

SUSSEX

BREEDING VALUE REPORT

September 2026



TRANQUIL HILLS PTY LTD

Herd Number: 725203

E-mail: quintin@allbro.com



The brand you need

 **LOGIX**

EBVs, EBVi's and GEBVs

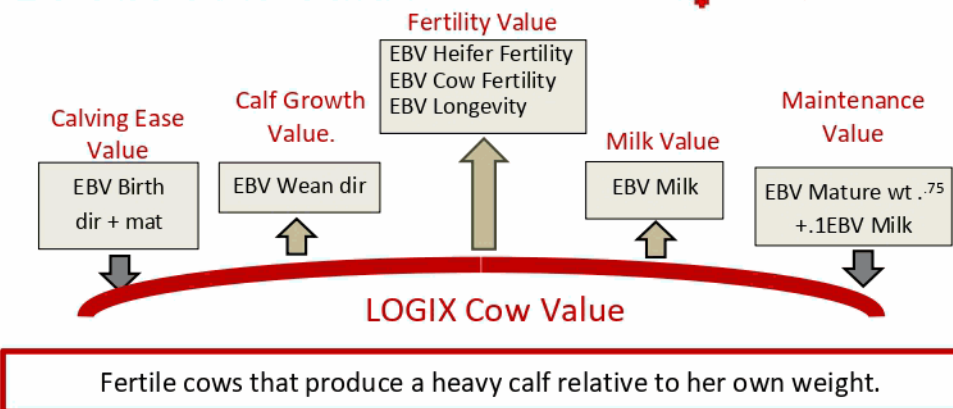
EBVi (Breeding Value Index): Genetic potential relative to the average (100) of the live (active) animals in the breed. Roughly 50% of the animals have values between 90 and 110. Values above 100, depending on the trait, tend to be in the more favourable direction.

EBV (Breeding Value): Genetic potential relative to the average of the animals born in the base year (1990), expressed in the unit of measurement.

GEBV (Genomic Breeding Value) Interpreted like the EBVi. (GEBV = EBV + Genomic information)

LOGIX Selection values combine different breeding values in a logical way. For example, Heifer Fertility (how early a heifer starts calving), Cow Fertility (how regular she calves) and Longevity (retention within the family) are combined to form the Fertility Value.

LOGIX Cow Value



Selection Values

LOGIX Cow Value



Selecting for:

- fertile,
- low maintenance,
- easy calving cows
- with heavy weaners

LOGIX Growth Value



Select for efficient growers on veld and in feedlot, as measured in Phase C and D Growth Tests.

LOGIX Production Value



80% LOGIX Cow Value +
20% LOGIX Growth Value

LOGIX Carcass Value



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

How to use the Cow Value

Selection values should be compatible with your selection goal.

AVERAGE ANIMALS

(NO GROWTH EXTREMES)

- Selection Values 90 to 110
 - Cow Value and Fertility Value average to high
- A safe choice, as animals are profitable in most environments.

GROWERS

(GOOD ENVIRONMENT)

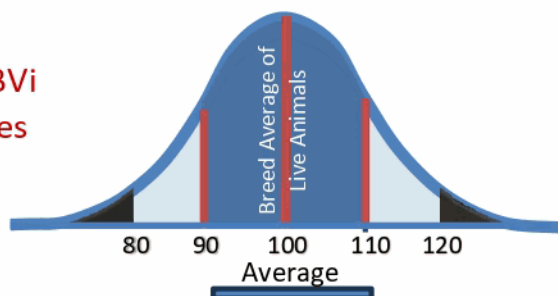
- WeanerCalf / Growth Value > 120
 - Cow Value and Fertility Value average to high
- Growers are usually heavier at birth (lower Calving Ease Value), and maturity (lower Maintenance Value).

LOW- MAINTENANCE ANIMALS

(HARSH ENVIRONMENT)

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

Interpretation of EBVi and Selection Values



Examples

Type of Animal	Cow Value	Calving Ease V	Weaner Calf V	Milk Value	Maint. Value	Fertility Value
Average	Med-High	Avg	Avg	Avg	Avg	Med-High
Grower	Med-High		High			Med-High
Low Maintenance	Med-High				High	Med-High

Contemporary Groups

The correct composition of contemporary groups is one of the cornerstones of BLUP breeding value estimation. Breeding values are estimated from the differences between animals exposed to the same environment, ***as these differences are caused by genetics***. The following aspects are important:

1. Animals at the same time, place and treatment

A contemporary group is a comparable group of animals measured at the same time in the same environment. It is therefore a comparable group of animals that were together on the same farm or camp in the same year and season. If there are animals in the group that were treated differently, they should be given a separate treatment code because their performance is influenced by other environmental influences than the rest of the group. Examples of possible different treatments are when some animals received supplements or creep feed, sale or show animals, embryo donors, sick or foster calves or even purchased cows and calves. If bull and heifer calves or older cows and young heifers were in the same camp, they should be placed in the same group – corrections for sex, age and first calving of cows are automatically made during breeding value estimation.

2. Progeny of at least two sires, of which one is a link sire

The progeny of different sires needs to be compared in the same group in order to determine the sires' genetic merit relative to each other. At least one sire should be a link sire with progeny in other herds. Genetic links between herds are used to determine the position of sires in the breed. All sires are good link sires. Smaller herds could artificially inseminate some cows or allow some cows to be covered by another herd's bull.

3. Larger groups stabilise Breeding Values

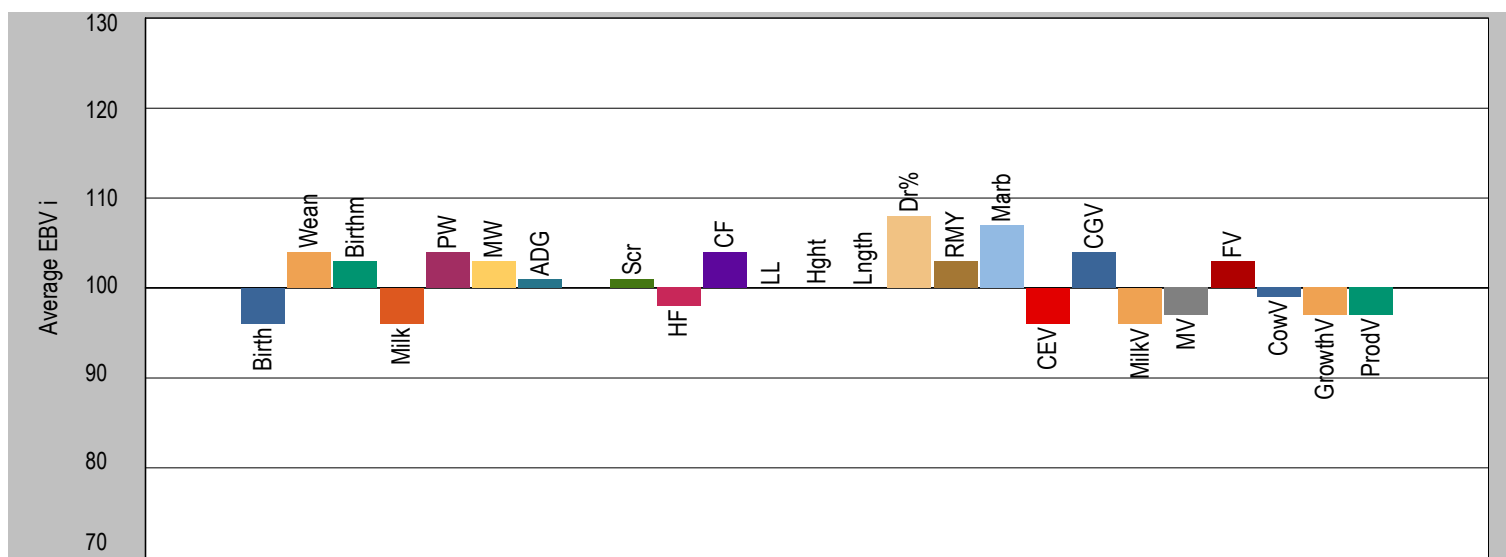
Larger groups result in more accurate and stable breeding values, as the mean and distribution of the group can be more accurately determined and are thus more representative. Groups should preferably have more than 5 animals. Weigh all the animals in the same group on the same day, as corrections for age differences are made during genetic evaluation. The use of breeding seasons rather than through the year calving will also increase contemporary group size. Groups with less than 3 animals are not included in breeding value estimation. An accidental mistake in a small group affects the animal itself, its family, all the other animals in the group and their families. The effect could be much less in large groups.

