

BEEFMASTER

GENOMIC BREEDING VALUE REPORT

September 2026



SPOLIDORO BEEFMASTER

Herd Number: 679330

E-mail: gbarrable@mweb.co.za



BEEFMASTER
CATTLE BREEDERS' SOCIETY OF SA
BEESTELERSGENOOTSAP VAN SA



EBVs, EBVi's and GEBVs

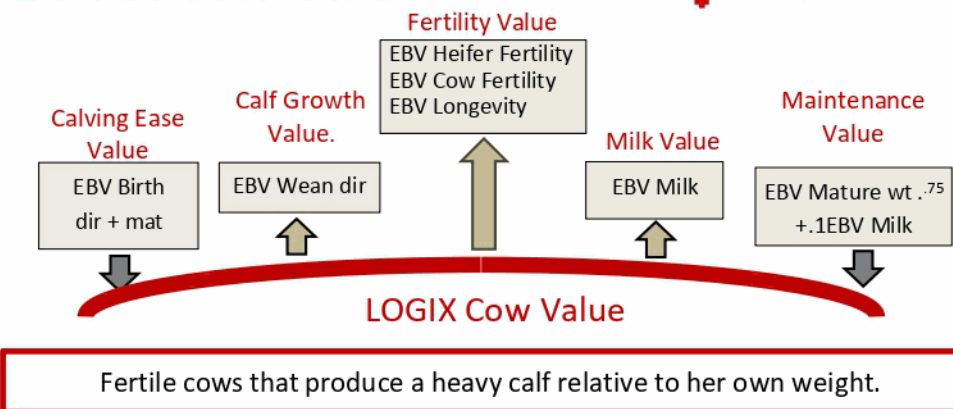
EBVi (Breeding Value Index): Genetic potential relative to the average (100) of the live (active) animals in the breed. Roughly 50% of the animals have values between 90 and 110. Values above 100, depending on the trait, tend to be in the more favourable direction.

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 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

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)

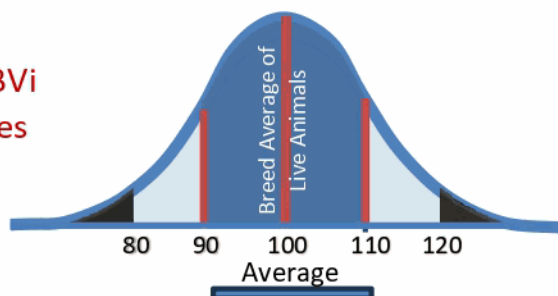
- WeanerCalf / Growth Value > 120
 - Cow Value and Fertility Value average to high
- Growers are usually heavier at birth (lower Calving Ease Value), and maturity (lower Maintenance Value).

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

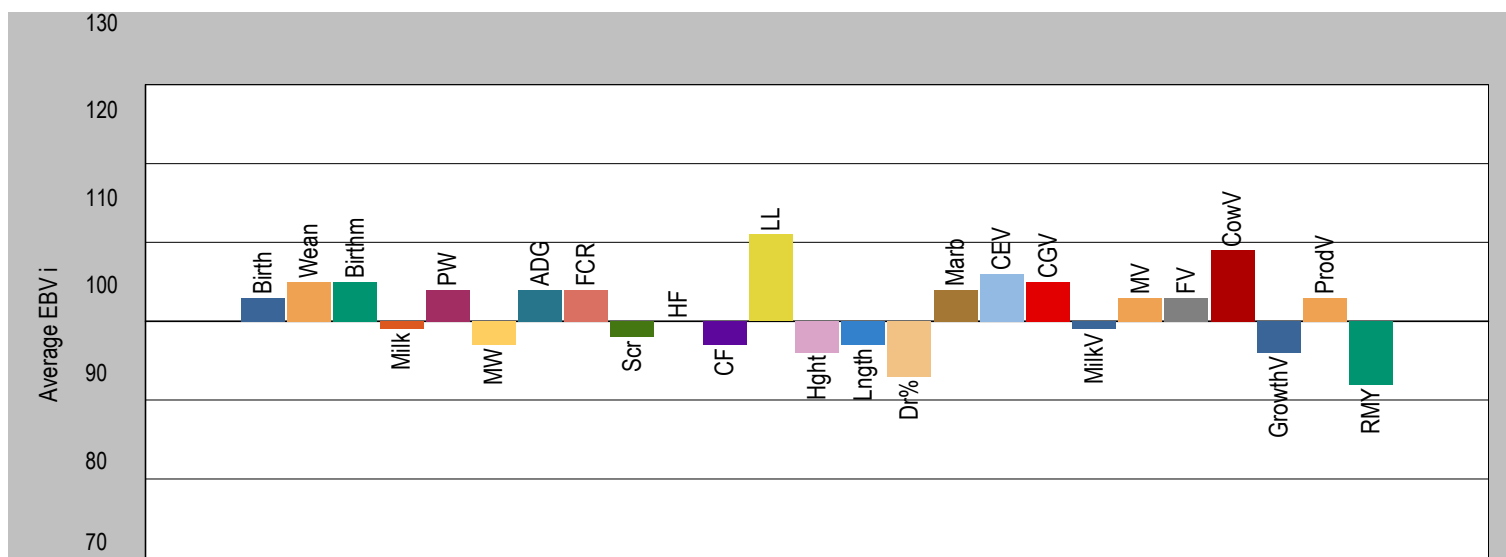
Larger groups result in more accurate and stable breeding values, as the mean and distribution of the group can be more accurately determined and are thus more representative. Groups should preferably have more than 5 animals. Weigh all the animals in the same group on the same day, as corrections for 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	EMA:	Eye Muscle Area
FCR:	Feed Conversion Ratio	RMY:	Carcass Value
		Marb:	Marbling

Selection Values:

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

	Trait	EBV Herd	EBV Index	EBV Breed
Prewean Growth	Birth Weight	0.05	103	0.34
	Wean Weight	15.0	105	12.1
	Birth Mat.	-0.27	105	-0.05
	Milk (Wn.Mat.)	-1.6	99	-1.4
Postwean Growth	Postwean Wt	21.9	104	19.0
	Mature Weight	3	97	7
	ADG	85	104	72
	FCR	-43	104	-39
Fertility	Scrotal Circumf.	10.1	98	11.1
	Heifer Fertility	-7.6	100	-7.5
	Cow Fertility	-3.4	97	-4.1
	Longevity	21.7	111	14.8
Frame	Height	-1	96	1
	Length	10	97	13
Carcass	EMA	0.33	95	0.85
	Fat	0.41	105	0.11
	Marbling	0.52	104	0.30

Selection Value	Ave. Herd
Calving Ease	106
Calf Growth	105
Milk	99
Maintenance	103
Fertility	103
Cow Value	109
Growth Value	96
Production Value	103
Carcass Value	92

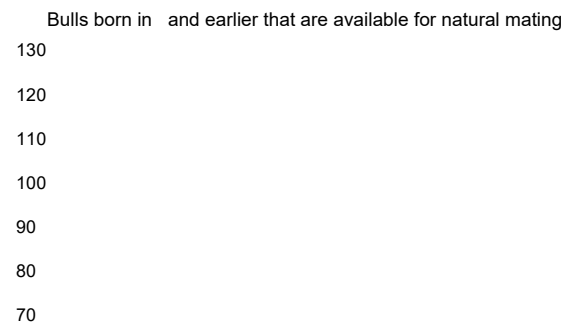
- Average of live animals in the breed: 100
- Above 100: **more favourable**,
- Below 100: **less favourable**

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

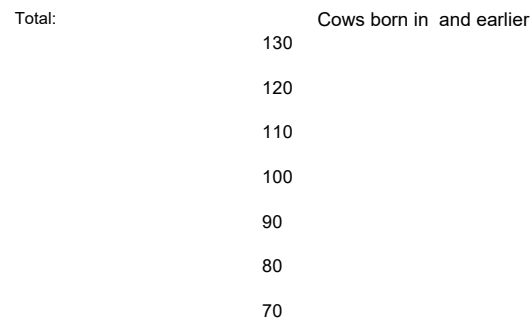
Calving ease:	Smaller calf at birth - easier calving
Calf growth:	Heavier calves at wean due to growth potential of the calf
Milk:	Cows with more milk and better mothering ability
Maintenance:	Animals with low maintenance requirements (lower mature weight).
Fertility:	Cows/daughters that calve

Genetic Windows

Bulls on the farm



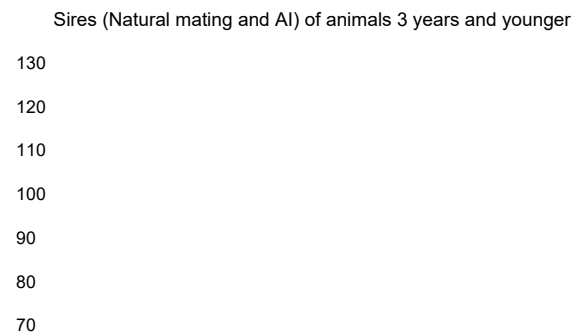
Animals available for breeding



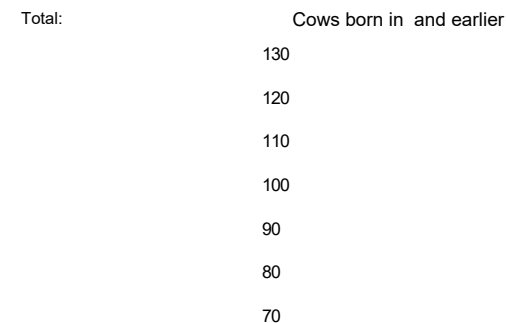
Cow Herd

Total:

Sires of young animals



Results of previous selection decisions

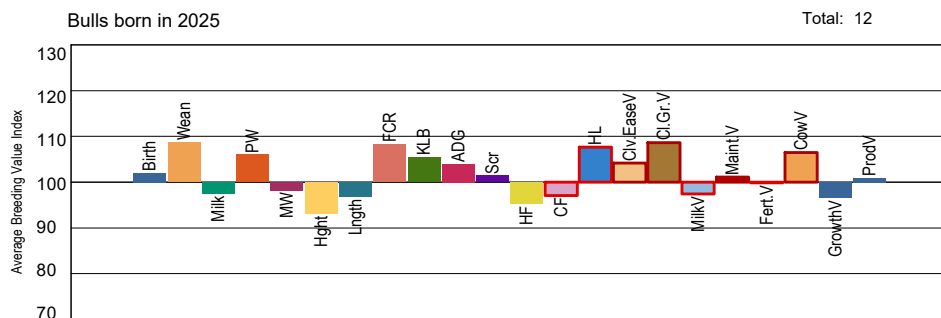


Cows older than 6 years

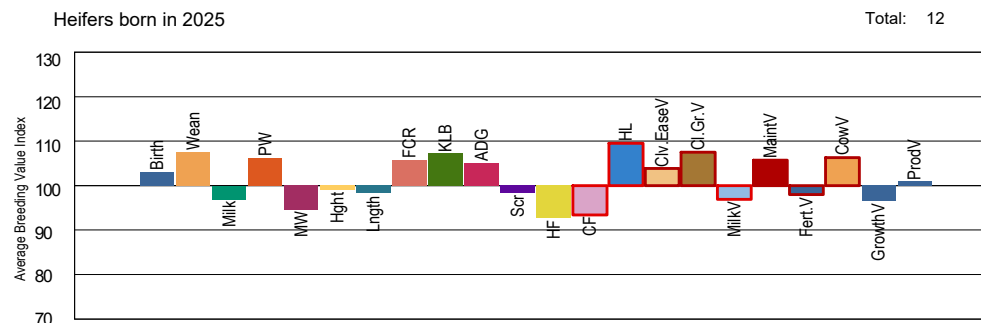
Total:

