

SUSSEX

BREEDING VALUE REPORT

September 2026



VIEDGE R & SONS

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The brand you need

L**OGIX**



EBVs, EBVi's and GEBVs

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

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

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

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

Selection Values

LOGIX Cow Value



Selecting for:

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

LOGIX Growth Value



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

LOGIX Carcass Value



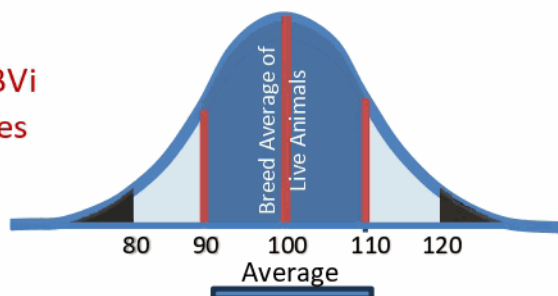
Select for more meat on the carcass as measured from end weight in Phase C and D Growth Tests and RTU scanning.

LOGIX Production Value

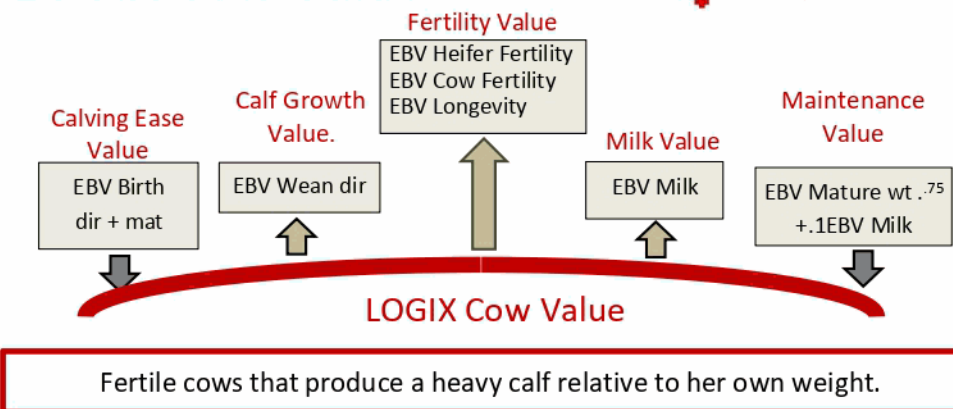


80% LOGIX Cow Value +
20% LOGIX Growth Value

Interpretation of EBVi and Selection Values



LOGIX Cow Value



How to use the Cow Value

Selection values should be compatible with your selection goal.

AVERAGE ANIMALS

(NO GROWTH EXTREMES)

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

GROWERS

(GOOD ENVIRONMENT)

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

LOW- MAINTENANCE ANIMALS

(HARSH ENVIRONMENT)

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

Examples

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

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

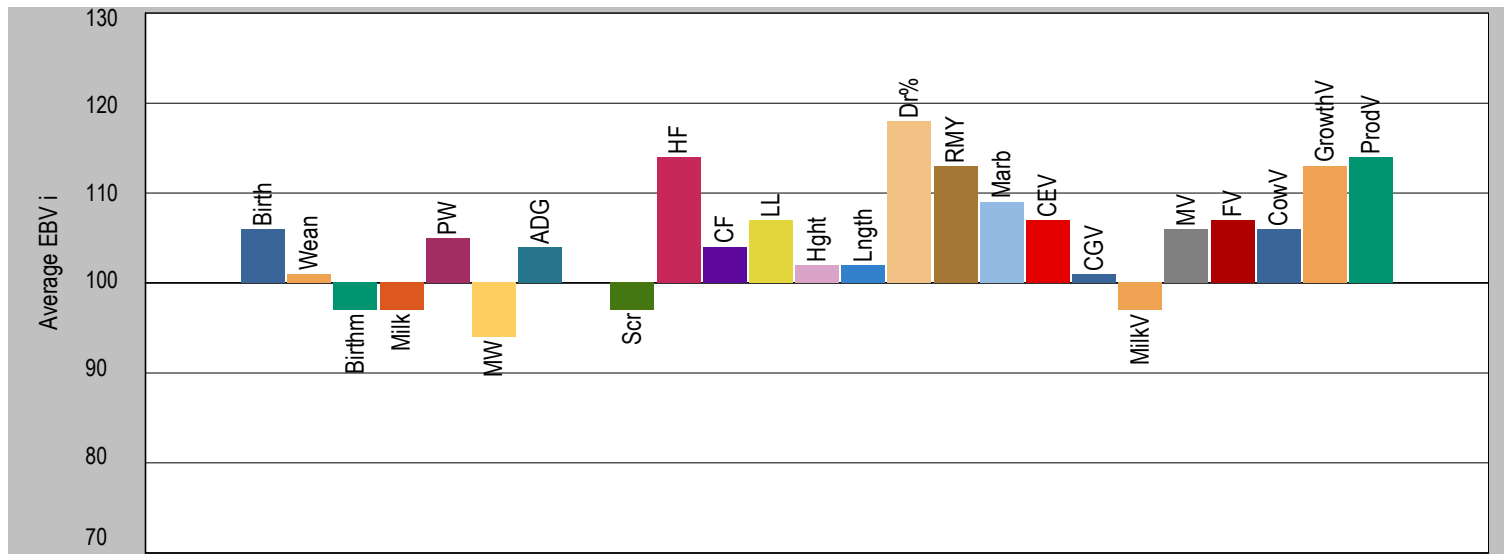
Larger groups result in more accurate and stable breeding values, as the mean and distribution of the group can be more accurately determined and are thus more representative. Groups should preferably have more than 5 animals. Weigh all the animals in the same group on the same day, as corrections for 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	0.53	106	1.09
	Wean Weight	16.0	101	15.4
	Birth Mat.	0.56	97	0.44
	Milk (Wn.Mat.)	5.3	97	6.2
Postwean Growth	Postwean Wt	34.0	105	29.9
	Mature Weight	19	94	26
	ADG	138	104	113
	FCR			-90
Fertility	Scrotal Circumf.	12.3	97	13.7
	Heifer Fertility	-13.1	114	-1.5
	Cow Fertility	-6.7	104	-5.8
	Longevity	29.9	107	24.9
Frame	Height	20	102	19
	Length	34	102	32
Carcass	Dressing%	0.39	118	-0.05
	RedMeatYield	4.3	113	0.4
	Marbling	0.12	109	-0.65

Selection Value	Ave. Herd
Calving Ease	107
Calf Growth	101
Milk	97
Maintenance	106
Fertility	107
Cow Value	106
Growth Value	113
Production Value	114

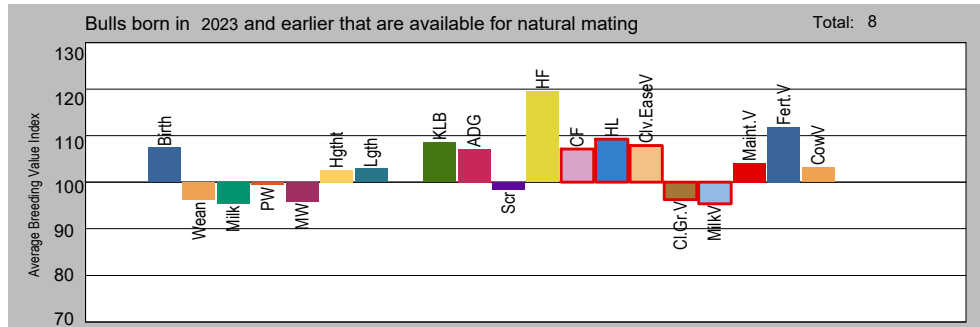
- Average of live animals in the breed: 100
- Above 100: **more favourable**,
- Below 100: **less favourable**