4. Measure all animals in the contemporary group

Weigh ALL the animals in the contemporary group, the good as well as the poor performers. Weigh animals before they are culled, so their parents can be penalized for their poor breeding.



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	1.48	96	1.09
	Wean Weight	17.5	104	15.4
	Birth Mat.	0.33	103	0.44
	Milk (Wn.Mat.)	4.9	96	6.2
Postwean Growth	Postwean Wt	33.2	104	29.9
	Mature Weight	29	103	26
	ADG	121	101	113
	FCR			-90
Fertility	Scrotal Circumf.	14.2	101	13.7
	Heifer Fertility	-0.1	98	-1.5
	Cow Fertility	-6.7	104	-5.8
	Longevity	25.0	100	24.9
Frame	Height	19	100	19
	Length	32	100	32
Carcass	Dressing%	0.13	108	-0.05
	RedMeatYield	1.2	103	0.4
	Marbling	-0.01	107	-0.65

Selection Value	Ave. Herd
Calving Ease	96
Calf Growth	104
Milk	96
Maintenance	97
Fertility	103
Cow Value	99
Growth Value	97
Production Value	97

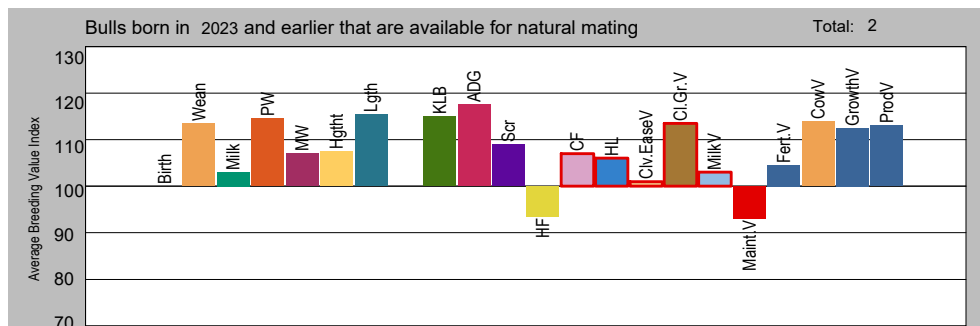
- Average of live animals in the breed: 100
- Above 100: **more favourable**,
- Below 100: **less favourable**

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

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

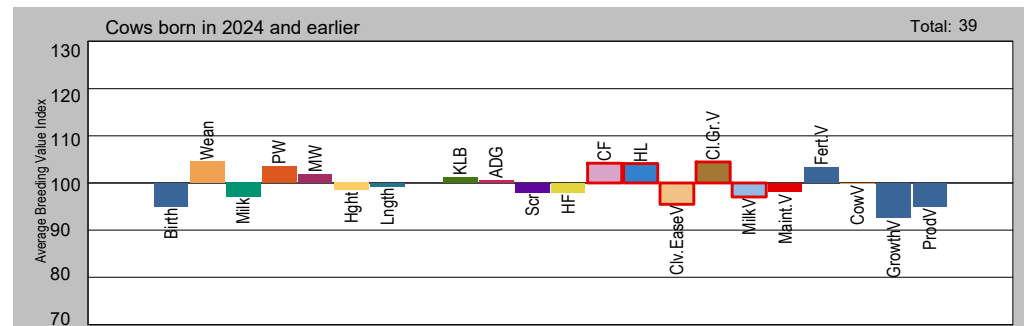
Genetic Windows

Bulls on the farm



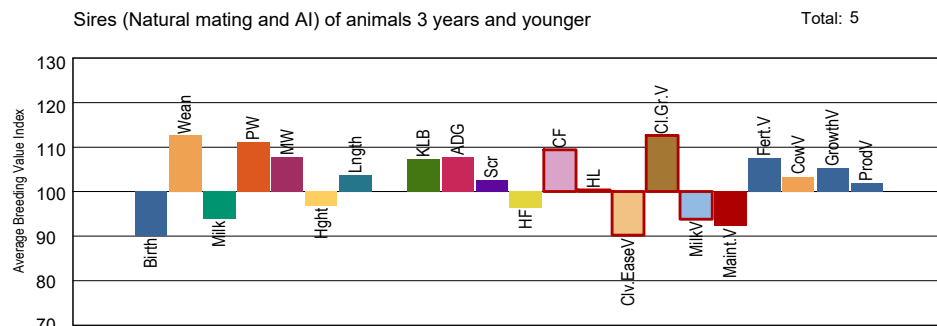
Animals available for breeding

Cow Herd

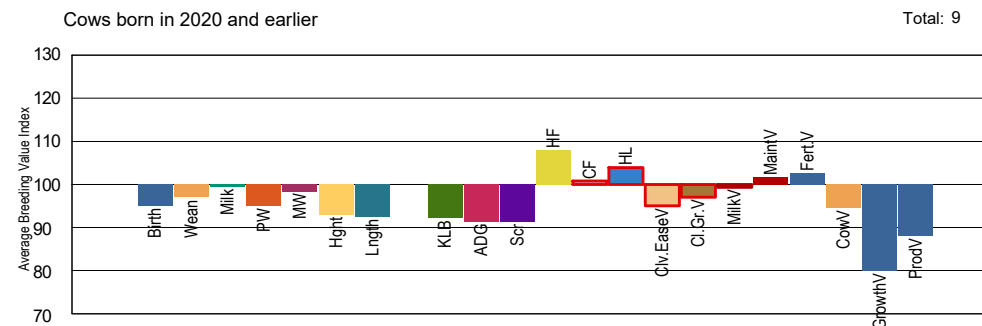


Results of previous selection decisions

Sires of young animals

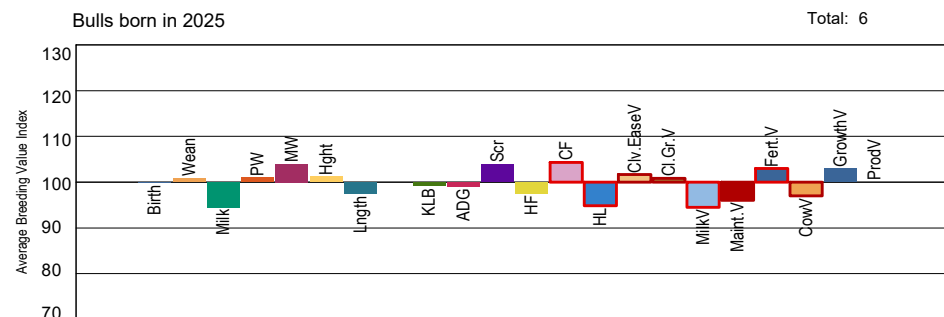


Cows older than 6 years

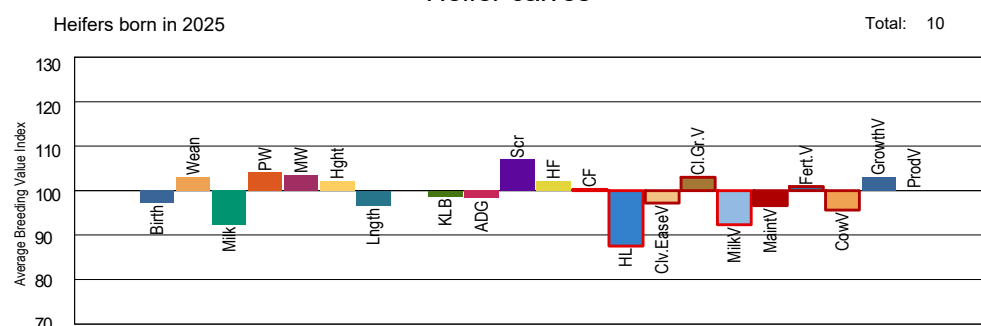


Selection possibilities

Bull calves



Heifer calves

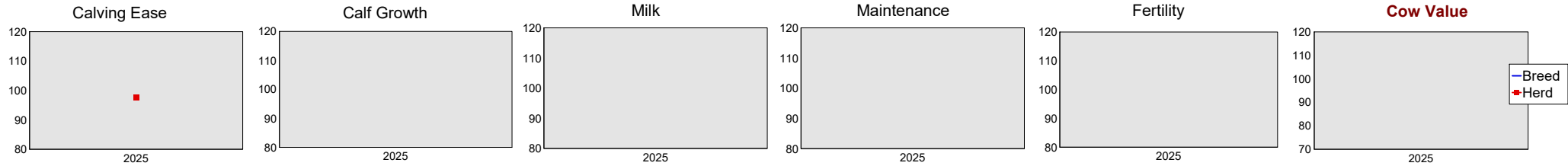


Summary of Cow Herd

			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	100	100	100	100	99	99	100	100	100	100	99	99	99	100
2015	3	★★★★	95	98	96	105	98	93	80	88	95	98	103	96	97	95	90	92	84	108	96	107	93	90
2017	4	★★★★	97	90	103	103	101	91			98	90	99	103	87	97	89	89	97	103	100	100	91	92
2018	2	★★★★☆	91	109	98	94	114	104			91	109	104	98	108	106	99	101	90	119	110	108	98	98
2021	11	★★★★☆	96	107	97	93	107	102	94	97	96	107	107	97	107	107	104	104	99	99	108	106	101	103
2022	2	★★★★☆	96	106	95	94	108	101	93	98	96	106	102	95	107	106	100	101	89	94	111	109	89	94
2023	4	★★★★	113	95	93	102	107	98	89	94	109	95	118	93	94	98	96	98	89	91	110	106	89	91
2024	13	★★★★☆	90	110	97	100	98	103	100	97	90	110	101	97	109	100	106	106	106	93	100	101	105	105
2025	10	★★★★	97	103	92	97	101	96	103	100	97	103	97	92	104	103	98	99	107	102	100	88	102	97
Cows in Herd Average:			97	102	96	99	104	99	93	96	97	102	104	96	102	102	98	99	95	101	104	103	96	96