Selection possibilities

Bull calves



Heifer calves

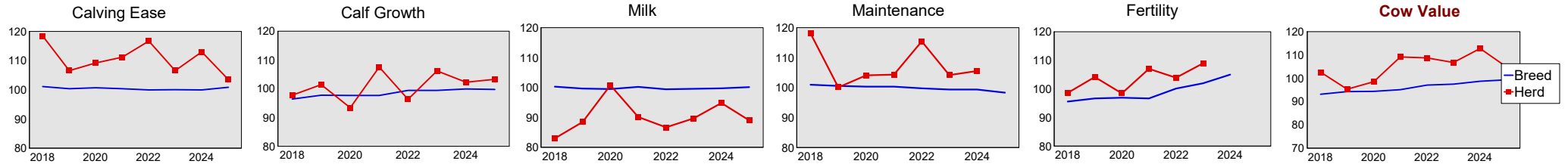


Summary of Cow Herd

			Selection Values (SV)								Calf Weight		Dam		Growth & Efficiency				Fertiity				Frame		
Birth Year	No. Cows	Average Cow Value	Calving Ease	Calf Grwth	Milk	Maint.	Fertility	Cow Value	Growth Value	Prod Value	Birth Weight	Wean Weight	Birth Mat.	Milk (Wn.Mat)	Postwn Weight	Mature Weight	ADG	Kleiber	Scrotal Circumf.	Heifer Fertility	Cow Fertility	Longevity	Height	Length	
Cows in Breed Average:			100	99	100	101	100	100	99	100	100	99	99	100	99	99	99	99	99	99	100	100	100	99	99
2010	1	★★★★☆	97	102	102	102	102	102	96	97	101	102	87	102	103	97	101	104	106	99	102	105	111	95	
2013	1	★★★★☆	114	104	122	74	125	125	84	115	108	104	115	122	99	130	92	93	87	123	126	111	82	85	
2019	3	★★★★★	97	109	104	97	111	114	97	107	94	109	113	104	106	101	104	107	104	103	104	118	97	96	
2020	9	★★★★☆	105	96	110	109	98	107	89	100	103	96	105	110	96	91	95	97	89	98	88	111	93	93	
2021	5	★★★★☆	102	115	99	87	105	108	105	104	99	115	105	99	114	115	113	110	102	98	107	108	114	115	
2022	5	★★★★☆	109	95	98	115	100	107	90	100	108	95	102	98	97	86	98	106	84	100	88	114	98	89	
2023	7	★★★★☆	103	105	95	107	106	109	94	103	101	105	103	95	104	95	101	106	93	103	101	112	88	92	
2024	11	★★★★★	113	103	96	107	110	116	98	110	108	103	112	96	102	94	106	111	100	110	101	114	94	95	
2025	12	★★★★☆	104	108	97	106	98	106	97	101	103	108	100	97	106	95	105	107	98	93	93	110	99	98	
Cows in Herd Average:			105	104	103	100	106	110	94	104	103	104	105	103	103	100	102	105	96	103	101	111	97	95	

Genetic Trends for On-Farm Traits

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



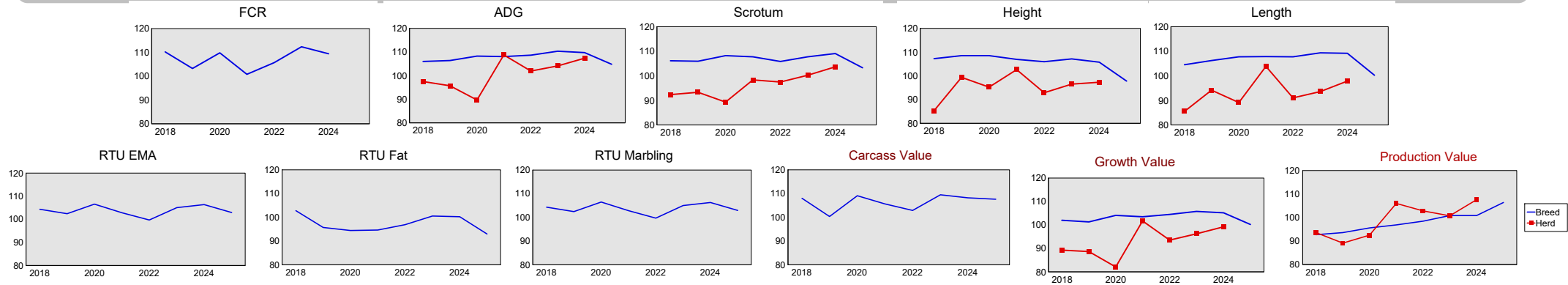
Herd

Birth Year	Calving Ease				Calf Growth			Milk			Maintenance					Fertility								Cow Value
	Birth Weight		Mat EBV	Calv. Ease	Weaning Weight		Calf Growth	Milk (Wn.Mat.)		Milk	Postwean Weight		Mature Weight		Maintenance	Heifer Fert.		Cow Fert.		Longevity		Ferti- lity		
	Number	Dir EBV			Number	EBV		Number	EBV		Number	EBV	Number	EBV		Number	EBV	Number	EBV	Number	EBV		Number	
2018	44	-0.87	-0.50	118	42	10.8	98	42	-6.18	83	41	17.1	10	-17	118	13	-3.6	9	-3.8	42	14.4	99	103	
2019	37	0.10	-0.57	107	30	12.9	101	30	-4.63	89	32	18.5	9	9	100	13	-12.0	8	-3.9	38	14.9	104	95	
2020	34	-0.18	-0.32	109	34	8.4	93	34	-1.18	101	34	12.7	16	-1	104	15	-7.7	11	-2.4	34	18.1	98	99	
2021	44	-0.28	-0.39	111	29	16.5	108	29	-4.19	90	25	24.5	8	3	104	9	-10.3	7	-5.3	43	16.6	107	109	
2022	38	-0.74	-0.47	117	33	10.0	96	33	-5.14	87	33	16.2	6	-16	115	9	-12.8	5	-2.8	27	15.3	104	109	
2023	28	-0.04	-0.20	107	23	15.7	106	23	-4.31	90	26	22.4			104	7	-11.8					109	107	
2024	31	-0.34	-0.46	113	26	13.4	102	26	-2.87	95	26	20.3			106								113	
2025	33	0.17	-0.17	103	6	14.0	103	6	-4.44	89													105	

Breed

Birth Year	Calving Ease				Calf Growth			Milk			Maintenance					Fertility							Cow Value
	Birth Weight		Calv. Ease		Weaning Weight		Calf Growth	Milk (Wn.Mat.)		Milk	Postwean Weight		Mature Weight		Maintenance	Heifer Fert.		Cow Fert.		Longevity		Ferti- lity	
	Number	Dir EBV			Mat EBV	Number		EBV	Number		EBV	Number	EBV	Number		EBV	Number	EBV	Number	EBV	Number		
2016	13219	0.14	0.07	102	12679	9.1	95	12679	-1.48	100	8440	15.3	1794	3	102	3547	-3.4	2382	-3.3	17317	7.0	92	91
2017	13995	0.13	0.10	101	13543	9.5	95	13543	-1.37	100	9155	16.1	1876	5	102	3705	-3.9	2610	-3.3	17744	7.7	93	92
2018	14638	0.19	0.05	101	14085	10.0	96	14085	-1.34	100	9471	16.9	2043	6	101	3752	-4.9	2671	-3.5	18478	8.4	96	93
2019	14156	0.27	0.02	100	13892	10.8	98	13892	-1.52	100	9219	18.0	2528	6	101	4491	-5.8	3152	-3.8	18218	9.0	97	94
2020	15148	0.25	0.00	101	15376	10.8	98	15376	-1.55	99	10390	17.9	2588	6	100	4524	-5.8	3018	-3.8	19306	9.7	97	94
2021	16009	0.27	0.04	100	16004	10.8	98	16004	-1.35	100	10852	18.0	2635	6	100	4750	-5.2	2794	-3.8	18490	8.9	97	95
2022	17601	0.32	-0.01	100	16942	11.8	99	16942	-1.58	99	11576	19.5	2295	8	100	4355	-6.7	1065	-4.2	8636	9.8	100	97
2023	18573	0.32	-0.02	100	18307	11.8	99	18307	-1.53	100	11750	19.7	741	11	99	2183	-7.2	100	-4.8			102	98
2024	18117	0.35	-0.05	100	16963	12.1	100	16963	-1.48	100	9904	20.0	3	6	99	166	-7.7					105	99
2025	17947	0.27	-0.03	101	15468	12.0	100	15468	-1.38	100	2468	22.0			98								99
2026	5644	0.19	0.00	102	192	13.1	102	192	-1.95	98													100

Genetic Trends for Growth Test Traits



Herd

Birth Year	Growth								Frame						Carcass						Selection Values				
	FCR			ADG			Scrotum			Height			Length			EMA			Fat		Marbling		Carcass Value	Growth Value	Prod Value
	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi	RTU Number	EBV	EBVi	EBV	EBVi	EBV	EBVi			
2018				22	63	97	22	6.7	92	22	-7	85	22	0	86									89	94
2019				32	57	96	13	7.2	93	31	1	99	31	8	94									89	89
2020				17	35	90	17	5.1	89	34	-1	95	34	3	89									82	92
2021				25	104	109	15	10.2	98	25	3	103	25	17	104									102	106
2022				33	79	102	17	9.7	97	33	-3	93	33	5	91									94	103
2023				25	87	104	9	11.2	100	25	-1	96	25	7	94									96	101
2024				26	99	107	12	13.1	104	26	0	97	26	11	98									99	108
2025																									

