

Droughtmaster

Genetic Evaluation

SA Stud Book

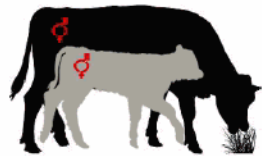
April 2025

Herd Number: 713550

THE LIZEKA TRUST
PO BOX 246
MACLEAR
5480



EBVs, EBVi's and Selection Values



Logix Cow Value

Selecting for:

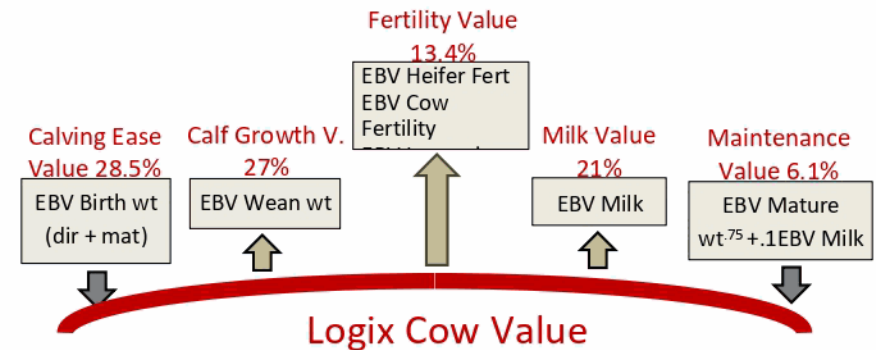
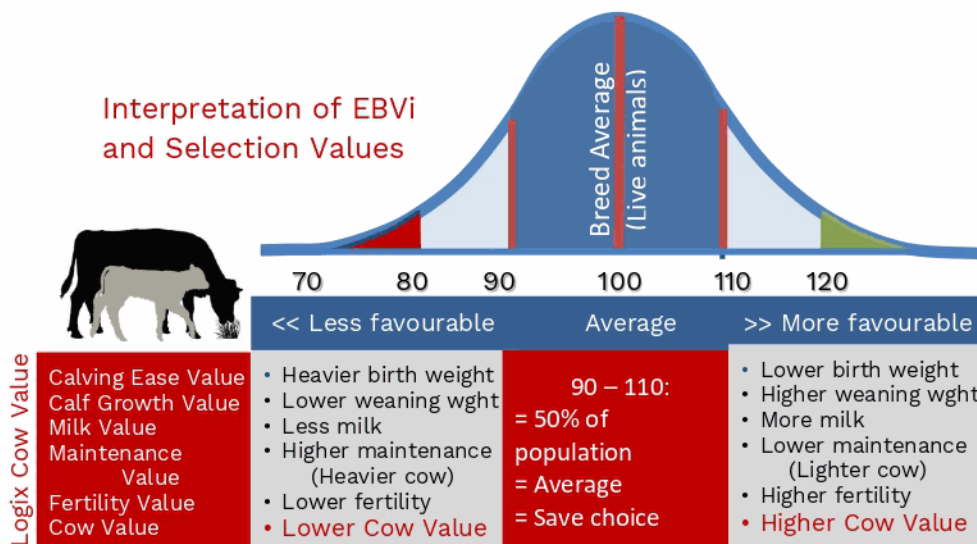
- fertile,
- low maintenance,
- easy calving cows
- with heavy weaners

EBVi (EBVindex): The average EBVi of all the live animals in the breed is 100, and all EBVi 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 may 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 (2017).

Selection 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 Fertility Value 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.

Cow Value combine relative selection 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.



