

Angus

Genetic Evaluation

SA Stud Book

October 2024

Data extraction date: 20241017

Herd Number: 649357

INGRAM ANGUS
CYPHER FONTEIN
PO BOX 4
THORNHILL
6375



EBVs, EBVi's and Selection Values



Logix Cow Value

Selecting for:

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



Logix Growth Value

Selecting for efficient growers
on veld and feedlot



Logix Production Value

80% Logix Cow Value +
20% Logix Growth Value



Logix Genomics

- Identification
- Parentage
- Genomic Breeding Values
- Single gene testing

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. Note that a very high index is not always desirable. For certain traits, such as birth weight, average values are 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).

Blending of foreign EBVs/EPDs:

1. Sires: If the accuracies of local EBVs of a foreign sire are < 70%, his EBVs are placed on the same local percentile level as the percentile level in his country of origin. If the SA accuracy is for example 30%, then 30% of the SA value will be *blended* with 70% of the calculated foreign value. Where SA accuracy > 70%, values are based solely on SA data. (70% is roughly equivalent to about 30 measured progeny for a direct trait such as wean or 12 months and about 10 progeny weaned out of daughters of an imported sire for wean maternal).
2. Calves of foreign sires: EBVs of local progeny of foreign sires are also blended if the accuracy of the calf is between 45% and 60%. Mid-parent EBVs are calculated

for accuracies < 45% and if the accuracy is >60%, the breeding value is based solely on South African data.

Sub-values combine similar breeding values in a scientific manner to simplify the selection of animals. For example, HF (Heifer Fertility), CF (Cow Fertility) and Longevity 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.

LOGIX

CV: Cow Value

(Combination of EBVs based on measurements of cows and calves on the farm)

Selection Values	Calving Ease		Calf growth	Milk	Maintenance		Fertility		
	Birth Weight: Calf's genetic potential for weight at birth		Wean weight: Calf's genetic potential for growth	Milk (wean maternal): Milk and mothering ability of cow	Mature weight : Heavier cows have higher maintenance requirements		Heifer Fertility: Age at 1 st calving		
	Birth Mat: Cow's genetic ability to limit calf 's birth weight				0.1 x Milk: Higher milk increases maintenance requirements		Cow Fertility: ICP (inter-calving period) Longevity: Retention of family		
>120 (Green)			Heavier weaner calf	More milk	Lower maintenance (smaller cow)		More fertile and/or good retention		
80 - 120 (Grey)	Average birth weight		Average weaner calf	Average milk	Average maintenance (average cow size)		Average		
< 80 (Red)	Heavy Birth Weights (More difficult calving)		Lighter weaner calf	Less milk	Higher maintenance (Heavier cow)		Less fertile and/or culled early		
Breeding Values (EBVs)		Birth weight	Mat. birth weight	Weaning weight	Milk	Cow weight	Longevity	Heifer Fertility	Cow Fertility
Higher EBV		Heavier weight	Heavier weight	Heavier weight	More milk	Heavier weight	Family remains longer	Later calving	Longer ICP
Lower EBV		Lighter weight	Lower weight	Lighter weight	Less milk	Lighter weight	Family culled earlier	Earlier calving	Shorter ICP
Optimum EBV		Lower intermediate	Lower intermediate	Higher	Higher	Higher intermediate	Higher	Lower	Lower
Optimum EBVindex*		Higher intermediate	Higher intermediate	Higher	Higher	Higher intermediate	Higher	Higher	Higher

