

HEREFORD

GENOMIC BREEDING VALUE REPORT

November 2025



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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.

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

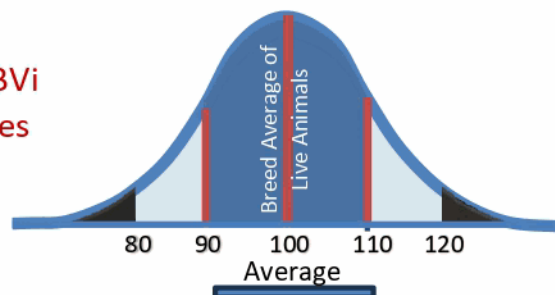
Select for more meat on the carcass as measured from end weight in Phase C and D Growth Tests and RTU scanning.

LOGIX Production Value

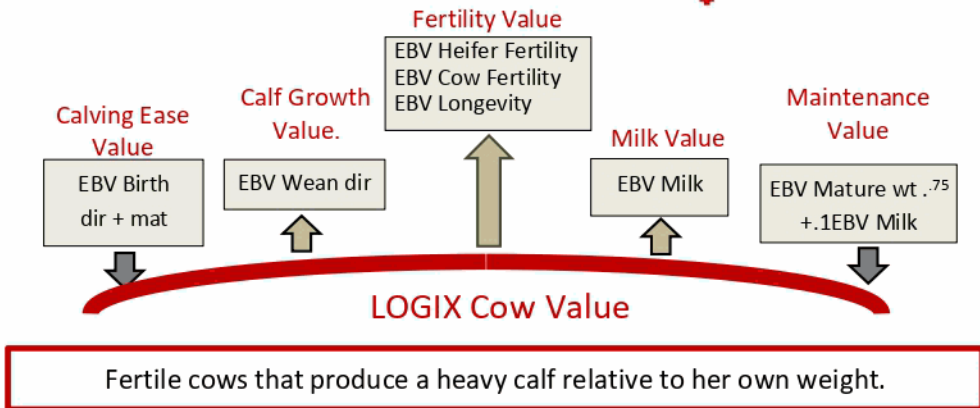


80% LOGIX Cow Value +
20% LOGIX Growth Value

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

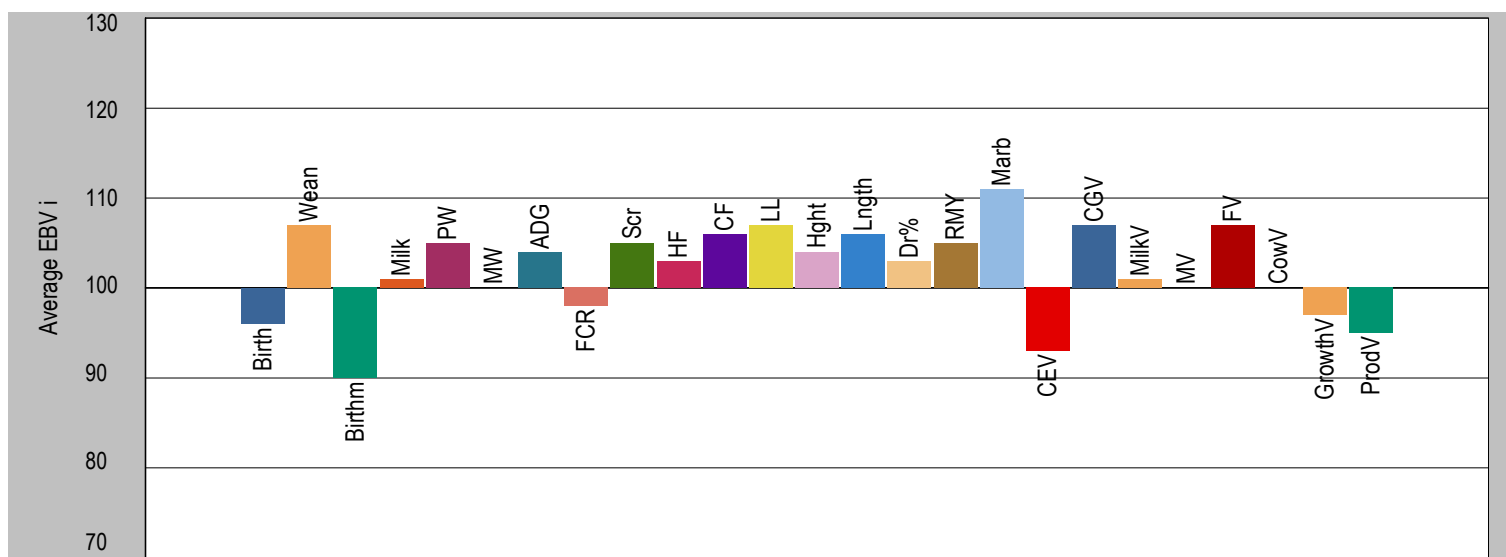
(HARSH ENVIRONMENT)

- 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

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	1.21	96	0.88
	Wean Weight	21.5	107	17.8
	Birth Mat.	0.91	90	0.47
	Milk (Wn.Mat.)	9.3	101	9.1
Postwean Growth	Postwean Wt	38.2	105	34.3
	Mature Weight	36	100	36
	ADG	159	104	142
	FCR	-73	98	-75
Fertility	Scrotal Circumf.	19.4	105	16.0
	Heifer Fertility	-9.0	103	-6.4
	Cow Fertility	-3.4	106	-2.2
	Longevity	42.5	107	39.0
Frame	Height	28	104	25
	Length	43	106	34
Carcass	Dressing%	0.13	103	0.08
	RedMeatYield	2.2	105	0.9
	Marbling	0.11	111	-0.61

Selection Value	Ave. Herd
Calving Ease	93
Calf Growth	107
Milk	101
Maintenance	100
Fertility	107
Cow Value	100
Growth Value	97
Production Value	95

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

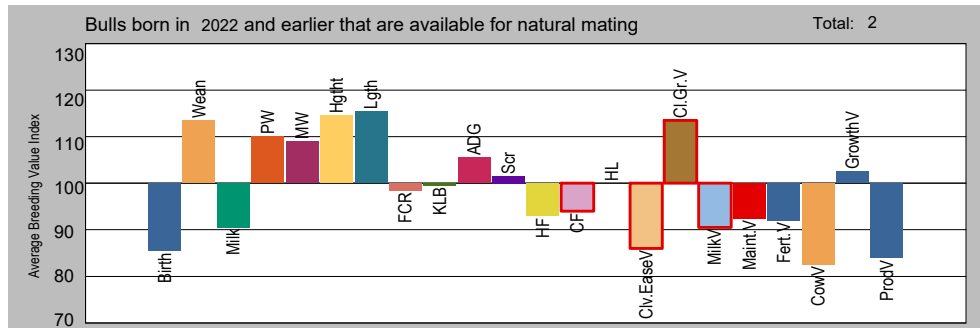
What does a sub-selection value above breed average (100) mean?:

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

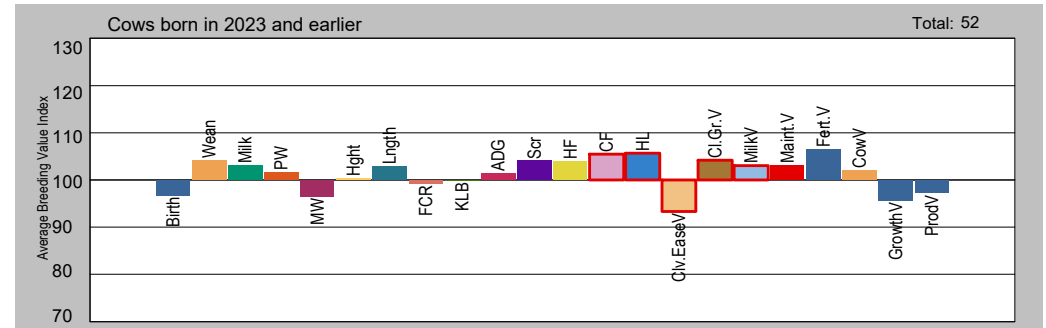
Genetic Windows

Animals available for breeding

Bulls on the farm

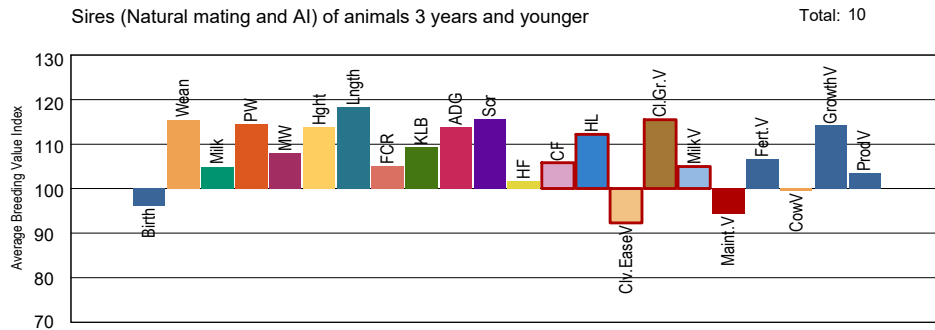


Cow Herd

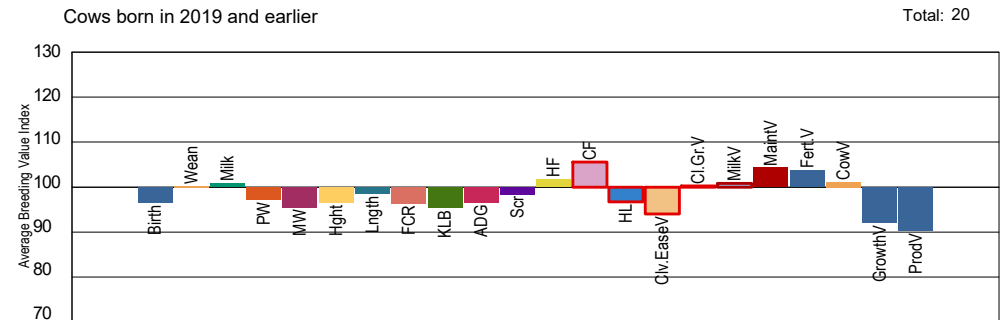


Results of previous selection decisions

Sires of young animals

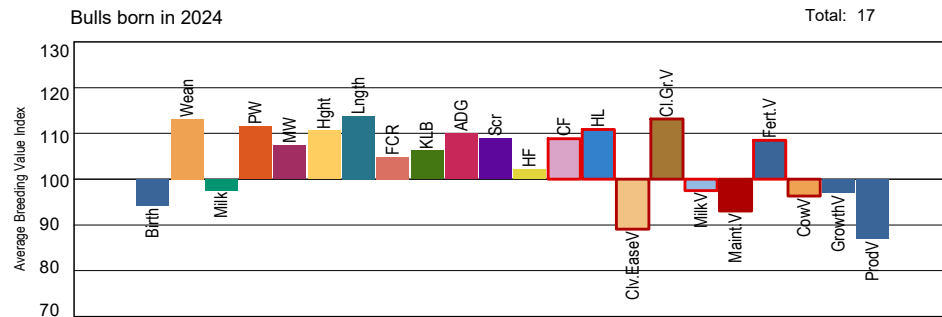


Cows older than 6 years

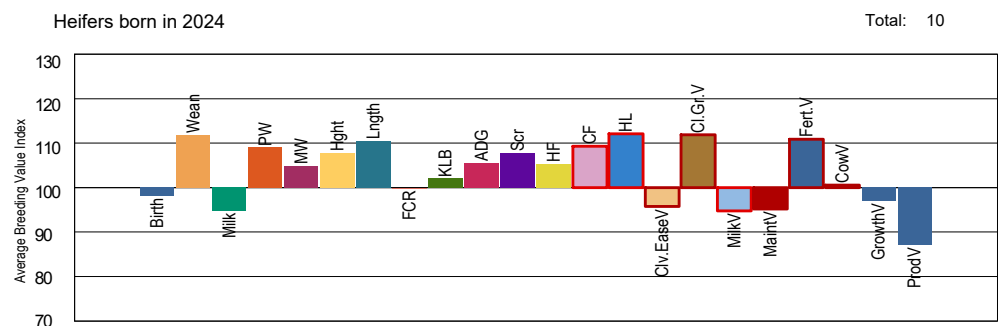


Selection possibilities

Bull calves



Heifer calves

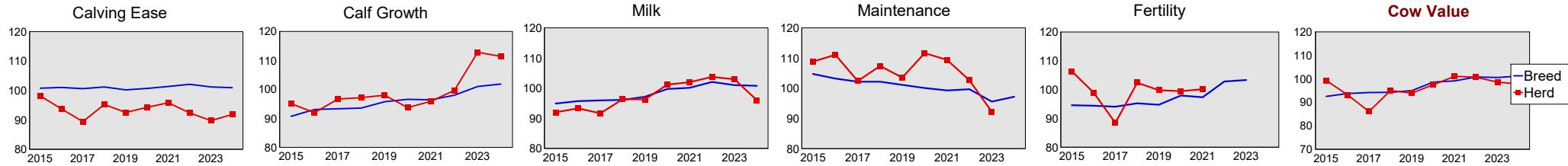


Summary of Cow Herd

			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 Fertiity	Cow Fertiity	Longevity	Height	Length
Cows in Breed Average:			100	99	100	101	100	100	98	99	100	99	101	100	99	99	99	99	98	100	100	99	99	99
2015	4	★★★★★	104	102	109	102	104	110	108	114	101	102	110	109	101	96	102	99	105	96	108	108	99	103
2016	6	★★★★	88	95	98	111	109	99	84	92	93	95	83	98	92	90	91	91	91	108	109	92	92	93
2017	4	★★★★☆	84	103	94	98	89	85	95	85	86	103	95	94	100	104	96	95	102	94	91	89	96	99
2018	2	★★★★★☆☆	112	102	109	103	120	126			113	102	100	109	97	95	102	100	100	115	118	105	100	104
2019	4	★★★★★☆☆	94	103	100	105	103	100	95	87	100	103	86	100	99	95	98	98	101	99	106	96	101	99
2020	7	★★★★	90	103	98	105	109	97	94	94	94	103	88	98	99	95	101	101	105	111	104	103	101	101
2021	7	★★★★★☆☆	99	94	101	117	106	106	90	103	99	94	101	101	93	84	93	94	97	108	101	103	93	93
2022	7	★★★★★☆☆	95	105	107	103	106	106	103	105	98	105	92	107	103	96	103	101	106	101	105	115	101	104
2023	11	★★★★★☆☆	90	118	109	91	111	102	110	106	97	118	77	109	116	108	115	110	117	104	109	119	112	117
2024	10	★★★★★☆☆	96	112	95	95	111	101	97	87	98	112	95	95	109	105	106	102	108	105	109	112	108	110
Cows in Herd Average:			95	104	102	103	107	103	97	97	98	104	93	102	101	97	101	99	103	104	106	104	100	102

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.



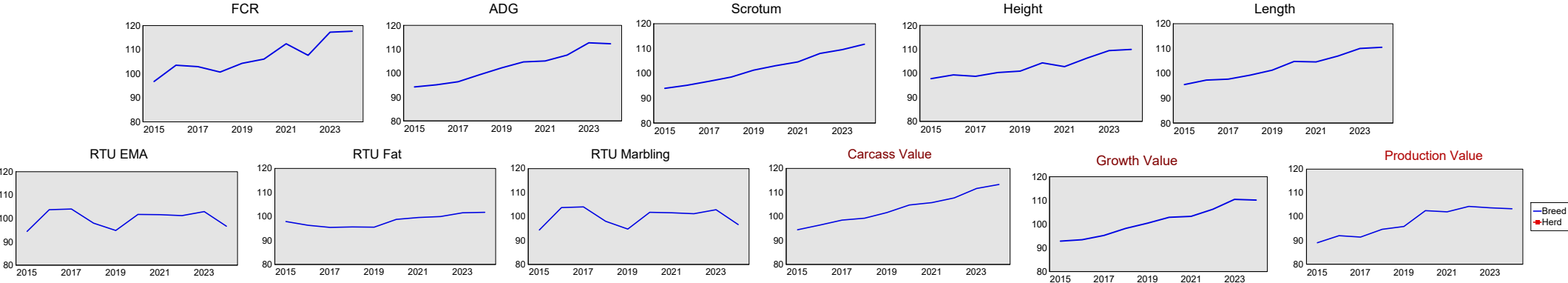
Herd

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		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		Number	
2015	30	1.20	0.21	98	29	15.3	95	29	6.04	92	16	29.5	8	21	109	4	-6.4	7	-3.9	22	29.2	106	99
2016	37	1.04	0.97	94	37	13.7	92	37	6.53	93			10	22	111	11	-6.0	9	-2.9	34	25.7	99	93
2017	38	1.84	0.45	89	36	16.1	97	36	5.91	92	15	31.8	10	31	102	6	-5.0	8	-0.5	33	25.5	88	86
2018	41	1.21	0.60	95	38	16.4	97	38	7.69	96	17	30.4	7	31	107	5	-12.7	3	-1.3	34	28.3	102	95
2019	39	1.28	0.78	93	38	16.8	98	38	7.67	96	17	31.5	6	30	104	3	-10.1	6	-2.5	31	28.3	100	94
2020	45	1.16	0.73	94	42	14.6	94	42	9.56	101	25	31.3	10	24	112	12	-7.6	7	-2.8	35	32.3	99	98
2021	46	1.07	0.64	96	42	15.7	96	42	9.83	102	20	33.0	6	18	109	8	-11.2			25	32.1	100	101
2022	42	1.22	0.89	92	36	17.6	100	36	10.50	104	13	34.7			103								101
2023	35	1.16	1.35	90	30	24.3	113	30	10.21	103	10	46.4			92								99
2024	43	1.27	0.88	92	35	23.6	111	35	7.55	96													98

Breed

Birth Year	Calving Ease				Calf Growth			Milk			Maintenance				Fertility						Cow Value		
	Birth Weight		Mat EBV	Calv. Ease	Weaning Weight		Calf Growth	Milk (Wn.Mat.)		Postwean Weight		Mature Weight		Maintenance	Heifer Fert.		Cow Fert.		Longevity			Fertility	
	Number	Dir EBV			Number	EBV		Number	EBV	Number	EBV	Number	EBV		Number	EBV	Number	EBV	Number	EBV			Number
2015	1847	0.86	0.40	101	1202	13.1	91	1202	7.16	95	465	28.4	233	30	105	373	-5.0	288	-1.9	1934	26.2	95	93
2016	1783	0.90	0.33	101	985	14.3	93	985	7.45	96	448	29.3	250	32	103	395	-5.1	302	-1.8	1861	27.0	94	94
2017	1720	0.91	0.36	101	1155	14.4	93	1155	7.56	96	481	31.0	306	32	102	402	-4.8	312	-1.5	1795	28.9	94	94
2018	1744	0.87	0.34	101	1213	14.5	94	1213	7.60	96	553	31.2	278	32	102	418	-5.0	307	-1.7	1854	30.5	95	94
2019	1756	0.95	0.37	100	1239	15.7	96	1239	8.01	97	553	33.1	300	33	101	430	-4.4	324	-1.9	1819	31.9	95	95
2020	1738	0.88	0.39	101	1244	16.1	97	1244	8.99	100	520	34.4	241	36	100	394	-5.8	288	-2.3	1777	32.6	98	99
2021	1685	0.83	0.36	101	1171	16.0	96	1171	9.13	100	493	35.8	177	33	99	361	-4.8	107	-2.7	1342	32.3	97	99
2022	1789	0.71	0.42	102	1261	16.8	98	1261	9.86	102	520	36.2	123	36	100	150	-7.5	58	-2.4			103	101
2023	1759	0.81	0.43	101	1224	18.4	101	1224	9.46	101	496	40.9	6	60	96	59	-5.7					103	101
2024	1772	0.80	0.47	101	940	18.7	102	940	9.39	101	332	40.9			97								101
2025	810	1.00	0.52	99	194	22.6	109	194	11.08	105													102

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			
2016																									
2017																									
2018																									
2019																									
2020																									
2021																									
2022																									
2023																									
2024																									

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						
2016	16	-81	104	171	119	95	171	13.1	95	171	24	99	171	31	97	113	0.18	97	-0.68	96	-0.36	104	96	93	92	
2017	37	-80	103	180	125	96	177	14.1	97	177	24	99	177	32	98	132	0.40	99	-0.78	95	-0.34	104	98	95	91	
2018	97	-76	101	261	139	99	261	15.2	99	261	25	100	261	34	99	213	0.49	100	-0.76	96	-0.75	98	99	98	95	
2019	59	-82	104	260	152	102	220	16.8	101	260	25	101	260	36	101	242	0.76	103	-0.76	96	-0.97	95	102	100	96	
2020	45	-85	106	259	163	105	220	17.9	103	259	28	104	259	41	105	258	1.05	106	-0.39	99	-0.49	102	105	103	103	
2021	49	-94	112	219	165	105	224	18.8	105	224	27	103	224	40	105	209	1.20	107	-0.29	100	-0.50	102	106	103	102	
2022	56	-87	108	205	177	108	206	20.9	108	206	30	106	206	43	107	177	1.19	107	-0.25	100	-0.54	101	108	106	104	
2023	8	-102	117	231	200	113	232	21.8	110	232	33	109	232	47	110	204	1.70	112	-0.06	102	-0.42	103	112	110	104	
2024	3	-102	118	116	199	112	119	23.2	112	125	33	110	125	48	111	108	1.66	112	-0.04	102	-0.84	97	113	110	103	
2025																										