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

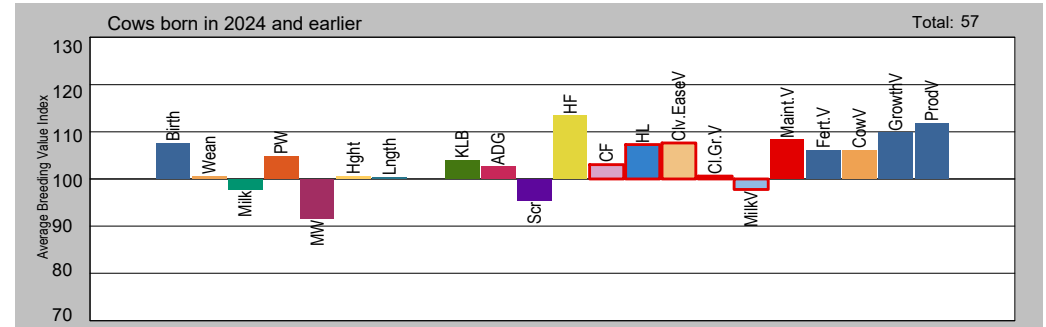
Genetic Windows

Bulls on the farm



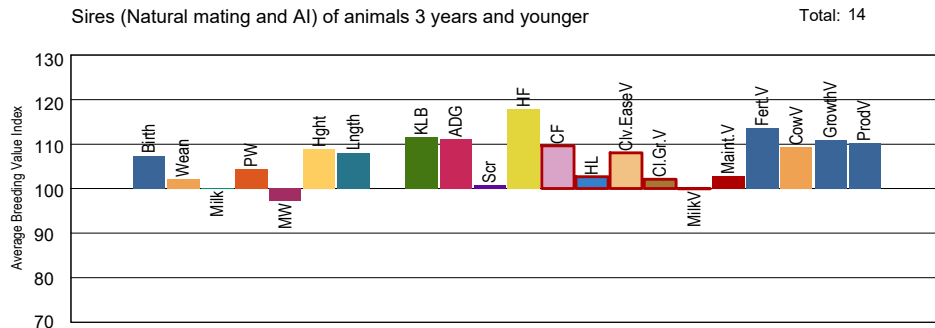
Animals available for breeding

Cow Herd

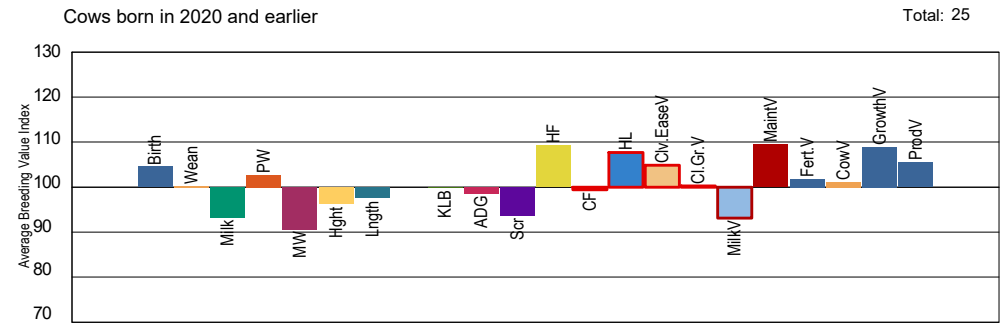


Results of previous selection decisions

Sires of young animals

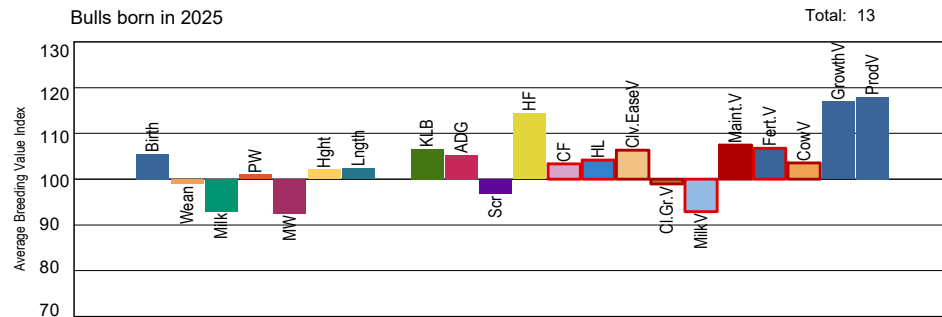


Cows older than 6 years

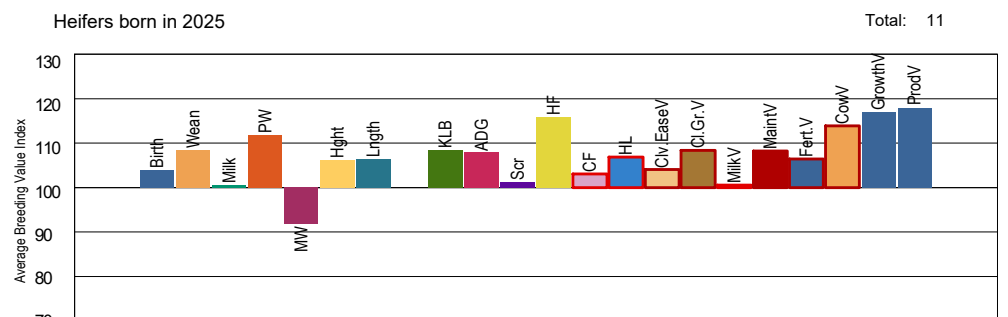


Selection possibilities

Bull calves



Heifer calves

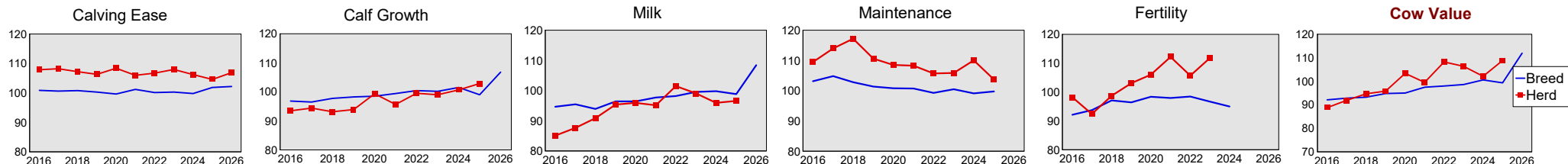


Summary of Cow Herd

			Selection Values (SV)								Calf Weight		Dam		Growth & Efficiency				Fertility				Frame			
Birth Year	No. Cows	Average Cow Value	Calving Ease	Calf Grwth	Milk	Maint.	Fertility	Cow Value	Growth Value	Prod Value	Birth Weight	Wean Weight	Birth Mat.	Milk (Wn.Mat)	Postwn Weight	Mature Weight	ADG	Kleiber	Scrotal Circumf.	Heifer Fertility	Cow Fertility	Longevity	Height	Length		
			Cows in Breed Average:								100	100	100	100	100	99	99	100	100	100	100	99	99	99	100	100
2016	3	★★★★	101	105	89	107	94	99			101	105	97	89	107	93	99	100	90	95	95	105	95	98		
2017	5	★★★★☆	104	104	96	109	91	104			105	104	93	96	110	91	97	97	98	89	93	107	96	99		
2018	3	★★★★	108	89	87	126	102	93			108	89	99	87	92	74	87	89	86	114	98	106	83	86		
2019	4	★★★★	104	98	89	111	108	97			102	98	110	89	97	90	96	99	88	119	103	110	91	93		
2020	10	★★★★☆	106	101	96	105	107	105	109	106	105	101	99	96	103	95	104	105	98	118	103	109	103	103		
2021	7	★★★★★	109	103	102	102	115	112	115	120	109	103	97	102	108	98	109	111	99	120	110	102	106	104		
2022	5	★★★★☆	107	98	102	112	110	108			108	98	93	102	104	88	102	105	91	123	104	100	98	95		
2023	12	★★★★★	110	102	103	105	111	112	108	114	110	102	95	103	107	95	108	109	99	115	108	110	106	106		
2024	8	★★★★☆	112	98	98	115	101	105			112	98	94	98	105	85	102	103	95	111	99	112	103	101		
2025	11	★★★★★	104	108	101	108	106	114	117	118	104	108	98	101	112	92	108	109	101	116	103	107	106	106		
2026	5	★★★★☆	105	105	97	105	107	107			105	105	95	97	110	95	103	105	97	110	105	107	98	100		
Cows in Herd Average:			106	101	96	110	105	105	112	115	106	101	97	96	105	91	101	103	95	112	102	107	99	99		

Genetic Trends for On-Farm Traits

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



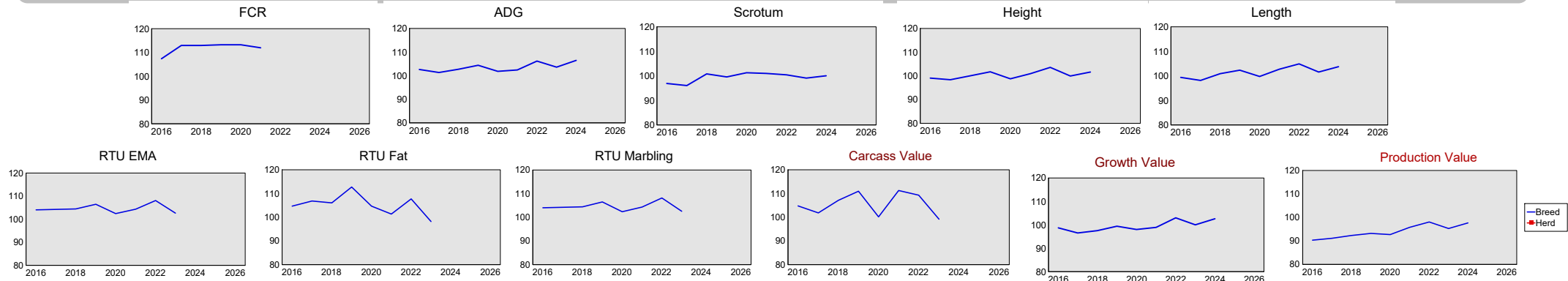
Herd

Birth Year	Calving Ease				Calf Growth			Milk			Maintenance					Fertility								Cow Value
	Birth Weight		Mat EBV	Calv. Ease	Weaning Weight		Calf Growth	Milk (Wn.Mat.)		Postwean Weight		Mature Weight		Mainte-nance	Heifer Fert.		Cow Fert.		Longevity		Ferti-lity			
	Number	Dir EBV			Number	EBV		Number	EBV	Number	EBV	Number	EBV		Number	EBV	Number	EBV	Number	EBV		Number	EBV	
2016	55	0.44	0.27	108	50	12.2	94	50	1.58	85	37	24.8	9	18	110	16	-1.3	10	-6.4	55	21.2	98	89	
2017	50	0.45	0.31	108	37	12.7	94	37	2.39	88	34	26.8	5	10	114	11	2.3	10	-4.2	51	24.6	92	92	
2018	45	0.49	0.54	107	36	12.0	93	36	3.38	91	29	26.4	6	3	117	10	-10.0	5	-5.1	44	22.9	99	95	
2019	40	0.55	0.43	106	32	12.4	94	32	4.80	95	28	24.7	3	-1	111	12	-13.1	7	-6.2	40	22.9	103	96	
2020	49	0.42	0.39	108	32	15.1	99	32	4.95	96	20	31.0			108	11	-12.5	8	-6.7	49	25.8	106	103	
2021	41	0.57	0.58	106	28	13.3	96	28	4.72	95	26	28.1			108	10	-14.0	6	-8.4	39	20.4	112	100	
2022	16	0.50	0.69	107	12	15.1	100	12	6.70	102	11	33.4			106	7	-11.7			3	14.2	106	108	
2023	39	0.40	0.59	108	28	14.9	99	28	5.94	99	25	32.2			106	6	-14.8					112	106	
2024	22	0.54	0.65	106	11	15.8	101	11	4.98	96	9	35.0			110								102	
2025	27	0.71	0.51	105	21	16.9	103	21	5.14	97	6	31.1			104								109	
2026	13	0.46	0.71	107																				

Breed

Birth Year	Calving Ease				Calf Growth			Milk			Maintenance						Fertility						Cow Value
	Birth Weight		Mat EBV	Calv. Ease	Weaning Weight		Calf Growth	Milk (Wn.Mat.)		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			
2017																								
2018																								
2019																								
2020																								
2021																								
2022																								
2023																								
2024																								
2025																								
2026																								