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

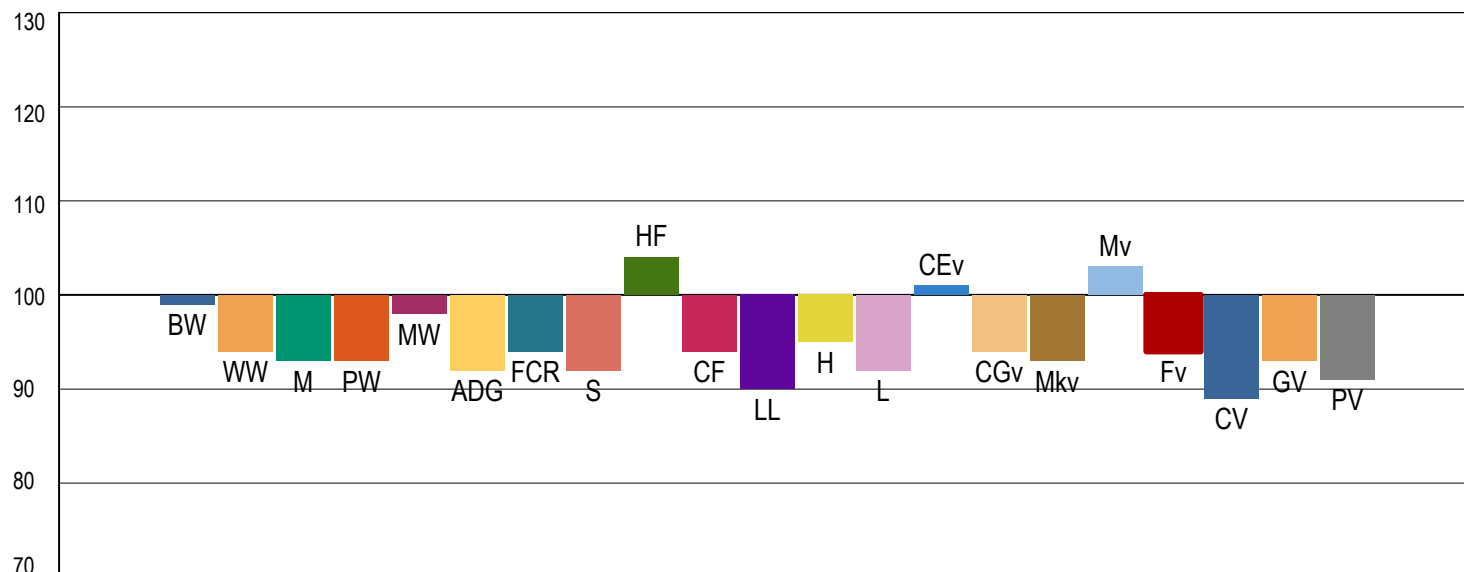
GV: Growth Value

(Combination of EBVs based on bulls measured in growth tests)

Breeding Values (EBVs)	ADG	Kleiber ratio	Feed conversion ratio	Scrotal circumference	Height	Length	Carcass
	Average daily gain	Growth efficiency	Feed conversion ratio	Bull fertility	Shoulder/Hip heigh	Body length	Dressing%, Red Meat Yield and Marbling
Higher EBV	More growth	More efficient on veld	Higher intake per kg gain	Larger scrotum	Taller animal	Longer animal	More
Lower EBV	Less growth	Less efficient on veld	Lower intake per kg gain	Smaller scrotum	Shorter animal	Shorter length	Less
Optimum EBV	Higher	Higher	Lower	Higher	Intermediate	Intermediate/high	Higher
Optimum EBV index	Higher	Higher	High	Higher	Higher intermediate	Higher intermediate	Higher

PV: Production Value is a combination of CV and GV)

Herd and Breed Averages



Breeding Value (EBV) and Breeding Value Index (EBVi):

BW	Birth Weight
WW	Weaning Weight
M	Milk
PW	Post-Wean Weight
MW	Mature Weight
ADG	Average Daily Gain
FCR	Feed Conversion Ratio
S	Scrotal Circumference
HF	Heifer Fertility
CF	Cow Fertility
LL	Longevity
H	Frame Score
L	Length

Selection Values

CEv	Calving Ease Value
CGv	Calf Growth Value
Mkv	Milk Value
Mv	Maintenance Value
Fv	Fertility Value
CV	Cow Value
GV	Growth Value
PV	Production Value

	Trait	EBV Herd	EBV Index	EBV Breed
Prewean Growth	Birth Weight	1.65	99	1.52
	Wean Weight	23.7	94	27.0
	Birth Mat.	0.29	102	0.37
	Milk (Wn.Mat.)	3.7	93	5.8
Postwean Growth	Postwean Wt	44.1	93	51.0
	Mature Weight	35	98	38
	ADG	169	92	207
	FCR	-67	94	-81
Fertility	Scrotal Circumf.	17.8	92	21.8
	Heifer Fertility	-4.2	104	-1.2
	Cow Fertility	-1.3	94	-2.5
	Longevity	17.4	90	22.8
Frame	Frame Score	0	95	0
	Length	36	92	44
Carcass	Dressing%	0.33	87	0.60
	RedMeatYield	3.6	90	6.0
	Marbling	0.71	106	0.27

Selection Value	Ave. Herd
Calving Ease	101
Calf Growth	94
Milk	93
Maintenance	103
Fertility	94
Cow Value	89
Growth Value	93
Production Value	91

- 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?:

