	14	82	68	43	81	83	81	77	72	71			
KRM 160032	KRM 130069 KRM 120035	VICTORHEIM 160032	99	101	108	106	86	104	112	106	97	101	104	108	109	92	117	122	68	103	82	76	81	92	86	140	109	36	29
			86	90	73	59	59	72	52	68	0.97	18.4	0.40	10.4	38.7	26	198	-103	-0.1	-7.4	-0.2	25.6	11	23	-0.54	3.89	0.17	10	2 7
			93	90				71	73					72	59	80	19	86	60	39	78	86	85	81	77	76			
M326R117	M326 83K8M	SHF RIB EYE M326 R117	116	98	95	107	85	108	105	108	112	98	110	95	87	92	102	104	122	63	114	92	105	100	118	79	100	31	31
			88	90	81	62	64	75	58	72	-0.16	17.2	0.15	6.6	24.9	25	140	-80	27.2	19.8	-5.0	32.5	26	31	1.83	-2.11	-0.30	12	9 31
			92	90				79	81					68	62	77	35	83	70	40	81	84	82	79	75	74			
PNP 140003	WDW 080082 WDW 090007	PUTTERGILL CALYPSO14	103	99	83	105	100	96	80	93	100	99	109	83	95	96	83	90	90	103	102	82	92	89	94	93	103	5	5
			73	70	61	52	53	61	48	58	0.80	17.6	0.19	3.0	30.1	30	68	-62	10.9	-7.8	-3.2	28.1	18	20	0.03	-0.71	-0.13		1 1
			76	70				65	61					52	52	52	41	54	55	36	69	54	53	49	47	47			
PNP 140007	WDW 080082 PNP 110012	RANGER 14007	95	82	114	119	105	100	67	94	96	82	98	114	83	80	69	77	78	134	84	69	69	69	76	94	91	36	14
			87	86	74	56	62	71	42	65	1.03	10.3	0.64	12.0	22.2	13	19	-46	5.0	-29.2	-0.5	22.4	3	0	-1.31	-0.60	-0.74		4 13
			93	86				75	74					58	56	46	36	48	66	39	81	49	48	44	42	41			
PNP 180069	P43145081 PNP 120017	COOL CAT 18069	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
			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		2 3
											90	85	67	67	50	40	23	11	25	53	29	69	60	57	22	21	20		

Sires

Bull				Selection Values									Calf		Dam		Growth				Fertility				Frame		Carcass			Measured Progeny	
ID	Index EBV Acc	Sire ID	Dam ID	Calv. Ease Value	Calf Grwth Value	Milk Value	Maint. Value	Fertility Value	Cow Value	Growth Value	Prod Value	Birth Dir	Wean Dir	Birth Mat.	Wean Mat.	Post wn wt	Mature weight	ADG	FCR	Scrotal	Heifer Fertility	Cow Fertility	Long-evi ty	Height	Length	EMA	Fat	Marbling	Birth Grwth Test	Wean Dgt/Calvs.	
PNP 200089				6153																											
PNP 130058				93	114	97	93	76	84	119	88	96	114	93	97	113	107	117	108	117	72	91	92	121	122	116	92	97			
PYGA 20089				83	92	52	34	44	61	22	53	1.07	23.9	0.84	7.2	41.1	41	195	-85	24.5	13.9	-1.5	32.5	36	52	1.69	-0.85	-0.42	60	52	
WDW 170160				DVB 140098																											
WDW 140159				99	87	80	105	91	81	98	82	97	87	106	80	89	96	104	107	92	95	97	76	104	101	102	92	100			
LINESPEED				88	92	77	60	54	73	34	65	0.97	12.6	0.31	2.1	25.7	29	147	-84	11.9	-2.4	-2.4	25.4	25	32	0.68	-0.85	-0.30	57	49	
WDW 190007				P43214415																											
WDW 160127				101	75	105	101	116	96	90	95	102	75	98	105	82	98	92	97	75	126	107	81	99	92	90	80	87			
TRUST				93	95	85	81	77	84	78	83	0.58	7.5	0.63	9.5	21.6	32	103	-72	3.3	-23.5	-4.0	27.6	22	23	-0.22	-2.06	-0.92	101	60	
WLB90X				10H83T																											
50S35U				123	104	94	107	87	113	104	114	117	104	115	94	98	92	99	100	87	93	89	85	92	93	98	93	98			
				92	92	85	70	66	79	68	77	-0.52	19.6	-0.05	6.3	31.9	26	130	-75	9.2	-0.7	-1.3	29.7	17	24	0.34	-0.74	-0.36	58	44	
WLB LEGO 83T 90X																															