Genetic Trends for On-Farm Traits

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



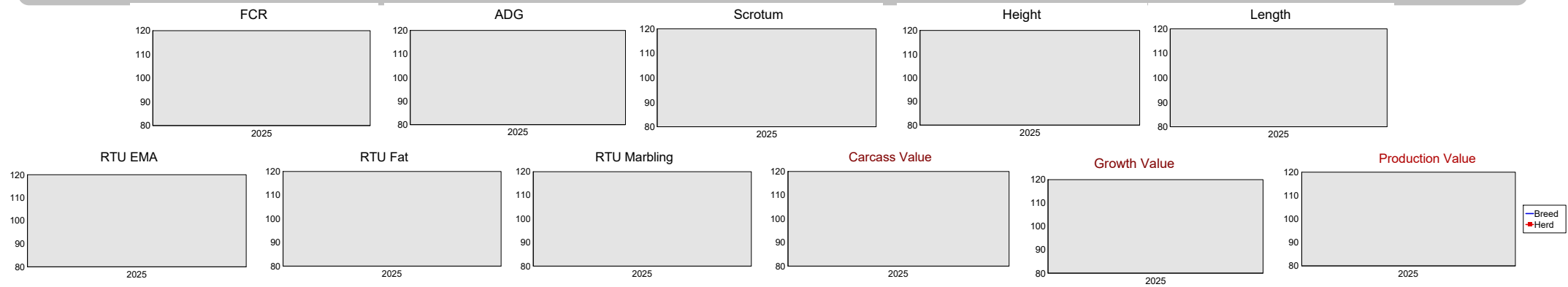
Herd

Birth Year	Calving Ease				Calf Growth			Milk		Maintenance				Fertility						Cow Value		
	Birth Weight		Dir	Mat	Calv. Ease	Weaning Weight		Calf Growth	Milk (Wn.Mat.)		Milk	Postwean Weight		Mature Weight	Maintenance	Heifer Fert.		Cow Fert.	Longevity		Fertility	
	Number	EBV				Number	EBV		Number	EBV		Number	EBV			Number	EBV		Number			EBV
2025	12	1.40	0.42	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	
2016	1955	1.03	0.37	101	1392	13.8	97	1392	4.56	95	1016	27.2	155	24	103	490	1.9	379	-4.2	1999	17.9	92	92	
2017	2176	1.04	0.42	101	1503	13.7	97	1503	4.83	95	1143	26.9	231	21	105	589	1.5	426	-4.4	2201	18.1	94	93	
2018	2151	1.03	0.34	101	1437	14.3	98	1437	4.35	94	1018	28.3	233	23	103	512	-0.1	390	-5.4	2143	17.4	97	93	
2019	2032	1.08	0.35	100	1356	14.5	98	1356	5.11	96	967	28.6	173	26	101	519	0.5	353	-5.2	2109	18.7	96	95	
2020	2209	1.13	0.42	100	1596	14.7	99	1596	5.13	96	1107	28.3	226	27	101	587	-0.5	403	-5.6	2251	18.7	98	95	
2021	2344	1.00	0.39	101	1733	15.1	99	1733	5.53	98	1384	29.5	220	25	101	696	-0.1	414	-5.4	2145	19.1	98	98	
2022	2141	1.10	0.38	100	1549	15.6	100	1549	5.68	98	1124	30.7	148	25	99	479	1.6	92	-5.9	898	19.9	98	98	
2023	2136	1.05	0.46	100	1634	15.5	100	1634	6.11	100	1211	29.9	17	26	100	237	0.4	3	-6.6			97	99	
2024	2177	1.09	0.46	100	1492	16.2	102	1491	6.17	100	992	31.7			99	22	-3.8					95	101	
2025	2001	0.91	0.46	102	1255	14.9	99	1255	5.87	99	218	32.9			100								99	
2026	686	0.88	0.57	102	27	18.8	107	27	8.86	108													112	

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			
2025																									

Breed

Birth Year	Growth									Frame						Carcass						Selection Values				
	FCR			ADG			Scrotum			Height			Length			RTU		EMA		Fat		Marbling		Cracss Value	Growth Value	Prod Value
	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi	EBV	EBVi	EBV	EBVi				
2017	4	-123	113	264	120	101	263	11.8	96	264	18	98	264	30	98	51	-0.06	102	1.13	107	-0.29	104	102	96	91	
2018	3	-124	113	218	128	103	218	14.1	101	218	19	100	218	33	101	39	0.53	107	1.02	106	-0.27	104	107	98	92	
2019	10	-124	113	147	137	104	147	13.5	100	147	20	102	147	35	102	28	0.60	108	1.85	113	-0.09	106	111	99	93	
2020	7	-123	113	182	123	102	182	14.3	101	182	18	99	182	32	100	49	-0.11	102	0.85	105	-0.45	102	100	98	93	
2021	3	-120	112	253	127	102	253	14.2	101	253	20	101	253	36	103	27	0.70	108	0.45	101	-0.28	104	111	99	96	
2022				221	146	106	221	13.9	100	221	22	104	221	38	105	48	0.94	111	1.23	108	0.05	108	109	103	98	
2023				241	133	104	241	13.2	99	241	19	100	241	34	102	94	-0.31	100	0.07	98	-0.43	103	99	100	95	
2024				154	148	106	166	13.8	100	132	20	102	132	37	104									103	98	
2025																										
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.
CC 180004		TZ 130197 CC 090013	73	139	73	91	72	100	114	101	64	139	113	73	131	109	121	118	137	91	72	101	107	121	118	131	99	26	22
DIAMOND 6 E			89	86	70	21	51	58	42	55	4.31	35.0	-0.10	-2.0	56.8	36	223	-135	31.6	5.9	1.0	25.6	24	58	1.85	4.10	-0.77	6	6 9
CN 150015		CN 110061 CN 120039	77	130	106	61	97	109	127	112	78	130	98	106	130	139	127		112	94	98	100	135	129	125	100	104	20	13
SOVEREIGN			87	84	72	36	50	60	32	54	3.05	30.1	0.51	8.0	55.4	66	258		19.5	3.1	-5.3	24.9	45	68	2.63	0.26	-0.33	2	4 13
JRE 120058		JRE 070087 JRE 060030	106	96	115	99	119	112	83	104	106	96	115	100	101	93			101	138	110	108	86	96	107	111	124	50	42
GOLIATH 11TH			91	88	83	56	61	71	38	64	0.57	13.4	0.60	11.0	29.6	27	77		14.3	-32.3	-8.2	30.6	9	27	0.55	1.70	1.42		14 52
JRE 180078		JRE 130173 JRE 130188	86	122	94	78	125	111	118	111	85	122	117	94	116	122	114		89	129	119	102	89	114	115	113	133	107	87
COLOSSAL 37TH			92	92	70	40	50	63	43	59	2.43	26.6	-0.27	4.4	43.7	48	190		8.3	-25.3	-10.3	26.2	11	49	1.41	1.94	2.24	34	11 11
JRE 210064		JRE 190066 JRE 170093	70	129	91	92	87	104	119	106	73	129	92	91	126	108	126		145	91	88	98	135	124	129	130	100	37	9
GRANITE 2ND			86	76	47	26	28	44	36	42	3.54	29.8	0.80	3.6	52.5	34	252		35.5	6.0	-3.0	23.5	45	62	3.15	3.97	-0.66	1	
JS 130025		JVB 070047 PKB 050314	102	87	104	114	71	88	84	85	101	87	100	104	84	86	85		86	67	78	87	88	91				14	11
JS 130025			81	72	66	29	44	52	26	47	0.97	9.0	0.46	7.5	15.9	11	36		6.9	25.3	-0.5	15.4	10	20				1	3 7
JS 140042		TZ 110068 JS 100006	85	93	93	104	105	83	86	81	87	93	93	93	88	96	90		100	111	102	92	88	89				11	5
VIGOREX STEELJACK			82	78	63	35	42	54	20	47	2.29	11.9	0.72	4.2	19.7	22	60		13.7	-10.3	-6.3	19.5	10	18					3 9
JS 150036		JRE 120058 JS 120005	97	100	99	107	94	98	81	92	96	100	106	99	99	93	90		91	121	88	113	95	93	99	104	111	1	
JS 150036			76	68	60	40	43	52	23	46	1.42	15.2	0.19	5.8	28.6	18	62		9.2	-18.3	-2.8	33.8	15	23	-0.51	0.77	0.31		1 2
JS 160002		CN 120034 TL 070001	113	101	84	93	121	99	95	97	109	101	125	84	101	107	103		91	88	127	103	88	95	109	109	107	125	92
TREVOR			94	89	76	40	58	66	34	60	0.28	16.2	-0.63	1.4	31.2	33	129		9.2	8.5	-12.2	26.8	10	25	0.70	1.40	-0.09	9	13 20
JS 180006		CN 150033 JS 150052	97	111	110	94	109	116	121	116	97	111	101	110	111	106	115		121	112	106	103	135	129	123	108	114	19	16
JS 180006			83	80	63	34	44	55	36	51	1.37	20.9	0.40	9.4	39.6	32	193		23.9	-11.1	-7.3	27.4	45	69	2.42	1.27	0.55	6	7 7
JS 180032		CN 150015 PKB 050314	72	125	90	73	78	92	115	95	70	125	106	90	119	127	118		109	75	83	110	115	117	114	100	105	3	2
JS 180032			78	75	60	28	40	50	24	45	3.74	27.9	0.18	3.3	46.1	54	209		18.0	19.2	-1.7	32.2	30	53	1.38	0.24	-0.19	1	2 2