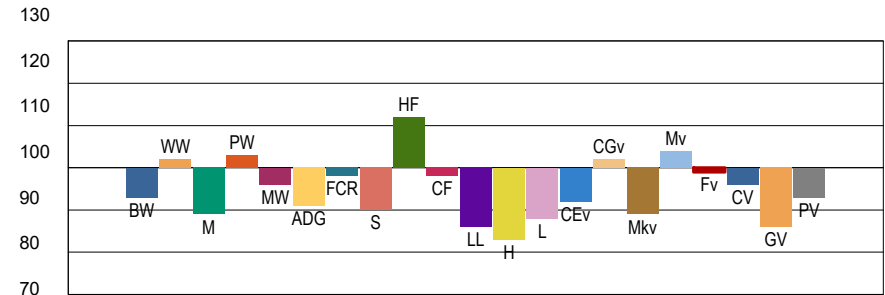
- Calving ease: Smaller calf at birth - easier calving
- Calf growth: Heavier calves at wean due to growth potential of the calf
- Milk: Cows with more milk and better mothering ability
- Maintenance: Animals with low maintenance requirements (lower mature weight).
- Fertility: Cows/daughters that calve

Genetic Window

Bulls on Farm

Bulls born in 2021 and earlier

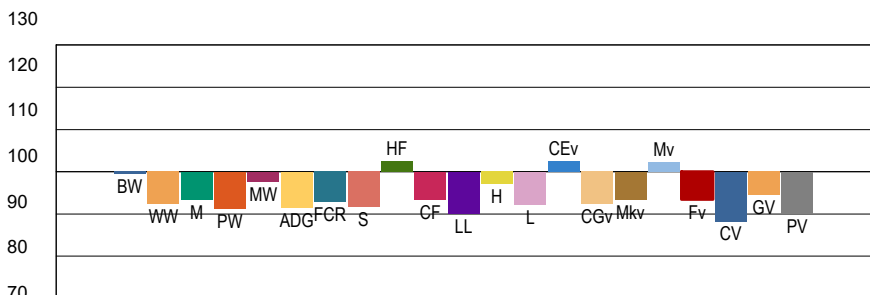
Number: 1



Cow Herd

Cows born in 2022 and earlier

Number: 7



Abbreviations

BW Birth Weight
WW Weaning Weight
M Milk
PW Post-wean Weight
MW Mature Weight

FCR Feed Conv. Ratio
S Scrotal Circumf.
HF Heifer Fertility
CF Cow Fertility
LL Longevity
H Frame Score
L Length

CEv Calving Ease Value
CGv Calf Growth Value
Mkv Milk Value
Mv Maintenance Value
Fv Fertility Value

CV Cow Value
GV Growth Value
PV Production Value

Sires of young animals

Sires of animals 3 years and younger

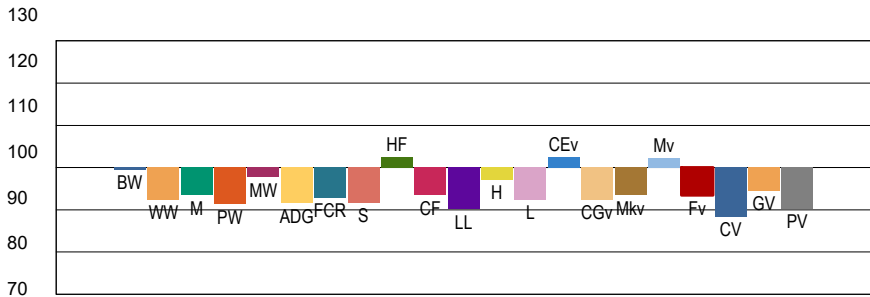
Number:



Cows older than 6 years

Cows born in 2018 and earlier

Number: 7



Bull Calves

Bull calves born in

Number:



Heifers

Heifers born in

Number:



Genetic Trends for On-Farm Traits

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

Herd

Birth Year	Calving Ease				Calf Growth			Milk			Maintenance				Fertility						Cow Value		
	Birth Weight		Dir	Mat	Calv. Ease	Weaning Weight		Calf Growth	Milk (Wn.Mat.)		Milk	12m weight		Mature Weight		Maintenance	Heifer Fert.		Cow Fert.			Longevity	Ferti- lity
	Number	EBV				Number	EBV		Number	EBV		Number	EBV	Number	EBV		Number	EBV	Number	EBV		Number	EBV