Breeding Values and Accuracies: Bulls

Green: >120 High
White: 80-120 Average
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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																															
DWS 230014	183F	98748700	PNP 180039	94 63	91 55	83 34	112 24	91 29	85 41	87 24	83 38	78 32	94 1.22 73	101 0.53 40	89 22 24	91 14.1 55	83 3.0 34	80 60 38	89 25.6 38	83 71 33	87 -59 11	92 12.0 38	101 -6.1 29	89 -1.1 16	87 30.5 41	82 11 38	79 10 37	88 -0.38 34	91 -0.95 31	88 -0.84 30	
DWS 230014																															
DWS 240034	5051	98748627	DWS 200010	94 63	96 48	91 40	95 31	101 33	94 42	97 29	94 39	95 28	92 1.32 71	106 0.34 45	105 39 31	96 16.4 48	91 5.5 40	86 74 40	99 32.1 33	98 124 31	99 -74 25	97 14.5 33	111 -13.5 38	95 -2.2 19	87 30.5 43	93 18 33	93 24 33	93 -0.02 29	101 0.07 28	103 -0.15 27	
DWS 240034																															
DWS 240038	36E	98748726	PNP 180039	103 62	91 43	103 33	116 25	97 29	109 38				100 0.78 72	108 0.25 40	83 16 25	91 14.2 43	103 8.8 33	93 88 34	88 25.1 26	79 54 21	80 -49 13	82 6.9 23	113 -14.5 30	85 -0.7 19	91 32.1 39	83 12 23	80 12 23	80 -1.01 21	104 0.36 20	92 -0.66 19	
DWS 240038																															
DWS 240040		97699334	PNP 160074	101 58	87 34	90 29	104 20	76 23	84 32			94 12	97 1.01 68	112 0.10 36	96 29 20	87 12.6 34	90 5.0 29	83 68 28	81 20.7 18	98 127 14	89 -61 11	104 18.2 15	77 10.2 27	100 -2.9 14	49 13.4 29	102 24 15	92 23 15	85 -0.61 13	88 -1.24 12	90 -0.75 12	
DWS 240040																															
DWS 250013		99980153	DWS 230015	123 53	79 28	92 18	109 13	69 14	91 25			99 19	119 -0.61 66	112 0.10 25	91 24 13	79 9.2 28	92 5.6 18	80 61 20	73 15.7 20	107 160 19		108 19.9 21	71 14.7 14	95 -2.1 8	47 12.5 20	104 25 22	95 26 21	89 -0.34 20	96 -0.48 18	88 -0.87 18	
DWS 250013																															
DWS 250018		99980161	PNP 170074	94 61	89 38	88 38	102 30	84 26	82 38			96 12	90 1.52 71	110 0.16 39	98 31 30	89 13.4 38	88 4.6 38	83 66 35	83 22.0 28	101 138 14	92 -65 11	108 20.2 15	81 7.4 30	106 -3.9 15	57 17.0 32	98 21 16	90 21 15	87 -0.48 13	92 -0.79 12	94 -0.57 12	
DWS 250018																															
DWS 250019		99980187	PNP 180084	106 60	85 36	78 29	105 22	72 23	76 33			94 14	102 0.62 70	111 0.10 37	96 29 22	85 11.9 36	78 1.6 29	72 42 29	80 20.0 25	101 138 16	90 -62 12	105 18.6 16	74 12.4 25	95 -2.2 14	47 12.8 30	105 25 17	93 23 16	85 -0.58 14	87 -1.34 13	91 -0.73 13	
DWS 250019																															
DWS 250030		99980658	PNP 200029	93 59	94 35	81 28	109 22	74 21	79 32			95 14	88 1.66 70	113 0.02 35	92 25 22	94 15.4 35	81 2.4 28	82 64 28	88 25.2 25	102 140 16	91 -64 13	103 17.5 17	76 10.6 23	99 -2.8 13	44 11.1 28	101 23 17	91 22 17	87 -0.44 15	89 -1.10 14	92 -0.68 14	
DWS 250030																															