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.
JS 200026		JS 160002 JS 150005	92	108	92	87	112	98	89	94	91	108	111	92	106	113	99		97	90	116	106	81	93	107	99	107	13	14
JS 200026			79	73	55	30	38	49	25	44	81	73	57	55	51	30	44		50	46	30	56	49	47	30	26	25	4	
MS 210038		GMO 180009 MS 160003	90	103	108	111	93	105			92	103	89	108	107	89	97		91	84	97	93	91	93				12	9
FRONTRUNNER			81	78	51	11	33	44			83	78	51	51	66	11	19		23	46	20	50	23	22					

Breeding Values and Accuracies: Bulls

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

Inbreeding in red is high

Value <80 Value >120

Breeding values with an accuracy < 5% are not printed

Animal				Selection Values								Birth		Wean				Growth			Fertility				Frame		Carcass					
Index EBV Acc	% 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		
JS 220016 94342912 JS 220016	3	JS 160002 JS 140015		104 74	104 72	92 55	100 28	99 35	100 47	102 23	99 42	107 16	103 0.85 76	110 0.01 56	100 26 28	104 17.3 72	92 3.8 55	97 69 52	105 34.2 55	111 171 40			105 16.1 45	79 15.7 44	105 -6.9 26	108 30.8 50	98 17 45	101 34 43	107 0.45 19	112 1.77 14	108 0.01 13	
JRE 230033 96571542 POLLED MIGHTY	2	JRE 180078 JRE 190051		98 73	123 72	114 49	86 26	110 30	128 44	123 23	127 40	129 35	97 1.36 75	105 0.23 49	114 41 26	123 26.8 72	114 10.5 49	122 124 49	124 50.4 49	124 240 42			113 19.8 46	108 -7.6 42	109 -8.0 19	104 27.4 43	117 32 47	130 70 45	121 2.20 37	118 2.49 33	117 0.86 32	
JS 240002 96690383 JS 240002	1	JS 160002 JS 170027		101 60	100 58	95 51	89 24	102 32	94 41				100 1.11 61	109 0.07 51	111 37 24	100 15.4 58	95 4.7 51	93 58 44	99 28.7 46	99 110 31			98 12.7 35	91 5.7 42	104 -6.8 23	101 25.3 45	94 15 34	97 29 32				
JS 240011 97335137 JS 240011	14	JS 200026 JS 210004		94 68	106 65	91 34	89 10						93 1.73 71	113 -0.11 36	111 37 10	106 18.6 65	91 3.4 34	94 61 36	104 33.4 24			96 11.9 14	78 16.4 25		109 31.0 29	88 10 11						
JS 240014 97335160 JS 240014	1	MS 210038 JS 210001		78 69	109 67	94 40	96 17	105 24	94 37				79 2.94 71	97 0.58 40	104 30 17	109 20.1 67	94 4.3 40	101 78 41	108 36.4 40	97 98 19			91 9.2 23	91 5.9 32	108 -7.7 17	104 27.7 37	92 13 22	94 24 21				
JS 240021 97335335 JS 240021	2	MS 210038 JS 210030		86 72	111 52	97 37	94 14	104 26	101 33				87 2.25 74	99 0.49 42	106 32 14	111 20.7 52	97 5.4 37	104 84 34	111 39.3 42	102 122 18			94 11.0 21	86 10.1 35	108 -7.7 16	96 22.3 36	95 15 20	98 29 19				
JS 240028 97628143 VIGOREX FORTIS 5TH	3	JRE 210064 JS 150009		84 72	115 67	92 46	87 22	91 26	95 40	103 22	95 36	111 17	85 2.48 74	99 0.47 46	113 39 22	115 22.6 67	92 3.9 46	100 76 45	113 41.0 40	112 178 38			121 24.0 44	96 1.7 34	91 -3.7 18	107 30.0 39	120 34 44	113 48 42	117 1.65 19	119 2.57 15	106 -0.15 14	
JS 240052 98398837 VIGOREX FORTIS 13TH	2	JRE 210064 JS 170053		84 58	110 52	98 39	97 19	102 22	100 32				86 2.37 59	92 0.78 41	103 29 19	110 20.5 52	98 5.5 39	105 86 37	109 37.3 40	110 167 32			121 24.0 37	106 -6.5 31	100 -5.9 13	98 23.7 35	113 29 37	109 43 35	114 1.30 7			
JS 240053 98398845 JS 240053		JS 180055		113 38	85 29	89 33	109 20	108 20	88 25				112 0.04 38	99 0.49 34	91 17 20	85 8.2 29	89 2.8 33	83 37 27	89 20.4 23			87 7.6 9	132 -27.1 27	99 -5.6 12	78 9.0 22	83 6 10	75 1 8					
SR 250006 99465718 SR 250006	2	JRE 210064 JS 210015		70 70	136 50	99 37	89 18	99 22	117 32	120 20	117 30	121 8	64 4.28 73	89 0.92 38	111 38 18	136 33.2 50	99 6.0 37	122 124 35	132 57.8 36	122 232 34			131 28.5 40	92 4.8 31	102 -6.1 12	102 26.4 32	132 43 40	124 63 38	125 2.67 11			
SR 250007 99465726 SR 250007	2	JRE 210064 JS 210023		86 70	115 52	98 38	90 20	91 22	101 33	110 20	102 30	114 10	86 2.31 73	97 0.55 39	110 37 20	115 22.9 52	98 5.5 38	106 88 37	114 41.8 36	116 198 34			123 24.9 39	93 4.3 31	92 -3.9 13	105 28.2 33	120 34 39	115 51 37	118 1.79 13	117 2.32 8	105 -0.24 7	
SR 250009 99465742 SR 250009	3	JS 160002 JS 150035		103 74	96 59	86 54	108 30	112 38	93 45	85 21	89 40	94 21	102 0.96 75	114 -0.17 57	92 18 30	96 13.5 59	86 2.0 54	90 51 48	95 25.7 48	93 79 38			82 5.2 43	103 -3.8 45	112 -8.6 30	105 28.4 48	86 8 42	88 17 40	101 -0.24 23	106 1.08 19	108 0.06 18	