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.)			12m weight		Mature Weight		Maintenance	Heifer Fert.		Cow Fert.		Longevity		Fertility		
	Number	Dir EBV			Number	EBV		Number	EBV	Milk	Number	EBV	Number	EBV		Number	EBV	Number	EBV	Number	EBV		Number	
2015	6591	1.35	0.36	102	4645	23.4	93	4645	4.85	97	1819	39.3	635	33	102	1332	-1.6	1055	-2.1	6750	15.8	97	90	
2016	6110	1.44	0.38	101	4059	23.7	94	4059	5.06	97	1541	39.8	539	34	101	1011	-0.3	748	-2.2	6379	16.3	97	91	
2017	6170	1.43	0.40	100	4082	24.1	94	4082	5.29	98	1576	40.2	632	35	101	1073	-1.6	870	-2.3	6322	16.2	99	93	
2018	6109	1.44	0.36	101	4255	24.9	96	4255	5.06	97	1525	41.0	617	35	101	1043	-1.9	843	-2.3	6190	17.4	100	94	
2019	5839	1.45	0.35	101	4094	25.6	97	4094	5.43	99	1522	42.1	749	37	101	1119	-1.6	845	-2.5	5541	17.9	100	96	
2020	5706	1.45	0.39	100	4114	25.8	98	4114	5.78	100	1528	42.9	682	37	101	1108	-1.6	488	-2.3	3574	17.9	101	97	
2021	5948	1.47	0.39	100	4389	26.5	99	4389	5.73	100	1661	44.5	229	37	100	723	-1.9	93	-2.7			102	99	
2022	5859	1.55	0.34	100	4354	27.1	100	4354	5.60	99	1697	44.2	1	30	102	181	-1.4					103	101	
2023	6207	1.48	0.39	100	4185	27.2	101	4185	5.90	100	749	48.1			97								102	
2024	3912	1.53	0.34	100	137	29.5	105	137	7.70	107													108	

Genetic Trends for Growth Test Traits

Herd

Birth Year	Growth									Frame						Carcass Traits						Selection Values		
	FCR			ADG			Scrotal Circumf.			Frame Score			Length				Dressing%		RMeat Yield		Marbling		Growth Value	Prod Value
	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi	EBV	EBVi	EBV	EBVi		

Breed

Birth Year	Growth									Frame						Carcass Traits								Selection Values	
	FCR			ADG			Scrotal Circumf.			Frame Score			Length				Dressing%		RMeat Yield		Marbling		Growth Value	Prod Value	
	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi	EBV	EBVi	EBV	EBVi			
2015	38	-82	101	464	207	100	474	20.6	97	467	0	99	467	44	99	250	0.66	103	7.03	104	0.579	104	99	92	
2016	56	-79	99	600	211	101	606	21.3	99	600	0	102	600	46	102	357	0.65	103	6.62	102	0.364	101	101	94	
2017	11	-99	108	370	201	99	401	22.0	100	377	0	102	372	46	101	201	0.58	99	5.11	96	0.345	101	98	95	
2018	18	-80	99	401	207	100	406	21.7	100	402	0	102	402	47	103	158	0.59	99	5.94	100	0.234	100	99	97	
2019	11	-92	105	439	218	102	455	23.3	103	439	0	104	439	49	104	308	0.62	101	6.33	101	0.318	101	102	100	
2020	8	-107	112	566	224	104	486	23.6	104	562	0	105	562	49	105	445	0.69	105	7.06	104	0.377	101	103	100	
2021				612	231	105	543	25.1	107	612	0	106	612	51	107	383	0.73	106	7.45	106	0.446	102	105	103	
2022	7	-106	112	552	230	105	509	24.8	106	552	0	105	552	50	106	391	0.75	107	7.64	107	0.228	100	104	104	
2023	12	-113	115	290	248	109	235	26.1	109	293	1	107	292	53	109	266	0.80	110	8.12	109	0.722	106	106	108	

Percentile Table for Bulls (based on live animals)