Sires

Sire		Selection Values (SV / Acc)								Calf Weight		Mother		Growth & Efficiency				Fertility				Frame		Carcass			Measured Progeny				
ID Name	Sire ID Dam ID	Calf Ease	Calf Grwth	Milk	Maint.	Fertility	Cow Value	Grwth Value	Prod. Value	Birth Weight	Wean Weight	Birth Mat.	Milk Wn.Mat.	Postwn Weight	Mature Weight	ADG	FCR	Scrotal Circumf.	Heifer Fert.	Cow Fert.	Longe-vity	Height	Length	Dress %	RMeat Yield	Marb-ling	Birth	Wean			
		Breed average:								0.88	17.8	0.47	9.1	34.3	36	142	-75	16.0		-2.2	39.0	25	34	0.08	0.9	-0.61	Grwth test	Dght/Calv.			
		<75	75 - 125	>125																											
014HH00108 RST TIMES A WASTIN 0124	743 B2029	105 70	89 74	88 59	108 36	108 43	101 55			0.00 78	12.0 110	0.98 54	4.6 88	16.9 30	25 36	100 13	-64 91	11.8 15	-13.2 43	-4.8 19	24.7 66	9 15	21 82		21 14	89	-0.17 12	-2.0 12	-1.38 11	10 3	10 12
	TH 403A475Z358C TH FRONTIER 174E ET FTF 312A	96 85	115 90	139 71	83 59	111 49	108 71	122 64	111 70	0.40 94	25.6 106	2.28 67	23.8 71	52.2 73	54 59	245 74	-91 122	31.8 75	-17.3 59	-2.1 24	48.3 65	40 82	69 117		69 80	127	0.12 74	7.7 74	0.94 71	48 12	42 18
183F TH MASTERPLAN 183F	Z303 57B	98 67	107 83	117 29	90 9	104 21	105 43	113 32	107 41	0.89 90	21.3 100	0.63 18	15.4 29	36.8 62	47 9	164 54		27.4 63	-4.0 10	-2.7 6	48.5 48	25 64	45 101		45 61	108	0.15 54	2.6 54	-0.12 49	34 5	23
	4037 98S	127 74	90 82	112 50	115 27	101 42	130 55			-1.93 86	12.8 133	1.14 48	13.7 85	19.7 51	15 27	113 10	-65 7	12.5 11	-15.6 47	-2.2 13	25.3 66	15 11	29 90		29 10	96	-0.03 8	-0.8 8	-0.57 8	20 2	20 6
6153 BOYD 31Z BLUEPRINT 6153	6964R 91H 100W 31Z	118 83	105 85	100 64	145 43	79 44	122 63	108 41	122 59	-0.57 92	20.2 117	0.33 63	9.2 103	35.6 52	-8 43	158 35	-77 40	25.1 43	15.4 55	0.0 15	46.4 61	25 45	40 100		40 42	105	0.10 36	2.5 36	-1.41 32	34 2	21 12
	6964 4138	109 83	136 89	79 67	77 52	138 46	105 67	139 29	111 59	-0.02 92	36.1 111	0.61 63	1.2 97	58.6 62	72 52	314 51		41.4 58	-20.8 142	-9.3 23	51.0 57	55 59	80 135		80 56	136	0.57 50	9.7 126	-0.14 47	33 1	29 14
BH 120028 ZODIAC 12 28	PJB 080032 PJB 090043	77 88	116 92	116 75	91 37	83 62	84 69			2.31 94	25.9 83	1.11 75	15.1 86	45.2 87	46 37	219 26	-90 117	23.2 29	2.7 112	0.3 35	33.5 82	41 29	59 119		59 28	119	0.31 24	4.7 112	-0.67 23	48 8	41 17
	CC199S C02865769	104 81	106 83	108 74	100 41	98 45	109 63			1.24 86	20.6 96	-0.45 70	12.0 121	37.0 36	34 41	171 6	-85 106	19.6 7	7.6 106	-4.6 21	39.3 70	24 7	42 100		42 7	106	0.16 6	2.9 104	0.36 5	18 7	18 31
KC 170001 MARKSMAN 701	KC 140021 WDW 140044	90 79	101 86	99 66	101 45	97 45	97 64	95 24	96 56	1.09 87	18.3 98	1.24 61	8.6 66	31.5 52	34 45	138 26	-78 99	16.1 28	-2.9 100	-3.4 26	27.3 66	29 27	37 105		37 27	102	0.03 22	1.2 22	0.02 22	18 3	18 7
	KC 200006 BOLTER 006	82 92	138 94	101 88	79 86	123 86	98 87	130 86	103 87	1.60 95	37.2 92	2.48 87	9.5 88	67.2 76	66 86	284 85	-106 131	29.6 86	-9.4 122	-6.8 85	53.9 125	49 86	76 128		76 86	133	0.51 85	8.8 123	1.37 85	40 85	35
KC 220003 BOLTED 203	KC 200006 KC 180014	91 85	140 86	106 80	72 77	127 78	108 79	137 76	114 78	1.02 88	38.0 98	1.19 79	11.4 80	64.0 67	76 137	320 76	-117 139	32.3 77	-10.7 127	-7.8 76	53.3 130	54 77	87 134		87 77	142	0.78 76	11.0 137	1.44 76	4 4	3
	SLM 130041 STANMORE 1341	98 98	87 98	97 97	97 95	48 96	68 94	84 95	67 94	1.09 99	11.3 98	0.37 97	7.9 102	20.9 82	40 83	66 96	-42 93	7.2 97	24.5 86	6.0 94	32.8 97	1 97	24 73		24 97	92	-0.53 95	-2.3 68	-3.28 94	264 52	206 65
WDW 100067 SIDE BET	WDW 070079 WDW 040079	98 93	98 94	78 90	119 75	114 72	102 83	91 52	100 77	1.38 96	16.8 94	-0.01 88	0.8 111	28.9 78	14 75	125 60	-68 96	6.8 63	-14.4 85	-6.1 51	27.6 88	22 63	28 97		28 62	95	0.02 56	0.3 56	1.56 54	63 19	57 86
	BMH 090075 WDW 100062	82 92	111 94	78 85	99 69	78 66	69 80	110 42	72 72	3.67 96	23.5 67	-0.01 82	0.8 111	43.3 74	39 69	192 48	-92 111	21.6 51	-2.0 109	1.6 46	24.1 85	34 51	44 111		44 50	108	0.25 42	2.5 109	0.74 40	73 18	69 40
WDW 170016 Locheim Heimat	BMH 140075 WDW 080029	101 81	83 86	94 67	146 56	67 52	91 68	85 34	88 61	0.96 90	9.2 99	0.20 63	6.8 106	16.0 57	-8 56	104 42	-81 92	7.0 46	6.4 85	3.3 30	25.5 71	15 46	17 89		17 45	86	-0.09 39	-1.7 39	-1.29 37	21 2	19 4
	BMH 140075 WDW 130014	81 87	86 93	113 73	122 59	108 57	98 73	91 36	96 66	2.16 95	10.7 85	0.80 69	14.0 93	22.9 66	8 59	131 42	-78 98	13.4 46	-21.7 66	-2.1 31	32.6 75	18 47	25 93		25 46	93	-0.04 40	-0.1 93	-2.85 38	60 40	57 9
WDW 170106 REALOAD	42539056 WDW 140151	104 81	93 84	84 63	86 51	104 50	96 65	84 48	93 62	0.79 90	14.2 101	0.08 63	3.0 109	24.9 51	57 51	74 55	-40 85	13.4 63	-7.6 50	-4.1 30	30.1 71	24 64	44 99		44 61	107	0.24 52	-1.1 109	-1.11 49	22 3	13 2

Sires

Sire		Selection Values (SV / Acc)								Calf Weight		Mother		Growth & Efficiency				Fertility				Frame		Carcass			Measured Progeny	
ID Name	Sire ID	Calf Ease	Calf Grwth	Milk	Maint.	Fertility	Cow Value	Grwth Value	Prod. Value	Birth Weight	Wean Weight	Birth Mat.	Milk Wn.Mat.	Postwn Weight	Mature Weight	ADG	FCR	Scrotal Circumf.	Heifer Fert.	Cow Fert.	Longevity	Height	Length	Dress %	RMeat Yield	Marb-ling	Birth	Wean
	Dam ID																											
	Parentage Not tested Verified Conflict																											