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	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.
FC 170066		CN 130004 TL 130015	115	103	115	96	124	123	125	123	116	103	87	115	113	104	122		96	131	117	93	124	110				76	59
FC170066			91	89	70	23	50	59	36	54	-0.29	17.0	0.97	10.8	41.0	30	228		11.8	-27.0	-9.8	20.1	37	45				11	12
											92	89	73	70	81	23	64		72	66	34	68	74	71					
FC 180084		CN 120034 TL 110010	98	93	91	107	108	90	90	88	99	93	95	91	91	93	101		96	101	109	77	80	90	104	107	103	46	27
FC180084			88	85	64	22	48	56	36	52	1.21	11.9	0.67	3.4	21.9	18	121		11.7	-2.5	-7.8	8.5	4	20	0.20	1.14	-0.38	3	3
											90	85	65	64	75	22	64		72	59	36	66	74	71	15	12	12		
GMO 160047		MS 120012 GMO 100025	97	113	128	71	113	124			99	113	84	128	110	129	122		125	137	103	99	126	124				135	121
TIMMO			94	93	80	16	60	63			1.19	22.0	1.14	15.0	38.7	56	232		25.9	-31.5	-6.6	24.0	39	62				21	30
											95	93	83	80	88	16	23		26	77	43	73	26	25					
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	20
											95	89	80	76	75	40	62		68	69	46	74	66	64	34	29	28		
LP 160002		LP 130042 LP 110037	113	84	86	118	101	86			111	84	109	86	84	82	90		99	108	98	109	87	88				1	1
JUPITER 11TH			72	71	51	13	30	41			0.09	7.4	0.04	1.8	16.1	7	62		13.2	-8.2	-5.4	31.1	9	17				1	2
											74	71	51	51	62	13	18		21	40	20	51	21	20					
LP 160047		LP 130005 LP 090045	94	110	68	90	114	86	100	87	92	110	121	68	105	110	108		115	106	113	106	112	122				13	12
JUPITER 20TH			84	83	60	16	38	49	34	46	1.82	20.5	-0.45	-3.7	34.1	36	155		21.0	-6.1	-9.0	29.1	28	60				8	4
											86	83	61	60	70	16	60		68	51	26	62	70	67					
LP 170005		TL 140052 LP 100021	107	106	84	116	85	100			105	106	115	84	107	84	105		110	99	84	107	105	109				17	11
E 5 TH			81	76	60	18	37	48			0.67	18.6	-0.20	1.4	35.8	10	138		18.4	-0.7	-1.9	30.1	22	44				2	3
											83	76	60	60	66	18	15		19	50	24	59	19	18					
LP 200004		FC 170066 LP 150023	111	99	104	102	102	107	110	106	111	99	94	104	104	98	112		106	112	99	118	115	112				9	8
LP200004			77	73	49	13	34	43	20	38	0.13	14.7	0.68	7.4	33.3	24	176		16.8	-11.2	-5.4	37.6	30	47					
											79	73	51	49	58	13	36		41	46	21	53	42	40					
LP 200006		FC 170066 LP 120035	111	96	103	99	105	104			110	96	95	103	100	101	111		99	120	100	106	109	104				1	1
LP200006			73	73	51	15	32	43			0.17	13.7	0.63	7.1	30.2	27	172		13.3	-17.9	-5.7	29.4	25	38					
											75	73	51	51	62	15	33		38	44	21	52	39	37					
LP 200024		FC 170066 LP 170024	106	109	105	102	112	118			107	109	87	105	118	98	111		100	124	106	106	112	108				23	13
LP200024			81	77	46	13	30	42			0.50	20.0	1.00	7.7	45.2	23	172		13.5	-21.0	-7.1	28.9	28	42					
											84	77	49	46	61	13	31		36	41	19	51	37	35					
LP 200033		LP 170005 LP 160027	119	91	79	127	100	93			116	91	113	79	91	73	97		87	110	97	115	93	96				3	2
LP200033			74	69	44	14	24	38			-0.34	10.7	-0.13	-0.2	22.1	-2	97		7.4	-9.8	-4.9	35.4	13	27					
											77	69	43	44	57	14	14		19	35	14	48	19	18					

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																												
LP 220002		FC 180084 LP 170024	105	95	94	112	103	98			105	95	90	94	99	88	98		95	110	101	102	87	94				13	5
JV LEGACY 202			76	63	45	14	28	38			0.61	13.1	0.86	4.4	28.9	13	102		11.4	-9.5	-6.0	26.2	9	24					
											78	63	47	45	48	14	31		36	38	19	48	37	35					
LP 220005		FC 170066 LP 150017	100	102	101	93	125	106			101	102	89	101	106	107	114		102	133	117	110	116	111				1	1
JV LEGACY 2205			73	72	52	13	32	42			1.01	16.6	0.89	6.4	35.3	33	189		14.7	-28.7	-9.9	31.9	31	46					
											75	72	53	52	58	13	34		39	43	20	48	39	38					
LP 220009		FC 170066 LP 130008	101	108	93	107	110	107			99	108	108	93	107	93	112		104	117	106	103	111	106				5	4
JV LEGACY 2209			75	73	53	15	32	43			1.14	19.2	0.09	4.1	35.9	18	176		15.5	-15.1	-7.1	27.1	27	40					
											77	73	53	53	63	15	32		37	43	21	50	38	36					
LP 220016		FC 170066 LP 140008	116	88	104	104	122	103	114	104	115	88	94	104	90	96	115		93	127	116	110	112	109				1	1
JV LEGACY 2216			74	72	54	20	35	45	21	40	-0.27	9.3	0.71	7.6	21.3	22	195		10.1	-23.8	-9.6	31.9	28	44					
											76	72	55	54	64	20	36		41	46	24	51	42	40					
PSS 144900		DSS 100059 PSS 111503	121	108	105	112	138	133	117	129	119	108	106	105	112	88	111		100	130	133	91	116	119	119	105	118	226	178
Mr Sparks			95	93	83	56	60	72	40	66	-0.60	19.3	0.19	7.8	40.5	13	173		13.8	-25.9	-13.7	18.3	31	56	1.94	0.93	0.94	26	29
											96	93	85	83	83	56	73		80	78	43	79	81	79	61	56	55		48
PSS 188252		PSS 144900 PSS 155943	100	124	93	115	107	125	126	125	98	124	121	93	121	85	128		118	110	104	105	137	136	140	110	112	119	92
Thunder 4 th			93	90	61	39	48	60	38	56	1.29	27.3	-0.43	4.1	48.0	10	260		22.6	-9.9	-6.8	28.2	46	77	4.42	1.50	0.36	12	5
											95	90	70	61	76	39	68		76	66	29	66	77	75	51	46	45		5
TL 110066		GA 080092 TL 070016	109	103	90	105	69	94	93	92	108	103	104	90	105	95	98		88	60	77	97	97	98				51	45
TL110066			89	87	74	30	52	61	21	53	0.38	16.7	0.26	3.0	34.3	21	104		7.7	30.9	-0.3	22.9	16	29					
											90	87	75	74	78	30	39		43	65	39	77	43	42				8	24
TL 110085		TL 070053 TL 060152	95	100	96	96	110	96	93	93	97	100	86	96	100	104	99	96	102	127	103	112	100	107	105	104	103	45	36
TL110085			90	88	81	27	60	64	36	58	1.36	15.4	1.04	5.1	29.8	29	109	-81	14.9	-23.7	-6.6	33.5	19	41	0.22	0.80	-0.36		
											91	88	81	81	81	27	55	13	58	72	49	78	58	57	29	24	25	12	33
TL 140052		TL 090061 TL 050163	107	94	77	132	89	90			107	94	99	77	98	68	91		86	110	85	93	88	93				45	35
TL140052			89	86	76	25	50	59			0.47	12.6	0.50	-0.8	28.3	-7	65		7.0	-9.2	-2.2	20.1	10	23					
											90	86	77	76	77	25	27		33	62	37	74	34	32				9	23
TL 150071		TL 070054 TL 090017	107	94	114	103	99	107	92	102	108	94	88	114	96	97	101		84	120	93	93	93	96				52	42
TL15071			89	87	76	27	53	61	20	53	0.39	12.4	0.95	10.5	26.7	23	119		5.8	-17.6	-4.1	20.3	14	27					
											90	87	77	76	80	27	37		41	63	43	73	41	40				13	22
TL 160068		TZ 130139 TL 100143	100	93	95	111	94	91	100	91	98	93	111	95	89	89	103		84	118	89	97	93	86				11	10
TL160068			82	75	65	24	44	52	26	47	1.24	11.8	-0.02	4.6	20.5	14	131		5.9	-15.9	-3.0	23.0	14	15					
											84	75	63	65	67	24	48		52	54	35	64	52	51				2	4

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																													
LP 200024 91151217 LP200024	2	FC 170066 LP 170024	106 81	109 77	105 46	102 13	112 30	118 42				107 0.50 84	87 1.00 49	98 23 13	109 20.0 77	105 7.7 46	112 102 45	118 45.2 61	111 172 31		100 13.5 36	124 -21.0 41	106 -7.1 19	106 28.9 51	112 28 37	108 42 35			
LP 220002 93687184 JV LEGACY 202	3	FC 180084 LP 170024	105 76	95 63	94 45	112 14	103 28	98 38				105 0.61 78	90 0.86 47	88 13 14	95 13.1 63	94 4.4 45	97 68 41	99 28.9 48	98 102 31		95 11.4 36	110 -9.5 38	101 -6.0 19	102 26.2 48	87 9 37	94 24 35			
LP 220005 94039427 JV LEGACY 2205	2	FC 170066 LP 150017	100 73	102 72	101 52	93 13	125 32	106 42				101 1.01 75	89 0.89 53	107 33 13	102 16.6 72	101 6.4 52	100 75 46	106 35.3 58	114 189 34		102 14.7 39	133 -28.7 43	117 -9.9 20	110 31.9 48	116 31 39	111 46 38			
LP 230013 95782702 JV ETERNITY 313	4	LP 200004 LP 190037	98 70	102 65	94 40	102 6	109 24	99 34				97 1.34 72	102 0.35 40	98 24 6	102 16.6 65	94 4.2 40	98 69 37	102 31.4 52	109 161 16		104 15.6 20	112 -11.2 33	106 -7.3 14	118 37.5 40	109 25 21	109 44 19			
LP 230016 95719456 JV ETERNITY 316	7	LP 200033 LP 200001	125 69	84 66	77 36		102 15					121 -0.81 72	120 -0.39 34		84 7.3 66	77 -0.9 36		83 15.1 56			93 10.2 14	114 -12.7 25	98 -5.3 5	117 36.8 35	92 13 15	97 28 13			
LP 230023 95850293 JV ETERNITY 323	2	FC 180084 LP 200002	108 71	85 70	91 44	114 8	106 26	88 37				107 0.46 73	101 0.38 43	86 11 8	85 8.0 70	91 3.5 44	87 45 41	84 16.5 61	95 88 28		97 12.3 33	111 -10.6 37	103 -6.5 16	103 27.1 42	83 6 34	89 19 32			
LP 230029 95923991 JV ETERNITY 329	2	FC 170066 LP 160015	121 73	90 71	103 50	108 18	123 32	109 43				120 -0.73 75	96 0.60 51	92 18 18	90 10.3 71	103 7.3 50	98 70 46	97 26.9 62	111 173 34		98 12.5 39	127 -23.3 43	117 -9.8 20	107 29.8 47	110 26 40	107 40 38			
LP 230037 96507694 JV ETERNITY 337	2	FC 170066 LP 150006	100 72	103 71	98 51	98 10	115 32	104 41				101 0.99 74	91 0.80 52	102 28 10	103 16.7 71	98 5.7 51	100 75 44	106 34.7 62	112 177 33		98 12.8 38	125 -21.8 43	109 -7.8 21	111 32.4 48	112 28 39	108 43 37			
KB 240006 96780945 Timmo Exstasy's	2	GMO 160047 KB 200003	90 73	128 72	124 54	57 17	111 34	127 44				91 1.93 75	93 0.75 54	143 70 17	128 29.3 72	124 13.6 54	121 122 48	128 53.7 65	134 294 17		142 34.1 21	118 -16.2 45	107 -7.4 24	109 31.2 47	140 49 21	140 83 20			
LP 240005 97438113 JV REVIVAL 405	6	LP 200033 LP 140030	117 54	94 49	90 40	113 5	108 20	101 28				115 -0.22 55	109 0.04 41	87 12 5	94 12.5 49	90 3.0 40	93 58 31	96 26.7 41			99 13.1 9	115 -13.4 30	104 -6.7 10	117 36.7 41	97 17 10	102 35 8			
LP 240006 97438121 LP REVIVAL 406	6	LP 200033 LP 140030	117 54	94 49	90 40	113 5	108 20	101 28				115 -0.22 55	109 0.04 41	87 12 5	94 12.5 49	90 3.0 40	93 58 31	96 26.7 41			99 13.1 9	115 -13.4 30	104 -6.7 10	117 36.7 41	97 17 10	102 35 8			
LP 240007 97686596 JV REVIVAL 407	3	FC 180084 LP 180042	85 71	103 68	90 44	100 14	112 28	91 39				86 2.36 73	95 0.64 47	100 26 14	103 16.8 68	90 3.1 44	95 63 42	97 27.7 52	105 140 31		101 14.4 36	110 -9.6 39	110 -8.2 18	99 23.9 46	93 14 37	100 32 35			