%	Calf weight			Growth & efficiency				Fertility				Frame	
	Birth weight	Weaning weight	Milk (WW.Mat.)	Post wean	Mature weight	ADG	Kleiber	Scrotal circum.	Heifer Fertility	Cow Fertility	Longevity	Frame Score	Length
Mean	1.51	27.5	5.9	52.0	39	216	113	22.9	-0.2	-2.2	22.6	0	46
Top	-5.65	54.4	19.8	114.1	103	571	271	62.8	-30.3	-10.2	39.2	5	127
1	-1.85	44.4	13.7	83.0	75	381	203	39.7	-20.5	-7.0	33.9	3	81
2	-1.37	42.2	12.7	79.2	71	357	191	37.1	-18.4	-6.5	33.1	2	76
3	-0.95	40.7	12.2	76.2	67	338	182	35.2	-16.8	-6.2	32.5	2	73
4	-0.71	39.5	11.7	74.6	65	327	175	34.1	-15.4	-5.9	31.9	2	70
5	-0.51	38.7	11.3	73.2	63	316	170	33.3	-14.5	-5.7	31.5	2	69
6	-0.38	38.1	11.0	71.8	62	309	166	32.6	-13.8	-5.4	31.0	2	67
7	-0.25	37.3	10.7	70.5	61	304	163	32.0	-13.1	-5.3	30.7	2	66
8	-0.15	36.9	10.6	69.4	60	299	160	31.4	-12.4	-5.1	30.4	2	65
9	-0.03	36.5	10.3	68.7	59	294	156	31.0	-11.9	-5.0	30.0	1	64
10	0.04	36.0	10.2	67.7	58	290	154	30.6	-11.3	-4.9	29.8	1	63
20	0.62	32.8	8.7	62.3	51	261	138	27.7	-7.5	-3.9	27.9	1	56
30	0.97	30.8	7.6	58.3	46	242	129	25.8	-4.9	-3.3	26.5	1	52
40	1.27	29.0	6.7	55.3	43	227	120	24.2	-2.7	-2.8	25.3	0	48
50	1.53	27.4	5.9	52.0	39	213	112	22.7	-0.5	-2.2	24.0	0	45
60	1.78	25.7	5.1	48.8	35	199	104	21.2	1.6	-1.8	22.7	0	42
70	2.07	23.9	4.2	45.2	32	184	95	19.7	4.2	-1.2	21.1	0	39
80	2.44	22.0	3.2	41.2	28	166	85	17.8	7.2	-0.5	19.2	-1	36
90	3.01	19.0	1.6	36.2	21	145	73	15.6	11.5	0.5	14.3	-1	31
91	3.09	18.7	1.3	35.6	20	142	72	15.3	12.1	0.6	12.9	-1	31
92	3.17	18.2	1.1	35.0	19	139	70	14.8	12.6	0.8	10.9	-1	30
93	3.27	17.7	0.9	34.1	18	136	69	14.5	13.4	0.9	6.9	-1	29
94	3.39	17.1	0.7	33.3	17	132	67	14.0	14.0	1.0	4.4	-1	28
95	3.51	16.6	0.4	32.3	16	127	65	13.3	15.0	1.3	3.4	-2	27
96	3.66	15.9	-0.1	31.1	14	123	62	12.6	15.8	1.5	2.4	-2	26
97	3.81	15.1	-0.6	29.6	12	117	59	11.9	17.1	1.9	1.7	-2	24
98	4.10	14.1	-1.3	27.7	10	109	54	10.8	18.7	2.3	0.8	-2	22
99	4.55	12.0	-2.3	25.0	6	95	48	8.7	20.8	2.8	-0.2	-2	18
Bottom	7.47	2.4	-8.6	2.5	-15	-35	-23	-1.9	35.0	7.2	-10.7	-4	-4

Percentile Table for Cows (based on live animals)