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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																													
PNP 160007 85354074 MIMSI 16007		WLB90X FF 130235	117 81	91 66	92 73	132 50	75 47	107 61	84 36	104 56	81 32	111 -0.07 83	114 -0.01 78	72 4 50	91 14.1 66	92 5.6 73	98 101 63	90 26.6 50	82 64 38	86 -57 32	81 6.6 41	91 0.4 49	72 1.5 30	88 30.7 62	77 8 42	76 8 41	83 -0.75 34	90 -1.01 31	87 -0.91 31
PNP 160074 84307149 INDIGO 16074		PNP 140003 PNP 110018	94 78	96 67	94 59	91 39	99 47	94 56	83 26	92 50	86 26	93 1.28 80	103 0.46 73	109 43 39	96 16.1 67	94 6.2 59	88 79 55	93 28.3 35	84 72 28	89 -60 21	88 9.9 30	103 -7.9 55	99 -2.7 27	89 31.5 58	89 16 30	88 19 30	91 -0.18 26	90 -1.07 25	96 -0.48 24
PNP 170007 85355857 KIRSTY 17007		WLB90X FF 140232	107 78	105 75	82 70	108 53	96 47	97 63	96 37	97 58	92 33	101 0.68 78	116 -0.07 78	93 26 53	105 20.2 75	82 2.6 70	91 86 66	101 33.4 54	95 113 37	98 -73 33	86 9.0 41	107 -10.6 49	89 -1.3 31	92 32.6 60	93 18 42	91 21 40	97 0.31 34	85 -1.53 32	92 -0.69 31
PNP 170074 86394178 MOIRA 17074		JR 130005 PNP 110012	91 82	94 76	95 75	88 59	115 52	98 67	89 26	96 59	89 25	92 1.33 84	97 0.71 78	114 48 59	94 15.5 76	95 6.4 75	86 74 70	92 27.6 55	89 93 29	95 -69 21	96 13.9 31	111 -13.4 61	112 -4.7 31	106 38.7 64	81 11 31	84 15 31	94 0.07 26	99 -0.17 24	103 -0.12 24
PNP 170090 86394293 MEGAN 17090		JR 130005 PNP 120010	96 76	86 59	91 58	90 41	99 46	86 54	82 26	84 48	81 25	98 0.95 79	98 0.65 68	111 45 41	86 12.2 59	91 5.4 58	79 57 53	86 24.1 47	82 65 29	85 -55 21	83 7.4 31	108 -11.3 51	92 -1.6 29	95 34.1 59	81 11 31	80 11 31	87 -0.43 26	94 -0.60 24	94 -0.58 24
KRM 180018 88070271 RENE 180018		M326R117 KRM 150039	109 70	95 70	90 53	111 42	89 42	103 55	92 34	101 51	89 43	104 0.45 76	113 0.04 57	89 22 42	95 15.9 70	90 4.9 53	92 87 55	88 25.2 45	91 101 46	96 -71 19	100 15.9 49	80 7.9 46	107 -3.9 26	82 28.3 55	92 18 50	86 17 49	96 0.22 44	93 -0.72 42	87 -0.90 41