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	Calv 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																														
LP 240016 98635014 JV REVIVAL 416	5	LP 200024 LP 190033		99 70	103 66	95 39		116 21					100 1.12 72	94 0.69 40		103 17.0 66	95 4.8 39	102 79 36		106 34.9 53	102 122 9		91 9.4 15	126 -22.5 30	110 -8.1 12	112 33.7 38	100 19 16	99 31 14		
LP 240017 97871628 JV REVIVAL 417	16	LP 200024 LP 200012		104 69	102 65	99 30							104 0.77 72	95 0.63 33		102 16.4 65	99 5.8 30			103 32.7 52			130 -25.7 20		112 33.2 27					
LP 240020 97989404 JV REVIVAL 420	2	FC 180084 LP 170036		101 72	101 69	88 50	110 18	112 30	98 42				101 1.04 74	103 0.33 48	90 16 18	101 15.8 69	88 2.4 50	95 64 46		102 31.4 60	102 124 30		103 15.1 35	107 -6.9 40	111 -8.4 20	100 25.1 46	91 12 36	99 31 34		
LP 240022 98043235 JV REVIVAL 422	4	LP 200024 LP 190035		104 70	100 66	95 39		106 21					104 0.72 72	96 0.62 40		100 15.4 66	95 4.8 39	99 72 36		103 32.2 47	103 131 11		92 9.6 16	123 -20.0 30	100 -5.8 12	114 35.1 38	101 20 17	101 33 15		
LP 250001 98157563 LP NITRO 501	2	LP 220009 LP 160023		99 70	112 52	95 45	103 12	100 26	108 34				98 1.26 72	103 0.32 44	97 23 12	112 21.3 52	95 4.7 45	107 90 36		114 41.7 45	110 167 17		103 15.3 21	106 -6.1 35	99 -5.5 16	111 32.4 42	110 26 21	108 42 20		
LP 250002 98405756 LP NITRO 502	2	FC 180084 LP 190015		106 57	91 56	85 43	116 13	100 26	89 34				105 0.67 58	111 -0.03 42	84 9 13	91 11.0 56	85 1.7 43	88 47 37		89 20.3 49	94 84 32		87 7.6 37	109 -8.8 34	97 -5.1 17	98 23.7 44	80 4 38	84 11 36		
LP 250004 98875099 LP NITRO 504	3	LP 220009 LP 190033		98 66	105 64	90 41	105 8	115 24	102 35				97 1.33 68	107 0.16 42	95 21 8	105 18.2 64	90 3.1 41	98 71 38		104 33.4 49	106 146 15		99 13.1 19	120 -18.1 32	111 -8.4 15	106 28.8 37	104 22 20	104 37 18		
LP 250007 98875123 LP NITRO 507	5	LP 220009 LP 200001		97 66	100 63	77 40		107 18					95 1.54 68	116 -0.26 39		100 15.6 63	77 -1.0 40			95 25.7 46	102 124 12		100 13.5 19	117 -15.2 29	103 -6.4 7	107 29.5 34	100 19 20	100 32 18		
LP 250008 98875131 LP NITRO 508	4	LP 220016 LP 200036		116 67	87 65	89 40		113 20					114 -0.16 69	110 0.03 39		87 8.8 65	89 2.7 40	85 41 36		86 18.0 47	104 135 13		93 10.4 17	125 -21.7 31	107 -7.5 10	111 33.0 35	102 20 18	102 35 16		
LP 250009 98875149 LP NITRO 509	4	LP 220005 LP 170009		103 68	99 66	98 41	97 9	98 22	98 35				104 0.74 70	88 0.96 42	103 29 9	99 15.1 66	98 5.6 41	97 68 39		104 33.4 50	106 147 15		96 11.7 20	101 -2.2 32	98 -5.2 13	105 28.3 38	107 25 21	104 37 19		
LP 250010 99071771 LP NITRO 510	3	LP 220002 LP 220007		108 63	97 60	102 33		110 17					108 0.35 66	89 0.90 33		97 13.9 60	102 6.9 33	103 83 32		102 31.9 36	103 131 16		95 11.3 21	123 -20.5 28	104 -6.7 6	101 25.6 32	97 17 22	98 30 20		
LP 250013 99603805 LP NITRO 513	6	LP 200024 LP 130039		106 68	96 64	85 41	121 15	105 22	96 35				104 0.70 70	107 0.14 44	79 4 15	96 13.7 64	85 1.4 41	93 59 40		99 29.1 38			94 10.9 6	117 -15.1 32	101 -6.0 11	101 25.3 40	96 16 8			

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	Calv 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																														
LP 250018 99818650 JV NITRO 518	1	PSS 188252 LP 200017	111 73	116 71	98 43	103 19	104 30	121 41	122 21	121 37	122 20	109 0.28 75	111 -0.03 47	97 22 19	116 23.2 71	98 5.7 43	112 103 44	119 46.1 49	123 234 36			114 20.6 41	113 -11.7 42	101 -6.1 17	104 27.7 42	128 40 42	125 64 40	128 2.99 21	108 1.31 18	109 0.15 17
LP 250023 99765000 LP NITRO 523	3	LP 200024 LP 190037	109 69	95 67	101 39	109 6	113 22	105 34				109 0.31 72	94 0.69 39	91 17 6	95 13.2 67	101 6.5 39	101 77 37	100 29.7 40	102 125 14			92 9.7 18	121 -18.5 31	108 -7.6 14	108 30.5 37	100 19 19	99 31 17			
LP 250024 99599912 LP NITRO 524	18	LP 220002 LP 220011	108 67	90 64	89 23							108 0.39 71	96 0.61 23		90 10.6 64	89 2.7 23		93 24.0 31						97 22.9 20						
LP 250026 99723199 LP NITRO 526	3	LP 200024 LP 210006	112 69	92 66	100 35	110 6	115 20	103 32				112 0.05 72	94 0.71 38	90 15 6	92 11.3 66	100 6.2 35	98 69 36	96 26.4 40	101 121 18			91 9.3 23	122 -19.2 29	110 -8.1 11	101 25.9 35	95 15 23	96 27 22			
LP 250028 99723215 LP NITRO 528	2	LP 200024 LP 160007	109 70	106 67	99 41	103 10	101 24	110 36				109 0.31 72	94 0.69 43	97 23 10	106 18.2 67	99 5.8 41	105 85 39	112 40.2 40	107 151 16			97 12.4 20	99 -0.7 34	101 -6.0 15	104 28.0 40	106 23 21	106 39 19			
LP 260002 6020548407 HIGHFIELD KING 602	15	LP 200024 LP 200008	102 67	104 51	103 28							103 0.80 70	83 1.15 33		104 17.4 51	103 7.1 28		111 39.1 40				92 9.9 5	125 -21.7 21		104 27.9 24	108 25 9				
LP 260006 6020842040 HIGHFIELD KING 606	2	LP 220002 LP 200009	98 67	102 47	99 34	102 11	106 19	103 28				100 1.12 69	84 1.13 38	98 23 11	102 16.6 47	99 6.1 34	103 81 31	107 35.5 38	106 143 21			97 12.1 25	111 -10.1 26	104 -6.7 12	103 27.1 34	102 20 26	101 33 24			
LP 260007 6020842057 HIGHFIELD KING 607	6	LP 220002 LP 190035	105 67	98 47	93 39		103 20					105 0.67 69	97 0.59 40		98 14.2 47	93 4.1 39	96 66 30	99 29.1 36	98 105 11			92 9.8 16	115 -13.3 29	99 -5.5 12	108 30.3 34	90 12 17	96 27 15			
LP 260008 6020842065 HIGHFIELD KING 608	27	LP 220002 LP 170024	100 64	102 36	93 9							101 0.99 67	88 0.95 23		102 16.3 36	93 4.1 9		107 35.5 9						105 28.4 8						
LP 260010 6020842081 HIGHFIELD KING 610	2	JS 160002 LP 230006	116 70	100 55	93 43	99 20	107 30	104 37				114 -0.11 72	110 0.00 47	101 27 20	100 15.5 55	93 4.1 43	95 62 39	104 33.3 46	104 135 31			94 10.9 35	87 9.5 41	111 -8.5 20	109 31.4 42	96 16 34	99 31 33	107 0.50 5		
LP 260011 6020842099 HIGHFIELD KING 611	5	LP 220002 LP 230025	112 65	96 46	102 32		116 17					112 0.00 68	89 0.90 35		96 13.6 46	102 6.8 32	101 76 27	103 32.3 37	104 137 16			96 11.9 22	126 -22.4 28	110 -8.2 6	106 29.4 31	99 18 22	100 33 21			
LP 260012 6020842107 HIGHFIELD KING 612	4	LP 220002 LP 230009	110 65	98 45	99 30		103 16					110 0.19 68	96 0.63 33		98 14.3 45	99 5.8 30	102 78 26	103 32.2 34	100 116 10			101 14.2 16	110 -9.2 27	101 -6.0 6	110 32.1 30	95 15 16	99 31 14			