%	Calf weight			Growth & efficiency				Fertility				Frame	
	Birth weight	Weaning weight	Milk (WW.Mat.)	Post wean	Mature weight	ADG	Kleiber	Scrotal circum.	Heifer Fertility	Cow Fertility	Longevity	Frame Score	Length
Mean	1.52	26.8	5.7	50.6	37	204	108	21.4	-1.6	-2.6	22.9	0	44
Top	-4.81	53.0	22.4	108.3	121	539	259	49.8	-50.7	-14.5	39.7	5	128
1	-1.87	42.3	15.0	79.2	77	353	190	35.9	-26.2	-11.2	34.8	2	76
2	-1.34	40.4	13.7	75.7	71	329	178	33.9	-22.9	-9.8	33.5	2	71
3	-1.03	39.1	13.0	73.7	68	316	170	32.7	-21.5	-9.0	32.7	2	69
4	-0.82	38.2	12.4	71.9	65	307	165	31.9	-20.0	-8.3	32.1	2	67
5	-0.60	37.4	12.0	70.5	63	299	161	31.2	-18.8	-7.6	31.6	2	65
6	-0.44	36.8	11.6	69.3	61	292	158	30.7	-17.8	-7.1	31.2	2	64
7	-0.29	36.3	11.3	68.4	60	287	155	30.2	-17.0	-6.8	30.9	1	63
8	-0.17	35.8	11.0	67.5	59	283	152	29.7	-16.2	-6.5	30.5	1	62
9	-0.08	35.4	10.7	66.7	58	279	150	29.3	-15.5	-6.3	30.1	1	61
10	0.02	35.0	10.5	65.9	57	275	148	28.9	-14.8	-6.1	29.9	1	60
20	0.63	32.1	8.8	60.5	50	249	133	26.5	-10.0	-4.7	27.7	1	54
30	1.01	30.2	7.6	56.9	45	232	123	24.6	-6.7	-3.8	26.1	0	50
40	1.32	28.5	6.7	53.6	41	216	114	23.0	-4.0	-3.1	24.9	0	47
50	1.59	26.9	5.8	50.7	37	203	107	21.5	-1.5	-2.5	23.6	0	44
60	1.85	25.3	4.9	47.6	33	189	99	20.0	0.9	-1.9	22.4	0	40
70	2.14	23.5	3.9	44.5	29	175	91	18.4	3.5	-1.2	21.0	-1	37
80	2.47	21.4	2.7	40.5	25	157	82	16.4	6.8	-0.4	19.2	-1	33
90	2.93	18.3	0.9	35.1	18	133	69	13.6	11.6	0.7	16.0	-1	28
91	3.00	17.8	0.7	34.3	17	130	68	13.2	12.3	0.8	15.3	-1	27
92	3.08	17.3	0.4	33.4	16	126	66	12.8	13.0	1.0	14.6	-1	26
93	3.17	16.9	0.1	32.5	15	122	64	12.3	13.7	1.2	13.6	-1	25
94	3.27	16.3	-0.2	31.8	13	117	62	11.8	14.6	1.4	12.1	-2	24
95	3.39	15.7	-0.6	30.6	12	112	59	11.0	15.5	1.6	9.9	-2	23
96	3.52	15.1	-1.0	29.3	10	106	56	10.1	16.7	1.9	6.1	-2	21
97	3.69	14.2	-1.6	27.5	8	99	52	9.2	18.2	2.3	3.4	-2	20
98	3.90	13.0	-2.2	25.2	5	89	47	7.9	20.3	2.8	1.9	-2	17
99	4.27	10.9	-3.5	21.6	0	74	38	5.7	23.7	3.6	0.0	-2	14
Bottom	7.47	-1.8	-12.9	-2.5	-39	-44	-30	-5.2	46.5	10.5	-8.7	-4	-17

Sires

Sire			Selection Values (SV / Acc)							Calf Weight		Mother		Growth & Efficiency				Fertility				Frame		Carcass			Measured Progeny		
ID Name	Colour	Sire ID Dam ID	Calf Ease	Calf Grwth	Milk Value	Maint. Value	Fertility Value	Cow Value	Grwth Value	Prod. Value	Birth Weight	Wean Weight	Milk Wn.Mat.	Comb Mat	12m wt	Mature Weight	ADG	FCR	Scrotal Circumf.	Heifer Fert.	Cow Fert.	Longevity	Frame Score	Length	Dress %	RMeat Yield			Marb-ling
			<75	75 - 125	>125	Breed average:					1.52	27.0	5.8	12.8	43	38	207	-81	21.8	-1.2	-2.5	22.8	0	44	0.60	6.0	0.27	Birth Grwth test	Wean Dght/Calv.
004 S A V 8180 TRAVELER 004	B	10D 8003	103 97	109 97	97 94	104 84	91 86	107 83	121 84	110 83	2.21 98	31.5 93	5.0 94	13.8 101	48 94	33 107	326 87	-142 79	29.5 89	4.7 91	-1.8 70	19.3 97	1 90	48 107	0.79 78	10.9 110	3.45 120	211 14	155 56
11X RED LAZY MC HONKY TONK 11X	R	26U 701T	104 96	98 97	83 93	104 84	93 88	91 83	100 72	91 81	0.50 98	26.0 111	0.9 93	9.2 88	48 90	34 106	257 78	-128 111	26.5 84	-10.1 91	0.4 78	15.8 95	-1 84	35 87	0.82 76	7.1 111	-1.07 105	245 14	198 63
ACM 120021 LEGACY 1221	B	8077 HR 020031	92 71	92 74	111 63	104 44	116 52	101 56	87 39	97 53	0.80 77	23.0 108	9.0 63	13.7 105	41 64	30 97	167 41	-38 91	12.7 44	-21.7 81	-4.6 55	18.7 66	-1 44	22 86	0.40 34	2.5 90	0.76 86	4 2	4 3
ACM 120033 LENNOX 1233	R	171T HR 070713	115 92	94 94	87 83	105 55	95 72	93 73	100 36	93 66	1.07 97	23.9 105	2.2 83	9.4 89	41 58	32 97	221 47	-89 103	22.0 50	-2.1 76	-5.2 53	9.4 88	0 50	44 95	0.67 38	6.1 103	-0.53 100	142 20	103 48
DE 060059 24 JAN	B	24J DE 020059	107 84	73 83	104 73	110 50	97 62	77 65	71 48	72 62	0.82 91	13.1 107	6.9 73	9.0 94	23 81	24 75	77 49	-39 71	8.3 51	-9.9 64	-2.0 38	13.9 84	-1 51	27 82	0.29 46	0.3 85	2.09 77	51 8	24 22
DJP 120164 DJP 120164	R	WB 080024 CP 023689	108 71	81 68	79 60	101 34	105 52	76 53	78 31	73 49	0.94 78	17.0 106	0.0 60	5.6 80	25 43	38 77	108 35	-42 78	17.3 37	-11.5 54	-0.2 39	26.3 64	-1 37	26 89	0.01 30	0.0 71	0.09 76	5 30	5 28
H 070264 371 7 264	B	H 030371 H 030353	100 75	84 80	103 65	110 46	70 52	75 59	77 26	72 52	1.45 83	18.6 101	6.7 65	10.6 97	29 76	25 82	121 32	-49 81	15.4 30	5.7 53	1.1 32	5.5 72	0 30	31 97	0.10 14	0.3 75	0.09 77	11 4	11 10
WB 070079 BOTTOMLINE	B	4200 WB 040068	108 83	119 82	94 65	103 61	90 70	118 66	144 63	125 65	2.39 92	36.8 91	4.2 65	15.0 102	60 62	33 122	353 70	-130 133	30.5 76	5.1 118	-2.1 72	17.7 86	1 78	50 116	0.39 69	12.6 90	0.88 127	51 1	20 2