KRM 180031 87944229 SHELIA 180031	5	KRM 140043 KRM 150049	119 75	89 70	87 52	136 43	113 45	124 56	64 30	117 51	70 44	115 -0.37 79	111 0.12 66	70 2 43	89 13.5 70	87 4.2 52	93 90 55	80 20.3 44	59 -21 45	63 -27 11	90 10.8 49	120 -19.1 45	104 -3.5 32	97 35.1 58	78 9 49	81 12 48	75 -1.35 45	104 0.35 42	80 -1.24 41
KRM 180044 87950606 SYMPHONY 180044	4	KRM 160032 KRM 140040	109 76	87 72	107 55	97 43	96 44	107 57	93 32	106 52	95 45	104 0.50 80	114 0.00 66	102 35 43	87 12.7 72	107 10.0 55	96 96 57	88 25.4 47	94 112 47	97 -72 13	72 1.9 51	109 -11.5 43	91 -1.5 32	81 27.6 57	86 14 51	90 21 50	85 -0.65 46	117 1.67 44	89 -0.80 43
PNP 180039 87639704 POPPY 18039	2	PNP 140007 FF 140248	90 75	81 72	80 52	123 40	108 45	80 56	57 26	73 50	59 26	86 1.81 79	111 0.12 66	79 12 40	81 9.8 72	80 2.1 52	75 49 55	81 20.5 40	58 -24 28	63 -28 23	67 -0.7 30	129 -25.9 45	90 -1.4 31	84 29.2 58	64 0 30	59 -10 29	65 -2.13 26	89 -1.14 25	85 -1.01 24
PNP 180084 88144704 ANGEL 18084	2	JR 130005 FF 140231	91 79	98 72	66 58	93 45	89 46	70 59	90 29	69 53	86 28	88 1.64 82	106 0.31 73	110 44 45	98 17.3 72	66 -1.8 58	68 33 58	96 30.7 50	90 94 31	91 -63 25	90 10.7 33	97 -3.6 50	89 -1.3 29	87 30.4 60	95 20 33	89 20 32	92 -0.11 28	88 -1.27 27	97 -0.44 26
DWS 200010 93126654 DWS 200010	2	WDW 170160 PNP 170090	94 65	88 54	88 48	97 36	95 36	83 47	90 22	82 42	89 18	95 1.11 67	98 0.67 61	103 37 36	88 13.1 54	88 4.3 48	80 59 46	89 26.2 30	93 106 24	96 -70 17	87 9.6 26	102 -6.9 39	94 -2.0 20	86 29.8 48	93 18 26	91 22 26	95 0.12 18	93 -0.73 17	97 -0.44 17
PNP 200029 90664467 KIRSTY 20029	1	JR 130005 PNP 170007	94 76	101 69	81 56	99 44	95 44	85 57	91 30	84 52	87 29	94 1.24 79	102 0.48 70	102 36 44	101 18.6 69	81 2.4 56	84 70 56	100 32.7 50	90 97 32	93 -67 26	85 8.5 35	102 -7.0 47	97 -2.4 27	79 27.0 57	88 15 35	85 16 34	95 0.16 30	92 -0.79 28	99 -0.34 28