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																													
LP 160007 86285509 JUPITER NOONIE	2	TL 110066 LP 090041	122 81	89 73	96 70	114 26	89 46	98 53				120 -0.72 81	99 0.48 75	86 11 26	89 9.9 73	96 4.9 70	94 60 56	94 24.8 57	94 80 25		82 5.0 28	77 17.3 59	94 -4.4 34	103 27.2 60	88 10 28	91 20 27			
LP 160023 84954908 JUPITER 13TH	2	TL 110066 LP 090033	96 80	116 77	97 75	98 27	91 46	110 55				97 1.41 81	97 0.55 74	102 28 27	116 23.5 77	97 5.3 75	110 97 60	120 47.5 66	108 157 24		103 15.2 28	95 2.9 59	92 -3.9 32	110 31.6 59	109 26 29	109 43 27			
LP 160040 84955137 LP160040	9	TL 110085 LP 130021	86 81	109 73	74 60	110 15	102 43	89 49				87 2.26 82	95 0.64 75	90 15 15	109 20.1 73	74 -1.7 60	91 55 49	107 36.1 64	94 80 28		86 7.0 31	113 -12.2 57	99 -5.5 29	101 25.8 60	89 10 31	95 25 31			
LP 170008 86475340 WINTERS PERCY	1	TL 110066 LP 110018	119 79	96 73	104 66	113 17	81 44	107 50				118 -0.51 80	94 0.68 72	87 12 17	96 13.3 73	104 7.6 66	106 88 52	104 33.6 66	94 82 20		100 13.8 24	68 24.9 56	88 -3.0 31	114 34.5 57	93 13 25	95 26 24			
LP 170009 86475456 WINTERS JOAN	2	TL 110066 LP 090039	102 77	101 74	95 68	102 23	72 44	93 52				103 0.82 78	86 1.04 68	98 24 23	101 16.1 74	95 4.6 68	98 71 55	107 35.7 66	97 97 24		88 7.8 28	68 24.7 55	78 -0.6 32	100 24.9 57	97 17 28	95 26 27			
LP 170013 86475415 WINTERS EXP	2	TL 110066 LP 100035	88 79	120 76	99 71	94 26	88 44	109 53				90 2.01 80	90 0.86 72	106 32 26	120 25.3 76	99 5.8 71	112 102 58	124 51.0 65	103 132 21		107 17.2 24	77 17.2 55	93 -4.1 32	101 25.7 58	105 23 24	107 42 23			
LP 170024 86475043 WINTERS JUPITER	3	TL 140052 LP 140018	99 80	106 74	93 65	116 24	99 42	105 51				100 1.09 81	86 1.03 71	84 9 24	106 18.5 74	93 4.0 65	106 89 54	113 40.8 65	94 81 18		94 10.9 21	119 -16.5 53	93 -4.2 30	108 30.5 56	93 13 22	97 28 20			
LP 170036 86475118 EXP 2 ND JOAN 410	5	TL 140052 LP 100015	114 79	98 78	90 77	120 32	114 42	106 55				112 0.04 80	109 0.08 72	80 5 32	98 14.5 78	90 3.0 77	98 71 62	103 32.7 64	96 90 9		100 13.7 16	115 -13.3 57	111 -8.4 27	111 32.7 57	94 14 17	99 30 15			
LP 180019 88673413 LP180019	3	TL 140052 LP 110037	129 79	74 75	75 72	150 25	97 34	85 49				125 -1.17 80	115 -0.18 72	50 -27 25	74 2.4 75	75 -1.6 72	77 22 57	79 11.9 66	73 -29 16		71 -0.1 20	117 -15.6 46	92 -3.9 23	104 27.9 56	67 -6 21	69 -7 19			
LP 180022 88673447 LP180022	3	TL 140052 LP 100035	101 76	96 73	84 63	121 18	94 38	91 48				102 0.95 77	95 0.66 64	79 4 18	96 13.4 73	84 1.3 63	93 58 51	99 28.8 64	94 81 14		98 12.9 19	102 -3.1 55	93 -4.1 22	106 29.5 55	94 14 19	97 29 18			
LP 180042 87988622 LP180042	4	TL 150071 LP 100011	95 78	98 71	103 62	107 22	114 39	103 48				97 1.38 79	87 0.98 71	93 18 22	98 14.6 71	103 7.0 62	104 84 52	98 28.2 54	95 85 18		88 7.7 21	123 -20.5 54	109 -7.8 24	107 29.7 56	89 10 22	92 22 21			
LP 190015 90596065 LP190015	3	TL 160068 LP 100048	115 74	89 71	80 60	125 18	92 29	88 43				111 0.12 75	128 -0.73 57	75 -1 18	89 10.1 71	80 0.0 60	85 41 50	87 18.7 64	87 46 24		79 3.5 27	117 -15.0 38	86 -2.5 20	107 29.9 50	79 3 27	77 3 26			

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ID Number Name																													
LP 190033 89871537 LP190033	5	TL 150071 LP 140013	98 77	101 72	89 66	107 17	121 40	99 48				98 1.30 78	103 0.31 68	93 19 17	101 15.9 72	89 2.9 66	95 64 52	99 29.4 58	96 94 21		88 8.0 24	125 -21.9 51	116 -9.5 30	108 30.6 53	92 13 24	96 27 23			
LP 190035 89871503 LP190035	5	TL 150071 LP 150006	99 77	104 73	90 66	104 13	102 40	98 48				98 1.27 78	103 0.30 68	96 22 13	104 17.4 73	90 3.0 66	97 68 51	102 31.8 59	99 108 21		88 8.1 25	119 -17.1 51	97 -5.0 30	114 34.5 54	94 14 25	98 29 24			
LP 190037 89871453 LP190037	2	TL 150071 LP 120001	102 75	99 73	95 68	106 17	116 43	101 50				102 0.94 76	104 0.26 65	94 20 17	99 14.7 73	95 4.5 68	97 68 53	98 28.3 57	102 124 21		96 11.6 24	113 -11.9 53	114 -9.0 33	110 32.2 55	98 17 24	101 34 23			
LP 200001 90997370 LP200001	4	LP 160047 LP 120034	109 76	91 60	69 63	106 7	105 38	78 42				106 0.59 77	124 -0.56 61	94 19 7	91 11.0 60	69 -3.4 63	71 10 43	86 17.8 50	95 88 32		100 13.7 37	115 -14.0 52	101 -6.0 23	110 32.2 50	92 13 38	98 30 36			
LP 200002 90997388 LP200002	10	LP 160002 LP 110036	120 74	85 72	96 62		105 32					118 -0.51 75	108 0.11 59		85 7.8 72	96 4.9 62		88 19.2 63				119 -16.8 49	100 -5.7 15	116 36.3 46					
LP 200008 90997438 LP200008	2	FC 170066 LP 100020	108 77	92 73	105 60	106 19	121 42	105 49	104 20	103 43		109 0.26 78	79 1.32 67	94 20 19	92 11.5 73	105 7.7 60	100 75 51	99 29.1 66	103 129 35		85 6.3 40	126 -22.4 55	115 -9.3 30	103 26.9 52	103 21 41	94 25 39			
LP 200009 90997446 LP200009	2	FC 170066 LP 090039	95 76	107 72	106 54	92 21	109 34	108 45	114 20	108 40		97 1.36 77	77 1.41 64	108 34 21	107 19.1 72	106 8.1 54	107 92 49	113 40.9 64	113 183 35		98 12.8 40	111 -10.8 45	107 -7.4 22	105 28.1 52	116 31 41	107 41 39			
LP 200012 90997461 LP200012	3	FC 170066 LP 160012	99 77	112 74	99 64	96 11	134 41	117 48				100 1.08 78	91 0.81 66	104 30 11	112 21.2 74	99 5.9 64	107 90 50	115 42.9 65	110 166 33		98 12.9 38	136 -30.4 54	127 -12.3 28	105 28.8 51	112 28 39	108 42 37			
LP 200017 91159632 LP200017	2	FC 170066 LP 130032	105 77	120 73	97 60	90 16	103 40	118 48				105 0.69 78	103 0.32 63	110 36 16	120 25.4 73	97 5.3 60	109 96 50	126 52.3 64	120 219 31		113 19.9 36	113 -11.9 55	100 -5.7 25	104 27.7 50	122 35 37	117 54 35			
LP 200020 91151225 LP200020	4	TL 150071 LP 130008	113 77	89 75	104 68	122 17	95 32	103 46				112 -0.01 78	100 0.46 65	78 3 17	89 10.0 75	104 7.5 68	104 84 53	90 20.9 66	91 68 19		83 5.7 22	115 -13.4 41	91 -3.6 24	105 28.7 54	83 6 23	86 14 21			
LP 200023 91150763 LP200023	3	TL 150071 LP 100035	104 76	101 73	120 63	106 20	97 42	117 49				105 0.64 77	86 1.04 65	94 19 20	101 16.1 73	120 12.4 63	119 119 52	107 35.5 66	99 110 19		98 12.6 23	114 -12.9 55	93 -4.1 30	108 30.7 54	96 16 23	99 31 22			
LP 200034 91150854 LP200034	5	LP 170005 LP 140008	100 76	109 69	91 59	108 18	100 38	105 46				100 1.12 77	101 0.40 62	92 17 18	109 19.7 69	91 3.3 59	103 81 49	109 37.6 60	111 174 16		106 16.4 19	114 -13.0 52	96 -4.8 25	120 38.8 49	108 25 19	114 50 18			