Breed

Birth Year	Growth									Frame						Carcass						Selection Values			
	FCR			ADG			Scrotum			Height			Length			RTU Number	EMA		Fat		Marbling		Cracss Value	Growth Value	Prod Value
	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi		EBV	EBVi	EBV	EBVi					
2017	62	-38	100	1015	76	101	979	12.8	103	953	4	105	953	15	102	101	0.00	91	0.00	98	0.00	95	93	97	91
2018	16	-50	110	835	94	106	830	14.6	106	830	6	107	830	18	105	33	1.18	103	0.28	103	0.55	104	108	102	93
2019	13	-43	103	772	95	106	773	14.5	106	767	6	108	766	19	106	32	0.58	97	-0.14	96	0.44	102	100	101	94
2020	15	-50	110	1035	102	108	1026	15.8	108	960	6	108	960	21	108	60	1.56	107	-0.22	94	0.67	107	109	104	96
2021	20	-40	101	1162	102	108	1151	15.5	108	1048	5	107	1048	21	108	148	1.41	106	-0.20	95	0.46	103	106	104	97
2022	20	-45	106	1222	104	109	1266	14.4	106	1115	5	106	1115	21	108	147	1.11	103	-0.08	97	0.28	100	103	104	99
2023	10	-52	112	1270	110	110	1263	15.5	108	1127	5	107	1127	22	109	250	1.52	107	0.14	101	0.58	105	109	106	101
2024	11	-49	109	918	108	110	945	16.3	109	790	5	106	790	22	109	127	1.57	107	0.12	100	0.66	106	108	105	101
2025				54	90	105	58	13.0	103	58	0	98	58	14	100	25	1.70	109	-0.30	93	0.47	103	108	100	106
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
4248	1526 6327	FOUNDATION LASATER 4248	80	116	84	87	96	82	98	79	79	116	108	84	118	113	109	107	106	105	101	88	125	106	114	155	130	742	691
			99	99	98	97	96	90	80	88	2.07	21.1	-0.38	-5.9	32.6	22	107	-47	14.8	-11.6	-4.2	7.7	16	19	2.21	3.28	1.98	72	175 830
8208R	6129LH 2067LH	LASATER 8208	105	82	103	119	81	83	64	73	108	82	90	103	78	83	67		85	82	78	96	76	81	99	96	104	28	27
			76	81	57	40	45	56	28	50	-0.29	1.6	0.35	-0.5	1.7	-12	-46		2.7	6.8	0.4	12.6	-13	-5	0.78	-0.15	0.52	3	4 12
SPB 110020	L3705 SPB 010325	110020	110	94	112	98	104	107	82	98	104	94	114	112	92	100	83	78	69	109	97	106	71	74	77	95	88	31	30
			84	86	74	60	62	68	42	63	0.00	8.8	-0.62	1.8	12.6	7	9	-15	-6.5	-14.3	-3.6	18.7	-15	-11	-1.44	-0.18	-0.40	5	8 24
SPB 130281	BA 090074 SPB 080100	SPB130281	132	85	53	140	98	96	90	90	133	85	140	53	89	58	104	117	76	101	99	98	61	63	89	99	95	54	50
			91	92	84	71	69	75	51	70	-2.37	3.5	-1.63	-14.5	10.8	-41	88	-58	-2.4	-8.0	-3.8	13.7	-21	-22	-0.26	0.02	0.00	24	14 43
SPB 170103	SPB 140127 SPB 080176	SPB170103	102	85	126	118	84	100	86	93	105	85	89	126	88	83	96	106	88	75	67	119	93	85	83			17	17
			81	83	74	64	55	66	46	62	-0.11	3.6	0.39	5.9	9.5	-12	59	-45	4.5	11.9	2.6	26.3	-3	-1	-0.82			9	9 20
SPB 170113	SPB 140115 SPB 130095	SPB170113	117	100	70	82	107	84	80	76	113	100	131	70	92	122	92	96	82	125	101	94	87	88	94	111	105	23	23
			83	86	75	65	58	68	50	64	-0.74	12.2	-1.30	-9.7	13.1	32	45	-35	0.7	-27.0	-4.4	11.0	-6	2	0.22	0.73	0.57	14	8 18
SPB 170115	SPB 140115 SPB 150102	SPB170115	81	111	82	101	103	91	101	87	81	111	131	82	107	98	106	103	110	101	96	111	105	103	100	103	99	18	18
			83	84	77	66	60	68	50	64	1.93	18.5	-1.28	-6.5	24.5	5	94	-42	17.0	-8.3	-3.3	21.9	4	17	0.82	0.27	0.25	16	12 26
SPB 180031	SPB 130281 SPB 140082	SPB180031	131	99	54	132	109	112	105	108	138	99	113	54	98	69	115	122	112	126	99	101	78	87	106	102	101	151	125
			95	96	91	87	88	84	89	85	-2.83	11.7	-0.56	-14.2	17.7	-28	128	-63	18.2	-27.9	-3.8	15.4	-11	1	1.43	0.21	0.35	32	11 19
SPB 180037	SPB 160028 SPB 140143	SPB180037	81	132	102	75	93	98	120	98	80	132	110	102	132	130	124		99	70	105	106	131	135				21	17
			78	81	59	44	46	58	44	55	2.01	30.5	-0.47	-0.8	43.9	41	161		10.6	15.8	-5.1	18.2	20	47				13	2 3
SPB 200017	SPB 170103 SPB 150044	SPB200017	110	85	109	114	98	103	78	94	107	85	106	109	86	88	88	97	61	99	82	116	91	78	78	93	77	8	8
			72	75	56	46	46	55	44	53	-0.21	3.5	-0.29	1.2	8.4	-7	30	-35	-11.2	-6.6	-0.5	24.7	-4	-7	-1.35	-0.31	-1.03	7	1 1
SPB 200020	SPB 170103 SPB 170133	SPB200020	89	97	116	115	93	103	101	99	90	97	99	116	100	86	111	118	100	89	80	115	110	93	93	94	88	8	6
			73	74	58	47	45	55	43	53	1.16	10.3	-0.02	3.2	19.2	-9	113	-59	10.9	1.3	-0.1	24.0	7	7	0.21	-0.27	-0.39	4	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.
	Name																												
SPB 210012		SPB 180031 SPB 140143	129	105	81	113	104	116	96	109	122	105	110	81	102	90	105	110	86	100	95	114	73	89	101	105	100	5	5
SPB210012			72	74	57	42	42	54	42	52	-1.52	15.3	-0.46	-6.9	20.4	-4	89	-50	3.2	-7.3	-3.0	23.7	-14	2	1.00	0.40	0.29	4	
											76	74	59	57	60	42	73	5	78	47	24	54	82	79	6	5	5		
SPB 210023		SPB 180037 SPB 190026	81	125	101	89	113	114	112	111	81	125	106	101	125	110	121	120	95	103	116	112	98	106	112	107	119	8	8
SPB210023			85	86	81	79	80	75	84	77	1.94	26.3	-0.31	-1.1	38.6	19	148	-60	8.1	-9.8	-7.3	22.2	0	19	2.05	0.53	1.38	6	
											86	86	82	81	82	79	86	78	87	81	78	82	89	88	78	78	78		
SPB 220011		SPB 180031 SPB 130095	134	106	83	92	121	121	96	114	126	106	112	83	101	107	105	108	115	121	115	114	83	93	101	109	102	7	7
SPB220011			73	76	59	47	43	56	45	54	-1.80	15.5	-0.54	-6.1	19.5	15	89	-48	19.4	-24.2	-7.0	23.2	-8	7	0.94	0.62	0.41	7	
											77	76	60	59	60	47	77	7	79	48	27	55	85	83	8	7	7		
SPB 220012		SPB 180031 SPB 200013	133	100	83	121	109	123	98	117	127	100	107	83	99	82	107	112	100	112	97	114	104	102	102	102	93	3	3
SPB220012			67	71	53	47	41	52	42	50	-1.90	12.3	-0.33	-6.2	18.4	-13	98	-53	11.0	-16.8	-3.5	23.5	4	15	1.08	0.20	-0.09	3	
											71	71	54	53	54	47	73	5	76	45	26	53	81	79	6	6	5		
SPB 220015		SPB 200020 SPB 150044	93	99	109	103	105	105	99	100	89	99	116	109	102	95	107	107	75	109	93	113	104	97	94	94	87	9	7
SPB220015			70	73	49	38	39	51	44	50	1.27	11.4	-0.68	1.1	20.5	1	97	-47	-3.1	-14.4	-2.6	22.9	4	10	0.24	-0.22	-0.44	7	
											75	73	51	49	52	38	74	6	76	40	22	54	84	81	6	5	5		
SPB 220016		SPB 180031 SPB 200018	120	111	87	109	100	115	121	114	113	111	115	87	112	93	133	132	135	106	83	113	110	117	122	102	101	10	8
SPB220016			72	75	53	44	41	53	44	51	-0.74	18.6	-0.63	-5.0	28.6	-1	191	-74	31.0	-12.3	-0.6	23.0	7	30	2.99	0.23	0.38	8	
											77	75	56	53	56	44	78	6	81	45	26	52	85	83	6	6	6		
SPB 230002		4248 SPB 200003	75	115	106	89	88	86	98	82	77	115	99	106	116	110	108	105	85	97	77	99	111	107	106	128	113	12	4
SPB230002			87	86	84	83	82	77	83	78	2.21	20.6	-0.01	0.3	31.8	18	100	-45	2.4	-5.3	0.5	14.3	8	20	1.48	1.73	1.03		
											88	86	84	84	84	83	85	79	86	83	81	83	87	86	79	79	79		
SPB 230007		SPB 210018 SPB 190026	108	117	82	99	105	109	106	105	111	117	86	82	114	99	116	122	122	101	102	108	107	101	112	113	116	9	
SPB230007			86	84	82	80	81	76	83	77	-0.61	22.0	0.50	-6.5	30.3	6	131	-63	23.6	-8.0	-4.6	19.8	6	14	2.06	0.87	1.19		
											87	84	82	82	82	80	85	79	86	81	79	82	87	86	79	79	79		
SPB 230013		SPB 210012 SPB 200024	112	111	93	121	89	114	96	107	107	111	111	93	106	81	106	106	107	71	91	109	75	94	105	118	111	11	1
SPB230013			84	82	79	78	78	74	80	75	-0.26	18.7	-0.48	-3.3	23.8	-15	92	-46	15.0	14.9	-2.3	20.4	-13	8	1.30	1.18	0.94		
											86	82	79	79	79	78	82	75	84	78	76	79	85	84	75	75	75		

Growth Tests

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

Animal				Weight		Frame				Growth				Carcass			
Test Code Sex	Test no	Sire ID	Cow	Wean	End-	Length	Height	Length/	Scrotum	Intake	ADG	FCR	Growth	EMA	Fat	Marbling	Carcass
Test station	ID	Dam ID	Value	dir	weight			Height					Value				Value
202001 D11 F																	
SPOLIDORO BEEFMASTER	0679330BMA																
	SPB 190005	SPB 170115	119	111	103	99	105	91	103	105	105	106	97	97	106	99	98
	89053763	SPB 130095	62	73	20	12	5	1.11	13.1	0.04	90	-46	44	0.60	0.47	0.23	8
	SPB 190026	SPB 170115	116	112	103	97	92	106	108	101	106	105	98	104	110	110	103
	89257489	SPB 140076	61	73	20	11	-3	1.14	15.5	0.10	94	-45	45	1.20	0.67	0.89	12
	SPB 190029	SPB 170115	106	105	96	92	93	95	102	110	100	103	96	91	91	81	92
	89258073	SPB 070034	49	57	13	6	-2	1.12	12.1	-0.07	71	-43	40	-0.07	-0.44	-0.77	6
202102 D11 F																	
SPOLIDORO BEEFMASTER	0679330BMA																
	SPB 200003	SPB 170103	102	96	89	88	82	104	71	113	89	84	88	89	94	86	92
	90663923	SPB 160009	58	70	6	2	-9	1.14	-5.4	-0.12	34	-22	43	-0.18	-0.25	-0.47	10
	SPB 200008	SPB 170113	92	90	85	82	86	88	90	117	88	84	87	82	94	90	82
	90663972	SPB 160072	61	71	3	-3	-7	1.10	5.2	-0.19	27	-22	42	-0.90	-0.23	-0.26	10
	SPB 200010	SPB 170115	101	104	91	87	83	101	93	109	94	88	93	89	103	96	89
	90663998	SPB 130095	59	70	9	1	-8	1.13	7.3	-0.04	51	-26	43	-0.20	0.30	0.05	8
	SPB 200013	SPB 170103	121	94	100	111	124	88	84	115	92	93	84	91	99	80	91
	90664012	SPB 150035	60	71	17	24	15	1.10	2.2	-0.16	45	-32	42	-0.02	0.05	-0.81	5
	SPB 200018	SPB 170103	108	97	103	101	91	114	102	101	104	100	98	102	99	89	102
	90664053	SPB 160048	58	70	20	14	-4	1.16	12.0	0.12	88	-39	42	1.01	0.06	-0.30	6
	SPB 200023	SPB 170103	106	98	99	99	106	90	94	109	100	104	89	93	99	89	92
	90712332	SPB 140076	61	71	16	13	5	1.11	7.9	-0.05	74	-43	44	0.17	0.03	-0.30	10
	SPB 200024	SPB 170103	109	103	101	95	87	110	100	105	102	101	92	98	105	97	98
	90688532	SPB 160070	58	69	18	9	-6	1.16	11.2	0.04	81	-40	40	0.68	0.38	0.15	6
	SPB 200028	SPB 170115	106	94	91	93	95	95	93	117	92	95	84	84	88	77	84
	90735051	SPB 080162	59	69	8	7	-2	1.12	6.9	-0.19	43	-33	41	-0.74	-0.57	-0.99	6
	SPB 200031	SPB 170103	116	87	84	78	86	81	76	117	94	100	85	81	92	82	80
	90952318	SPB 160049	59	71	1	-7	-7	1.08	-2.5	-0.20	50	-39	42	-0.99	-0.38	-0.72	6
202202 D11 F																	
SPOLIDORO BEEFMASTER	0679330BMA																
	SPB 210008	SPB 180031	132	104	102	86	73	113	103	105	111	120	95	105	106	100	102
	92248459	SPB 130095	59	72	19	0	-14	1.16	12.9	0.03	110	-61	42	1.31	0.47	0.32	8