Breeding Values and Accuracies: Bulls

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

Inbreeding in red is high

Value <80 Value >120

Breeding values with an accuracy < 5% are not printed

Animal				Selection Values										Birth		Wean				Growth			Fertility				Frame		Carcass		
Index EBV Acc	% 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	
SR 250011	3	JS 160002		106	100	89	87	108	94	89	91	99	104	116	113	100	89	88	100	99			91	94	111	107	94	96	105	108	109
99465767		JS 150009		74	60	56	29	38	45	21	40	17	0.75	-0.25	40	15.6	2.9	47	30.2	106			9.6	3.3	-8.4	30.0	14	27	0.29	1.25	0.11
SR 250011													75	57	29	60	56	48	48	38			42	46	29	48	42	40	19	15	14
SR 250013		JS 210032		118	87	91	100	103	89			87	117	101	100	87	91	83	91	87			92	102	103	76	87	82	92	102	98
99465783				65	35	27	13	22	25			14	-0.41	0.40	26	8.8	3.3	36	22.4	43			9.9	-3.0	-6.4	7.8	9	9	-1.32	0.56	-0.82
SR 250013														68	33	13	35	27	25	28	21			23	28	16	26	23	22	14	13
SR 250014		JS 170040		127	71	104	102	105	88				126	98	98	71	104	82	74	77			104	101	106	74	88	80			
99465791				67	37	35	16	17	26				-1.22	0.54	24	1.2	7.5	34	7.6	-10			15.6	-2.4	-7.1	6.7	10	7			
SR 250014														69	37	16	37	35	29	30	14			19	23	11	26	19	18		

Breeding Values and Accuracies: Cows

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

Inbreeding in red is high

Value <80 Value >120

Breeding values with an accuracy < 5% are not printed

Animal			Selection Values								Birth		Wean				Growth			Fertility				Frame		Carcass				
Index EBV Acc	% Inbreeding	Sire ID Dam ID	Calv. Ease V	Calf Growth V	Milk V	Maint. V	Fertility V	Cow Value	Growth Value	Prod. Value	Carcass Value	Birth wt dir	Birth mat	Mature wt	Wean wt	Wean mat	Cow-Calf Ratio (Wean)	Postwean wt	ADG	FCR	Scrotal Circ.	Heifer Fertility	Cow Fertility	Longevity	Height	Length	EMA	Fat	Marbling	
ID Number Name																														
JS 150009 82315078 JS 150009	1	JRE 120058 JS 120007	92 81	104 79	92 79	81 45	95 50	88 62	84 26	85 55	95 32	92 1.85 81	108 0.12 80	119 46 45	104 17.5 79	92 3.7 79	90 53 68	103 32.2 62	94 84 46			92 10.0 52	101 -2.0 59	95 -4.5 41	112 33.3 60	99 18 53	97 28 51	102 -0.13 34	107 1.11 30	111 0.31 30
JS 150014 82315144 JS 150014	1	JRE 120058 JS 120053	96 84	100 79	106 81	110 50	97 50	104 63	81 24	97 55	92 34	96 1.43 84	96 0.63 82	90 15 50	100 15.3 79	106 8.2 81	109 95 70	101 30.4 60	92 72 43			87 7.7 47	105 -5.1 60	95 -4.7 41	102 26.5 62	95 15 48	92 22 46	99 -0.41 36	105 0.93 32	112 0.38 32
JS 150035 82328675 JS 150035	1	JRE 120058 JS 120022	96 82	90 77	89 74	123 46	102 49	87 60	75 24	82 53	86 34	96 1.49 82	104 0.28 79	77 2 46	90 10.4 77	89 2.8 74	92 57 66	88 19.5 58	84 28 44			74 1.2 48	118 -16.2 58	97 -5.0 40	107 30.1 62	84 7 49	82 10 47	93 -1.18 36	104 0.75 32	110 0.20 31
JS 170012 85701993 JS 170012	1	JS 130025 JS 140082	98 80	89 73	92 73	121 37	91 43	86 55				98 1.27 80	98 0.54 75	79 4 37	89 9.8 73	92 3.7 73	93 59 61	87 18.6 54	84 28 26			78 3.3 30	97 1.2 54	91 -3.6 32	98 23.5 54	82 6 30	82 10 29			
JS 170027 85769693 JS 170027	8	JS 140042 JS 130036	89 77	98 74	106 68	86 28	82 37	88 50				91 1.94 78	93 0.76 65	114 40 28	98 14.5 74	106 8.1 68	98 71 57	96 26.3 53	96 92 15			105 16.2 22	95 2.9 51	82 -1.4 23	98 23.8 52	101 19 23	100 32 20			
JS 170040 86623469 JS170040	7	JS 140042 JS 130006	104 80	83 74	110 71	104 33	112 35	94 51				102 0.93 80	113 -0.09 74	96 22 33	83 6.7 74	110 9.2 71	96 65 59	74 7.6 59	80 9 29			109 18.1 37	96 2.2 47	114 -9.1 23	104 27.6 52	89 11 38	91 21 35			
JS 170053 86623501 JS170053	5	JS 140042 JS 130045	98 78	91 73	104 64	102 29	117 38	97 50				99 1.21 79	93 0.75 69	98 24 29	91 11.2 73	104 7.4 64	97 69 55	91 22.0 60	94 82 17			97 12.4 21	122 -19.1 52	113 -8.8 24	98 23.8 53	91 12 22	93 24 20			
JS 180026 87389672 JS 180026	1	CN 150015 TL 070001	80 79	125 77	106 75	70 29	113 46	112 56			114 10	81 2.78 80	95 0.66 73	130 57 29	125 27.6 77	106 8.0 75	111 100 60	124 50.9 56	117 206 32			104 15.7 36	86 10.0 55	119 -10.2 37	106 28.9 56	116 31 36	115 51 35	116 1.55 12	103 0.67 8	106 -0.13 7
JS 180055 88342183 JS 180055	14	JS 150036 JS 160010	102 75	93 59	89 65	118 40	115 39	95 49				100 1.07 76	113 -0.13 68	82 7 40	93 11.9 59	89 2.9 65	93 59 55	91 22.3 46	81 14 7			76 2.2 18	152 -43.6 54	101 -6.1 24	110 32.3 44	80 4 19	81 8 16			
JS 210001 92378595 JS 210001	3	JS 160002 JS 150009	98 73	100 71	92 63	84 35	118 39	92 51	86 21	89 45	95 17	98 1.29 74	104 0.27 62	116 43 35	100 15.2 71	92 3.7 63	88 48 56	100 29.5 48	95 89 38			87 7.4 42	97 1.0 46	120 -10.6 32	110 31.7 51	90 11 42	91 21 40	102 -0.11 19	107 1.17 15	108 0.05 14
JS 210004 92372481 JS 210004	3	JS 160002 JS 140017	105 73	101 71	93 62	92 34	91 41	94 51	97 20	93 45	101 9	103 0.80 74	115 -0.19 62	108 34 34	101 15.8 71	93 4.0 62	92 58 56	101 30.5 48	104 135 36			93 10.5 40	65 27.0 56	101 -5.9 26	107 29.7 51	94 14 39	96 28 37	104 0.13 12	108 1.32 6	
JS 210007 92372499 JS 210007	1	JS 160002 JS 160010	111 76	90 71	86 62	100 37	114 43	89 53	82 20	85 46	90 18	109 0.31 77	117 -0.27 61	100 25 37	90 10.5 71	86 1.8 62	82 33 57	90 20.9 48	90 58 36			79 3.5 39	109 -8.5 57	113 -8.8 29	107 29.7 49	79 3 39	84 12 37	98 -0.62 20	106 1.03 17	109 0.11 16