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ID Number Name																														
LP 200036 91374702 LP 200036	4	LP 170005 LP 140013	104 75	104 68	76 64	115 15	105 37	96 46				102 0.96 76	122 -0.50 60	85 10 15	104 17.5 68	76 -1.2 64	90 53 49	101 31.0 50	96 92 9			98 12.8 13	120 -17.7 51	100 -5.8 23	113 34.1 47	96 16 13	100 32 12			
LP 210006 92735109 JV 106	3	FC 180084 LP 180043	107 75	93 72	92 58	108 16	120 39	97 47				106 0.59 76	104 0.29 62	92 17 16	93 12.0 72	92 3.6 58	91 55 49	92 23.2 61	101 120 31			95 11.3 36	114 -12.9 52	118 -10.0 26	96 22.0 48	88 10 37	95 26 35			
LP 210011 92735141 JV 111	1	FC 180084 LP 110036	111 75	105 72	100 58	107 15	116 40	116 47				111 0.13 76	96 0.59 62	93 18 15	105 18.0 72	100 6.3 58	107 92 48	112 40.2 64	101 119 32			106 16.5 37	122 -19.5 54	111 -8.5 27	97 23.1 50	91 12 38	98 29 36			
LP 210013 92735158 JV 113	2	FC 170066 LP 130011	103 76	107 73	101 60	102 16	117 39	113 47				103 0.87 77	100 0.42 64	98 24 16	107 18.9 73	101 6.5 60	107 91 50	109 37.6 64	110 167 31			103 14.9 36	117 -15.6 54	113 -8.9 24	100 24.9 51	110 26 37	104 38 35			
LP 210022 92735232 JV 122	2	FC 170066 LP 160023	113 73	110 72	110 51	96 15	108 36	122 44				113 -0.04 75	91 0.82 51	104 30 15	110 20.2 72	110 9.5 51	114 106 46	119 46.4 64	116 200 33			101 14.4 38	112 -10.9 53	105 -7.0 20	102 26.5 49	118 32 38	111 47 37			
LP 210028 92735299 JV 128	2	FC 170066 LP 140008	114 77	104 74	109 61	103 20	127 41	122 49	115 21	120 43		114 -0.15 78	90 0.87 64	97 23 20	104 17.2 74	109 9.0 61	111 100 52	111 38.9 66	116 198 36			93 10.5 41	129 -25.0 55	121 -10.9 27	111 32.7 52	113 28 42	110 44 40			
LP 210029 92735307 JV 129	3	FC 170066 LP 140017	97 76	112 72	101 52	93 16	117 38	113 45				98 1.32 77	95 0.64 62	107 33 16	112 21.5 72	101 6.4 52	107 92 47	115 42.6 64	112 177 32			102 14.8 37	124 -20.7 53	112 -8.6 24	102 26.1 51	114 30 38	110 45 36			
LP 210033 92814979 JV LEGACY 133	2	FC 170066 LP 120035	118 76	92 59	104 51	102 15	99 38	103 42				117 -0.42 77	100 0.42 62	98 24 15	92 11.6 59	104 7.4 51	98 70 42	96 26.8 51	108 155 33			95 11.2 38	122 -19.7 53	92 -3.9 24	105 28.3 51	105 23 39	100 33 37			
LP 220004 94039419 JV LEGACY 2204	2	FC 170066 LP 160023	107 74	109 72	107 57	97 15	111 36	118 45				108 0.42 75	93 0.75 56	103 28 15	109 19.8 72	107 8.4 57	111 101 48	116 43.7 58	115 192 33			99 13.4 38	118 -16.3 53	106 -7.3 20	104 27.8 49	116 31 38	110 44 37			
LP 220007 94039443 JV LEGACY 2207	2	FC 170066 LP 190023	107 72	102 71	109 54	110 11	116 34	118 43				108 0.38 74	89 0.92 52	90 16 11	102 16.4 71	109 9.1 54	113 104 45	109 37.6 62	106 144 30			90 9.1 35	137 -31.4 52	107 -7.5 17	100 24.7 45	104 22 36	98 30 34			
LP 220008 94222296 JV LEGACY 2208	2	FC 170066 LP 130009	101 75	101 72	104 61	107 17	113 38	108 47				102 0.92 76	87 0.99 59	93 19 17	101 15.7 72	104 7.3 61	106 89 50	105 34.0 62	102 126 32			94 10.7 37	125 -22.1 54	107 -7.4 21	102 26.2 49	100 19 38	94 25 36			
LP 220010 94222312 JV LEGACY 2210	2	FC 170066 LP 130065	111 72	93 70	105 51	114 15	104 32	106 42				111 0.09 74	93 0.72 51	86 12 15	93 12.1 70	105 7.7 51	104 85 45	99 29.5 62	101 120 31			90 9.0 36	120 -17.9 43	98 -5.4 21	101 25.8 48	100 19 37	95 25 35			

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LP 220011 94222320 JV LEGACY 2211	2	FC 180084 LP 180019	111 74	87 72	83 58	131 16	105 34	90 45				110 0.21 75	102 0.34 56	69 -6 16	87 8.8 72	83 0.9 58	88 46 49	89 20.5 62	85 36 31		81 4.6 36	115 -13.3 49	101 -6.0 18	94 20.9 47	72 -2 37	78 4 35				
LP 230005 95550554 JV ETERNITY 305	10	LP 200004 LP 140030	120 68	94 65	105 41		108 19					119 -0.61 70	99 0.47 42		94 12.2 65	105 7.9 41		100 29.6 55			105 16.3 13	116 -14.6 31	105 -6.9 7	118 37.7 40	105 23 14	107 41 12				
LP 230006 95550562 JV ETERNITY 306	2	LP 200004 LP 160007	119 69	99 65	102 41	106 11	92 32	108 38				118 -0.50 71	96 0.62 51	94 20 11	99 14.8 65	102 6.7 41	103 81 39	106 35.4 54	105 141 19		98 12.5 23	85 10.5 47	96 -4.7 16	116 35.9 43	104 22 23	104 38 22				
LP 230007 95550570 JV ETERNITY 307	10	LP 200004 LP 130019	103 70	101 65	98 42	111 10	99 27	104 37				104 0.71 72	88 0.94 52	89 14 10	101 15.8 65	98 5.6 42	104 84 39	105 34.3 54	102 124 8		94 11.0 16	103 -3.7 46	98 -5.3 8	113 33.8 42	99 18 17	102 34 15				
LP 230009 95704243 JV ETERNITY 2309	3	LP 200004 LP 110036	118 72	99 66	104 45	108 10	103 32	113 39				117 -0.40 74	101 0.40 52	92 17 10	99 14.9 66	104 7.4 45	106 88 40	105 34.6 56	103 129 16		107 16.9 21	109 -9.0 48	101 -5.9 16	119 38.1 44	104 22 21	104 38 20				
LP 230020 95802906 JV ETERNITY 320	2	FC 170066 LP 130032	109 73	101 71	103 53	106 16	105 32	110 43				110 0.24 75	91 0.83 53	94 20 16	101 15.7 71	103 7.2 53	106 88 47	107 36.1 64	106 143 31		93 10.3 36	118 -16.3 44	101 -5.9 21	104 28.0 47	104 22 37	99 31 35				
LP 230021 95802914 JV ETERNITY 321	3	FC 170066 LP 140017	98 73	107 72	101 52	98 16	121 32	110 43				99 1.20 75	92 0.80 53	102 28 16	107 18.9 72	101 6.5 52	105 87 47	110 38.9 64	108 157 32		97 12.3 37	126 -22.8 43	116 -9.5 21	102 26.3 48	110 26 38	105 39 36				
LP 230022 95802922 JV ETERNITY 322	2	FC 170066 LP 140008	107 75	100 72	106 54	105 20	124 39	114 47	113 21	112 42		108 0.41 76	89 0.91 59	95 21 20	100 15.4 72	106 8.2 54	107 91 49	104 33.4 64	114 188 36		91 9.3 41	130 -26.1 54	117 -9.9 24	112 33.6 50	110 27 42	108 42 40				
LP 230024 95850301 JV ETERNITY 324	5	FC 180084 LP 200034	95 71	103 70	90 43	110 10	104 27	97 38				95 1.52 73	97 0.55 44	90 15 10	103 16.9 70	90 3.2 43	99 72 41	101 30.7 62	104 135 30		97 12.5 35	108 -8.3 37	102 -6.2 17	103 26.7 43	91 12 36	99 31 34				
LP 230025 95850319 JV ETERNITY 325	2	FC 170066 LP 150017	108 75	104 71	106 52	97 13	129 36	117 44				109 0.29 76	89 0.92 58	103 29 13	104 17.4 71	106 8.1 52	106 90 45	112 39.9 64	111 172 34		97 12.5 39	142 -35.3 52	119 -10.4 20	111 32.6 48	112 28 39	107 41 38				
LP 230026 95850327 JV ETERNITY 326	2	FC 170066 LP 170036	110 74	107 71	98 51	105 17	124 36	117 44				109 0.26 76	102 0.34 56	95 21 17	107 19.0 71	98 5.7 51	106 89 46	114 42.0 62	111 174 30		102 14.6 35	129 -25.3 52	117 -9.9 20	107 30.1 47	112 28 36	108 42 34				
LP 230033 96144142 JV ETERNITY 333	2	FC 170066 LP 200023	110 71	110 70	117 46	92 11	112 30	126 40				110 0.18 73	89 0.89 47	108 34 11	110 20.6 70	117 11.6 46	118 115 42	119 46.0 62	119 216 31		109 18.2 36	118 -16.5 41	108 -7.7 19	104 28.0 45	121 35 37	116 53 35				