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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																														
DWS 210003 93126662 DWS 210003	1	WDW 190007 PNP 180039	100 62	76 59	91 45	111 34	112 35	88 46			72 20	96 1.05 65	110 0.18 54	89 22 34	76 7.9 59	91 5.2 45	78 55 46		80 19.8 28	75 40 21	81 -51 14	71 1.3 23	128 -24.7 39	99 -2.7 20	82 28.4 46	81 11 23	75 7 22	78 -1.18 20	84 -1.60 19	86 -0.96 18
PNP 210063 92235571 ANGEL 21063	1	WDW 190007 PNP 180084	91 69	89 59	84 46	97 35	103 35	84 48	90 20	83 42	85 20	90 1.50 78	104 0.42 51	104 38 35	89 13.3 59	84 3.4 46	77 54 47		91 27.5 31	91 99 22	94 -68 15	82 7.0 24	111 -13.5 41	98 -2.7 18	84 29.0 47	97 21 24	90 21 23	91 -0.17 21	84 -1.67 19	92 -0.68 19
DWS 220006 94337011 DWS 220006		183F PNP 180039	93 58	90 55	83 34	111 24	96 29	85 40	84 24	82 37	78 32	94 1.18 63	96 0.71 48	89 22 24	90 13.6 55	83 3.0 34	85 71 38		87 24.6 38	80 58 33	81 -51 11	90 10.8 38	107 -10.5 29	89 -1.3 16	90 31.8 41	81 11 38	79 10 37	89 -0.30 34	94 -0.67 31	89 -0.81 30
DWS 220018 94337052 DWS 220018	1	PNP 180069 KRM 180031	124 69	89 55	90 43	113 30	110 34	119 45			85 24	120 -0.73 76	110 0.16 54	87 20 30	89 13.3 55	90 5.1 43	89 79 43		82 21.4 33	80 59 25	85 -56 8	95 13.2 27	119 -18.4 35	99 -2.8 22	98 35.4 45	91 17 39	92 23 37	86 -0.51 25	102 0.12 23	90 -0.79 23
DWS 220022 94337060 DWS 220022		84F PNP 170007	119 69	103 55	95 43	115 33	94 32	116 46	101 24	115 42	97 28	111 -0.01 76	121 -0.28 54	85 18 33	103 19.1 55	95 6.4 43	91 85 44		95 29.9 36	99 131 29	96 -70 17	90 10.8 33	97 -3.8 36	94 -2.0 17	97 34.7 43	90 16 33	98 28 32	92 -0.08 29	99 -0.09 26	115 0.43 23
DWS 230004 95501540 DWS 230004		183F DWS 200010	98 51	94 50	87 33	99 23	84 25	86 36	103 22	87 33	93 32	101 0.66 57	93 0.83 38	101 35 23	94 15.4 50	87 4.1 33	82 64 35		92 27.7 36	101 135 32	102 -78 9	102 17.2 37	87 3.4 27	91 -1.4 10	88 30.9 38	96 20 38	95 25 36	103 0.74 33	93 -0.74 30	94 -0.55 29
DWS 230015 95501565 DWS 230015		183F KRM 180044	109 67	93 55	97 36	99 25	85 28	100 42	105 24	101 38	96 38	105 0.39 75	111 0.14 49	100 34 25	93 14.9 55	97 7.0 36	85 72 39		89 26.2 40	101 138 38	103 -79 7	95 13.3 43	90 1.1 28	89 -1.2 16	85 29.8 41	93 18 44	94 25 42	98 0.36 39	105 0.46 36	91 -0.74 35
DWS 230022 97699375 DWS 230022		183F PNP 180084	93 65	100 56	76 37	97 26	81 29	73 42	103 26	75 39	92 32	93 1.25 75	99 0.61 43	104 38 26	100 17.9 56	76 1.1 37	76 51 40		97 31.1 40	99 130 34	100 -75 13	104 17.7 38	85 5.0 31	88 -1.1 15	89 31.2 42	98 21 39	93 24 37	102 0.63 34	90 -1.02 31	94 -0.56 31
DWS 230031 97699383 DWS 230031		PNP 170007	108 60	92 38	84 35	113 26	75 23	92 36			97 16	101 0.67 69	118 -0.16 39	87 21 26	92 14.6 38	84 3.2 35	85 71 33		85 23.2 26	104 147 19	94 -67 16	104 17.7 20	79 8.8 24	95 -2.2 15	50 13.9 30	104 25 21	94 24 20	88 -0.37 17	86 -1.47 16	88 -0.85 15
DWS 230034 97699391 DWS 230034		5051 KRM 180031	110 66	97 53	91 41	112 33	111 36	114 45	84 32	111 42	85 35	106 0.32 75	111 0.10 47	88 21 33	97 16.8 53	91 5.4 41	93 89 42		93 28.3 36	81 61 36	83 -54 24	98 15.0 39	120 -19.6 40	100 -2.9 22	93 33.1 46	86 14 39	89 19 38	83 -0.76 36	107 0.61 34	94 -0.56 33
PNP 230021 94979176 MOIRA 23021	1	WDW 190007 PNP 170074	84 87	106 86	108 84	88 83	139 70	106 80	108 82	107 80	109 82	83 2.05 89	104 0.40 84	112 46 83	106 20.4 86	108 10.1 84	106 117 84		111 40.0 56	114 186 82	128 -111 82	104 17.9 82	125 -22.6 45	136 -8.5 82	114 42.3 84	93 18 82	94 25 82	104 0.83 82	92 -0.85 82	94 -0.56 82
DWS 240003 98748718 DWS 240003		36E DWS 210003	108 45	89 38	108 30	111 23	99 26	113 32			87 18	105 0.36 50	107 0.29 35	88 21 23	89 13.2 38	108 10.3 30	93 90 30		87 24.6 22	87 86 19	88 -60 9	84 7.9 21	112 -14.0 28	90 -1.3 14	90 31.7 35	92 17 21	89 20 21	86 -0.53 19	102 0.13 18	93 -0.64 17