Bulls

Inbreeding in red is high

EBV
Acc Index

Breeding values with an accuracy < 5% are not printed

Bull			Selection Values (SV / Acc)							Calf Weight		Mother		Growth & Efficiency				Fertility				Frame		Carcass						
ID Name	% Inbreeding	Sire ID Dam ID	Calf Ease	Calf Grwth	Milk	Maint.	Fertility	Cow Value	Grwth Value	Prod. Value	Birth Weight	Wean Weight	Birth Mat.	Milk Wn.Mat.	Postwn Weight	Mature Weight	ADG	FCR	Scrotal Circumf.	Heifer Fert.	Cow Fert.	Longevity	Height	Length	EMA	Fat	Marbling	Dres %	RMV	
			Breed average:							0.88	17.8	0.47	9.1	34.3	36	142	-75	16.0	-6.4	-2.2	39.0	25	34	100	100	100	100	100		
			Bull average:							0.87	100 18.9	0.53	99 9.3	36.2	102 39	102 158	103 -80	103 18.2	104 -6.0	100 -2.4	101 39.0	27	103 39	103 100	100 100	100 100	100 100	100 100		
			Shaded EBVi							90-110	>100	>100	>100	>100	>100	90-110	>100	>100	>100	>100	>100	>100	>100	90-110	90-110	>100	>100	>100	>100	>100
WDW 200198 reload	1	WDW 170106 WDW 180080	93 87	102 84	73 79	90 77	91 78	76 79	85 77	75 79	1.91 90	18.6 84	-0.12 79	-1.1 79	34.1 52	53 100	94 77	-52 90	76 85	10.5 78	-0.3 92	-1.4 76	35.6 80	26 78	39 102	109 77	86 77	102 77	107 77	93 77
BH 220019 BH 220019	5	BH 120028 BH 190044	79 84	125 85	108 80	95 77	93 79	89 79	120 76	93 78	2.34 86	30.3 85	0.77 80	12.3 108	49.9 74	41 120	237 76	-93 121	76 112	23.1 76	-1.6 79	-0.9 77	42.4 81	48 77	70 127	121 76	95 76	89 76	120 76	122 76
KC 240005 CATCH MY DRIFT 405	1	WDW 190009 KC 200012	71 65	106 71	113 50	94 32	112 31	92 50	104 23	93 45	2.62 76	20.9 71	1.33 42	14.0 50	37.6 34	41 104	160 29	-73 104	13 99	21.7 33	-15.8 34	-3.3 18	43.5 106	31 34	52 107	100 30	88 27	103 26	98 28	109 28
KC 240006 CATALYST 406		WDW 190009 KC 200016	91 65	113 70	108 49	102 30	101 30	102 49	111 24	103 44	1.27 76	24.3 95	0.85 42	12.0 49	44.2 34	31 112	179 30	-79 96	15 108	24.9 33	0.3 33	-2.9 16	48.6 41	34 111	58 118	104 29	92 26	110 26	104 28	115 28
KC 240008 BOLT ACTION 408		652D KC 190005	94 66	118 70	91 50	85 37	113 32	98 51	117 22	100 45	0.94 75	27.1 99	0.98 45	5.5 91	45.5 39	58 114	222 37	-91 117	11 111	30.8 32	-8.6 124	-5.0 18	45.8 41	43 33	59 121	113 29	94 27	118 27	113 28	118 28
KC 240009 BOLD DECISION 409	2	KC 220003 KC 210030	79 62	117 66	105 41	91 27	120 28	99 45			2.36 73	26.5 83	0.82 37	10.8 41	47.4 31	47 116	210 27	-92 109	9 111	22.8 18	-18.3 32	-4.8 15	46.8 116	34 18	55 111	115 15	100 14	110 14	116 14	117 17
KC 240012 BOLD STATEMENT 412	1	KC 220003 KC 210019	84 61	116 66	104 40	91 26	114 27	100 44			1.97 73	25.8 87	0.78 35	10.7 40	45.5 32	47 114	217 26	-92 109	11 111	20.5 18	-16.0 31	-3.7 14	45.2 108	38 19	59 115	113 17	98 16	108 15	113 16	118 16
KC 240022 BULLETIN BOARD 422		652D KC 150014	104 68	116 71	96 54	90 38	133 35	114 53			0.44 76	25.9 105	0.53 50	7.7 96	47.4 38	49 116	235 38			29.3 30	-19.9 41	-7.7 20	52.0 130	37 31	56 115	113 27	103 25	117 24	114 26	121 26
KC 240025 BOLD FACE 425	4	KC 200006 KC 180014	106 66	112 70	108 47	89 30	119 29	118 49			-0.29 76	24.1 114	1.22 43	12.1 47	44.8 31	49 113	213 30	-92 111	8 111	21.3 19	-9.7 109	-6.2 28	48.5 104	36 19	56 113	111 17	101 16	124 15	111 16	117 16
KC 240026 BOLD TEXT 426		KC 200006 KC 160014	73 66	134 71	104 49	76 33	121 32	95 50			2.38 76	35.0 82	2.44 44	10.6 49	57.2 32	70 129	263 18	-103 126	7 118	31.3 20	-11.7 33	-6.6 19	46.5 123	44 19	72 122	121 16	98 15	127 15	121 16	128 16
KC 240027 HEAVY LOAD 427	1	WDW 200198 KC 160022	108 66	92 69	84 47	102 34	100 33	96 50	85 20	93 44	0.53 75	13.9 104	-0.01 45	2.9 47	26.4 28	34 90	91 23	-53 89	15 85	9.5 25	-7.3 35	-2.5 22	36.1 43	21 26	31 96	101 22	95 21	112 20	100 22	92 22
KC 240029 BOLD IMPRESSION 429		KC 200006 KC 200009	72 64	127 70	95 44	95 33	99 31	79 49			2.45 75	31.6 82	1.60 39	7.4 44	54.8 34	42 126	247 33	-105 105	9 120	26.7 22	-3.0 34	-2.0 17	44.8 41	42 22	63 120	117 19	98 18	120 17	117 18	123 18
KC 240030 BOLT HEAD	1	KC 200006 KC 210007	101 62	113 69	102 42	100 28	109 27	108 46			0.22 74	24.3 108	1.14 37	9.7 42	45.7 30	34 114	192 28	-85 111	12 107	22.7 20	-4.2 27	-4.1 14	51.7 110	32 21	50 108	107 18	99 16	115 16	107 17	113 17
KC 240031 FULLY LOADED 431	1	WDW 200198 KC 130026	104 66	98 69	87 49	96 31	85 34	91 50			0.44 75	17.0 105	0.52 47	4.3 99	30.1 28	42 95	120 21	-63 95	14 92	15.0 23	5.2 36	-0.6 20	36.2 45	27 24	42 103	106 18	92 17	104 16	105 18	98 18
KC 240034 BOLD RULER 434	7	KC 200006 KC 130014	95 67	123 72	95 52	91 36	123 35	104 52			0.56 76	29.3 104	1.41 48	7.1 95	50.6 37	48 120	218 36	-91 110	13 110	21.8 24	-12.1 109	-7.2 37	46.2 108	38 25	59 115	113 21	101 20	129 20	114 20	119 20
KC 240036 RELOADED 436	1	WDW 200198 KC 200038	85 63	96 67	89 42	101 28	95 30	83 46			2.21 74	15.9 84	0.38 39	4.8 102	30.8 30	34 96	110 22	-62 93	13 91	11.9 24	-2.9 34	-1.7 15	37.6 40	24 24	34 100	101 21	94 19	98 19	100 20	94 20
KC 240037 OUT OF SIGHT 437	2	KC 200006 KC 170035	86 66	124 71	94 49	83 35	103 32	90 51			1.23 76	30.0 96	1.74 45	6.8 49	52.2 34	61 122	215 35	-92 111	11 111	24.2 22	-4.8 31	-3.0 20	43.0 104	37 23	57 114	113 19	95 17	123 17	112 18	117 18
KC 240041 BOULDER 441	4	KC 200006 KC 200034	81 64	120 69	101 43	95 30	116 30	98 48			1.66 75	27.8 91	1.68 40	9.6 43	48.6 34	42 118	221 30	-97 117	10 114	23.1 22	-12.7 34	-4.9 16	45.2 41	36 23	56 114	113 20	98 18	114 18	113 19	118 19
KC 240042 LOCKED IN 442	1	WDW 200198 KC 160025	80 66	99 53	82 46	101 34	82 33	70 46	83 21	68 41	2.46 75	17.5 81	0.53 45	2.3 46	32.7 30	36 98	85 24	-52 88	16 85	8.4 26	4.5 35	0.2 21	33.6 44	21 26	29 96	98 23	95 21	111 21	97 22	89 22