Growth Tests

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

Animal				Weight		Frame				Growth				Carcass				
Test Code	Sex	Test no	Sire ID	Cow	Wean	End-	Length	Height	Length/	Scrotum	Intake	ADG	FCR	Growth	EMA	Fat	Marbling	Carcass
Test station		ID	Dam ID	Value	dir	weight			Height					Value				Value
202202 D11 F			0679330BMA															
SPOLIDORO BEEFMASTER		SPB 210010	SPB 180037	93	104	95	92	91	98	80		99		95				
		92244953	SPB 170104	55	68	12 77	6 76	-4 79	1.12 78	-0.3 50	68 70		40					
		SPB 210021	SPB 180037	103	125	129	138	148	101	115	87	122	118	115	115	102	105	119
		92288802	SPB 140082	50	66	44 75	49 75	29 78	1.13 76	19.5 55	0.38 9	150 68	-58 9	42	2.32 10	0.22 9	0.60 9	10
		SPB 210024	SPB 180037	97	140	139	153	154	116	96	77	123	108	118	127	105	111	130
		92288836	SPB 140119	55	68	53 75	63 75	33 78	1.17 76	9.0 60	0.57 9	156 68	-48 9	42	3.53 11	0.41 10	0.90 10	10
		SPB 210026	SPB 180031	114	101	108	105	104	104	118	104	109	115	100	101	95	92	102
		92288851	SPB 110112	55	63	25 76	18 75	4 78	1.14 76	21.4 56	0.06 5	106 69	-55 5	40	0.91 6	-0.21 5	-0.14 5	6
202302 D11 F			0679330BMA															
SPOLIDORO BEEFMASTER		SPB 220006	SPB 130281	102	92	85	80	74	101	67	114	95	98	86	91	100	97	85
		93841815	SPB 140119	58	70	3 76	-6 76	-14 78	1.13 77	-8.0 62	-0.13 10	55 70	-37 10	43	-0.05 12	0.09 11	0.13 10	12
		SPB 220010	SPB 200017	113	96	93	90	98	85	79	108	102	106	91	92	98	91	89
		93939692	SPB 160070	48	64	11 72	3 71	0 75	1.09 73	-0.6 47	-0.02 6	81 63	-45 6	39	0.08 6	0.01 6	-0.19 6	6
		SPB 220022	SPB 200017	108	92	88	88	89	94	78	114	92	91	85	86	98	89	83
		93942100	SPB 140076	54	67	5 75	2 75	-5 77	1.11 76	-1.5 57	-0.13 9	43 67	-29 9	42	-0.49 11	0.01 10	-0.32 9	10
		SPB 220033	SPB 200020	104	93	80	77	93	69	87	124	86	92	79	81	102	88	78
		93998078	SPB 170095	48	64	-2 74	-9 73	-3 76	1.05 74	3.5 47	-0.32 7	23 65	-30 7	40	-1.02 8	0.20 7	-0.37 7	8
		SPB 220039	SPB 200020	106	104	109	112	135	77	111	95	114	112	111	96	96	95	97
		94954427	SPB 140082	50	57	25 75	25 74	21 77	1.07 76	17.4 52	0.23 9	121 66	-52 9	42	0.50 11	-0.14 10	0.03 9	10
202401 D11 F			0679330BMA															
SPOLIDORO BEEFMASTER		SPB 230006	8208R	93	92	83	85	85	94	93	107	80	50	77	78	94	90	80
		95697587	SPB 100197	50	67	1 70	-1 69	-7 73	1.12 71	7.0 47	0.00 10	-2 61	15 10	40	-1.31 12	-0.22 11	-0.27 10	12
		SPB 230009	SPB 210023	116	106	99	87	86	97	100		110		102				
		95851283	SPB 210028	42	61	16 73	1 73	-7 76	1.12 74	11.3 47		110 66		38				
		SPB 230016	SPB 210012	112	100	98	93	82	111	89	108	100	101	91	97	101	94	96
		95851358	SPB 200023	45	62	15 73	6 73	-9 76	1.16 74	4.7 49	-0.03 5	73 66	-41 5	39	0.51 6	0.17 6	-0.04 5	6
		SPB 230017	SPB 210023	124	111	97	87	85	98	93		105		99	98			
		95851366	SPB 210043	45	62	15 74	1 73	-7 76	1.13 74	7.3 47		91 66		39	0.67 5			

Growth Tests

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

Animal				Weight		Frame				Growth				Carcass			
Test Code Sex	Test no	Sire ID	Cow Value	Wean dir	End-weight	Length	Height	Length/Height	Scrotum	Intake	ADG	FCR	Growth Value	EMA	Fat	Marbling	Carcass Value
Test station	ID	Dam ID															
202401 D11 F			0679330BMA														
SPOLIDORO BEEFMASTER	SPB 230019	SPB 210023	100	114	101	97	92	105	92		105		94	101			
	95851382	SPB 200001	43	59	18	10	-3	1.14	6.3		90		38	0.99			
				72	72	72	75	74	48		64			5			
	SPB 230024	SPB 210012	109	103	102	96	89	108	94		107		99				
	96093919	SPB 200028	46	62	19	10	-5	1.15	7.5		96		38				
				73	73	73	76	74	49		65						
	SPB 230026	SPB 210023	110	110	101	99	100	99	88		102		96				
	96093927	SPB 200006	44	61	18	13	2	1.13	4.3		80		38				
				73	73	73	76	74	47		65						
202501 D11 M			0679330BMA														
SPOLIDORO BEEFMASTER	SPB 240003	SPB 220016	114	113	111	97	87	114	122		99	116	123	101	113	108	106
	97354583	SPB 190026	45	63	27	11	-6	1.16	23.4	0.15	132	-64	40	2.14	0.56	0.64	112
				74	74	73	76	74	73	6	67	6		7	6	6	6
	SPB 240012	SPB 220011	113	112	117	108	89	131	122		114		102	113			
	97473292	SPB 200018	45	62	33	21	-5	1.21	23.5		122		39	2.18			
				74	74	73	76	74	72		66			5			
	SPB 240017	SPB 220016	102	107	108	99	92	110	113		113		101	108	100	98	108
	97609812	SPB 200008	45	62	25	12	-3	1.15	18.5		120		39	1.61	0.12	0.18	
				74	74	73	76	74	73		66			7	6	6	6
	SPB 240035	SPB 220016	107	108	113	104	110	93	130		95	116	117	109	111	110	104
	97869465	SPB 100197	47	65	29	17	7	1.11	28.0	0.22	130	-58	42	1.92	0.71	0.50	111
				73	73	72	75	74	73	11	66	11		10	9	9	10
202502 D11 F			0679330BMA														
SPOLIDORO BEEFMASTER	SPB 240001	SPB 220016	118	113	112	104	100	107	113		98	114	116	102	108	107	100
	97296610	SPB 130095	48	66	28	17	1	1.15	18.4	0.17	121	-56	40	1.61	0.52	0.29	108
				74	74	73	76	74	53	6	67	6		6	6	5	6
	SPB 240008	SPB 220015	120	100	95	85	78	103	86		106		96	98			
	97473250	SPB 210008	43	62	12	-1	-11	1.14	3.4		93		39	0.63			
				74	74	73	76	74	49		66			5			
	SPB 240011	SPB 220011	115	100	99	92	99	89	107		105	105	107	100	94	100	96
	97473284	SPB 220039	42	60	16	6	1	1.10	15.0	0.04	91	-47	40	0.26	0.12	0.09	93
				73	73	73	76	74	47	6	65	6		7	6	6	6
	SPB 240013	SPB 220015	120	99	96	93	98	90	89		106		106				
	97473300	SPB 210043	44	62	14	6	0	1.10	4.8		95		39				
				74	74	73	76	74	47		66						
	SPB 240016	SPB 220016	117	114	118	115	120	99	122		121		107	111			
	97609804	SPB 190005	45	63	34	27	13	1.13	23.5		148		39	1.95			
				74	74	74	77	76	50		67			5			
	SPB 240019	SPB 220015	110	102	98	92	94	94	92		109		99	96	94	90	94
	97634489	SPB 210007	43	62	15	5	-2	1.11	6.7		106		38	0.47	-0.24	-0.28	
				73	73	73	76	74	49		66			6	6	6	6

Growth Tests

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

Animal				Weight		Frame				Growth				Carcass				
Test Code	Sex	Test no	Sire ID	Cow	Wean	End-	Length	Height	Length/	Scrotum	Intake	ADG	FCR	Growth	EMA	Fat	Marbling	Carcass
Test station		ID	Dam ID	Value	dir	weight			Height					Value				Value
202502 D11 F			0679330BMA															
SPOLIDORO BEEFMASTER		SPB 240022	SPB 220011	116	105	100	93	83	110	106		99		87	97			
		97634513	SPB 200024	44	62	17 73	6 73	-8 76	1.16 74	14.3 48		69 66		38	0.53 5			
		SPB 240024	SPB 220011	122	94	88	77	71	99	91		94		85	88			
		97839740	SPB 200031	45	63	6 74	-8 73	-15 76	1.13 74	5.9 49		51 66		39	-0.33 5			
		SPB 240026	SPB 220012	112	100	93	87	83	101	92		96		90	93			
		97839765	SPB 200010	44	61	11 73	1 73	-9 76	1.13 74	6.8 47		59 66		38	0.14 5			
		SPB 240028	SPB 220015	111	101	104	104	106	99	98		109		103				
		97839781	SPB 210026	42	60	20 73	17 73	5 76	1.13 74	9.8 47		104 65		38				
		SPB 240029	SPB 220012	118	105	103	99	102	95	102		105		100				
		97839799	SPB 190029	41	58	20 73	12 72	2 76	1.12 74	12.4 47		89 65		38				