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ID Number Name																													
LP 230034 96190921 JV ETERNITY 334	1	PSS 144900 LP 170008	122 74	100 72	106 53	112 25	110 35	120 46	103 21	116 41	105 25	121 -0.77 75	101 0.38 56	88 13 25	100 15.4 72	106 8.2 53	110 98 50	106 35.1 65	103 129 37		101 14.0 41	99 -0.4 47	111 -8.4 23	106 29.5 51	105 22 41	107 41 40	108 0.58 27	103 0.59 23	110 0.25 23
LP 240002 97347629 JV REVIVAL 402	3	LP 200004 LP 180022	106 54	97 51	94 38	111 6	98 22	99 29				106 0.54 55	95 0.67 39	89 14 6	97 14.1 51	94 4.4 38	98 70 32	101 31.0 42	103 128 14		102 14.9 19	107 -7.2 34	96 -4.8 11	113 34.1 40	104 22 20	104 38 18			
LP 240003 97347637 JV REVIVAL 403	3	LP 200033 LP 160007	125 69	87 49	89 40	120 8	94 22	96 30				123 -0.94 71	106 0.18 41	80 5 8	87 8.8 49	89 2.9 40	89 49 32	90 21.5 37	95 88 9		84 6.2 13	94 3.7 31	95 -4.7 13	110 31.9 39	90 12 14	94 24 13			
LP 240004 99575847 LP REVIVAL 404	4	LP 200004 LP 130039	118 70	85 49	88 42	121 16	101 25	92 33				116 -0.34 72	110 0.00 45	79 4 16	85 7.9 49	88 2.4 42	87 44 36	88 19.4 38	98 102 14		97 12.4 19	111 -10.1 35	98 -5.2 15	108 30.4 43	97 17 20	97 28 18			
LP 240008 97686604 JV REVIVAL 408	2	LP 200006 LP 170008	117 69	97 66	105 40	107 8	93 24	108 35				117 -0.40 71	94 0.71 42	93 19 8	97 13.9 66	105 7.7 40	104 85 38	105 34.1 56	102 122 17		98 13.0 21	94 3.6 34	94 -4.4 15	113 34.3 41	100 19 21	99 30 20			
LP 240010 97686620 JV REVIVAL 410	9	LP 200024 LP 180019	118 70	94 66	91 39	129 7						117 -0.38 72	99 0.48 40	71 -4 7	94 12.6 66	91 3.4 39	100 75 37	103 32.2 54				121 -18.8 22		110 32.2 36					
LP 240012 97871594 JV REVIVAL 412	15	LP 200024 LP 200008	110 68	97 65	107 28							111 0.14 71	83 1.18 33		97 14.1 65	107 8.4 28		105 34.2 52			88 7.9 5	126 -22.4 21		110 31.9 27	104 22 9				
LP 240015 99455479 JV REVIVAL 415	14	LP 200024 LP 200009	95 68	111 50	104 24							97 1.34 71	82 1.19 32		111 21.1 50	104 7.3 24		117 45.0 39			99 13.2 8	118 -15.9 12		110 32.3 27	114 30 11				
LP 240018 97871636 JV REVIVAL 418	4	LP 200024 LP 140008	105 71	119 68	109 47	104 18	117 28	132 40				107 0.51 73	82 1.20 47	96 22 18	119 24.9 68	109 9.1 47	123 128 44	130 55.3 52	113 182 23		98 12.9 27	120 -18.1 37	113 -8.8 19	118 37.9 44	109 26 27	111 47 26			
LP 250005 98875107 LP NITRO 505	4	LP 220009 LP 200002	109 66	103 64	96 39		108 18					107 0.45 68	108 0.10 38		103 16.9 64	96 4.9 39		105 34.2 48			104 15.7 5	116 -14.4 28	104 -6.7 7	109 31.3 32	101 20 7				
LP 250006 98875115 LP NITRO 506	3	LP 220009 LP 210011	108 66	109 64	102 38	109 6	113 22	120 33				108 0.39 68	99 0.49 40	91 16 6	109 19.8 64	102 7.0 38	113 104 36	114 42.0 48	105 138 19		102 14.9 23	120 -17.4 30	108 -7.8 13	101 25.4 34	99 18 24	100 32 23			
LP 250011 99259194 LP NITRO 511	2	LP 220002 LP 220004	107 64	102 60	101 35	105 6	107 18	109 30				107 0.43 66	92 0.80 35	95 21 6	102 16.6 60	101 6.6 35	105 86 34	108 36.9 34	106 147 19		97 12.4 24	114 -12.5 28	104 -6.8 9	103 27.0 33	101 20 24	102 34 23			

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ID Number Name																														
LP 250012 99262867 LP NITRO 512	2	LP 220002 LP 220012	119 64	91 60	102 35	113 8	105 20	106 31				119 -0.57 66	92 0.79 35	87 12 8	91 10.9 60	102 6.9 35	100 75 34		98 28.1 36	98 105 18		90 8.7 23	118 -15.7 29	101 -6.0 10	104 27.8 34	91 13 23	92 22 22			
LP 250016 99818635 JV NITRO 516	1	PSS 188252 LP 200023	101 73	114 58	106 44	111 20	102 30	121 38			113 20	100 1.08 75	103 0.30 48	89 15 20	114 22.1 58	106 8.1 44	120 121 41		114 42.3 50	113 185 34		108 17.6 39	112 -11.4 42	99 -5.4 19	110 31.6 44	117 31 40	117 54 38	120 2.02 21	106 1.01 18	109 0.09 17
LP 250017 99818643 JV NITRO 517	1	PSS 188252 LP 200020	100 73	112 71	96 46	117 19	101 28	115 41			109 18	99 1.20 75	111 -0.01 48	83 8 19	112 21.2 71	96 5.1 46	114 107 45		109 38.1 50	111 170 34		103 15.0 39	111 -10.8 38	98 -5.4 17	108 30.6 44	112 28 40	112 48 38	116 1.64 20	105 0.91 17	108 0.04 16
LP 250019 99599888 LP NITRO 519	15	LP 200024 LP 210028	113 69	103 66	108 28							113 -0.09 72	88 0.95 32		103 17.1 66	108 8.7 28			112 39.9 40			94 10.9 7	127 -23.2 20		113 33.8 25	110 27 11				
LP 250020 99599896 LP NITRO 520	16	LP 200024 LP 200012	101 69	113 66	101 30							102 0.90 72	90 0.88 33		113 21.9 66	101 6.7 30			119 46.3 39				129 -24.9 20		110 32.0 25					
LP 250021 99818668 LP NITRO 521	1	PSS 188252 LP 210013	100 73	118 71	97 43	108 19	112 30	120 41	117 21	118 37	117 18	98 1.25 75	111 -0.02 47	92 18 19	118 24.3 71	97 5.2 43	115 108 44		117 44.7 49	119 214 36		111 18.9 41	113 -12.2 42	109 -8.0 17	106 29.2 43	123 37 42	120 58 40	124 2.52 20	107 1.19 17	108 0.05 16
LP 250027 99723207 LP NITRO 527	2	LP 220002 LP 220008	96 68	103 65	97 36	109 9	109 20	103 33				98 1.32 71	89 0.91 36	91 16 9	103 16.8 65	97 5.2 36	103 83 37		105 34.5 36	100 116 19		95 11.3 23	117 -15.4 29	104 -6.8 11	105 28.1 34	94 14 24	95 25 22			
LP 250029 99723223 LP NITRO 529	3	LP 200024 LP 170013	91 70	124 67	100 41	94 8	101 22	117 35				92 1.77 72	90 0.87 41	106 32 8	124 27.2 67	100 6.2 41	116 111 39		130 55.6 42	111 173 15		109 18.1 19	98 0.1 31	101 -6.1 13	107 30.1 38	114 29 19	113 48 18			
LP 260001 6020352032 HIGHFIELD QUEEN 601	9	LP 200024 LP 180022	104 55	103 52	94 36							104 0.72 56	91 0.83 37		103 16.7 52	94 4.5 36			108 37.0 41				113 -12.0 27		106 29.2 32					
LP 260003 6020548415 HIGHFIELD QUEEN 603	2	LP 200024 LP 170008	104 68	108 52	102 39	108 6	96 22	112 30				105 0.68 70	91 0.82 41	92 18 6	108 19.2 52	102 6.8 39	111 99 32		115 42.5 42	103 127 15		100 13.7 19	96 2.0 31	97 -5.1 12	110 31.7 36	102 21 19	101 34 18			
LP 260004 6020548423 HIGHFIELD QUEEN 604	16	LP 200024 LP 210029	105 66	108 51	104 22							106 0.57 69	91 0.83 31		108 19.5 51	104 7.5 22			114 42.4 39				124 -20.8 18		104 27.5 23					
LP 260009 6020842073 HIGHFIELD QUEEN 609	2	JS 160002 LP 230007	99 70	107 55	88 43	102 19	110 30	101 37				98 1.23 72	107 0.14 47	98 24 19	107 18.8 55	88 2.5 43	97 68 39		107 36.1 46	102 126 29		93 10.1 34	95 2.4 40	112 -8.7 19	108 30.3 42	94 14 33	98 30 31			

Breeding Values and Accuracies: Cows

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

Inbreeding in red is high

Value <80Value >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		
LP 260013		LP 220002		112	98	98		114					112	96		98	98	101		104	105		98	120		105		99	101			
6020884448	6	LP 230026		65	46	32		14					0.02	0.61		14.5	5.6	76		33.5	138		13.0	-17.4		28.1		19	33			
HIGHFIELD QUEEN 613													68	34		46	32	27		36	6		15	27		30		16	14			

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 KB 240006	Timmo Exstasy's	GMO 160047	KB 200003	1.6	90 73	128 72	124 54	57 17	111 34	127 44			
					★★★★☆								
1 LP 200024	LP200024	FC 170066	LP 170024	2.2	106 81	109 77	105 46	102 13	112 30	118 42			
					★★★								
1 LP 220005	JV LEGACY 2205	FC 170066	LP 150017	2.4	100 73	102 72	101 52	93 13	125 32	106 42			
2 LP 230029	JV ETERNITY 329	FC 170066	LP 160015	1.7	121 73	90 71	103 50	108 18	123 32	109 43			
3 LP 230037	JV ETERNITY 337	FC 170066	LP 150006	2.4	100 72	103 71	98 51	98 10	115 32	104 41			
4 LP 240005	JV REVIVAL 405	LP 200033	LP 140030	5.9	117 54	94 49	90 40	113 5	108 20	101 28			
5 LP 240006	LP REVIVAL 406	LP 200033	LP 140030	5.9	117 54	94 49	90 40	113 5	108 20	101 28			
					★★★								
1 LP 220002	JV LEGACY 202	FC 180084	LP 170024	3.4	105 76	95 63	94 45	112 14	103 28	98 38			
2 LP 230013	JV ETERNITY 313	LP 200004	LP 190037	3.9	98 70	102 65	94 40	102 6	109 24	99 34			
3 LP 240007	JV REVIVAL 407	FC 180084	LP 180042	3.0	85 71	103 68	90 44	100 14	112 28	91 39			
4 LP 240020	JV REVIVAL 420	FC 180084	LP 170036	1.7	101 72	101 69	88 50	110 18	112 30	98 42			
					★★								
1 LP 230023	JV ETERNITY 323	FC 180084	LP 200002	1.6	108 71	85 70	91 44	114 8	106 26	88 37			