Cows

Inbreeding in red is high

EBV
Acc Index

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Cow				Selection Values (SV / Acc)							Calf Weight		Mother		Growth & Efficiency				Fertility				Frame		Carcass																
ID	Inbreeding % Genomic Parentage Parentage: Not tested Verified Conflict	Name	Sire ID Dam ID	Calf Ease	Calf Grwth	Milk	Maint.	Fertility	Cow Value	Grwth Value	Prod. Value	Birth Weight	Wean Weight	Birth Mat.	Milk Wn.Mat.	Postwn Weight	Mature Weight	ADG	FCR	Scrotal Circumf.	Heifer Fert.	Cow Fert.	Longevity	Height	Length	EMA	Fat	Marbling	Dress %	RMY											
Breed average:											0.88	17.8	0.47	9.1	34.3	36	142	-75	16.0	-6.4	-2.2	39.0	25	34	100	100	100	100	100												
Cow average:											0.88	100	17.3	99	0.44	101	9.0	100	33.4	99	35	99	135	99	-73	99	15.1	98	-6.5	100	-2.2	100	24	99	33	99					
Shaded EBVi											90-110	>100	>100	>100	>100	90-110	>100	>100	>100	>100	>100	>100	>100	>100	>100	>100	>100	>100	>100	>100	>100	>100	>100	>100	>100	>100	>100				
KC 150001 BUTTERFLY 501				C02941567 KC 120019	114 81	88 77	103 79	104 50	108 44	114 65		0.61 83	11.9 103	77 88	-0.82 76	10.2 129	79 103	26.2 42	28 90	84 58	-58 11	88 88	11.9 19	93	-10.1 42	-3.5 105	41.8 31	60 107	41.8 60	106 106	10 19	84 19	88 88	91 15	105 14	110 14	91 14	89 14			
KC 150014 MINUTE MAID 514				C02941567 KC 080031	98 88	115 86	113 88	97 80	127 79	114 82	108 75	114 81	0.73 89	25.6 102	86 86	115 115	0.79 86	14.1 93	88 88	113 113	48.2 71	37 117	209 80	-101 101	75 75	117 117	23.9 75	-14.3 80	-7.2 111	52.2 76	81 127	128 81	29 75	49 105	75 75	111 111	112 75	112 75	120 75	113 75	117 75
KC 150018 MINUTE MAID 518				C02941567 KC 030028	108 81	101 80	105 79	96 37	87 46	106 63		0.76 84	18.5 101	80 80	101 101	-0.31 76	10.8 118	79 79	105 105	32.0 42	40 37	147 103	-74 22	13 101	99 99	21.2 25	14.2 53	-2.9 73	39.1 23	62 104	100 100	27 22	46 103	22 22	109 109	105 15	109 14	117 13	107 14	107 14	
KC 150020 DOLLY 520				C02941567 KC 040004	95 81	102 80	114 82	111 47	94 46	106 65		1.23 83	18.6 96	80 80	102 102	0.48 77	14.3 100	82 82	114 114	32.4 42	20 98	149 47	-77 87	7 101	19.3 20	-2.7 105	-1.4 95	38.5 25	61 95	99 99	26 15	41 102	15 15	105 105	99 11	109 10	118 10	100 10	104 10		
KC 160006 ROSEBUD 606				014HH00108 KC 090034	92 80	95 77	99 78	129 51	112 47	113 65		1.06 82	15.0 98	77 77	95 95	1.06 75	8.6 87	78 78	99 99	24.5 36	3 88	105 51	-63 74	-10 19	92 92	15.2 21	-16.2 52	-4.0 113	35.3 30	60 109	92 92	19 17	28 93	17 17	95 95	91 13	97 12	112 11	90 12	92 12	
KC 160014 BUTTERFLY 614				014HH00108 KC 090019	77 78	104 77	115 78	86 50	119 47	100 64		2.06 81	19.9 86	77 77	104 104	2.11 73	14.7 63	78 78	115 115	30.5 36	54 95	148 50	-76 114	9 101	101 101	21.2 21	-19.9 52	-5.1 118	37.5 30	59 116	97 97	23 17	40 98	16 16	104 104	99 12	97 11	118 11	99 12	101 12	
KC 160020 ROSEBUD 620				WDW 100067 KC 100016	77 80	105 80	104 80	103 57	113 53	98 68	92 28	96 60	2.02 83	20.5 80	105 105	2.48 75	10.6 80	104 104		39.7 50	30 107	117 57	-66 96	23 95	94 94	7.6 34	-11.6 58	-4.7 107	40.3 64	103 103	20 34	32 95	33 33	98 98	95 30	101 28	126 28	95 29	97 29		
KC 160022 ROSEBUD 622				1WDW 100067 KC 090007	113 81	82 79	93 82	121 58	109 54	106 69	82 28	102 61	0.22 83	8.8 108	79 82	-0.12 77	6.3 113	82 82	93 93	18.9 47	11 81	75 58	-51 80	-22 33	84 86	7.0 35	-14.5 59	-3.6 111	35.0 39	64 107	91 91	15 34	20 89	24 34	88 88	89 30	103 29	121 28	89 30	87 30	
KC 160024 MINUTE MAID 624				WDW 100067 KC 070003	88 80	95 79	84 81	112 59	128 55	99 69	80 28	95 61	1.73 82	15.1 90	79 95	0.59 76	3.1 81	84 84		26.7 50	22 59	70 89	-54 33	-23 84	86 86	4.0 34	-21.9 61	-7.8 121	34.4 40	90 130	64 64	14 35	15 87	15 34	84 84	84 29	104 28	111 28	84 28	84 28	
KC 160025 PIXIE 625				1WDW 100067 KC 090020	82 81	91 79	95 80	113 58	72 54	76 69	81 30	74 61	1.70 83	13.3 90	79 91	1.36 77	7.2 80	95 95		26.8 50	19 91	75 58	-52 87	-23 35	85 86	6.3 37	9.4 84	1.7 58	29.8 78	80 66	80 80	16 35	19 90	19 35	88 88	86 31	104 29	121 29	86 30	86 30	
KC 170020 MINUTE MAID 720				1WDW 130120 KC 070003	86 80	100 79	84 80	120 57	106 52	94 68	90 24	92 59	2.13 82	17.6 85	79 100	0.38 75	3.1 102	80 80	84 84	32.5 51	12 98	106 57	-68 82	-19 95	11.8 29	-13.3 93	-3.6 58	29.9 36	63 108	81 81	20 29	24 95	24 29	92 92	92 22	94 21	105 21	91 22	89 22		
KC 170023 DOLLY 723				1WDW 130120 KC 130028	96 80	97 79	97 80	101 55	86 50	94 67	97 24	93 58	1.28 82	16.0 95	79 97	0.35 75	8.1 103	80 80	97 97	30.4 52	33 95	134 55	-72 98	-18 97	16.9 29	-1.7 56	0.4 94	34.5 62	90 90	24 29	35 100	35 28	101 101	101 23	93 22	118 21	100 22	98 22			
KC 170035 DOWAGER 735				1WDW 130120 KC 120020	81 79	109 77	84 77	89 57	82 48	72 66	97 24	73 58	2.42 82	22.3 82	77 109	0.55 74	3.2 98	77 77	84 84	37.5 44	53 104	133 57	-72 113	-19 98	17.2 29	-0.8 48	1.0 93	30.2 62	81 81	22 30	33 98	33 29	99 99	100 23	94 21	116 21	99 22	97 22			
KJA 170026 DORA				1SLM 130041 KJA 110043	74 80	107 78	110 78	80 62	82 56	80 69	96 37	80 63	2.31 82	21.1 83	78 107	1.50 75	12.8 77	78 78	110 110	37.4 52	63 104	126 62	-63 121	-11 97	22.2 64	9.5 63	-0.1 79	40.5 64	103 103	16 64	40 90	40 63	104 104	96 56	96 52	79 51	95 54	101 54			
KC 180002 ROSEBUD 802				44U KC 150026	107 76	100 76	110 74	110 46	125 43	127 62		-0.42 80	17.6 115	76 100	1.28 68	13.0 82	74 74	110 110	28.3 46	21 93	134 46	-69 88	-12 98	96 96	14.8 18	-28.2 51	-4.8 129	41.3 23	103 114	55 55	105 105	22 18	36 97	36 18	101 101	101 16	100 15	114 15	101 16	100 16	
KC 180014 MINUTE MAID 814				C02941567 KC 130014	117 78	104 75	107 73	96 43	115 39	124 60		0.05 81	19.9 110	75 104	-0.35 71	11.6 118	73 73	107 107	34.6 36	39 100	169 43	-82 102	-12 105	105 105	16.4 18	-7.0 101	-6.3 22	41.5 58	105 105	27 18	43 102	43 18	107 107	106 15	105 15	121 14	106 15	108 15			
KC 190002 MINUTE MAID 902				144U KC 150014	122 74	100 73	122 65	110 35	123 41	137 56		-1.63 79	17.6 129	73 100	1.26 64	17.5 82	75 65	122 122	31.7 42	20 97	163 10	-84 105	-5 106	18.4 11	-19.1 104	-6.2 50	41.4 121	105 105	23 23	39 98	39 11	104 104	104 11	103 9	110 7	104 8	105 8				
KC 190005 ROSEANNE 905				2KC 170001 KRM 160067	92 75	95 76	106 71	97 51	88 43	95 62	91 25	93 55	0.78 80	15.0 101	76 95	1.49 65	11.3 71	106 106	27.9 48	38 92	107 51	-69 102	-21 96	17.5 29	2.7 49	-0.5 88	39.2 53	100 100	27 29	32 103	32 29	98 98	96 27	91 25	116 25	95 26	94 26				
KC 190027 MINUTE MAID 927				1WDW 130120 KC 140002	83 74	110 72	74 65	110 46	106 45	81 59	99 25	81 52	2.58 78	22.7 80	72 110	0.05 65	-0.7 65	74 74	39.4 44	25 106	153 46	-81 91	-20 103	15.0 31	-6.7 43	-4.5 100	34.9 59	91 91	25 31	33 101	33 30	99 99	101 26	99 25	115 24	101 26	100 26				
KC 190034 ROSEBUD 934				4KC 170001 KC 090034	79 75	105 75	97 72	102 41	93 39	86 59		1.82 79	20.4 89	75 105	1.57 66	8.0 75	72 72	97 97	34.5 42	33 100	104 22	-65 92	-13 93	14.9 25	-0.1 98	-2.3 35	32.8 26	87 100	25 25	30 101	30 20	96 96	91 16	104 15	110 15	91 16	94 16				