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
ID Number Name																														
SPB 240003 97354583 SPB240003	5	SPB 220016 SPB 190026		105 60	113 63	96 46	100 38	108 34	114 45	101 40	109 44	112 6	102 0.17 64	106 -0.30 46	98 5 38	113 19.3 63	96 -2.6 46	109 63 49	111 27.8 44	116 132 67	123 -64 6	122 23.4 73	109 -14.6 39	94 -2.8 22	116 25.0 40	87 -6 76	97 11 73	113 2.14 7	108 0.56 6	106 0.64 6
SPB 240012 97473292 SPB240012	3	SPB 220011 SPB 200018		119 59	112 62	100 45	88 39	104 33	113 45	102 39	109 44		112 -0.68 63	113 -0.56 45	111 20 39	112 18.9 62	100 -1.3 45	106 56 49	108 25.6 44	114 122 66		122 23.5 72	104 -10.4 37	91 -2.2 22	115 24.4 40	89 -5 76	108 21 73	113 2.18 5		
SPB 240017 97609812 SPB240017	3	SPB 220016 SPB 200008		109 60	107 62	87 45	88 40	110 33	102 45	101 39	98 44	108 6	103 0.11 64	121 -0.89 45	112 21 40	107 16.4 62	87 -5.1 45	91 20 49	106 23.4 43	113 120 66		113 18.5 73	113 -17.6 37	99 -3.9 21	114 23.4 40	92 -3 76	99 12 73	108 1.61 7	100 0.12 6	98 0.18 6
SPB 240035 97869465 SPB240035	3	SPB 220016 SPB 100197		106 61	108 65	95 51	101 38	103 38	107 47	109 42	104 46	111 10	105 -0.04 64	102 -0.13 49	98 5 38	108 16.5 65	95 -2.8 51	103 50 51	107 24.3 49	116 130 66	117 -58 11	130 28.0 73	102 -8.8 40	93 -2.6 28	113 22.9 45	110 7 75	104 17 72	111 1.92 10	110 0.71 9	104 0.50 9
SPB 250001 99307829 SPB250001	5	SPB 230013 SPB 190005		101 60	113 48	100 43	103 38	105 30	115 41	96 29	109 39		96 0.67 64	115 -0.65 44	96 2 38	113 19.6 48	100 -1.3 43	115 77 43	108 25.6 34	105 91 49		105 14.0 46	90 0.0 36	103 -4.7 19	116 24.6 36	90 -4 56	97 10 54			
SPB 250004 99307779 SPB250004	4	SPB 230013 SPB 230026		99 56	112 44	96 31	103 26	104 25	110 34	96 28	105 33		95 0.75 61	112 -0.51 37	96 2 26	112 19.1 44	96 -2.5 31	110 66 34	108 25.5 30	104 86 46		97 9.6 43	96 -4.7 32	105 -5.0 14	109 20.3 30	87 -6 53	97 10 51			
SPB 250006 99307787 SPB250006	5	SPB 230013 SPB 190026		96 60	114 48	101 43	113 36	101 31	116 40	97 30	110 38	105 6	94 0.84 64	106 -0.31 44	90 -5 36	114 20.0 48	101 -1.2 43	119 87 42	110 26.7 36	106 93 49	106 -45 5	107 15.2 49	92 -1.5 36	97 -3.6 20	113 22.6 36	83 -8 56	96 9 54	104 1.25 6	114 0.93 6	111 0.92 5
SPB 250007 99307795 SPB250007	5	SPB 230013 SPB 230019		108 55	111 43	89 30	103 25	98 25	106 33	95 27	100 32		103 0.10 61	113 -0.56 36	96 3 25	111 18.7 43	89 -4.4 30	104 50 33	108 25.3 30	105 91 46		99 10.6 43	90 0.4 32	98 -3.7 13	108 19.5 30	83 -8 53	96 9 51			
SPB 250009 99307803 SPB250009	3	SPB 230007 SPB 130095		108 62	112 51	103 49	85 39	115 34	116 43	95 30	110 40	102 6	107 -0.23 66	102 -0.11 49	115 24 39	112 18.8 51	103 -0.7 49	106 56 46	108 24.9 41	104 88 50	108 -48 6	104 13.6 50	112 -16.8 40	114 -6.9 22	110 20.7 41	94 -2 56	93 7 54	101 1.00 7	111 0.77 6	106 0.66 6
SPB 250012 99307811 SPB250012	7	SPB 230013 SPB 210021		106 58	116 46	99 34	98 28	91 28	106 36	105 28	102 34	113 6	104 0.04 63	105 -0.26 41	100 7 28	116 21.4 46	99 -1.6 34	115 77 36	112 28.6 34	114 121 47	112 -52 5	111 17.2 45	77 10.4 34	93 -2.7 17	106 18.7 34	111 8 54	116 29 52	110 1.81 6	110 0.70 5	108 0.77 5
SPB 250019 99307878 SPB250019	8	SPB 230007 SPB 220033		113 57	103 45	84 35	112 27	103 28	107 36	93 28	101 34	95 6	112 -0.66 62	98 0.01 39	91 -3 27	103 14.0 45	84 -5.9 35	92 24 36	102 20.7 32	101 77 46	107 -47 5	104 13.6 43	101 -8.4 34	95 -3.0 17	113 22.6 33	100 1 54	89 3 52	97 0.52 6	107 0.53 5	102 0.41 5
SPB 250021 99404832 SPB250021		SPB 200010		107 52	93 35	98 34	97 31	92 25	87 33	80 21	79 31		103 0.06 56	108 -0.37 36	101 8 31	93 8.0 35	98 -1.9 34	89 16 33	90 11.4 26	86 20 36		88 4.4 27	99 -6.4 30	101 -4.2 16	85 5.4 28	86 -6 40	85 -1 39			

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
SPB 250025 99404873 SPB250025	4	SPB 230007 SPB 200003	98 59	109 47	102 41	102 35	97 30	105 39	97 30	100 37	102 6	101 0.23 63	89 0.36 43	96 2 35	109 17.3 47	102 -0.9 41	111 69 41	108 25.1 34	103 82 48	104 -43 6	96 9.1 48	102 -9.0 35	85 -1.1 20	107 19.4 36	94 -2 55	94 8 53	101 0.94 7	103 0.31 6	101 0.36 6
SPB 250027 99404899 SPB250027	3	SPB 230007 SPB 200018	113 58	105 47	105 41	101 36	95 30	108 39	102 30	104 37		113 -0.71 63	98 0.04 42	97 3 36	105 14.8 47	105 0.0 41	109 63 41	104 21.8 34	110 109 49	111 -51 5	112 17.8 48	98 -5.7 35	81 -0.3 20	110 21.2 35	99 1 55	101 14 53	107 1.54 5		
SPB 250031 99744674 SPB250031	7	SPB 230013 SPB 210010	106 57	109 46	91 39	101 33	97 28	102 38	95 28	96 36		102 0.15 62	108 -0.39 40	97 4 33	109 17.1 46	91 -4.0 39	101 45 39	106 23.9 31	102 80 48		93 7.3 44	79 9.3 33	100 -4.1 17	112 22.2 33	83 -8 55	93 7 53			
SPB 250037 99744724 SPB250037	2	SPB 230002 SPB 210026	95 59	107 48	101 45	95 41	100 35	100 42	99 32	95 40	106 10	94 0.80 63	102 -0.13 46	103 10 41	107 16.4 48	101 -1.1 45	106 56 45	108 25.2 40	108 103 49	110 -50 11	101 11.9 46	107 -13.2 36	93 -2.6 28	103 16.4 40	108 6 55	106 19 53	104 1.20 10	111 0.76 9	103 0.44 9

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																													
SPB 100197 74789454 SPB100197		4248 SPB 080116	97 80	102 79	102 85	102 62	102 61	102 68	96 47	97 64	100 18	101 0.22 80	87 0.47 79	97 3 62	102 13.4 79	102 -0.8 85	104 52 75	103 21.2 66	101 76 67	102 -41 20	106 14.7 69	99 -6.4 66	102 -4.4 48	105 17.8 70	111 8 74	95 9 72	101 0.99 19	117 1.09 17	104 0.52 17
SPB 130095 78301116 SPB130095		SPB 110020 SPB 110026	114 81	104 80	122 85	74 69	125 58	125 69	84 45	115 64	91 10	108 -0.32 81	115 -0.64 80	130 41 69	104 14.2 80	122 4.9 85	107 58 78	99 18.0 66	92 45 74	94 -33 11	87 3.6 69	123 -25.6 68	126 -9.2 38	111 21.6 68	82 -9 81	85 -1 79	91 -0.07 11	110 0.67 10	97 0.13 9
SPB 190005 89053763 SPB190005	2	SPB 170115 SPB 130095	99 73	111 73	105 75	88 66	121 50	119 62	97 44	112 58	98 8	94 0.82 74	115 -0.67 70	111 19 66	111 18.3 73	105 0.1 75	109 63 71	107 24.6 54	105 90 74	106 -46 7	103 13.1 60	109 -14.8 61	116 -7.2 31	123 28.8 57	105 5 82	99 12 80	97 0.60 8	106 0.47 7	99 0.23 7
SPB 190026 89257489 SPB190026	6	SPB 170115 SPB 140076	89 74	112 73	106 73	99 61	114 52	116 61	98 45	110 58	103 12	90 1.16 76	98 0.02 69	98 5 61	112 19.1 73	106 0.3 73	117 83 69	110 26.9 56	106 94 74	105 -45 10	108 15.5 67	113 -17.9 63	104 -4.8 35	116 24.9 59	92 -3 82	97 11 80	104 1.20 12	110 0.67 11	110 0.89 10
SPB 190029 89258073 SPB190029		SPB 170115 SPB 070034	103 67	105 57	102 62	104 39	98 40	106 49	96 40	100 47	92 6	98 0.49 69	125 -1.04 61	95 1 39	105 15.2 57	102 -0.9 62	108 61 53	102 20.3 48	100 71 68	103 -43 5	102 12.1 55	87 2.8 40	93 -2.7 23	115 24.1 56	93 -2 78	92 6 75	91 -0.07 6	91 -0.44 5	81 -0.77 5
SPB 200003 90663923 SPB200003		SPB 170103 SPB 160009	99 72	96 70	119 66	108 59	89 49	102 58	88 43	95 55	92 10	103 0.13 74	88 0.40 66	92 -2 59	96 9.9 70	119 4.0 66	114 76 65	97 16.7 49	89 34 69	84 -22 9	71 -5.4 63	103 -10.1 57	68 2.3 34	107 18.9 55	82 -9 79	88 2 76	89 -0.18 11	94 -0.25 9	86 -0.47 9
SPB 200008 90663972 SPB200008		SPB 170113 SPB 160072	114 71	90 71	89 71	82 67	117 50	92 61	87 42	86 57	82 10	107 -0.25 73	122 -0.94 66	121 31 67	90 6.5 71	89 -4.5 71	72 -23 70	87 9.3 50	88 27 71	84 -22 5	90 5.2 64	124 -26.2 59	112 -6.5 34	106 18.8 56	86 -7 80	82 -3 78	82 -0.90 11	94 -0.23 10	90 -0.26 10
SPB 200010 90663998 SPB200010	2	SPB 170115 SPB 130095	104 72	104 70	91 68	84 61	115 49	101 59	93 43	95 56	89 8	98 0.48 73	122 -0.91 67	117 27 61	104 14.6 70	91 -3.9 68	89 16 66	101 19.6 53	94 51 73	88 -26 7	93 7.3 54	116 -19.7 59	113 -6.8 32	108 20.0 56	83 -8 81	87 1 79	89 -0.20 8	103 0.30 7	96 0.05 7
SPB 200013 90664012 SPB200013		SPB 170103 SPB 150035	112 69	94 71	120 70	115 68	102 48	121 60	84 42	112 56	91 5	109 -0.42 71	104 -0.23 63	86 -9 68	94 8.7 71	120 4.2 70	116 81 70	95 14.9 50	92 45 71	93 -32 5	84 2.2 66	102 -8.8 56	92 -2.4 34	113 22.7 55	124 15 81	111 24 78	91 -0.02 5	99 0.05 5	80 -0.81 5
SPB 200018 90664053 SPB200018	3	SPB 170103 SPB 160048	106 70	97 70	131 66	104 61	85 48	108 58	98 42	103 55	102 6	101 0.26 72	114 -0.62 63	94 0 61	97 10.6 70	131 7.3 66	125 100 66	97 16.9 49	104 88 71	100 -39 6	102 12.0 64	95 -3.5 57	60 4.0 34	113 22.6 54	91 -4 80	101 14 77	102 1.01 6	99 0.06 5	89 -0.30 5
SPB 200023 90712332 SPB200023	3	SPB 170103 SPB 140076	90 71	98 71	123 70	107 69	96 51	106 61	89 44	99 58	92 10	98 0.51 72	78 0.82 66	93 -1 69	98 11.1 71	123 5.1 70	120 88 70	99 18.5 52	100 74 72	104 -43 9	94 7.9 60	93 -2.1 58	84 -0.8 38	115 23.8 56	106 5 81	99 13 78	93 0.17 11	99 0.03 10	89 -0.30 9
SPB 200024 90688532 SPB200024	2	SPB 170103 SPB 160070	101 70	103 69	121 65	125 60	76 48	109 58	92 40	103 54	98 6	100 0.33 72	101 -0.09 63	74 -22 60	103 13.8 69	121 4.5 65	135 126 65	104 21.8 46	102 81 69	101 -40 5	100 11.2 56	48 33.2 58	82 -0.4 32	110 20.7 53	87 -6 78	95 9 76	98 0.68 6	105 0.38 6	97 0.15 5