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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																													
DWS 240011	PNP 200089	PNP 200029	92 66	108 58	88 42	96 28	86 31	83 45			102 18	93 1.25	98 0.65	105 38	108 21.5	88 4.5	95 93	107 37.2	103 146	101 -76	101 16.5	87 3.4	94 -2.0	85 29.7	105 25	103 34	106 0.93	92 -0.82	98 -0.38
DWS 240011												76	45	28	58	42	43	31	19	17	21	33	18	42	22	21	18	17	17
DWS 240012	PNP 200089	PNP 170074	88 67	106 60	94 49	90 34	95 34	87 48			103 16	90 1.53	96 0.73	110 44	106 20.4	94 6.3	96 95	104 35.5	103 144	102 -77	107 19.2	92 0.2	101 -3.1	99 35.6	101 23	103 33	105 0.88	95 -0.51	100 -0.27
DWS 240012												76	48	34	60	49	48	34	18	15	20	38	20	45	20	19	17	15	15
DWS 240013	PNP 180084		98 59	89 36	76 29	105 22	72 23	72 33			94 14	93 1.31	114 0.01	96 29	89 13.5	76 0.9	73 44	83 22.4	101 138	90 -62	105 18.6	74 12.4	95 -2.2	47 12.8	105 25	93 23	85 -0.58	87 -1.34	91 -0.73
DWS 240013												69	37	22	36	29	29	25	16	12	16	25	14	30	17	16	14	13	13
DWS 240015	PNP 160007		115 60	84 33	89 37	125 25	65 24	91 35			92 16	108 0.17	117 -0.11	77 10	84 11.2	89 4.9	88 77	79 19.4	97 123	88 -60	101 16.5	71 14.3	86 -0.8	48 13.0	96 20	86 17	81 -0.90	88 -1.21	86 -0.96
DWS 240015												69	39	25	33	37	32	25	19	16	21	25	15	31	21	20	17	16	15
DWS 240022	PNP 170007		119 60	87 38	87 35	113 26	75 23	97 36			97 16	113 -0.22	115 -0.04	87 21	87 12.5	87 4.2	84 69	80 20.1	104 147	94 -67	104 17.7	79 8.8	95 -2.2	50 13.9	104 25	94 24	88 -0.37	86 -1.47	88 -0.85
DWS 240022												69	39	26	38	35	33	26	19	16	20	24	15	30	21	20	17	16	15
DWS 240042	5051 KRM 180044		113 65	94 54	101 42	95 33	102 36	115 45	98 32	114 42	98 35	109 0.08	111 0.13	104 38	94 15.6	101 8.3	94 90	93 28.6	98 127	99 -75	89 10.6	115 -15.8	94 -1.9	85 29.4	89 16	93 24	88 -0.41	113 1.27	99 -0.34
DWS 240042												74	47	33	54	42	43	38	37	24	40	39	23	46	40	39	36	34	34
DWS 250001	36E DWS 220018		122 58	95 37	108 30	112 22	98 25	127 34			93 20	120 -0.74	107 0.30	87 20	95 15.9	108 10.3	99 102	87 24.7	90 96	90 -62	96 13.9	108 -10.8	90 -1.3	98 35.2	97 21	97 28	91 -0.20	110 0.99	95 -0.55
DWS 250001												69	34	22	37	30	30	24	20	7	22	26	15	35	26	25	20	19	19
DWS 250007	36E DWS 220006		98 82	89 79	102 78	111 77	100 60	102 74	84 78	99 75	90 78	94 1.18	109 0.21	88 22	89 13.5	102 8.5	99 101	87 24.5	83 70	77 -45	89 10.3	115 -15.7	86 -0.8	99 35.9	90 16	91 22	94 0.07	112 1.16	96 -0.50
DWS 250007												84	78	77	79	78	78	51	78	77	78	24	77	78	78	78	78	77	77
DWS 250017	PNP 170007		109 60	92 38	84 35	113 26	75 23	93 36			97 16	102 0.65	118 -0.16	87 21	92 14.5	84 3.3	85 71	85 23.1	104 147	94 -67	104 17.7	79 8.8	95 -2.2	50 13.9	104 25	94 24	88 -0.37	86 -1.47	88 -0.85
DWS 250017												70	39	26	38	35	33	26	19	16	20	24	15	30	21	20	17	16	15
DWS 250020	PNP 160007		112 60	85 33	89 37	125 25	65 24	90 35			92 16	106 0.35	117 -0.13	77 10	85 11.6	89 4.7	88 78	80 20.0	97 123	88 -60	101 16.5	71 14.3	86 -0.8	48 13.0	96 20	86 17	81 -0.90	88 -1.21	86 -0.96
DWS 250020												70	39	25	33	37	32	25	19	16	21	25	15	31	21	20	17	16	15
DWS 250024	DWS 200010		103 55	83 27	87 24	108 18	74 18	79 28			96 8	100 0.79	108 0.23	93 26	83 10.8	87 4.2	79 57	79 19.2	103 144	93 -66	104 18.1	76 10.7	98 -2.6	47 12.5	104 25	94 25	87 -0.46	90 -1.07	91 -0.72
DWS 250024												66	31	18	27	24	23	16	12	9	13	19	10	24	13	13	9	8	8
DWS 250032	PNP 180039		93 56	82 36	81 26	121 20	81 22	75 32			81 12	86 1.77	117 -0.14	81 14	82 10.6	81 2.4	77 54	78 18.5	86 79	77 -46	94 12.9	90 1.2	96 -2.3	46 12.2	89 16	78 9	72 -1.59	87 -1.28	85 -1.01
DWS 250032												66	33	20	36	26	27	20	14	11	15	22	16	29	15	15	13	12	12