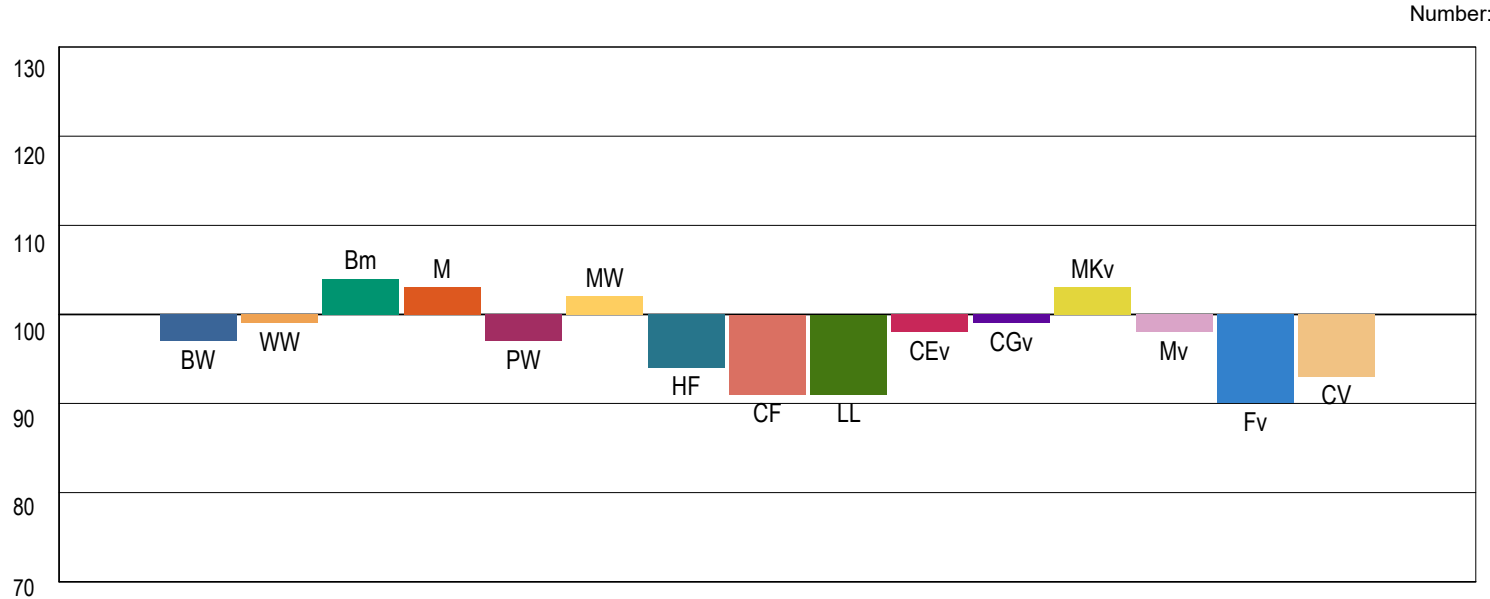
SABeefBulls.com
Profit through Genetics
- at your service

LOGIX



CERTIFICATE OF QUALITY
Valid up to
1 April 2024

Herd and Breed Averages



Abbreviations:

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

BW	Birth Weight
WW	Weaning Weight
Bm	Birth maternal
M	Milk
PW	Post-Wean Weight
MW	Mature Weight
HF	Heifer Fertility
CF	Cow Fertility
LL	Longevity

Selection Values

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

	Trait	EBV Herd	EBVi Herd	EBV Breed
Prewrite Growth	Birth Wt	0.18	97	-0.03
	Weaning Wt	1.05	99	1.7
	Birth Mat.	-0.21	104	-0.08
	Milk(Wn.Mat.)	0.9	103	0.1
Postwean Growth	Post wean Wt	0.2	97	1.6
	Mature Wt	1	102	0
Fertility	Heifer Fertility	22	94	11
	Cow Fertility	3	91	1
	Longevity	1	91	9

Selection Value	Avg. Herd
Calving Ease	98
Calf Growth	99
Milk	103
Maintenance	98
Fertility	90
Cow Value	93

- 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?:

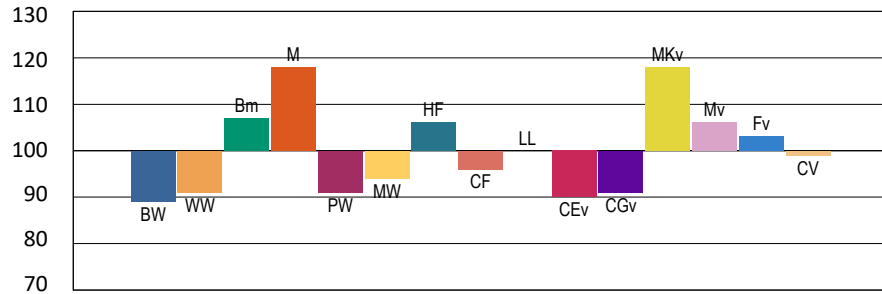
- Calving ease: Smaller calf at birth - easier calving
- Calf growth: Heavier calves at wean due to growth potential of the calf
- Milk: Cows with more milk and better mothering ability
- Maintenance: Animals with low maintenance requirements (lower mature weight).
- Fertility: Cows/daughters that calve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

Genetic Windows

Bulls on Farm

Bulls born in 2022 and earlier

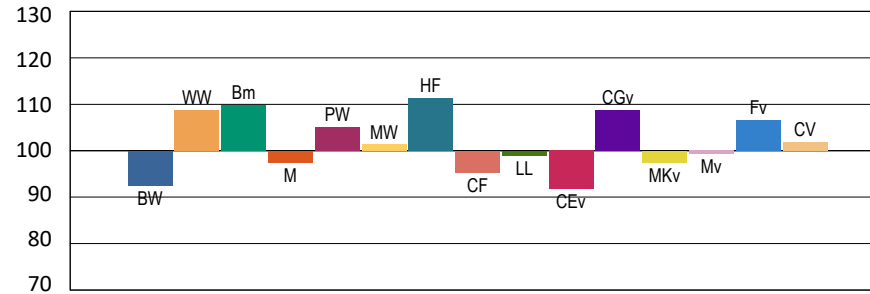
Number: 1



Cow Herd

Cows born in 2023 and earlier

Number: 4



Abbreviations

BW	Birth weight
WW	Weaning weight
Bm	Birth mat
M	Milk
PW	Post-wean weight
MW	Mature weight
HF	Heifer Fertility
CF	Cow Fertility
LL	Longevity