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																													
SPB 200028		SPB 170115	105	94	99	112	106	106	84	98	84	99	115	90	94	99	95	91	92	95	93	100	97	117	95	93	84	88	77
90735051		SPB 080162	70	69	70	65	48	59	41	55	6	0.38	-0.67	4	8.7	-1.8	30	12.4	43	-33	6.9	-7.6	-3.4	25.4	-2	7	-0.74	-0.57	-0.99
SPB200028												71	67	65	69	70	68	48	70	5	60	57	32	54	79	77	6	5	5
SPB 200031		SPB 170103	118	87	95	143	97	116	85	107	80	114	105	50	87	95	106	89	94	100	76	99	83	112	86	78	81	92	82
90952318		SPB 160049	70	71	70	58	49	59	42	56	6	-0.86	-0.27	-50	4.9	-2.8	56	10.2	50	-39	-2.5	-6.7	-0.6	22.1	-7	-7	-0.99	-0.38	-0.72
SPB200031												72	65	58	71	70	66	47	71	5	59	57	35	54	80	78	6	5	5
SPB 210008	2	SPB 180031	134	104	91	99	126	132	95	124	102	125	117	100	104	91	96	102	111	120	103	135	119	110	73	86	105	106	100
92248459		SPB 130095	71	72	68	58	48	59	42	56	8	-1.71	-0.73	7	14.6	-4.0	31	20.3	110	-61	12.9	-35.2	-7.9	20.9	-14	0	1.31	0.47	0.32
SPB210008												73	64	58	72	68	66	58	72	7	61	59	31	55	80	77	8	7	7
SPB 210010	2	SPB 180037	104	104	87	87	105	93	95	88		102	104	113	104	87	87	105	99		80	86	109	115	91	92			
92244953		SPB 170104	68	68	63	55	45	55	40	52		0.16	-0.22	22	14.4	-5.0	11	22.8	68		-0.3	3.7	-5.9	23.9	-4	6			
SPB210010												70	60	55	68	63	62	44	70		50	56	28	51	79	76			
SPB 210021		SPB 180037	89	125	108	82	93	103	115	101	119	89	104	119	125	108	121	123	122	118	115	83	96	104	148	138	115	102	105
92288802		SPB 140082	69	66	50	41	45	50	42	48	10	1.25	-0.20	29	26.6	0.9	93	36.5	150	-58	19.5	5.8	-3.2	17.0	29	49	2.32	0.22	0.60
SPB210021												71	61	41	66	50	52	51	68	9	55	56	26	53	78	75	10	9	9
SPB 210024		SPB 180037	71	140	115	62	90	97	118	97	130	71	96	150	140	115	126	138	123	108	96	69	101	104	154	153	127	105	111
92288836		SPB 140119	69	68	59	50	48	55	42	52	10	2.77	0.10	64	35.5	2.8	104	48.7	156	-48	9.0	17.1	-4.2	17.5	33	63	3.53	0.41	0.90
SPB210024												71	62	50	68	59	59	52	68	9	60	57	32	54	78	75	11	10	10
SPB 210026		SPB 180031	113	101	96	103	113	114	100	109	102	109	106	95	101	96	98	100	109	115	118	117	108	106	104	105	101	95	92
92288851		SPB 110112	70	63	66	59	41	55	40	52	6	-0.45	-0.28	2	12.6	-2.5	38	19.2	106	-55	21.4	-21.1	-5.7	18.6	4	18	0.91	-0.21	-0.14
SPB210026												72	65	59	63	66	63	54	69	5	56	45	25	54	78	75	6	5	5
SPB 220006		SPB 130281	133	92	72	119	100	102	86	94	85	125	125	84	92	72	71	94	95	98	67	99	95	107	74	80	91	100	97
93841815		SPB 140119	70	70	65	57	53	58	43	55	12	-1.70	-1.03	-11	7.5	-9.4	-27	14.8	55	-37	-8.0	-6.5	-3.1	18.9	-14	-6	-0.05	0.09	0.13
SPB220006												72	64	57	70	65	64	58	70	10	62	62	37	59	78	76	12	11	10
SPB 220010	5	SPB 200017	113	96	107	121	95	113	91	106	89	111	101	80	96	107	110	98	102	106	79	82	90	114	98	90	92	98	91
93939692		SPB 160070	64	64	48	39	42	48	39	46	6	-0.57	-0.11	-16	9.7	0.6	66	17.8	81	-45	-0.6	6.4	-2.0	23.8	0	3	0.08	0.01	-0.19
SPB220010												67	53	39	64	48	50	44	63	6	47	56	23	48	75	71	6	6	6
SPB 220022	2	SPB 200017	97	92	114	114	102	108	85	100	83	102	85	87	92	114	108	93	92	91	78	103	83	120	89	88	86	98	89
93942100		SPB 140076	67	67	58	51	46	54	42	52	10	0.19	0.55	-7	7.6	2.6	61	13.8	43	-29	-1.5	-9.6	-0.7	27.3	-5	2	-0.49	0.01	-0.32
SPB220022												69	58	51	67	58	59	50	67	9	57	57	32	50	77	75	11	10	9
SPB 220033	4	SPB 200020	110	93	88	120	102	104	79	94	78	104	114	82	93	88	88	93	86	92	87	102	87	117	93	77	81	102	88
93998078		SPB 170095	64	64	49	38	42	48	40	46	8	-0.01	-0.61	-13	8.0	-4.7	14	13.5	23	-30	3.5	-8.7	-1.4	25.5	-3	-9	-1.02	0.20	-0.37
SPB220033												67	53	38	64	49	50	44	65	7	47	55	24	48	76	73	8	7	7
SPB 220039	3	SPB 200020	90	104	111	102	102	106	111	104	97	96	85	96	104	111	114	105	114	112	111	113	86	110	135	112	96	96	95
94954427		SPB 140082	67	57	57	50	40	50	42	48	10	0.70	0.53	3	14.5	1.8	76	22.6	121	-52	17.4	-17.5	-1.2	21.0	21	25	0.50	-0.14	0.03
SPB220039												69	58	50	57	57	55	50	66	9	52	42	28	50	77	74	11	10	9

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																													
SPB 230006 95697587 SPB230006		8208R SPB 100197	94 65	92 67	104 52	115 37	92 44	93 50	77 40	85 48	80 12	99 0.42 68	87 0.47 55	87 -8 37	92 7.3 67	104 -0.2 52	100 42 52	90 11.0 51	80 -2 61	50 15 10	93 7.0 47	89 1.2 54	88 -1.7 25	104 17.5 54	85 -7 73	85 -1 69	78 -1.31 12	94 -0.22 11	90 -0.27 10
SPB 230009 95851283 SPB230009	2	SPB 210023 SPB 210028	96 59	106 61	97 41	119 33	107 32	116 42	102 38	111 41		97 0.62 63	99 -0.01 43	84 -12 33	106 15.7 61	97 -2.1 41	111 68 45	106 24.0 44	110 110 66		100 11.3 47	106 -11.9 38	101 -4.2 18	110 21.1 40	86 -7 76	87 1 73			
SPB 230016 95851358 SPB230016	3	SPB 210012 SPB 200023	111 59	100 62	103 46	112 41	100 33	112 45	91 39	105 44	96 6	111 -0.61 63	94 0.20 46	90 -5 41	100 12.0 62	103 -0.6 46	105 55 50	99 18.4 45	100 73 66	101 -41 5	89 4.7 49	97 -5.1 38	89 -1.8 22	115 24.3 40	82 -9 76	93 6 73	97 0.51 6	101 0.17 6	94 -0.04 5
SPB 230017 95851366 SPB230017	6	SPB 210023 SPB 210043	106 61	111 62	88 43	114 35	118 38	124 45	99 39	118 44		102 0.15 65	108 -0.38 49	89 -5 35	111 18.2 62	88 -4.8 43	105 53 47	109 26.0 44	105 91 66		93 7.3 47	108 -13.8 53	112 -6.4 19	122 28.7 41	85 -7 76	87 1 73	98 0.67 5		
SPB 230019 95851382 SPB230019	6	SPB 210023 SPB 200001	99 59	114 59	87 40	88 34	108 36	100 43	94 38	95 42		93 0.90 63	117 -0.71 47	112 20 34	114 20.0 59	87 -5.1 40	97 35 44	112 28.3 40	105 90 64		92 6.3 48	108 -14.1 51	105 -5.1 15	106 18.6 42	92 -3 75	97 10 72	101 0.99 5		
SPB 230024 96093919 SPB230024	2	SPB 210012 SPB 200028	122 62	103 62	85 46	112 39	100 38	109 46	99 38	104 44		118 -1.15 65	106 -0.29 51	91 -3 39	103 13.6 62	85 -5.5 46	93 24 49	101 19.7 44	107 96 65		94 7.5 49	89 1.0 52	93 -2.8 20	116 24.9 42	89 -5 76	96 10 73			
SPB 230026 96093927 SPB230026	3	SPB 210023 SPB 200006	93 60	110 61	98 42	89 36	120 38	110 44	96 38	104 43		90 1.16 63	110 -0.43 49	111 19 36	110 17.8 61	98 -2.1 42	102 47 46	108 25.1 41	102 80 65		88 4.3 47	122 -24.3 53	118 -7.7 19	109 20.1 42	100 2 76	99 13 73			
SPB 240001 97296610 SPB240001	3	SPB 220016 SPB 130095	112 62	113 66	103 51	86 41	112 36	118 48	102 40	113 46	108 6	105 -0.10 66	116 -0.70 50	114 23 41	113 19.9 66	103 -0.5 51	109 62 53	111 27.6 49	114 121 67	116 -56 6	113 18.4 53	113 -17.5 41	106 -5.2 23	112 22.3 43	100 1 76	104 17 73	108 1.61 6	107 0.52 6	100 0.29 5
SPB 240008 97473250 SPB240008	6	SPB 220015 SPB 210008	117 59	100 62	99 43	103 35	117 32	120 43	96 39	114 42		110 -0.46 63	115 -0.66 43	96 2 35	100 12.3 62	99 -1.6 43	100 42 47	101 20.1 44	106 93 66		86 3.4 49	122 -24.9 36	106 -5.2 19	113 23.0 40	78 -11 76	85 -1 73	98 0.63 5		
SPB 240011 97473284 SPB240011	9	SPB 220011 SPB 220039	111 59	100 60	102 42	103 34	112 30	115 42	100 40	110 42	93 6	110 -0.49 63	100 -0.04 43	95 2 34	100 12.0 60	102 -0.9 42	102 46 45	98 17.7 44	105 91 65	107 -47 6	107 15.0 47	119 -22.7 32	98 -3.7 19	112 22.5 39	99 1 76	92 6 73	94 0.26 7	100 0.12 6	96 0.09 6
SPB 240013 97473300 SPB240013	7	SPB 220015 SPB 210043	108 59	99 62	93 44	120 35	115 32	120 44	106 39	115 43		102 0.14 63	115 -0.65 43	82 -13 35	99 11.5 62	93 -3.4 44	99 40 47	100 19.3 44	106 95 66		89 4.8 47	115 -19.0 36	102 -4.4 19	120 27.3 40	98 0 76	93 6 73			
SPB 240016 97609804 SPB240016	5	SPB 220016 SPB 190005	107 60	114 63	95 47	96 40	111 33	117 45	107 39	113 44		101 0.23 64	116 -0.67 46	103 10 40	114 20.4 63	95 -2.8 47	108 62 50	113 29.2 44	121 148 67		122 23.5 50	107 -12.7 38	100 -4.1 20	119 26.6 40	120 13 77	115 27 74	111 1.95 5		