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	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		
DWS 250036				96	90	88	104	76	81			94	91	113	96	90	88	84	83	98	89	104	77	100	49	102	92	85	88	90		
99980096			PNP 160074	57	34	29	20	23	32			12	1.45	0.04	29	13.6	4.5	69	22.2	127	-61	18.2	10.2	-2.9	13.4	24	23	-0.61	-1.24	-0.75		
DWS 250036													67	36	20	34	29	28	18	14	11	15	27	14	29	15	15	13	12	12		

Selection List on Cow Value

Bulls 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								
Sorted on ID																							
								★★★★☆															
1	DWS 240038	DWS 240038	36E	PNP 180039	0.0			103	62	91	43	103	33	116	25	97	29	109	38				
								★★★★															
1	DWS 240034	DWS 240034	5051	DWS 200010	0.1			94	63	96	48	91	40	95	31	101	33	94	42	97	29	94	39
								★★★★☆															
1	DWS 230014	DWS 230014	183F	PNP 180039	0.1			94	63	91	55	83	34	112	24	91	29	85	41	87	24	83	38
2	DWS 240040	DWS 240040		PNP 160074	0.0			101	58	87	34	90	29	104	20	76	23	84	32				

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	KRM 180031	SHELIA 180031	KRM 140043	KRM 150049	4.5					119	75	89	70	87	52	136	43	113	45	124	56	64	30	117	51
1	DWS 220018	DWS 220018	PNP 180069	KRM 180031	0.8					124	69	89	55	90	43	113	30	110	34	119	45				
2	DWS 220022	DWS 220022	84F	PNP 170007	0.2					119	69	103	55	95	43	115	33	94	32	116	46	101	24	115	42
3	DWS 230034	DWS 230034	5051	KRM 180031	0.1					110	66	97	53	91	41	112	33	111	36	114	45	84	32	111	42
4	DWS 240003	DWS 240003	36E	DWS 210003	0.0					108	45	89	38	108	30	111	23	99	26	113	32				
5	DWS 240042	DWS 240042	5051	KRM 180044	0.1					113	65	94	54	101	42	95	33	102	36	115	45	98	32	114	42
1	DWS 230015	DWS 230015	183F	KRM 180044	0.0					109	67	93	55	97	36	99	25	85	28	100	42	105	24	101	38
2	KRM 180018	RENE 180018	M326R117	KRM 150039	0.0					109	70	95	70	90	53	111	42	89	42	103	55	92	34	101	51
3	KRM 180044	SYMPHONY 180044	KRM 160032	KRM 140040	3.6					109	76	87	72	107	55	97	43	96	44	107	57	93	32	106	52
4	PNP 160007	MIMSI 16007	WLB90X	FF 130235	0.0					117	81	91	66	92	73	132	50	75	47	107	61	84	36	104	56
5	PNP 230021	MOIRA 23021	WDW 190007	PNP 170074	0.6					84	87	106	86	108	84	88	83	139	70	106	80	108	82	107	80
1	DWS 230031	DWS 230031		PNP 170007	0.0					108	60	92	38	84	35	113	26	75	23	92	36				
2	DWS 240015	DWS 240015		PNP 160007	0.0					115	60	84	33	89	37	125	25	65	24	91	35				
3	DWS 240022	DWS 240022		PNP 170007	0.0					119	60	87	38	87	35	113	26	75	23	97	36				
4	PNP 160074	INDIGO 16074	PNP 140003	PNP 110018	0.5					94	78	96	67	94	59	91	39	99	47	94	56	83	26	92	50
5	PNP 170007	KIRSTY 17007	WLB90X	FF 140232	0.0					107	78	105	75	82	70	108	53	96	47	97	63	96	37	97	58
6	PNP 170074	MOIRA 17074	JR 130005	PNP 110012	0.3	PcPc	0	0	0	91	82	94	76	95	75	88	59	115	52	98	67	89	26	96	59
1	DWS 200010	DWS 200010	WDW 170160	PNP 170090	1.7					94	65	88	54	88	48	97	36	95	36	83	47	90	22	82	42
2	DWS 210003	DWS 210003	WDW 190007	PNP 180039	0.8					100	62	76	59	91	45	111	34	112	35	88	46				
3	DWS 220006	DWS 220006	183F	PNP 180039	0.1					93	58	90	55	83	34	111	24	96	29	85	40	84	24	82	37