Cows

Inbreeding in red is high

EBV
Acc Index

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Cow			Selection Values (SV / Acc)							Calf Weight		Mother		Growth & Efficiency				Fertility				Frame		Carcass													
ID Name	% Inbreeding	Genomic Parentage  Parentage: ☐ Not tested ☒ Verified ☒ Conflict	Calf Ease	Calf Grwth	Milk	Maint.	Fertility	Cow Value	Grwth Value	Prod. Value	Birth Weight	Wean Weight	Birth Mat.	Milk Wn.Mat.	Postwn Weight	Mature Weight	ADG	FCR	Scrotal Circumf.	Heifer Fert.	Cow Fert.	Longevity	Height	Length	EMA	Fat	Marb-ling	Dres %	RMV								
Breed average:										0.88	17.8	0.47	9.1	34.3	36	142	-75	16.0	-6.4	-2.2	39.0	25	34	100	100	100	100	100									
Cow average:										0.88	100	17.3	99	0.44	101	9.0	100	33.4	99	35	99	135	99	-73	99	15.1	98	-6.5	100	-2.2	100	24	99	33	99		
Shaded EBVi										90-110	>100	>100	>100	>100	90-110	>100	>100	>100	>100	>100	>100	>100	90-110	90-110	>100	>100	>100	>100	>100	>100	>100	>100	>100				
KC 200005 ROSEBUD 005	652D KC 160006		89 73	121 74	93 67	91 53	131 42	102 61			1.15 79	28.6 97	1.24 61	6.5 83	46.9 45	49 116	222 53	-89 110	5 109	29.9 31	-24.4 53	-6.7 124	48.3 23	39 49	58 118	111 27	97 25	116 24	111 26	117 26							
KC 200007 MINUTE MAID 007	652D KC 160024		99 73	118 74	64 67	90 54	136 44	88 62	107 22	90 54	1.19 78	27.1 96	0.08 62	-4.4 109	42.6 48	54 110	182 30	-80 109	11 103	21.5 33	-20.6 54	-9.1 119	45.5 28	32 34	44 109	103 30	100 28	114 27	103 29	108 29							
KC 200012 BUTTERFLY 012	WDW 170039 KC 160014		73 74	99 75	121 68	101 52	122 44	101 62			2.33 79	17.4 83	1.86 62	17.2 68	30.2 46	31 52	158 23	-82 104	13 104	19.7 25	-22.0 55	-5.1 121	40.3 52	24 25	38 99	98 20	94 20	99 21	102 21								
KC 200018 DOWAGER 018	2 WDW 170016 KC 170035		94 73	93 73	85 67	125 54	76 44	85 61	87 21	84 53	1.84 78	14.4 89	-0.12 61	3.4 113	24.9 44	7 54	101 77	-72 91	15 97	9.8 27	-0.7 52	2.8 26	32.6 73	16 27	19 90	92 23	95 22	102 21	91 22	89 22							
KC 200021 ROSEANNE 021	2 WDW 170039 KRM 160067		88 74	92 76	116 68	101 56	101 45	97 63	92 28	96 56	1.13 80	13.7 97	1.72 62	15.2 68	27.5 51	31 56	115 96	-74 32	22 94	18.1 35	-16.9 56	-0.3 114	38.4 54	24 35	29 100	96 32	88 30	95 30	94 31	94 31							
KC 200025 BUTTERFLY 025	6153 KC 090019		94 74	106 73	101 62	111 41	97 44	103 58	98 26	102 52	0.86 79	20.8 100	1.14 63	9.6 85	35.3 43	21 101	128 41	-70 88	22 97	21.7 29	-11.6 54	-0.2 107	40.0 53	22 27	35 97	96 22	101 19	105 19	96 20	100 20							
KC 200038 ROSEBUD 038	2 WDW 170039 KC 130025		91 74	91 75	107 69	117 44	98 45	102 60	88 23	100 53	1.10 79	13.4 97	1.18 63	11.6 84	26.8 48	13 91	113 42	-68 27	17 94	11.7 30	-5.9 93	-1.9 59	38.5 23	20 29	25 95	92 26	101 24	94 24	91 25	93 25							
KC 210005 GRAND SLAM 105	C02941567 WDW 140044		98 71	101 72	108 63	102 43	111 35	111 56			1.31 78	18.3 95	0.13 57	12.1 108	33.1 33	31 43	135 96	-80 19	17 99	16.4 21	-8.8 101	-4.5 33	43.1 53	24 21	33 100	94 18	106 17	102 17	95 18	100 18							
KC 210007 BUTTERFLY 107	6153 KC 150001		123 70	91 72	101 60	129 40	95 34	122 55	92 22	119 48	-0.39 77	13.2 115	-0.44 56	9.3 120	26.9 34	2 91	101 40	-62 74	21 91	15.9 24	1.5 100	-1.5 35	48.2 48	14 24	24 88	92 20	101 18	100 18	92 19	93 19							
KC 210011 DOLLY 111	6153 KC 130028		115 72	82 73	109 62	118 43	88 40	104 57	86 23	102 50	-0.49 78	8.9 116	0.54 58	12.5 98	20.4 34	12 83	70 43	-50 81	21 28	12.8 26	0.6 95	0.5 54	45.1 50	12 16	19 85	87 21	99 18	101 18	86 20	87 20							
KC 210017 MINUTE MAID 117	1 WDW 170039 KC 150022		89 71	91 72	95 54	133 41	117 44	107 56	86 24	104 50	1.80 77	13.1 89	0.44 57	7.3 101	24.5 48	0 88	108 41	-69 72	17 93	10.3 30	-29.2 57	-3.1 130	31.1 52	16 30	20 91	89 25	102 24	94 24	89 24	91 24							
KC 210024 DOLLY 124	1 WDW 170039 KC 160007		84 67	89 72	110 54	116 39	104 43	99 54	87 20	96 47	1.66 76	12.2 91	1.17 49	12.7 84	24.9 46	14 88	105 39	-65 83	14 24	11.6 26	-15.1 56	-2.1 112	32.5 52	17 26	25 91	92 23	101 21	93 21	91 22	92 22							
KC 210030 BUTTERFLY 130	1 WDW 170039 KC 120019		77 72	90 74	105 64	116 47	112 46	98 60	84 23	95 53	2.86 78	12.7 77	0.55 59	11.2 64	27.4 48	14 91	83 47	-59 83	17 87	11.2 30	-26.4 58	-1.6 127	37.6 54	10 30	17 84	90 20	100 25	88 24	90 24	88 24							
KC 210034 ROSEBUD 134	652D KC 130025		107 71	113 74	79 63	104 43	113 42	100 58	106 22	101 51	0.18 78	24.4 108	0.55 57	1.2 63	42.2 48	32 110	175 31	-77 107	11 101	22.0 34	-7.1 110	-5.1 21	46.4 50	33 34	43 110	102 30	99 28	117 27	102 29	107 29							
KC 220005 ROSEANNE 205	3 KC 200006 KC 190005		90 64	114 70	104 46	90 32	106 31	101 49			0.94 75	24.8 99	2.06 41	10.8 64	45.7 35	49 114	181 32	-85 110	12 106	21.7 22	-3.8 109	-3.6 32	49.5 42	36 22	50 113	106 20	94 19	122 18	106 20	110 20							
KC 220008 BUTTERFLY 208	183F KC 150001		105 64	98 57	110 42	97 26	107 27	112 43			0.86 76	16.8 100	-0.11 39	12.8 113	31.9 38	38 26	124 102	-59 96	6 89	19.6 33	-7.1 106	-3.1 22	48.7 42	18 33	32 92	97 29	108 26	104 26	97 28	98 28							
KC 220011 MINUTE MAID 211	183F KC 130014		104 65	107 71	104 46	98 30	115 32	114 49	104 24	114 44	0.64 76	21.4 103	0.30 42	10.5 104	34.7 48	37 101	150 30	-65 101	12 93	19.6 36	-9.4 31	-5.2 104	46.4 45	24 37	41 100	101 32	107 29	113 28	102 30	104 30							
KC 220016 ROSEBUD 216	183F KC 160020		87 64	103 70	110 43	98 29	109 31	101 48	100 23	101 43	1.20 76	19.4 96	1.61 38	13.0 74	36.0 46	36 102	128 29	-60 100	11 90	15.9 36	-8.1 30	-3.7 102	48.0 44	21 36	35 95	96 32	105 29	110 28	97 30	99 30							
KC 220019 DOLLY 219	6153 KC 170023		102 67	106 71	97 51	115 36	84 35	100 52	106 24	101 46	0.78 76	20.9 101	0.33 49	7.9 103	36.6 44	16 103	160 36	-78 84	22 102	22.8 26	8.2 39	-0.1 81	44.3 47	27 27	42 103	96 22	106 19	104 19	104 21	106 21							
KC 220020 DOLLY 220	WDW 170039 KC 150020		88 69	99 72	114 56	115 38	103 38	107 54			1.58 77	17.1 92	0.79 51	14.3 93	32.1 45	15 97	147 38	-79 84	13 103	17.2 25	-11.2 42	-2.0 98	39.2 51	23 25	35 99	97 22	104 20	93 20	98 21	101 21							

Cows

Inbreeding in red is high

EBV
Acc Index

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Cow				Selection Values (SV / Acc)								Calf Weight		Mother		Growth & Efficiency				Fertility				Frame		Carcass								
ID Name	% Inbreeding	Genomic Parentage	Sire ID Dam ID Parentage: Not tested Verified Conflict	Calf Ease	Calf Grwth	Milk	Maint.	Fertility	Cow Value	Grwth Value	Prod. Value	Birth Weight	Wean Weight	Birth Mat.	Milk Wn.Mat.	Postwn Weight	Mature Weight	ADG	FCR	Scrotal Circumf.	Heifer Fert.	Cow Fert.	Longe- vity	Height	Length	EMA	Fat	Marb- ling	Dres %	RMY				
				Breed average:								0.88	17.8	0.47	9.1	34.3	36	142	-75	16.0	-6.4	-2.2	39.0	25	34	100	100	100	100	100				
				Cow average:								0.88	100	17.3	99	0.44	101	9.0	100	33.4	99	35	99	135	99	-73	99	15.1	98	-6.5	100	-2.2	100	24
Shaded EBVi				90-110		>100		>100		>100		>100		90-110		>100		>100		>100	>100	>100	>100	90-110	90-110	>100	>100	>100	>100	>100	>100			
KC 220035 MINUTE MAID 235				WDW 170039 KC 150014	89 68	108 72	112 55	105 40	119 39	110 54		1.41 76	21.8 94	0.91 52	13.5 90	13.5 112	40.0 40	26 107	40 92	186 23	110 110	-94 13	112 112	20.7 25	-16.4 108	-5.0 44	45.3 113	26 25	42 106	106 22	105 20	95 20	107 21	110 21
KC 230001 ROSEBUD 301				13 KC 200006 KC 200005	79 64	137 70	95 45	82 33	128 30	94 49		1.84 75	36.6 89	1.97 39	7.3 66	7.3 95	62.7 41	61 135	270 33	270 120	-102 6	-102 118	31.9 23	-15.6 126	-7.0 33	53.9 112	47 23	72 126	120 20	97 19	124 18	120 20	129 20	
KC 230002 MINUTE MAID 302				174E KC 190002	110 66	113 70	130 49	91 36	118 33	121 51	118 32	123 47	-0.76 75	24.6 119	1.86 46	20.7 69	20.7 130	44.8 50	44 113	238 36	238 106	-96 37	-96 121	29.4 38	-15.9 39	-4.6 113	47.9 45	37 41	65 114	107 38	127 36	119 35	110 37	125 37
KC 230003 BUTTERFLY 303				KC 200006 KC 200012	73 64	126 70	108 45	85 33	123 31	97 49		2.35 75	30.9 83	2.23 40	12.1 60	12.1 108	52.5 41	55 123	251 33	19 115	124 9	-101 117	28.3 21	-13.5 120	-6.4 109	50.3 112	42 21	66 119	117 19	98 17	114 17	117 18	125 18	
KC 230007 ROSEANNE 307				183F KC 190005	99 62	98 69	111 40	94 26	97 26	103 45	101 22	103 40	0.43 75	16.8 105	1.13 34	13.3 85	13.3 111	31.2 46	41 96	130 26	130 104	-63 30	-63 98	21.8 35	-1.0 25	-1.6 96	47.6 40	25 35	37 101	98 31	100 28	106 28	98 30	100 30
KC 230009 MINUTE MAID 309				1 KC 200006 KC 200016	85 64	133 70	103 45	93 32	112 30	98 49		1.34 75	34.6 95	1.73 40	10.2 72	10.2 103	60.5 41	44 133	266 32	266 106	-106 18	-106 120	31.1 20	2.4 34	-6.0 16	55.1 41	44 21	70 122	121 18	102 16	120 16	122 17	130 17	
KC 230015 ROSEBUD 315				4 KC 200006 KC 180002	95 65	127 71	104 47	90 31	125 30	112 49		0.52 75	31.3 104	2.08 42	10.7 64	10.7 104	52.8 42	49 123	233 31	17 110	120 8	-94 112	25.2 19	-16.9 115	-6.2 32	50.9 114	40 19	64 117	116 9	99 16	123 15	117 16	122 16	
KC 230017 BUTTERFLY 317				174E KC 170022	87 68	106 71	113 53	94 42	106 37	100 54	105 34	100 50	1.63 76	20.8 91	0.91 50	13.9 90	13.9 113	42.3 52	41 110	165 40	165 105	-76 26	-76 100	21.7 41	-16.2 109	-1.5 42	41.2 105	27 44	43 102	94 40	121 38	118 37	97 39	108 39
KC 230018 DOLLY 318				183F KC 150020	95 64	109 70	115 44	97 24	100 27	102 46		1.24 76	22.4 96	0.54 39	14.9 98	14.9 115	36.4 45	37 103	172 24	172 101	28 107	25.4 33	-2.0 26	-2.3 94	47.3 43	28 33	48 104	104 29	110 26	109 25	105 28	109 28		
KC 230019 DOLLY 319				174E KC 170023	86 68	116 71	118 54	89 41	100 36	96 54	114 34	98 50	1.32 76	25.8 95	1.39 50	15.8 79	15.8 118	48.3 52	48 117	211 41	110 115	-87 25	-87 108	27.2 40	-7.7 118	-1.2 20	44.5 112	36 43	59 113	103 40	122 37	122 37	106 38	119 38
KC 230021 ROSEBUD 321				183F KC 160006	98 64	103 70	108 43	107 26	109 28	112 47		0.63 76	19.6 103	0.98 38	12.0 89	12.0 108	32.7 44	25 98	135 29	135 99	-62 5	-62 91	21.4 33	-9.8 109	-3.4 27	45.9 106	22 33	37 97	97 29	103 26	104 25	97 28	100 28	
KC 230032 DOWAGER 332				2 KC 200006 KC 170035	79 66	131 70	91 49	82 35	104 32	83 50		1.89 76	33.4 88	1.71 45	5.8 72	5.8 91	56.7 34	63 128	225 35	225 121	-94 11	-94 112	25.5 22	-3.5 31	-3.2 20	45.8 114	39 23	60 116	115 19	96 17	124 17	115 18	119 18	
KC 240003 BUTTERFLY 403				652D KC 150001	114 67	112 71	90 53	91 37	123 33	115 52		0.07 76	24.0 109	-0.06 49	5.4 112	5.4 90	42.3 38	49 110	193 37	193 110	-82 6	-82 105	25.9 30	-15.4 116	-6.4 20	46.4 116	31 31	48 108	107 27	100 25	113 24	107 26	112 26	
KC 240010 ROSEBUD 410				1 WDW 190009 KC 190034	72 66	115 71	99 51	95 27	98 29	82 49	98 23	82 44	2.67 76	25.2 79	1.21 44	8.7 83	8.7 99	43.5 32	41 112	128 27	128 104	-64 13	-64 92	18.7 33	-4.3 26	-2.0 97	40.8 43	31 33	47 107	95 29	91 26	111 25	94 28	104 28
KC 240011 GRAND SLAM 411				7 KC 220003 KC 210005	89 61	122 66	106 40	87 26	120 23	106 44		1.65 73	29.0 91	0.59 36	11.3 97	11.3 106	49.9 26	52 120	221 26	221 113	-98 13	-98 117	23.5 14	-9.7 21	-6.2 12	50.4 37	38 14	58 116	114 12	103 12	116 11	115 12	120 12	
KC 240015 ROSEBUD 415				1 WDW 190009 KC 150026	81 68	108 73	99 56	102 32	107 34	92 52	96 26	92 47	2.28 77	21.6 84	0.73 49	8.7 94	8.7 99	39.2 34	33 106	119 32	119 95	-59 16	-59 89	15.5 35	-13.6 32	-2.1 22	44.2 111	27 36	43 102	95 31	90 29	117 28	94 30	103 30
KC 240017 MINUTE MAID 417				1 WDW 200198 KC 190002	110 63	100 66	98 40	99 25	108 28	113 45		-0.15 74	17.8 112	0.62 40	8.5 97	8.5 98	32.4 28	37 98	132 17	132 98	-69 11	-69 96	14.8 19	-9.2 31	-3.9 105	40.4 39	25 20	40 100	107 17	95 16	106 15	106 16	99 16	
KC 240018 DOLLY 418				652D KC 150020	102 67	118 72	96 54	94 36	117 33	108 52		0.59 76	27.0 103	0.53 49	7.4 99	7.4 96	45.1 38	44 114	221 36	221 106	27 117	29.1 30	-12.0 38	-5.3 18	46.6 116	39 30	57 116	110 27	102 24	117 24	110 26	118 26		
KC 240019 ROSEBUD 419				652D KC 180002	110 66	116 71	94 51	94 36	133 32	117 51		-0.37 75	26.0 115	0.95 46	6.9 89	6.9 94	42.4 39	44 110	213 36	213 106	-86 27	-86 107	26.7 30	-24.8 38	-7.0 17	48.0 126	36 31	55 114	111 27	97 25	115 25	111 26	115 26	
KC 240021 ROSEBUD 421				WDW 200198 KC 200005	88 63	114 67	82 41	90 32	112 29	87 47		1.77 74	24.7 90	0.54 38	2.4 98	2.4 82	42.0 28	51 110	159 32	159 112	-72 11	-72 98	20.3 24	-11.9 37	-4.1 16	43.5 109	33 24	49 109	110 21	92 25	109 19	109 20	105 20	