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																													
SPB 240019 97634489 SPB240019	5	SPB 220015 SPB 210007	100 59	102 62	92 44	113 34	110 32	110 43	99 38	105 42	94 6	95 0.73 63	114 -0.62 43	90 -5 34	102 13.4 62	92 -3.8 44	98 38 47	104 21.8 44	109 106 66	92 6.7 49	113 -17.4 35	98 -3.7 20	114 23.5 40	94 -2 76	92 5 73	96 0.47 6	94 -0.24 6	90 -0.28 6	
SPB 240022 97634513 SPB240022	5	SPB 220011 SPB 200024	116 59	105 62	102 45	111 38	98 33	116 44	87 38	108 43		112 -0.68 63	107 -0.33 45	91 -3 38	105 15.0 62	102 -0.9 45	110 65 48	102 20.2 44	99 69 66	106 14.3 48	84 5.1 38	99 -3.8 21	112 22.2 40	83 -8 76	93 6 73	97 0.53 5			
SPB 240024 97839740 SPB240024	5	SPB 220011 SPB 200031	130 59	94 63	89 47	125 38	109 33	122 45	85 39	113 44		124 -1.64 63	108 -0.36 46	76 -20 38	94 8.6 63	89 -4.5 47	93 25 49	92 12.6 44	94 51 66	91 5.9 49	111 -15.9 38	98 -3.7 22	113 22.8 40	71 -15 76	77 -8 73	88 -0.33 5			
SPB 240026 97839765 SPB240026	4	SPB 220012 SPB 200010	119 58	100 61	89 44	102 39	113 33	112 44	90 38	104 43		112 -0.63 62	115 -0.65 44	97 4 39	100 12.3 61	89 -4.6 44	91 20 48	98 17.1 44	96 59 66	92 6.8 47	115 -18.9 37	104 -5.0 21	112 22.4 40	83 -9 76	87 1 73	93 0.14 5			
SPB 240028 97839781 SPB240028	4	SPB 220015 SPB 210026	103 59	101 60	102 42	104 35	110 29	111 42	103 38	107 41		99 0.44 63	111 -0.48 43	95 1 35	101 12.7 60	102 -0.8 42	103 50 46	103 21.2 42	109 104 65	98 9.8 47	113 -17.3 30	101 -4.2 17	112 22.0 40	106 5 76	104 17 73				
SPB 240029 97839799 SPB240029	3	SPB 220012 SPB 190029	125 58	105 58	88 42	112 30	104 29	118 41	100 38	112 40		118 -1.18 62	113 -0.57 42	90 -4 30	105 14.9 58	88 -4.8 42	98 37 43	102 20.8 42	105 89 65	102 12.4 47	98 -6.0 30	96 -3.3 17	116 24.5 40	102 2 76	99 12 72				
SPB 250005 99412082 SPB250005	2	SPB 230013 SPB 190029	111 57	108 43	97 38	114 27	93 26	112 36	96 28	106 34		104 -0.04 62	117 -0.73 41	88 -7 27	108 16.6 43	97 -2.2 38	110 66 36	103 21.5 32	103 82 47	104 13.5 45	79 8.8 27	92 -2.5 15	112 22.2 35	84 -8 54	93 7 52				
SPB 250008 99307720 SPB250008	9	SPB 230007 SPB 200023	88 59	112 48	105 43	102 39	100 31	107 41	98 30	102 39	102 6	94 0.87 63	86 0.48 43	96 3 39	112 19.2 48	105 0.0 43	118 83 43	111 27.5 34	108 102 49	113 -53 6	108 15.8 47	97 -5.1 36	93 -2.7 22	111 21.8 36	107 5 55	100 13 54	103 1.12 7	106 0.45 6	103 0.44 6
SPB 250010 99307738 SPB250010	3	SPB 230007 SPB 200013	110 50	106 48	101 42	109 39	103 30	116 39	95 29	109 37		110 -0.52 52	95 0.13 41	93 -1 39	106 15.4 48	101 -1.2 42	109 63 43	105 22.6 34	104 88 49	103 12.9 49	101 -8.4 35	97 -3.5 21	110 21.2 35	116 10 55	106 19 54	102 1.02 5			
SPB 250013 99307746 SPB250013	8	SPB 230007 SPB 220006	130 59	101 47	75 41	111 34	102 32	107 39	96 30	102 37	99 7	126 -1.81 63	102 -0.14 43	92 -2 34	101 12.9 47	75 -8.4 41	82 -1 41	102 20.3 38	106 93 48	110 -50 6	94 7.8 48	100 -7.3 37	99 -3.8 22	107 19.4 37	90 -4 55	90 4 53	102 1.00 7	106 0.48 7	106 0.66 6
SPB 250014 99307753 SPB250014	4	SPB 230002 SPB 230017	89 57	113 47	97 37	99 34	103 34	104 39	98 32	99 38	104 10	88 1.29 62	104 -0.22 41	99 6 34	113 19.7 47	97 -2.2 37	110 67 39	113 29.2 37	107 96 48	107 -46 11	89 4.8 44	103 -9.5 39	94 -3.0 26	111 21.5 36	98 0 54	97 11 52	102 1.08 10	116 1.06 9	109 0.83 9
SPB 250016 99307761 SPB250016	6	SPB 230007 SPB 220010	112 57	106 45	94 34	113 27	100 28	113 36	99 28	107 34	101 5	113 -0.74 62	93 0.22 39	90 -5 27	106 15.4 45	94 -3.1 34	104 52 35	106 23.5 32	109 106 46	101 11.5 43	91 -0.8 35	96 -3.3 17	111 21.8 33	103 3 53	95 9 51	102 1.07 5	106 0.44 5		

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																														
SPB 250020 99404824 SPB250020	7	SPB 230002 SPB 220022	82 59	105 49	111 42	99 39	95 36	95 42	92 32	90 40	97 10	85 1.55	93 0.20	99 5	105 15.1	111 1.7	114 75	106 24.0	100 72	98 -37	81 0.4	100 -7.5	80 -0.1	110 20.8	100 1	98 11	96 0.50	113 0.87	101 0.35	
SPB 250022 99404840 SPB250022	4	SPB 230013 SPB 200008	122 59	98 48	89 42	98 38	103 30	101 40	91 28	95 38	94 6	115 -0.92	113 -0.59	101 8	98 10.7	89 -4.4	87 10	94 14.2	97 60		98 10.1	98 -5.6	102 -4.4	108 19.6	80 -10	88 2	93 0.20	106 0.48	101 0.34	
SPB 250024 99404865 SPB250024	5	SPB 230013 SPB 210024	80 58	130 46	106 37	85 32	89 29	100 38	107 28	97 36	119 6	80 2.00	107 -0.33	115 25	130 29.2	106 0.3	126 104	126 38.8	114 124	107 -47	102 12.0	70 16.0	96 -3.3	107 19.0	114 10	126 38	116 2.42	112 0.80	111 0.92	
SPB 250026 99404881 SPB250026	5	SPB 230007 SPB 200024	114 58	106 47	99 41	115 36	90 30	111 39	99 28	106 37	105 5	115 -0.95	90 0.36	87 -8	106 15.6	99 -1.6	111 68	105 23.3	109 106		111 17.4	74 12.6	92 -2.5	109 20.3	97 0	98 11	105 1.37	109 0.62		
SPB 250028 99744641 SPB250028	3	SPB 230002 SPB 200028	96 60	102 50	101 46	98 43	97 36	95 43	91 32	89 41	97 10	95 0.78	105 -0.24	100 7	102 13.2	101 -1.1	101 45	102 20.3	100 72	100 -39	89 4.6	99 -6.5	87 -1.5	108 19.8	103 3	100 13	95 0.37	108 0.58	95 0.02	
SPB 250030 99744666 SPB250030	5	SPB 230007 SPB 200031	112 58	103 47	88 43	126 35	101 30	115 39	96 29	109 37	96 5	112 -0.68	96 0.11	75 -22	103 13.6	88 -4.6	104 50	102 20.4	105 90		99 10.5	100 -7.4	93 -2.6	110 21.0	96 -1	89 3	97 0.54	102 0.25		

Selection List on Cow Value

Bulls 2 years and older

ID		Name	Sire ID	Dam ID	% Inbreeding	Horned / Polled	Myostatin				Calving Ease Value	Calf Growth Value	Milk Value	Maint. Value	Fertility Value	Cow Value	Growth Value	Prod Value									
Sorted on ID							nt821	Q204X	F94L	Genomic tested	Acc	Acc	Acc	Acc	Acc	Acc	Acc	Acc									
										★★★★																	
1	SPB 240003	SPB240003	SPB 220016	SPB 190026	5.3						105	60	113	63	96	46	100	38	108	34	114	45	101	40	109	44	
2	SPB 240012	SPB240012	SPB 220011	SPB 200018	3.2						119	59	112	62	100	45	88	39	104	33	113	45	102	39	109	44	
										★★★★☆																	
1	SPB 240017	SPB240017	SPB 220016	SPB 200008	3.2						109	60	107	62	87	45	88	40	110	33	102	45	101	39	98	44	
2	SPB 240035	SPB240035	SPB 220016	SPB 100197	3.1						106	61	108	65	95	51	101	38	103	38	107	47	109	42	104	46	