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 LP 240018	JV REVIVAL 418	LP 200024	LP 140008	4.0	105 71	119 68	109 47	104 18	117 28	132 40			
					★★★★★								
1 LP 210022	JV 122	FC 170066	LP 160023	1.7	113 73	110 72	110 51	96 15	108 36	122 44			
2 LP 210028	JV 128	FC 170066	LP 140008	2.1	114 77	104 74	109 61	103 20	127 41	122 49	115 21	120 43	
3 LP 230033	JV ETERNITY 333	FC 170066	LP 200023	2.2	110 71	110 70	117 46	92 11	112 30	126 40			
4 LP 230034	JV ETERNITY 334	PSS 144900	LP 170008	1.2	122 74	100 72	106 53	112 25	110 35	120 46	103 21	116 41	
					★★★★★								
1 LP 160023	JUPITER 13TH	TL 110066	LP 090033	1.6	96 80	116 77	97 75	98 27	91 46	110 55			
2 LP 200012	LP200012	FC 170066	LP 160012	2.7	99 77	112 74	99 64	96 11	134 41	117 48			
3 LP 200017	LP200017	FC 170066	LP 130032	1.7	105 77	120 73	97 60	90 16	103 40	118 48			
4 LP 200023	LP200023	TL 150071	LP 100035	2.9	104 76	101 73	120 63	106 20	97 42	117 49			
5 LP 210011	JV 111	FC 180084	LP 110036	1.5	111 75	105 72	100 58	107 15	116 40	116 47			
6 LP 210013	JV 113	FC 170066	LP 130011	1.9	103 76	107 73	101 60	102 16	117 39	113 47			
7 LP 210029	JV 129	FC 170066	LP 140017	2.6	97 76	112 72	101 52	93 16	117 38	113 45			
8 LP 220004	JV LEGACY 2204	FC 170066	LP 160023	1.7	107 74	109 72	107 57	97 15	111 36	118 45			
9 LP 220007	JV LEGACY 2207	FC 170066	LP 190023	2.1	107 72	102 71	109 54	110 11	116 34	118 43			
10 LP 230009	JV ETERNITY 2309	LP 200004	LP 110036	3.4	118 72	99 66	104 45	108 10	103 32	113 39			
11 LP 230020	JV ETERNITY 320	FC 170066	LP 130032	1.7	109 73	101 71	103 53	106 16	105 32	110 43			
12 LP 230021	JV ETERNITY 321	FC 170066	LP 140017	2.6	98 73	107 72	101 52	98 16	121 32	110 43			
13 LP 230022	JV ETERNITY 322	FC 170066	LP 140008	2.1	107 75	100 72	106 54	105 20	124 39	114 47	113 21	112 42	
14 LP 230025	JV ETERNITY 325	FC 170066	LP 150017	2.4	108 75	104 71	106 52	97 13	129 36	117 44			
15 LP 230026	JV ETERNITY 326	FC 170066	LP 170036	1.8	110 74	107 71	98 51	105 17	124 36	117 44			
					★★★★								
1 LP 170008	WINTERS PERCY	TL 110066	LP 110018	1.2	119 79	96 73	104 66	113 17	81 44	107 50			
2 LP 170013	WINTERS EXP	TL 110066	LP 100035	1.7	88 79	120 76	99 71	94 26	88 44	109 53			
3 LP 170024	WINTERS JUPITER	TL 140052	LP 140018	2.9	99 80	106 74	93 65	116 24	99 42	105 51			

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	
					★★★★								
4	LP 170036 EXP 2 ND JOAN 410	TL 140052	LP 100015	5.0	114 79	98 78	90 77	120 32	114 42	106 55			
5	LP 180042 LP180042	TL 150071	LP 100011	3.7	95 78	98 71	103 62	107 22	114 39	103 48			
6	LP 190037 LP190037	TL 150071	LP 120001	2.3	102 75	99 73	95 68	106 17	116 43	101 50			
7	LP 200008 LP200008	FC 170066	LP 100020	1.9	108 77	92 73	105 60	106 19	121 42	105 49	104 20	103 43	
8	LP 200009 LP200009	FC 170066	LP 090039	1.9	95 76	107 72	106 54	92 21	109 34	108 45	114 20	108 40	
9	LP 200020 LP200020	TL 150071	LP 130008	3.6	113 77	89 75	104 68	122 17	95 32	103 46			
10	LP 200034 LP200034	LP 170005	LP 140008	4.7	100 76	109 69	91 59	108 18	100 38	105 46			
11	LP 210033 JV LEGACY 133	FC 170066	LP 120035	1.8	118 76	92 59	104 51	102 15	99 38	103 42			
12	LP 220008 JV LEGACY 2208	FC 170066	LP 130009	1.7	101 75	101 72	104 61	107 17	113 38	108 47			
13	LP 220010 JV LEGACY 2210	FC 170066	LP 130065	1.7	111 72	93 70	105 51	114 15	104 32	106 42			
14	LP 230006 JV ETERNITY 306	LP 200004	LP 160007	2.3	119 69	99 65	102 41	106 11	92 32	108 38			
15	LP 230007 JV ETERNITY 307	LP 200004	LP 130019	10.1	103 70	101 65	98 42	111 10	99 27	104 37			
16	LP 240008 JV REVIVAL 408	LP 200006	LP 170008	2.0	117 69	97 66	105 40	107 8	93 24	108 35			
					★★★★☆								
1	LP 160007 JUPITER NOONIE	TL 110066	LP 090041	1.9	122 81	89 73	96 70	114 26	89 46	98 53			
2	LP 170009 WINTERS JOAN	TL 110066	LP 090039	1.9	102 77	101 74	95 68	102 23	72 44	93 52			
3	LP 180022 LP180022	TL 140052	LP 100035	3.0	101 76	96 73	84 63	121 18	94 38	91 48			
4	LP 190033 LP190033	TL 150071	LP 140013	4.9	98 77	101 72	89 66	107 17	121 40	99 48			
5	LP 190035 LP190035	TL 150071	LP 150006	5.1	99 77	104 73	90 66	104 13	102 40	98 48			
6	LP 200036 LP 200036	LP 170005	LP 140013	4.1	104 75	104 68	76 64	115 15	105 37	96 46			
7	LP 210006 JV 106	FC 180084	LP 180043	2.7	107 75	93 72	92 58	108 16	120 39	97 47			
8	LP 220011 JV LEGACY 2211	FC 180084	LP 180019	1.8	111 74	87 72	83 58	131 16	105 34	90 45			
9	LP 230024 JV ETERNITY 324	FC 180084	LP 200034	5.3	95 71	103 70	90 43	110 10	104 27	97 38			
10	LP 240002 JV REVIVAL 402	LP 200004	LP 180022	3.4	106 54	97 51	94 38	111 6	98 22	99 29			
11	LP 240003 JV REVIVAL 403	LP 200033	LP 160007	3.0	125 69	87 49	89 40	120 8	94 22	96 30			
12	LP 240004 LP REVIVAL 404	LP 200004	LP 130039	3.7	118 70	85 49	88 42	121 16	101 25	92 33			
					★★★								
1	LP 160040 LP160040	TL 110085	LP 130021	8.9	86 81	109 73	74 60	110 15	102 43	89 49			

Selection List on Cow Value

Cows 2 years and older

ID Name Sorted on ID		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	
					★★★								
2	LP 180019 LP180019	TL 140052	LP 110037	2.8	12979	7475	7572	15025	9734	8549			
3	LP 190015 LP190015	TL 160068	LP 100048	3.0	11574	8971	8060	12518	9229	8843			
					★★★								
1	LP 200001 LP200001	LP 160047	LP 120034	3.8	10976	9160	6963	1067	10538	7842			

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 LP 250018	JV NITRO 518	PSS 188252	LP 200017	1.1	111 73	116 71	98 43	103 19	104 30	121 41	122 21	121 37	
					★★★★★								
1 LP 250028	LP NITRO 528	LP 200024	LP 160007	2.4	109 70	106 67	99 41	103 10	101 24	110 36			
					★★★★								
1 LP 250001	LP NITRO 501	LP 220009	LP 160023	2.3	99 70	112 52	95 45	103 12	100 26	108 34			
2 LP 250004	LP NITRO 504	LP 220009	LP 190033	3.0	98 66	105 64	90 41	105 8	115 24	102 35			
3 LP 250023	LP NITRO 523	LP 200024	LP 190037	3.3	109 69	95 67	101 39	109 6	113 22	105 34			
4 LP 250026	LP NITRO 526	LP 200024	LP 210006	3.0	112 69	92 66	100 35	110 6	115 20	103 32			
5 LP 260006	HIGHFIELD KING 606	LP 220002	LP 200009	2.0	98 67	102 47	99 34	102 11	106 19	103 28			
6 LP 260010	HIGHFIELD KING 610	JS 160002	LP 230006	1.9	116 70	100 55	93 43	99 20	107 30	104 37			
					★★★★								
1 LP 250009	LP NITRO 509	LP 220005	LP 170009	4.0	103 68	99 66	98 41	97 9	98 22	98 35			
2 LP 250013	LP NITRO 513	LP 200024	LP 130039	5.6	106 68	96 64	85 41	121 15	105 22	96 35			
					★★								
1 LP 250002	LP NITRO 502	FC 180084	LP 190015	2.4	106 57	91 56	85 43	116 13	100 26	89 34			

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	LP 250006	LP NITRO 506	LP 220009	LP 210011	2.5	108 66	109 64	102 38	109 6	113 22	120 33		
2	LP 250016	JV NITRO 516	PSS 188252	LP 200023	0.9	101 73	114 58	106 44	111 20	102 30	121 38		
3	LP 250021	LP NITRO 521	PSS 188252	LP 210013	1.2	100 73	118 71	97 43	108 19	112 30	120 41	117 21	118 37
					★★★★☆								
1	LP 250017	JV NITRO 517	PSS 188252	LP 200020	1.0	100 73	112 71	96 46	117 19	101 28	115 41		
2	LP 250029	LP NITRO 529	LP 200024	LP 170013	2.7	91 70	124 67	100 41	94 8	101 22	117 35		
3	LP 260003	HIGHFIELD QUEEN 603	LP 200024	LP 170008	2.4	104 68	108 52	102 39	108 6	96 22	112 30		
					★★★★								
1	LP 250011	LP NITRO 511	LP 220002	LP 220004	2.5	107 64	102 60	101 35	105 6	107 18	109 30		
2	LP 250012	LP NITRO 512	LP 220002	LP 220012	2.5	119 64	91 60	102 35	113 8	105 20	106 31		
3	LP 250027	LP NITRO 527	LP 220002	LP 220008	2.4	96 68	103 65	97 36	109 9	109 20	103 33		
4	LP 260009	HIGHFIELD QUEEN 609	JS 160002	LP 230007	2.0	99 70	107 55	88 43	102 19	110 30	101 37		

	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.