Cows

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Cow			Selection Values (SV / Acc)							Calf Weight		Mother		Growth & Efficiency				Fertility				Frame		Carcass													
ID Name	% Inbreeding	Genomic Parentage Parentage: Not tested Verified Conflict	Sire ID Dam ID	Calf Ease	Calf Grwth	Milk	Maint.	Fertility	Cow Value	Grwth Value	Prod. Value	Birth Weight	Wean Weight	Birth Mat.	Milk Wn.Mat.	Postwn Weight	Mature Weight	ADG	FCR	Scrotal Circumf.	Heifer Fert.	Cow Fert.	Longevity	Height	Length	EMA	Fat	Marb-ling	Dres %	RMV							
					Breed average:							0.88	17.8	0.47	9.1	34.3	36	142	-75	16.0	-6.4	-2.2	39.0	25	34	100	100	100	100	100							
					Cow average:							0.88	100	17.3	99	0.44	101	9.0	100	33.4	99	35	99	135	99	-73	99	15.1	98	-6.5	100	-2.2	100	24	99	33	99
					Shaded EBVi																																
KC 240028 DOWAGER 428	1	WDW 200198 KC 200018	97 63	99 67	79 41	105 32	85 29	82 47			1.48 74	17.4 93	-0.01 39	1.2 111	30.5 28	30 95	99 21	-62 13	10.3 23	0.0 91	0.6 17	36.0 85	21 23	29 96	91 23	91 19	102 18	99 20	91 20								
KC 240033 DOLLY 433	2	KC 200006 KC 210011	95 63	115 69	105 43	95 29	106 29	104 47			0.48 74	25.2 105	1.65 38	11.0 43	105	46.5 30	41 115	29	188 110	-83 12	-83 105	22.6 21	-3.0 111	-3.4 14	51.1 106	51 40	126	32 21	51 109	20 113	107 18	98 17	116 16	107 18	113 18		

Selection List on Cow Value

Bulls 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	
1	BH 220019 BH 220019	BH 120028	BH 190044	5.3	PcH	0	0	0		79 84	125 85	108 80	95 77	93 79	89 79	120 76	93 78	
1	WDW 200198 reload	WDW 170106	WDW 180080	0.8	PcH	0	0	0		93 87	102 84	73 79	90 77	91 78	76 79	85 77	75 79	

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	KC 190002	MINUTE MAID 902	44U	KC 150014	1.2					122	74	100	73	122	65	110	35	123	41	137	56				
										★★★★★★☆															
1	KC 180002	ROSEBUD 802	44U	KC 150026	0.0					107	76	100	76	110	74	110	46	125	43	127	62				
2	KC 180014	MINUTE MAID 814	C02941567	KC 130014	0.0					117	78	104	75	107	73	96	43	115	39	124	60				
3	KC 210007	BUTTERFLY 107	6153	KC 150001	0.0					123	70	91	72	101	60	129	40	95	34	122	55	92	22	119	48
4	KC 230002	MINUTE MAID 302	174E	KC 190002	0.1					110	66	113	70	130	49	91	36	118	33	121	51	118	32	123	47
										★★★★★★															
1	KC 150001	BUTTERFLY 501	C02941567	KC 120019	0.0					114	81	88	77	103	79	104	50	108	44	114	65				
2	KC 150014	MINUTE MAID 514	C02941567	KC 080031	0.0	PcPc	0	0	0	98	88	115	86	113	88	97	80	127	79	114	82	108	75	114	81
3	KC 160006	ROSEBUD 606	014HH00108	KC 090034	0.0					92	80	95	77	99	78	129	51	112	47	113	65				
4	KC 210005	GRAND SLAM 105	C02941567	WDW 140044	0.3					98	71	101	72	108	63	102	43	111	35	111	56				
5	KC 220008	BUTTERFLY 208	183F	KC 150001	0.2					105	64	98	57	110	42	97	26	107	27	112	43				
6	KC 220011	MINUTE MAID 211	183F	KC 130014	0.2					104	65	107	71	104	46	98	30	115	32	114	49	104	24	114	44
7	KC 220035	MINUTE MAID 235	WDW 170039	KC 150014	0.2					89	68	108	72	112	55	105	40	119	39	110	54				
8	KC 230015	ROSEBUD 315	KC 200006	KC 180002	4.2					95	65	127	71	104	47	90	31	125	30	112	49				
9	KC 230021	ROSEBUD 321	183F	KC 160006	0.1					98	64	103	70	108	43	107	26	109	28	112	47				
										★★★★☆															
1	KC 150018	MINUTE MAID 518	C02941567	KC 030028	0.0					108	81	101	80	105	79	96	37	87	46	106	63				
2	KC 150020	DOLLY 520	C02941567	KC 040004	0.0					95	81	102	80	114	82	111	47	94	46	106	65				
3	KC 160014	BUTTERFLY 614	014HH00108	KC 090019	0.0					77	78	104	77	115	78	86	50	119	47	100	64				
4	KC 160022	ROSEBUD 622	WDW 100067	KC 090007	0.5					113	81	82	79	93	82	121	58	109	54	106	69	82	28	102	61
5	KC 200005	ROSEBUD 005	652D	KC 160006	0.0					89	73	121	74	93	67	91	53	131	42	102	61				
6	KC 200012	BUTTERFLY 012	WDW 170039	KC 160014	0.2					73	74	99	75	121	68	101	52	122	44	101	62				
7	KC 200025	BUTTERFLY 025	6153	KC 090019	0.0					94	74	106	73	101	62	111	41	97	44	103	58	98	26	102	52
8	KC 200038	ROSEBUD 038	WDW 170039	KC 130025	1.6					91	74	91	75	107	69	117	44	98	45	102	60	88	23	100	53
9	KC 210011	DOLLY 111	6153	KC 130028	0.0					115	72	82	73	109	62	118	43	88	40	104	57	86	23	102	50