Selection List on Cow Value

Cows 2 years and older

ID Name Sorted on ID			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	
											★★★★★								
4	DWS 230004	DWS 230004	183F	DWS 200010	0.1						9851	9450	8733	9923	8425	8636	10322	8733	
5	DWS 240011	DWS 240011	PNP 200089	PNP 200029	0.2						9266	10858	8842	9628	8631	8345			
6	DWS 240012	DWS 240012	PNP 200089	PNP 170074	3.3						8867	10660	9449	9034	9534	8748			
7	PNP 170090	MEGAN 17090	JR 130005	PNP 120010	0.3						9676	8659	9158	9041	9946	8654	8226	8448	
8	PNP 180039	POPPY 18039	PNP 140007	FF 140248	1.8						9075	8172	8052	12340	10845	8056	5726	7350	
9	PNP 200029	KIRSTY 20029	JR 130005	PNP 170007	1.1						9476	10169	8156	9944	9544	8557	9130	8452	
10	PNP 210063	ANGEL 21063	WDW 190007	PNP 180084	0.8						9169	8959	8446	9735	10335	8448	9020	8342	
											★★★								
1	DWS 230022	DWS 230022	183F	PNP 180084	0.1						9365	10056	7637	9726	8129	7342	10326	7539	
2	DWS 240013	DWS 240013		PNP 180084	0.0						9859	8936	7629	10522	7223	7233			
3	PNP 180084	ANGEL 18084	JR 130005	FF 140231	2.2						9179	9872	6658	9345	8946	7059	9029	6953	

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 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	DWS 250013	DWS 250013	DWS 230015	0.0				12353	7928	9218	10913	6914	9125			
1	DWS 250018	DWS 250018	PNP 170074	0.0				9461	8938	8838	10230	8426	8238			
1	DWS 250019	DWS 250019	PNP 180084	0.0				10660	8536	7829	10522	7223	7633			
2	DWS 250030	DWS 250030	PNP 200029	0.0				9359	9435	8128	10922	7421	7932			

Selection List on Cow Value

Heifers younger than 2 years

ID Sorted on ID	Name	Sire ID	Dam ID	% Inbreeding HH: Horned, PcPc: Polled, PcH: Polled horn carrier	Polled nt821	Myostatin 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	DWS 250001	DWS 250001	36E	DWS 220018	0.0												
1	DWS 250007	DWS 250007	36E	DWS 220006	0.0												
1	DWS 250017	DWS 250017		PNP 170007	0.0												
2	DWS 250020	DWS 250020		PNP 160007	0.0												
1	DWS 250036	DWS 250036		PNP 160074	0.0												
1	DWS 250024	DWS 250024		DWS 200010	0.0												
2	DWS 250032	DWS 250032		PNP 180039	0.0												

★★★★★

★★★★★

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★★

122 58 95 37 108 30 112 22 98 25 127 34

98 82 89 79 102 78 111 77 100 60 102 74 84 78 99 75

109 60 92 38 84 35 113 26 75 23 93 36

112 60 85 33 89 37 125 25 65 24 90 35

96 57 90 34 88 29 104 20 76 23 81 32

103 55 83 27 87 24 108 18 74 18 79 28

93 56 82 36 81 26 121 20 81 22 75 32

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.