Breeding Values and Accuracies: Cows

Green: >120 High
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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																														
JS 210015 92372564 JS 210015	5	JS 180006 JS 180026	80 75	124 68	117 57	85 27	112 38	123 47				83 2.63 76	85 1.09 61	115 42 27	124 27.4 68	117 11.5 57	125 131 51	126 52.0 46	119 212 31			116 21.4 37	94 3.5 51	115 -9.3 24	106 29.3 45	128 40 37	125 64 35			
JS 210019 92372572 JS 210019	1	JS 180006 JS 170053	97 76	104 70	99 56	98 23	127 34	107 45				97 1.38 77	105 0.21 62	102 28 23	104 17.4 70	99 5.9 56	102 78 50	103 32.2 48	104 136 32			109 17.9 37	143 -36.2 51	117 -9.9 17	104 27.6 46	113 28 38	111 46 36			
JS 210022 92372598 VIGOREX VERITY 5TH	9	JS 180006 JS 150005	96 74	108 70	117 58	92 31	104 32	115 46	103 21	111 41		96 1.41 75	94 0.69 57	108 34 31	108 19.3 70	117 11.6 58	116 111 53	109 37.3 47	105 141 36			110 18.7 42	97 0.7 51	105 -7.0 13	107 29.6 44	110 27 43	111 46 41			
JS 210023 92372606 JS 210023	2	JS 180032 JS 150061	93 76	106 71	101 59	87 33	95 39	98 50			104 11	93 1.75 77	104 0.28 63	113 40 33	106 18.5 71	101 6.7 59	101 77 54	105 34.1 46	106 143 30			101 14.3 34	95 2.6 52	96 -4.8 26	111 33.0 47	106 23 34	106 39 33	106 0.43 13	103 0.68 9	110 0.19 8
JS 210030 92372663 JS 210030	1	JS 160002 JS 140048	87 77	115 70	89 55	78 27	115 43	98 49			106 6	87 2.28 78	109 0.07 66	122 49 27	115 22.9 70	89 2.7 55	95 63 51	113 41.2 52	107 149 34			97 12.5 38	87 8.8 55	120 -10.5 31	99 24.5 52	98 18 37	102 35 36	109 0.81 9		
JS 210032 92850460 JS 210032	1	JS 160002 JS 150039	106 77	99 71	90 54	101 26	107 44	97 50	92 23	94 45	99 27	104 0.76 78	118 -0.32 66	99 25 26	99 15.1 71	90 3.2 54	92 58 50	99 29.0 56	100 115 41			86 6.8 46	97 0.9 56	108 -7.7 32	107 29.9 52	88 10 45	94 24 43	107 0.46 29	111 1.62 25	111 0.30 24
JS 210037 93119089 JS 210037	1	CC 180004 JS 190001	76 77	133 71	83 60	106 30	88 42	109 51	109 21	108 45	122 30	77 3.16 78	104 0.28 64	94 19 30	133 31.7 71	83 0.9 60	115 109 54	130 56.0 53	116 197 37			123 25.0 41	103 -3.6 55	86 -2.4 30	105 28.5 48	113 28 42	117 53 40	116 1.55 32	128 3.69 28	94 -1.17 27
JS 210039 92851310 JS 210039	2	JS 160002 JS 150014	111 75	98 73	95 63	99 36	106 44	101 53	90 21	97 47	99 20	109 0.33 76	117 -0.30 66	101 27 36	98 14.7 73	95 4.7 63	95 63 57	99 29.2 48	100 112 37			92 9.9 41	99 -0.4 56	107 -7.4 32	105 28.3 52	94 14 40	96 27 39	106 0.35 21	108 1.21 18	110 0.18 17
JS 220022 94342953 JS 220022	1	JS 160002 JS 140053	91 76	104 72	97 55	92 25	105 36	96 47	89 20	93 42	95 8	93 1.75 77	91 0.83 62	108 34 25	104 17.4 72	97 5.3 55	98 71 51	104 33.7 61	95 85 36			87 7.7 40	89 7.4 44	109 -7.8 28	108 30.2 50	85 8 37	90 20 35	99 -0.40 11	104 0.74 5	
JS 220032 94343027 JS 220032	1	JS 160002 JS 150039	101 75	108 72	93 54	96 26	111 38	105 48	96 23	102 43	103 27	99 1.15 76	113 -0.10 57	104 30 26	108 19.5 72	93 4.2 54	100 75 51	109 37.4 60	104 134 41			91 9.2 46	98 -0.1 46	113 -8.9 29	109 31.3 51	92 13 45	98 30 43	111 0.94 29	112 1.73 25	112 0.38 24
JS 230009 95692455 JS 230009	3	JS 160002 JS 140017	120 74	94 70	97 55	102 28	99 36	101 47	96 20	98 42	101 9	116 -0.37 75	118 -0.33 56	98 24 28	94 12.2 70	97 5.1 55	93 60 51	96 26.3 52	103 130 36			92 9.9 40	80 15.0 45	105 -6.9 26	102 26.5 50	93 13 39	95 26 37	103 0.04 12	108 1.30 6	
JS 230017 95694907 JS 230017	2	JS 160002 JS 150014	107 75	96 72	97 56	105 31	109 38	101 49	85 21	95 43	93 20	105 0.62 76	108 0.08 57	95 20 31	96 13.6 72	97 5.2 56	97 68 53	97 27.7 53	94 82 37			84 6.1 41	97 0.7 46	110 -8.2 29	106 28.9 51	87 9 40	89 18 39	100 -0.29 21	106 1.07 18	108 0.08 17

Breeding Values and Accuracies: Cows

Green: >120 High
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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																													
JS 230019 95694923 JS 230019	2	JS 160002 JS 170003	111 73	98 70	80 54	100 26	104 37	90 47	87 20	88 42	95 15	107 0.44 75	126 -0.65 55	100 26	98 14.3 70	80 0.1 54	83 37 50	94 25.2 53	95 89 36	81 4.4 40	93 3.8 45	106 -7.2 29	108 30.4 50	87 9 39	90 19 37	101 -0.25 17	98 -0.03 13	105 -0.26 12	
JS 230023 95694964 JS 230023	1	JS 160002 JS 170040	112 73	90 71	99 52	100 29	117 32	99 45				109 0.27 75	118 -0.33 54	100 26 29	90 10.7 71	99 5.9 52	92 57 51	87 19.1 53	90 62 33	98 12.7 37	92 5.4 41	120 -10.7 23	106 29.1 47	87 9 36	91 21 35				
JS 240004 97335095 JS 240004	2	MS 210038 JS 210023	93 70	103 67	105 39	101 16	94 24	101 37				93 1.69 72	96 0.60 40	99 25 16	103 17.1 67	105 7.8 39	107 91 41	104 33.7 40	99 109 16	94 10.7 19	90 6.6 34	96 -4.8 15	102 26.6 36	96 16 19	97 28 18				
JS 240006 97335301 JS 240006	1	MS 210038 JS 210037	81 70	119 67	95 39	110 15	90 26	107 37				82 2.69 72	96 0.59 41	90 15 15	119 25.0 67	95 4.5 39	115 110 40	119 46.5 42	104 136 19	105 16.0 22	94 3.7 35	91 -3.6 16	99 24.2 36	100 19 23	103 35 22	105 0.26 8			
JS 240008 97335111 JS 240008	17	JS 200026 JS 210039	99 68	107 66	93 34	92 10						97 1.38 71	115 -0.19 38	108 34 10	107 19.1 66	93 3.9 34	97 69 37	106 35.2 23		95 11.5 11	94 3.8 23		105 28.5 29	88 10 6					
JS 240015 97335178 JS 240015	2	MS 210038 JS 210015	82 69	119 67	111 38	94 14	103 24	116 36				84 2.50 72	88 0.96 39	106 32 14	119 24.9 67	111 9.8 38	121 123 40	121 48.2 40	111 170 16	108 17.5 20	87 9.0 34	107 -7.5 14	100 24.8 34	114 29 20	113 49 19				
JS 240017 97335194 JS 240017	1	MS 210038 JS 210022	88 68	114 67	111 38	96 16	99 22	114 36				89 2.03 71	93 0.74 38	104 30 16	114 22.4 67	111 9.7 38	118 115 40	116 43.5 40	106 145 18	108 17.5 23	88 8.2 34	103 -6.5 11	100 25.0 34	107 24 23	109 43 22				
JS 240019 97335202 JS 240019	1	MS 210038 JS 210032	105 72	97 52	102 37	106 13	100 26	102 33				104 0.69 74	103 0.31 42	94 20 13	97 13.9 52	102 6.7 37	101 78 34	100 29.5 42	98 105 21	88 8.1 24	91 6.1 36	102 -6.3 17	100 25.0 36	90 11 24	94 24 23				
JS 240037 97629851 JS 240037	14	JS 160002 JS 180026	90 73	120 70	93 51	80 13	118 24	108 39				89 2.04 75	111 -0.02 52	120 46 13	120 25.2 70	93 4.1 51	102 80 45	119 46.0 41	114 188 16	103 15.0 26	86 10.3 37	124 -11.4 11	107 29.5 41	107 24 23	110 44 20				
JS 240038 97629836 JS 240038	1	JRE 210064 JS 170012	88 72	106 53	93 43	107 22	89 24	95 35			104 10	89 2.10 74	94 0.67 44	93 19 22	106 18.6 53	93 4.0 43	102 81 39	105 34.2 38	105 140 33	112 19.4 39	94 3.6 32	90 -3.3 15	98 23.5 36	109 25 38	103 36 36	107 0.50 12	113 1.88 8	102 -0.47 7	
JS 240041 97628218 JS 240041	3	JRE 210064 JS 200014	90 70	109 46	85 37	106 15	77 17	90 28	106 20	92 26	111 12	90 1.97 73	104 0.28 38	94 20 15	109 19.6 46	85 1.7 37	98 70 33	106 35.0 34	112 175 35	111 19.0 41	81 13.7 25	80 -1.0 9	100 24.9 32	113 28 41	106 40 39	110 0.92 15	121 2.91 9	104 -0.34 7	
JS 240042 97628226 JS 240042	2	JS 160002 JS 150014	104 75	101 60	95 56	101 31	109 38	101 46	88 21	97 41	97 20	102 0.88 76	110 0.00 57	99 24 31	101 15.8 60	95 4.7 56	98 70 49	101 30.9 48	98 101 37	89 8.4 41	96 1.7 46	111 -8.4 29	102 26.6 48	91 12 40	93 24 39	104 0.15 21	107 1.17 18	109 0.15 17	