Selection List on Cow Value

Cows 2 years and older

ID Sorted on ID	Name	Sire ID	Dam ID	% Inbreeding	Horned / Polled	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	SPB 210008	SPB210008	SPB 180031	SPB 130095	1.6		134 71	104 72	91 68	99 58	126 48	132 59	95 42	124 56	
1	SPB 130095	SPB130095	SPB 110020	SPB 110026	0.0		114 81	104 80	122 85	74 69	125 58	125 69	84 45	115 64	
2	SPB 200013	SPB200013	SPB 170103	SPB 150035	0.0		112 69	94 71	120 70	115 68	102 48	121 60	84 42	112 56	
3	SPB 230017	SPB230017	SPB 210023	SPB 210043	6.3		106 61	111 62	88 43	114 35	118 38	124 45	99 39	118 44	
4	SPB 240008	SPB240008	SPB 220015	SPB 210008	5.5		117 59	100 62	99 43	103 35	117 32	120 43	96 39	114 42	
5	SPB 240013	SPB240013	SPB 220015	SPB 210043	6.9		108 59	99 62	93 44	120 35	115 32	120 44	106 39	115 43	
6	SPB 240024	SPB240024	SPB 220011	SPB 200031	5.1		130 59	94 63	89 47	125 38	109 33	122 45	85 39	113 44	
1	SPB 190005	SPB190005	SPB 170115	SPB 130095	1.6		99 73	111 73	105 75	88 66	121 50	119 62	97 44	112 58	
2	SPB 190026	SPB190026	SPB 170115	SPB 140076	6.3		89 74	112 73	106 73	99 61	114 52	116 61	98 45	110 58	
3	SPB 200031	SPB200031	SPB 170103	SPB 160049	0.0		118 70	87 71	95 70	143 58	97 49	116 59	85 42	107 56	
4	SPB 210026	SPB210026	SPB 180031	SPB 110112	0.0		113 70	101 63	96 66	103 59	113 41	114 55	100 40	109 52	
5	SPB 220010	SPB220010	SPB 200017	SPB 160070	4.8		113 64	96 64	107 48	121 39	95 42	113 48	91 39	106 46	
6	SPB 230009	SPB230009	SPB 210023	SPB 210028	2.4		96 59	106 61	97 41	119 33	107 32	116 42	102 38	111 41	
7	SPB 230016	SPB230016	SPB 210012	SPB 200023	3.1		111 59	100 62	103 46	112 41	100 33	112 45	91 39	105 44	
8	SPB 230026	SPB230026	SPB 210023	SPB 200006	3.4		93 60	110 61	98 42	89 36	120 38	110 44	96 38	104 43	
9	SPB 240001	SPB240001	SPB 220016	SPB 130095	3.1		112 62	113 66	103 51	86 41	112 36	118 48	102 40	113 46	
10	SPB 240011	SPB240011	SPB 220011	SPB 220039	9.0		111 59	100 60	102 42	103 34	112 30	115 42	100 40	110 42	
11	SPB 240016	SPB240016	SPB 220016	SPB 190005	4.5		107 60	114 63	95 47	96 40	111 33	117 45	107 39	113 44	
12	SPB 240019	SPB240019	SPB 220015	SPB 210007	4.8		100 59	102 62	92 44	113 34	110 32	110 43	99 38	105 42	
13	SPB 240022	SPB240022	SPB 220011	SPB 200024	5.5		116 59	105 62	102 45	111 38	98 33	116 44	87 38	108 43	
14	SPB 240026	SPB240026	SPB 220012	SPB 200010	4.1		119 58	100 61	89 44	102 39	113 33	112 44	90 38	104 43	
15	SPB 240028	SPB240028	SPB 220015	SPB 210026	3.9		103 59	101 60	102 42	104 35	110 29	111 42	103 38	107 41	
16	SPB 240029	SPB240029	SPB 220012	SPB 190029	2.9		125 58	105 58	88 42	112 30	104 29	118 41	100 38	112 40	

★★★★★★

★★★★★

★★★★

★★★★

Selection List on Cow Value

Cows 2 years and older

ID		Name	Sire ID	Dam ID	% Inbreeding	Horned / Polled	Myostatin				Calving Ease Value	Calf Growth Value	Milk Value	Maint. Value	Fertility Value	Cow Value	Growth Value	Prod Value	
Sorted on ID							nt821	Q204X	F94L	Genomic tested	Acc	Acc	Acc	Acc	Acc	Acc	Acc	Acc	
											★★★★★								
1	SPB 100197	SPB100197	4248	SPB 080116	0.0						9780	10279	10285	10262	10261	10268	9647	9764	
2	SPB 190029	SPB190029	SPB 170115	SPB 070034	0.0						10367	10557	10262	10439	9840	10649	9640	10047	
3	SPB 200003	SPB200003	SPB 170103	SPB 160009	0.0						9972	9670	11966	10859	8949	10258	8843	9555	
4	SPB 200010	SPB200010	SPB 170115	SPB 130095	1.6						10472	10470	9168	8461	11549	10159	9343	9556	
5	SPB 200018	SPB200018	SPB 170103	SPB 160048	3.1						10670	9770	13166	10461	8548	10858	9842	10355	
6	SPB 200023	SPB200023	SPB 170103	SPB 140076	3.1						9071	9871	12370	10769	9651	10661	8944	9958	
7	SPB 200024	SPB200024	SPB 170103	SPB 160070	1.6						10170	10369	12165	12560	7648	10958	9240	10354	
8	SPB 200028	SPB200028	SPB 170115	SPB 080162	0.0						10570	9469	9970	11265	10648	10659	8441	9855	
9	SPB 210021	SPB210021	SPB 180037	SPB 140082	0.0						8969	12566	10850	8241	9345	10350	11542	10148	
10	SPB 220006	SPB220006	SPB 130281	SPB 140119	0.0						13370	9270	7265	11957	10053	10258	8643	9455	
11	SPB 220022	SPB220022	SPB 200017	SPB 140076	1.6						9767	9267	11458	11451	10246	10854	8542	10052	
12	SPB 220033	SPB220033	SPB 200020	SPB 170095	3.9						11064	9364	8849	12038	10242	10448	7940	9446	
13	SPB 220039	SPB220039	SPB 200020	SPB 140082	3.1						9067	10457	11157	10250	10240	10650	11142	10448	
14	SPB 230019	SPB230019	SPB 210023	SPB 200001	6.3						9959	11459	8740	8834	10836	10043	9438	9542	
15	SPB 230024	SPB230024	SPB 210012	SPB 200028	1.8						12262	10362	8546	11239	10038	10946	9938	10444	
											★★★★								
1	SPB 200008	SPB200008	SPB 170113	SPB 160072	0.0						11471	9071	8971	8267	11750	9261	8742	8657	
2	SPB 210010	SPB210010	SPB 180037	SPB 170104	1.6						10468	10468	8763	8755	10545	9355	9540	8852	
3	SPB 210024	SPB210024	SPB 180037	SPB 140119	0.0						7169	14068	11559	6250	9048	9755	11842	9752	
4	SPB 230006	SPB230006	8208R	SPB 100197	0.0						9465	9267	10452	11537	9244	9350	7740	8548	

Selection List on Cow Value
Bull Calves younger than 2 years

ID Name Sorted on ID			Sire ID	Dam ID	% Inbreeding	Horned / Polled	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									
											★★★★★								
1	SPB 250001	SPB250001	SPB 230013	SPB 190005	4.7						101 60	113 48	100 43	103 38	105 30	115 41	96 29	109 39	
2	SPB 250004	SPB250004	SPB 230013	SPB 230026	4.3						99 56	112 44	96 31	103 26	104 25	110 34	96 28	105 33	
3	SPB 250006	SPB250006	SPB 230013	SPB 190026	4.7						96 60	114 48	101 43	113 36	101 31	116 40	97 30	110 38	
4	SPB 250009	SPB250009	SPB 230007	SPB 130095	3.1						108 62	112 51	103 49	85 39	115 34	116 43	95 30	110 40	
											★★★★☆								
1	SPB 250007	SPB250007	SPB 230013	SPB 230019	5.4						108 55	111 43	89 30	103 25	98 25	106 33	95 27	100 32	
2	SPB 250012	SPB250012	SPB 230013	SPB 210021	7.3						106 58	116 46	99 34	98 28	91 28	106 36	105 28	102 34	
3	SPB 250019	SPB250019	SPB 230007	SPB 220033	7.9						113 57	103 45	84 35	112 27	103 28	107 36	93 28	101 34	
4	SPB 250025	SPB250025	SPB 230007	SPB 200003	3.9						98 59	109 47	102 41	102 35	97 30	105 39	97 30	100 37	
5	SPB 250027	SPB250027	SPB 230007	SPB 200018	3.1						113 58	105 47	105 41	101 36	95 30	108 39	102 30	104 37	
6	SPB 250031	SPB250031	SPB 230013	SPB 210010	7.1						106 57	109 46	91 39	101 33	97 28	102 38	95 28	96 36	
7	SPB 250037	SPB250037	SPB 230002	SPB 210026	2.3						95 59	107 48	101 45	95 41	100 35	100 42	99 32	95 40	
											★★★☆☆								
1	SPB 250021	SPB250021		SPB 200010	0.0						107 52	93 35	98 34	97 31	92 25	87 33	80 21	79 31	

Selection List on Cow Value
Heifers younger than 2 years

ID Sorted on ID	Name	Sire ID	Dam ID	% Inbreeding	Horned / Polled	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																	
1	SPB 250005	SPB250005	SPB 230013	SPB 190029	2.2					111	57	108	43	97	38	114	27	93	26	112	36	96	28	106	34	
2	SPB 250010	SPB250010	SPB 230007	SPB 200013	2.6					110	50	106	48	101	42	109	39	103	30	116	39	95	29	109	37	
3	SPB 250016	SPB250016	SPB 230007	SPB 220010	6.3					112	57	106	45	94	34	113	27	100	28	113	36	99	28	107	34	
4	SPB 250026	SPB250026	SPB 230007	SPB 200024	5.0					114	58	106	47	99	41	115	36	90	30	111	39	99	28	106	37	
5	SPB 250030	SPB250030	SPB 230007	SPB 200031	4.8					112	58	103	47	88	43	126	35	101	30	115	39	96	29	109	37	
1	SPB 250008	SPB250008	SPB 230007	SPB 200023	8.6					88	59	112	48	105	43	102	39	100	31	107	41	98	30	102	39	
2	SPB 250013	SPB250013	SPB 230007	SPB 220006	8.0					130	59	101	47	75	41	111	34	102	32	107	39	96	30	102	37	
3	SPB 250014	SPB250014	SPB 230002	SPB 230017	4.0					89	57	113	47	97	37	99	34	103	34	104	39	98	32	99	38	
4	SPB 250022	SPB250022	SPB 230013	SPB 200008	3.7					122	59	98	48	89	42	98	38	103	30	101	40	91	28	95	38	
5	SPB 250024	SPB250024	SPB 230013	SPB 210024	5.0					80	58	130	46	106	37	85	32	89	29	100	38	107	28	97	36	
1	SPB 250020	SPB250020	SPB 230002	SPB 220022	6.6					82	59	105	49	111	42	99	39	95	36	95	42	92	32	90	40	
2	SPB 250028	SPB250028	SPB 230002	SPB 200028	2.7					96	60	102	50	101	46	98	43	97	36	95	43	91	32	89	41	

	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.