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	Calf Growth Value	Milk Value	Maint. Value	Fertility Value	Cow Value	Growth Value	Prod Value									
Sorted on ID										Acc	Acc	Acc	Acc	Acc	Acc	Acc	Acc									
										★★★★☆																
10	KC 210017	MINUTE MAID 117	WDW 170039	KC 150022	1.2					89	71	91	72	95	54	133	41	117	44	107	56	86	24	104	50	
11	KC 210034	ROSEBUD 134	652D	KC 130025	0.0					107	71	113	74	79	63	104	43	113	42	100	58	106	22	101	51	
12	KC 220005	ROSEANNE 205	KC 200006	KC 190005	2.6					90	64	114	70	104	46	90	32	106	31	101	49					
13	KC 220016	ROSEBUD 216	183F	KC 160020	0.1					87	64	103	70	110	43	98	29	109	31	101	48	100	23	101	43	
14	KC 220019	DOLLY 219	6153	KC 170023	0.0					102	67	106	71	97	51	115	36	84	35	100	52	106	24	101	46	
15	KC 220020	DOLLY 220	WDW 170039	KC 150020	0.3					88	69	99	72	114	56	115	38	103	38	107	54					
16	KC 230007	ROSEANNE 307	183F	KC 190005	0.1					99	62	98	69	111	40	94	26	97	26	103	45	101	22	103	40	
17	KC 230017	BUTTERFLY 317	174E	KC 170022	0.1					87	68	106	71	113	53	94	42	106	37	100	54	105	34	100	50	
18	KC 230018	DOLLY 318	183F	KC 150020	0.2					95	64	109	70	115	44	97	24	100	27	102	46					
										★★★★																
1	KC 160020	ROSEBUD 620	WDW 100067	KC 100016	0.4					77	80	105	80	104	80	103	57	113	53	98	68	92	28	96	60	
2	KC 160024	MINUTE MAID 624	WDW 100067	KC 070003	0.2					88	80	95	79	84	81	112	59	128	55	99	69	80	28	95	61	
3	KC 170020	MINUTE MAID 720	WDW 130120	KC 070003	0.7					86	80	100	79	84	80	120	57	106	52	94	68	90	24	92	59	
4	KC 170023	DOLLY 723	WDW 130120	KC 130028	0.8					96	80	97	79	97	80	101	55	86	50	94	67	97	24	93	58	
5	KC 190005	ROSEANNE 905	KC 170001	KRM 160067	1.8					92	75	95	76	106	71	97	51	88	43	95	62	91	25	93	55	
6	KC 200021	ROSEANNE 021	WDW 170039	KRM 160067	2.0					88	74	92	76	116	68	101	56	101	45	97	63	92	28	96	56	
7	KC 210024	DOLLY 124	WDW 170039	KC 160007	0.8					84	67	89	72	110	54	116	39	104	43	99	54	87	20	96	47	
8	KC 210030	BUTTERFLY 130	WDW 170039	KC 120019	1.0					77	72	90	74	105	64	116	47	112	46	98	60	84	23	95	53	
9	KC 230001	ROSEBUD 301	KC 200006	KC 200005	12.8					79	64	137	70	95	45	82	33	128	30	94	49					
10	KC 230003	BUTTERFLY 303	KC 200006	KC 200012	0.3					73	64	126	70	108	45	85	33	123	31	97	49					
11	KC 230009	MINUTE MAID 309	KC 200006	KC 200016	0.6					85	64	133	70	103	45	93	32	112	30	98	49					
12	KC 230019	DOLLY 319	174E	KC 170023	0.1					86	68	116	71	118	54	89	41	100	36	96	54	114	34	98	50	
										★★★★☆																
1	KC 190027	MINUTE MAID 927	WDW 130120	KC 140002	1.4					83	74	110	72	74	65	110	46	106	45	81	59	99	25	81	52	
2	KC 190034	ROSEBUD 934	KC 170001	KC 090034	4.5					79	75	105	75	97	72	102	41	93	39	86	59					
3	KC 200007	MINUTE MAID 007	652D	KC 160024	0.0					99	73	118	74	64	67	90	54	136	44	88	62	107	22	90	54	
4	KC 200018	DOWAGER 018	WDW 170016	KC 170035	1.6					94	73	93	73	85	67	125	54	76	44	85	61	87	21	84	53	
5	KC 230032	DOWAGER 332	KC 200006	KC 170035	2.3					79	66	131	70	91	49	82	35	104	32	83	50					

Selection List on Cow Value

Cows 2 years and older

ID Sorted on 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										
										★★★★☆										
6	KJA 170026	DORA	SLM 130041	KJA 110043	1.0						7480	10778	11078	8062	8256	8069	9637	8063		
										★★★										
1	KC 160025	PIXIE 625	WDW 100067	KC 090020	0.7						8281	9179	9580	11358	7254	7669	8130	7461		
2	KC 170035	DOWAGER 735	WDW 130120	KC 120020	0.8						8179	10977	8477	8957	8248	7266	9724	7358		

Selection List on Cow Value

Bull Calves younger than 2 years

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	KC 240022	BULLETIN BOARD 422	652D	KC 150014	0.0						10468	11671	9654	9038	13335	11453			
2	KC 240025	BOLD FACE 425	KC 200006	KC 180014	3.7						10666	11270	10847	8930	11929	11849			
											★★★★☆								
1	KC 240006	CATALYST 406	WDW 190009	KC 200016	0.2						9165	11370	10849	10230	10130	10249	11124	10344	
2	KC 240012	BOLD STATEMENT 412	KC 220003	KC 210019	0.9						8461	11666	10440	9126	11427	10044			
3	KC 240030	BOLT HEAD	KC 200006	KC 210007	0.9						10162	11369	10242	10028	10927	10846			
4	KC 240034	BOLD RULER 434	KC 200006	KC 130014	7.3						9567	12372	9552	9136	12335	10452			
											★★★								
1	KC 240005	CATCH MY DRIFT 405	WDW 190009	KC 200012	1.0						7165	10671	11350	9432	11231	9250	10423	9345	
2	KC 240008	BOLT ACTION 408	652D	KC 190005	0.0						9466	11870	9150	8537	11332	9851	11722	10045	
3	KC 240009	BOLD DECISION 409	KC 220003	KC 210030	1.6						7962	11766	10541	9127	12028	9945			
4	KC 240026	BOLD TEXT 426	KC 200006	KC 160014	0.2						7366	13471	10449	7633	12132	9550			
5	KC 240027	HEAVY LOAD 427	WDW 200198	KC 160022	0.8						10866	9269	8447	10234	10033	9650	8520	9344	
6	KC 240031	FULLY LOADED 431	WDW 200198	KC 130026	0.6						10466	9869	8749	9631	8534	9150			
7	KC 240037	OUT OF SIGHT 437	KC 200006	KC 170035	2.3						8666	12471	9449	8335	10332	9051			
8	KC 240041	BOULDER 441	KC 200006	KC 200034	3.5						8164	12069	10143	9530	11630	9848			
											★★★☆								
1	KC 240036	RELOADED 436	WDW 200198	KC 200038	1.3						8563	9667	8942	10128	9530	8346			
											★★								
1	KC 240029	BOLD IMPRESSION 429	KC 200006	KC 200009	0.4						7264	12770	9544	9533	9931	7949			
2	KC 240042	LOCKED IN 442	WDW 200198	KC 160025	0.9						8066	9953	8246	10134	8233	7046	8321	6841	

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	Genomic F94L 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	KC 240003	BUTTERFLY 403	652D	KC 150001	0.0			114	67	112	71	90	53	91	37	123	33	115	52				
2	KC 240017	MINUTE MAID 417	WDW 200198	KC 190002	1.1			110	63	100	66	98	40	99	25	108	28	113	45				
3	KC 240019	ROSEBUD 419	652D	KC 180002	0.0			110	66	116	71	94	51	94	36	133	32	117	51				
								★★★★☆															
1	KC 240011	GRAND SLAM 411	KC 220003	KC 210005	7.2			89	61	122	66	106	40	87	26	120	23	106	44				
2	KC 240018	DOLLY 418	652D	KC 150020	0.0			102	67	118	72	96	54	94	36	117	33	108	52				
3	KC 240033	DOLLY 433	KC 200006	KC 210011	2.1			95	63	115	69	105	43	95	29	106	29	104	47				
								★★★★															
1	KC 240015	ROSEBUD 415	WDW 190009	KC 150026	0.6			81	68	108	73	99	56	102	32	107	34	92	52	96	26	92	47
								★★★★☆															
1	KC 240010	ROSEBUD 410	WDW 190009	KC 190034	0.7			72	66	115	71	99	51	95	27	98	29	82	49	98	23	82	44
2	KC 240021	ROSEBUD 421	WDW 200198	KC 200005	0.3			88	63	114	67	82	41	90	32	112	29	87	47				
3	KC 240028	DOWAGER 428	WDW 200198	KC 200018	1.2			97	63	99	67	79	41	105	32	85	29	82	47				

LCV: Logix Cow Value (Combination of EBVs based on measurements of cows and calves on the farm)

Sub-values	Calving Ease		Calf Growth	Milk	Maintenance	Fertility		
Traits for which breeding values (EBVs) and EBV indices (EBVi) are estimated	Birth weight	Mat. Birth weight	Weaning weight	Milk	Mature weight	Longevity	Heifer Fertility	Cow Fertility
	 Calf's genetic potential for birth weight	 Cow's genetic ability to limit calf weight	 Calf's genetic potential for growth	 Mothering ability of cow	 Mature weight + Milk	 Stayability	 Age at 1 st calving	 ICP
Interpretation	Calving Ease		Calf growth	Milk	Maintenance	Fertility		
Sub-value above 100	Easier calving		Heavier weaner calf	More milk	Lower maintenance	More fertile and retained in herds		
Sub-value below 100	Difficult calving		Lighter weaner calf	Less milk	Higher maintenance	Less fertile and culled early		
	Birth weight	Mat. birth weight	Weaning weight	Milk	Cow weight	Longevity	Heifer Fertility	Cow Fertility
Higher EBV	Heavier weight	Heavier weight	Heavier weight	More milk	Heavier weight	Family remains longer	Later calving	Longer ICP
Lower EBV	Lighter weight	Lower weight	Lighter weight	Less milk	Lighter weight	Family culled earlier	Earlier calving	Shorter ICP
Optimum EBV	Lower intermediate	Lower intermediate	Higher	Higher	Higher intermediate	Higher	Lower	Lower
Optimum EBV/index*	Higher intermediate	Higher intermediate	Higher	Higher	Higher intermediate	Higher	Higher	Higher

*EBV index above 100 is in a more favourable direction and better than breed average (100).

LGV: Logix Growth Value (Combination of EBVs based on bulls measured in growth tests)

Traits for which breeding values (EBVs) and EBV indices (EBVi) are estimated	ADG  Average daily gain	Kleiber Ratio  Growth efficiency	FCR  Feed conversion ratio	Scrotal circumference  Bull fertility	Height  Shoulder/Hip height	Length  Body length	Carcass  Dressing%, Red Meat Yield and Marbling from RTU Measurements	
	Interpretation	ADG	Kleiber ratio	Feed conversion ratio	Scrotal circumference	Height	Length	Carcass
	Higher EBV	More growth	More efficient on veld	Higher intake per kg gain	Larger scrotum	Taller animal	Longer animal	More
	Lower EBV	Less growth	Less efficient on veld	Lower intake per kg gain	Smaller scrotum	Shorter animal	Shorter length	Less
	Optimum EBV	Higher	Higher	Lower	Higher	Intermediate	Intermediate/high	Higher
Optimum EBV index	Higher	Higher	High	Higher	Higher intermediate	Higher intermediate	Higher	

LPV: Logix Production Value (Combination of LCV and LGV)

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.