Breeding Values and Accuracies: Cows

Green: >120 High
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Inbreeding in red is high

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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																													
JS 240043 97628234 JS 240043	1	JRE 210064 JS 170040	82 72	109 53	99 42	98 21	99 21	98 34	98 20	96 31		82 2.67 74	102 0.34 43	102 28 21	109 19.9 53	99 5.8 42	105 87 39	103 32.1 40	103 130 34		127 26.8 40	93 4.1 29	101 -6.0 13	101 25.6 34	112 28 40	107 41 38	106 0.38 5		
JS 240047 97751002 JS 240047	3	JRE 210064 JS 150035	80 73	112 54	89 43	108 23	94 26	95 36	97 21	94 33	105 18	81 2.79 75	98 0.53 46	92 18 23	112 21.2 54	89 2.8 43	104 83 40	109 37.3 40	105 140 37		110 18.4 43	104 -5.1 33	93 -4.0 18	103 26.8 38	109 26 43	103 36 41	111 0.98 20	117 2.36 16	105 -0.23 15
JS 240048 97751010 JS 240048	2	JRE 210064 JS 210019	84 71	117 51	95 36	95 16	107 20	105 31	112 20	105 29	115 8	85 2.47 74	98 0.50 38	105 31 16	117 23.7 51	95 4.7 36	107 91 34	114 42.4 36	115 194 34		127 26.7 40	117 -15.1 31	103 -6.4 9	101 25.5 32	124 37 40	117 54 38	120 2.04 11	117 2.44 5	
SR 250001 99465676 SR 250001		JS 170027	106 38	88 37	97 34	93 14	90 19	85 25				107 0.47 39	88 0.94 32	107 33 14	88 9.6 37	97 5.4 34	87 45 28	91 22.4 26	85 32 8		102 14.6 11	101 -2.0 26	89 -3.2 12	72 4.8 26	94 14 11	85 13 10			
SR 250002 99465684 SR 250002	2	JRE 210064 JS 210001	84 56	114 51	92 39	88 21	102 22	98 33	103 21	97 31	110 12	85 2.41 57	98 0.53 38	112 38 21	114 22.5 51	92 3.6 39	100 75 37	113 41.0 36	111 171 36		116 21.5 41	94 3.5 29	104 -6.8 16	104 27.6 34	112 28 41	108 42 39	115 1.52 15	119 2.57 10	104 -0.30 8
SR 250004 99465692 SR 250004	2	JS 160002 JS 210037	94 72	118 56	83 47	99 24	105 33	104 40			112 17	92 1.77 74	114 -0.17 50	101 26 24	118 24.1 56	83 1.1 47	101 76 42	116 43.8 45	109 163 35		107 17.1 39	95 2.5 42	106 -7.3 24	104 27.6 44	100 19 38	106 39 37	112 1.12 19	118 2.54 15	100 -0.63 14
SR 250005 99465700 SR 250005	1	JRE 210064 JS 220022	71 70	125 52	89 36	92 17	96 21	101 32	104 20	100 30	110 13	70 3.81 73	92 0.79 38	108 34 17	125 28.0 52	89 2.9 36	108 94 35	122 48.5 40	110 169 35		116 21.6 41	90 6.7 28	98 -5.4 14	103 26.9 34	110 27 40	107 41 38	114 1.37 15	117 2.36 11	103 -0.40 10
SR 250008 99465734 SR 250008		JS 210030	97 65	102 35	86 27	89 14	107 22	89 26				98 1.30 68	97 0.58 33	111 37 14	102 16.2 35	86 1.8 27	87 45 25	103 32.9 26	90 60 17		98 12.8 19	97 0.9 28	108 -7.8 15	72 5.1 26	92 13 19	86 14 18	93 -1.15 5		
SR 250010 99465759 SR 250010		JS 170012	112 67	82 37	91 36	110 18	95 22	84 28				112 -0.01 69	91 0.83 38	90 15 18	82 6.6 37	91 3.4 36	83 36 30	86 17.9 26	78 -1 13		88 8.2 15	102 -2.9 27	94 -4.4 17	71 4.6 27	84 7 15	76 2 15			
SR 250012 99465775 SR 250012	2	JRE 210064 JS 210039	104 70	105 52	98 39	96 21	96 24	103 34	105 20	102 31	112 13	103 0.81 73	104 0.27 40	104 30 21	105 18.0 52	98 5.6 39	101 77 37	107 35.7 36	113 182 36		119 22.7 41	95 2.8 33	98 -5.2 16	101 25.9 34	115 30 41	110 45 39	117 1.75 15	119 2.59 11	105 -0.24 10
SR 250015 99465817 SR 250015		JS 210019	110 37	91 35	94 28	99 11	113 18	94 23				110 0.19 38	95 0.66 31	101 27 11	91 11.0 35	94 4.3 28	88 48 25	95 25.4 24	89 54 16		104 15.5 19	125 -21.6 26	107 -7.5 9	74 6.7 23	100 19 19	90 20 18			
SR 250016 99465825 SR 250016		JS 210019	110 37	91 35	94 28	99 11	113 18	94 23				110 0.19 38	95 0.66 31	101 27 11	91 11.0 35	94 4.3 28	88 48 25	95 25.4 24	89 54 16		104 15.5 19	125 -21.6 26	107 -7.5 9	74 6.7 23	100 19 19	90 20 18			

Breeding Values and Accuracies: Cows

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

Inbreeding in red is high										Value <80		Value >120		Breeding values with an accuracy < 5% are not printed															
Animal			Selection Values								Birth		Wean				Growth			Fertility				Frame		Carcass			
Index EBV Acc	% Inbreeding	Sire ID Dam ID	Calv. Ease V	Calf Growth V	Milk V	Maint. V	Fertility V	Cow Value	Growth Value	Prod. Value	Carcass Value	Birth wt dir	Birth mat	Mature wt	Wean wt	Wean mat	Cow-Calf Ratio (Wean)	Postwean wt	ADG	FCR	Scrotal Circ.	Heifer Fertility	Cow Fertility	Longevity	Height	Length	EMA	Fat	Marbling
ID																													
Number Name																													
SR 250018		JRE 210064	84	114	99	101	92	104	100	101	108	85	94	99	114	99	111	113	109		116	98	92	100	115	108	114	118	106
99465809	3	JS 150014	72	55	47	25	26	37	21	34	18	2.43	0.71	24	22.4	5.9	99	41.2	162		21.6	0.4	-3.8	25.0	30	42	1.37	2.45	-0.14
SR 250018												74	47	25	55	47	42	40	37		43	34	18	38	42	40	20	16	15

Selection List on Cow Value

Bulls 2 years and older

ID Sorted on ID	Name	Sire ID	Dam ID	% Inbreeding	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	JRE 230033	POLLED MIGHTY	JRE 180078	JRE 190051	2.5	98 73	123 72	114 49	86 26	110 30	128 44	123 23	127 40
					★★★★★								
1	JS 220016	JS 220016	JS 160002	JS 140015	2.8	104 74	104 72	92 55	100 28	99 35	100 47	102 23	99 42
2	JS 240021	JS 240021	MS 210038	JS 210030	1.6	86 72	111 52	97 37	94 14	104 26	101 33		
3	JS 240052	VIGOREX FORTIS 13TH	JRE 210064	JS 170053	1.8	84 58	110 52	98 39	97 19	102 22	100 32		
					★★★★☆								
1	JS 240002	JS 240002	JS 160002	JS 170027	1.4	101 60	100 58	95 51	89 24	102 32	94 41		
2	JS 240014	JS 240014	MS 210038	JS 210001	1.3	78 69	109 67	94 40	96 17	105 24	94 37		
3	JS 240028	VIGOREX FORTIS 5TH	JRE 210064	JS 150009	2.6	84 72	115 67	92 46	87 22	91 26	95 40	103 22	95 36
					★★★								
1	JS 240053	JS 240053		JS 180055	0.0	113 38	85 29	89 33	109 20	108 20	88 25		