Bulls

Inbreeding in red is high

EBV
Acc Index

Breeding values with an accuracy < 5% are not printed

Bull			Selection Values (SV / Acc)							Calf Weight		Mother		Growth & Efficiency				Fertility				Frame		Carcass							
ID Name	Colour % Inbr.	Sire ID Dam ID	Calf Ease	Calf Grwth	Milk Value	Maint. Value	Fertility Value	Cow Value	Grwth Value	Prod. Value	Birth Weight	Wean Weight	Milk Wn.Mat.	Comb Mat.	12m weight	Mature Weight	ADG	FCR	Scrotal Circumf.	Heifer Fert.	Cow Fert.	Longevity	Frame Score	Length	Dress%	RMeat Yield	Marb-ling				
			Breed average:							1.52	27.0	5.8	12.8	43.2	38	207	-81	21.8	-1.2	-2.5	22.8	0	44	0.60	6.0	0.27					
			<75	75 - 125		>125		Shaded EBVi					90-110	>100	>100	>100	>100	>100	>100	>100	>100	>100	>100	90-110	90-110	>100	>100	>100			
ACM 140027	R	11X	92	102	89	104	99	96	86	93	2.19	28.1	2.6	11.1	44.6	33	166	-78	17.2	-10.3	-2.1	15.3	-1	33	0.5	3.7	-0.26				
NAUTICA 1427		VL 120022	65	67	57	52	50	53	42	51	71	93	57	89	57	102	52	96	45	49	90	52	112	38	98	40	95	40	90	38	93