Selection List on Cow Value

Cows 2 years and older

ID Sorted on ID	Name	Sire ID	Dam ID	% Inbreeding	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 JS 210015	JS 210015	JS 180006	JS 180026	4.7	80 75	124 68	117 57	85 27	112 38	123 47			
					★★★★☆								
1 JS 180026	JS 180026	CN 150015	TL 070001	1.3	80 79	125 77	106 75	70 29	113 46	112 56			
2 JS 210022	VIGOREX VERITY 5TH	JS 180006	JS 150005	8.7	96 74	108 70	117 58	92 31	104 32	115 46	103 21	111 41	
3 JS 240015	JS 240015	MS 210038	JS 210015	1.5	82 69	119 67	111 38	94 14	103 24	116 36			
4 JS 240017	JS 240017	MS 210038	JS 210022	1.2	88 68	114 67	111 38	96 16	99 22	114 36			
					★★★★								
1 JS 150014	JS 150014	JRE 120058	JS 120053	0.6	96 84	100 79	106 81	110 50	97 50	104 63	81 24	97 55	
2 JS 210019	JS 210019	JS 180006	JS 170053	1.5	97 76	104 70	99 56	98 23	127 34	107 45			
3 JS 210037	JS 210037	CC 180004	JS 190001	1.3	76 77	133 71	83 60	106 30	88 42	109 51	109 21	108 45	
4 JS 210039	JS 210039	JS 160002	JS 150014	2.5	111 75	98 73	95 63	99 36	106 44	101 53	90 21	97 47	
5 JS 220032	JS 220032	JS 160002	JS 150039	0.8	101 75	108 72	93 54	96 26	111 38	105 48	96 23	102 43	
6 JS 230009	JS 230009	JS 160002	JS 140017	2.7	120 74	94 70	97 55	102 28	99 36	101 47	96 20	98 42	
7 JS 230017	JS 230017	JS 160002	JS 150014	2.5	107 75	96 72	97 56	105 31	109 38	101 49	85 21	95 43	
8 JS 240004	JS 240004	MS 210038	JS 210023	1.6	93 70	103 67	105 39	101 16	94 24	101 37			
9 JS 240006	JS 240006	MS 210038	JS 210037	1.4	81 70	119 67	95 39	110 15	90 26	107 37			
10 JS 240019	JS 240019	MS 210038	JS 210032	1.2	105 72	97 52	102 37	106 13	100 26	102 33			
11 JS 240037	JS 240037	JS 160002	JS 180026	13.6	90 73	120 70	93 51	80 13	118 24	108 39			
12 JS 240042	JS 240042	JS 160002	JS 150014	2.5	104 75	101 60	95 56	101 31	109 38	101 46	88 21	97 41	
13 JS 240048	JS 240048	JRE 210064	JS 210019	2.0	84 71	117 51	95 36	95 16	107 20	105 31	112 20	105 29	
					★★★★☆								
1 JS 170040	JS170040	JS 140042	JS 130006	7.3	104 80	83 74	110 71	104 33	112 35	94 51			
2 JS 170053	JS170053	JS 140042	JS 130045	4.7	98 78	91 73	104 64	102 29	117 38	97 50			
3 JS 180055	JS 180055	JS 150036	JS 160010	14.2	102 75	93 59	89 65	118 40	115 39	95 49			
4 JS 210001	JS 210001	JS 160002	JS 150009	3.2	98 73	100 71	92 63	84 35	118 39	92 51	86 21	89 45	
5 JS 210004	JS 210004	JS 160002	JS 140017	2.7	105 73	101 71	93 62	92 34	91 41	94 51	97 20	93 45	

Selection List on Cow Value

Cows 2 years and older

ID Sorted on ID	Name	Sire ID	Dam ID	% Inbreeding	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	
					★★★★								
6	JS 210023 JS 210023	JS 180032	JS 150061	1.6	93 76	106 71	101 59	87 33	95 39	98 50			
7	JS 210030 JS 210030	JS 160002	JS 140048	1.4	87 77	115 70	89 55	78 27	115 43	98 49			
8	JS 210032 JS 210032	JS 160002	JS 150039	0.8	106 77	99 71	90 54	101 26	107 44	97 50	92 23	94 45	
9	JS 220022 JS 220022	JS 160002	JS 140053	1.4	91 76	104 72	97 55	92 25	105 36	96 47	89 20	93 42	
10	JS 230019 JS 230019	JS 160002	JS 170003	2.4	111 73	98 70	80 54	100 26	104 37	90 47	87 20	88 42	
11	JS 230023 JS 230023	JS 160002	JS 170040	1.1	112 73	90 71	99 52	100 29	117 32	99 45			
12	JS 240038 JS 240038	JRE 210064	JS 170012	1.2	88 72	106 53	93 43	107 22	89 24	95 35			
13	JS 240041 JS 240041	JRE 210064	JS 200014	2.6	90 70	109 46	85 37	106 15	77 17	90 28	106 20	92 26	
14	JS 240043 JS 240043	JRE 210064	JS 170040	0.9	82 72	109 53	99 42	98 21	99 21	98 34	98 20	96 31	
15	JS 240047 JS 240047	JRE 210064	JS 150035	2.6	80 73	112 54	89 43	108 23	94 26	95 36	97 21	94 33	
					★★								
1	JS 150009 JS 150009	JRE 120058	JS 120007	0.6	92 81	104 79	92 79	81 45	95 50	88 62	84 26	85 55	
2	JS 150035 JS 150035	JRE 120058	JS 120022	0.6	96 82	90 77	89 74	123 46	102 49	87 60	75 24	82 53	
3	JS 170012 JS 170012	JS 130025	JS 140082	0.9	98 80	89 73	92 73	121 37	91 43	86 55			
4	JS 170027 JS 170027	JS 140042	JS 130036	7.9	89 77	98 74	106 68	86 28	82 37	88 50			
5	JS 210007 JS 210007	JS 160002	JS 160010	1.0	111 76	90 71	86 62	100 37	114 43	89 53	82 20	85 46	

Selection List on Cow Value

Bull Calves younger than 2 years

ID Sorted on ID	Name	Sire ID	Dam ID	% Inbreeding	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	SR 250006	SR 250006	JRE 210064	JS 210015	1.8	70 70	136 50	99 37	89 18	99 22	117 32	120 20	117 30
					★★★★								
1	SR 250007	SR 250007	JRE 210064	JS 210023	1.9	86 70	115 52	98 38	90 20	91 22	101 33	110 20	102 30
					★★★☆☆								
1	SR 250009	SR 250009	JS 160002	JS 150035	2.5	103 74	96 59	86 54	108 30	112 38	93 45	85 21	89 40
2	SR 250011	SR 250011	JS 160002	JS 150009	3.2	106 74	100 60	89 56	87 29	108 38	94 45	89 21	91 40
					★★★								
1	SR 250013	SR 250013		JS 210032	0.0	118 65	87 35	91 27	100 13	103 22	89 25		
2	SR 250014	SR 250014		JS 170040	0.0	127 67	71 37	104 35	102 16	105 17	88 26		

Selection List on Cow Value

Heifers younger than 2 years

ID Sorted on ID	Name	Sire ID	Dam ID	% Inbreeding	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	SR 250004	SR 250004	JS 160002	JS 210037	1.8	94 72	118 56	83 47	99 24	105 33	104 40		
2	SR 250005	SR 250005	JRE 210064	JS 220022	1.4	71 70	125 52	89 36	92 17	96 21	101 32	104 20	100 30
3	SR 250012	SR 250012	JRE 210064	JS 210039	2.1	104 70	105 52	98 39	96 21	96 24	103 34	105 20	102 31
4	SR 250018	SR 250018	JRE 210064	JS 150014	2.5	84 72	114 55	99 47	101 25	92 26	104 37	100 21	101 34
					★★★★☆								
1	SR 250002	SR 250002	JRE 210064	JS 210001	2.2	84 56	114 51	92 39	88 21	102 22	98 33	103 21	97 31
2	SR 250015	SR 250015		JS 210019	0.0	110 37	91 35	94 28	99 11	113 18	94 23		
3	SR 250016	SR 250016		JS 210019	0.0	110 37	91 35	94 28	99 11	113 18	94 23		
					★★								
1	SR 250001	SR 250001		JS 170027	0.0	106 38	88 37	97 34	93 14	90 19	85 25		
2	SR 250008	SR 250008		JS 210030	0.0	97 65	102 35	86 27	89 14	107 22	89 26		
3	SR 250010	SR 250010		JS 170012	0.0	112 67	82 37	91 36	110 18	95 22	84 28		

	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 18mth 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

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.