Cows

Inbreeding in red is high										EBV Acc Index		Breeding values with an accuracy < 5% are not printed																			
Cow			Selection Values (SV / Acc)							Calf Weight		Mother		Growth & Efficiency				Fertility				Frame		Carcass							
ID Name		Sire ID Dam ID	Calf Ease	Calf Grwth	Milk Value	Maint. Value	Fertility Value	Cow Value	Grwth Value	Prod. Value	Birth Weight	Wean Weight	Milk Wn.Mat.	Comb Mat.	12m weight	Mature Weight	ADG	FCR	Scrotal Circumf.	Heifer Fert.	Cow Fert.	Longevity	Frame Score	Length	Dress%	RMeat Yield	Marb-ling				
Colour % Inbr.	Breed average:										1.52	27.0	5.8	12.8	43.2	38	207	-81	21.8	-1.2	-2.5	22.8	0	44	0.60	6.0	0.27				
	<7575 - 125>125Shaded EBVi										90-110	>100	>100	>100	>100	90-110	>100	>100	>100	>100	>100	>100	90-110	90-110	>100	>100	>100				
AK 100173	B 1	WB 070079 WB 990978	108 64	102 57	96 52	101 47	89 49	100 49	110 42	101 48	1.57 71	28.0 99	4.6 52	12.4 96	45.9 46	36 103	224 46	-83 104	34 34	101 101	14.3 49	0.2 84	0.8 39	21.3 57	0 50	43 104	48 99	0.27 40	6.7 103	1.93 38	122
CNS 101092	B 1	DE 060059 SUMMIT MANDI HAR 020083	112 64	78 63	96 52	106 32	94 41	78 47	81 35	76 45	0.37 71	15.8 112	4.6 52	8.3 96	29.0 64	30 82	96 32	-40 94	35 75	33 81	6.8 37	-3.5 69	-1.7 26	16.5 57	-1 38	25 88	37 80	0.19 26	0.5 78	1.21 24	112
E 100024	B 11	H 070264 DUCHESS 10C H 070254	104 58	80 65	96 48	107 37	78 39	71 46			1.54 68	16.6 100	4.6 48	8.6 91	24.7 66	29 77	103 21	-45 77	11 83	15.6 21	1.0 41	2.1 25	13.0 51	0 21	28 94	20 83	0.00 11	-0.5 70	0.30 10	100	
E 100058	B 2	004 BUTTERCUP 10A CRE 080280	93 67	107 69	88 61	98 49	100 53	101 55	102 46	100 53	2.84 72	30.8 86	2.3 61	11.8 88	45.6 57	40 103	233 49	-104 106	42 111	25.9 49	-2.1 108	-2.9 55	21.3 61	0 49	41 103	48 97	0.48 40	7.0 104	2.46 40	128	
ACM 140053	B	ACM 120021 MILA 1453 ACM 110007	92 60	98 63	101 52	95 36	100 41	94 47	94 32	92 44	1.93 67	25.8 96	6.0 52	12.6 101	41.1 60	43 36	193 34	-56 97	28 88	19.6 35	-4.3 41	-3.5 31	17.4 51	0 35	41 96	34 97	0.49 30	4.9 94	0.19 29	99	
DJP 150322	R 14	DJP 120164 DJP 150322 DJP 110125	105 59	85 60	90 46	102 26	107 40	85 44	82 24	83 40	0.79 67	19.5 108	2.8 46	8.4 88	29.9 33	36 83	128 27	-47 82	19 84	18.9 28	-13.8 41	-1.3 30	24.3 48	-1 28	34 93	27 89	0.17 22	1.4 79	0.55 21	104	
DJP 170446	R 4	ACM 120033 DJP 170446 DJP 140272	103 62	97 58	87 51	107 35	86 45	89 46	98 27	89 42	1.95 68	25.3 95	2.1 51	9.8 87	41.1 40	29 35	207 33	-85 100	19 102	24.2 35	-0.5 49	-1.7 33	10.0 54	0 35	45 102	35 101	0.58 26	4.9 99	-1.08 25	82	

Selection List on Cow Values

Bulls 2 years and older

IDName			Sire IDDam 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	
Sorted on ID						★★★★								
1	ACM 140027	NAUTICA 1427	11X	VL 120022	0.0	9265	10267	8957	10452	9950	9653	8642	9351	

Selection List on Cow Values

Cows 2 years and older

ID	Name	Sire ID	Dam ID	% Inbreeding	Calving Ease Value	Calf Growth Value	Milk Value	Maint. Value	Fertility Value	Cow Value	Growth Value	Prod Value		
Sorted on ID					Acc	Acc	Acc	Acc	Acc	Acc	Acc	Acc		
					★★★★★									
1	AK 100173	AK100173	WB 070079	WB 990978	0.7	108 64	102 57	96 52	101 47	89 49	100 49	110 42	101 48	
2	E 100058	BUTTERCUP 10A	004	CRE 080280	2.0	93 67	107 69	88 61	98 49	100 53	101 55	102 46	100 53	
					★★★★									
1	ACM 140053	MILA 1453	ACM 120021	ACM 110007	0.0	92 60	98 63	101 52	95 36	100 41	94 47	94 32	92 44	
					★★★★★									
1	DJP 150322	DJP 150322	DJP 120164	DJP 110125	14.5	105 59	85 60	90 46	102 26	107 40	85 44	82 24	83 40	
2	DJP 170446	DJP 170446	ACM 120033	DJP 140272	3.6	103 62	97 58	87 51	107 35	86 45	89 46	98 27	89 42	
					★★★									
1	CNS 101092	SUMMIT MANDI	DE 060059	HAR 020083	1.3	112 64	78 63	96 52	106 32	94 41	78 47	81 35	76 45	
2	E 100024	DUCHESS 10C	H 070264	H 070254	10.6	104 58	80 65	96 48	107 37	78 39	71 46			