Sires of Young Animals

Sires of animals 3 years and younger

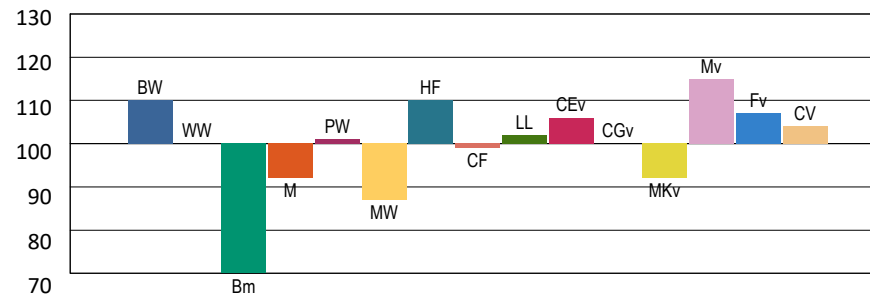
Number:



Cows older than 6 years

Cows born in 2019 and earlier

Number: 1



CEv	Calving Ease value
CGv	Calf Growth value
MKv	Milk value
Mv	Maintenance value
Fv	Fertility value
CV	Cow Value

Bull Calves

Bull calves born in

Number:



Heifer Calves

Heifers born in

Number:

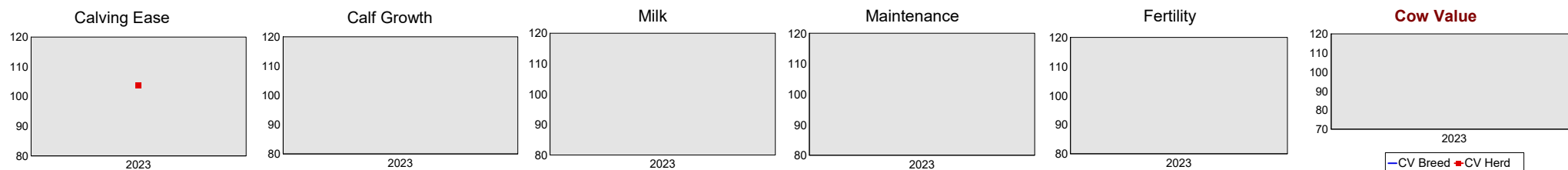


Summary of Genetic Merits of Cows in the Herd

			Selection Values (SV)						Calf Weight		Mother		Growth		Fertility		
Birth Year	Nr of cows	Avg Cow Value Star grading	Calv. Ease	Calf Grwth	Milk	Maint.	Fert.	Cow Value	Birth Weight	Weaning Weight	Birth Mat.	Milk (Wn.Mat.)	Post-wn weight	Mature weight	Heifer Fertility	Cow Fertility	Longevity
Avg Cows in Breed			99	100	100	100	100	99	99	100	101	100	100	100	101	100	99
2019	1	★★★★☆	106	100	92	115	107	104	110	100	69	92	101	87	110	99	102
2020	3	★★★★	95	106	95	94	107	99	93	106	128	95	98	106	112	93	98
2021	1	★★★★☆	89	118	102	84	108	108	88	118	111	102	115	115	115	95	94
2023	2	★★★☆☆	97	95	109	95	71	80	99	95	85	109	99	105	74	81	81
Avg Cows in Herd			97	105	100	97	98	98	98	105	98	100	103	103	103	92	94

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 (CV)	
	Birth Weight		Dir EBV	Mat EBV	Calv. Ease	Weaning Weight		Calf Growth	Milk (Wn.Mat.)		Milk	Postwean Weight		Mature Weight		Mainte- nance	Heifer Fert.		Cow Fert.		Longevity			Ferti- lity
	Number	EBV				Number	EBV		Number	EBV		Number	EBV	Number	EBV		Number	EBV	Number	EBV	Number	EBV		
2023	3	-0.25	0.03	104																				

Breed

Birth Year	Calving Ease				Calf Growth			Milk			Maintenance					Fertility						Cow Value (CV)	
	Birth Weight		Mat EBV	Calv. Ease	Weaning Weight		Calf Growth	Milk (Wn.Mat.)		Milk	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		
2016	703	0.14	-0.03	97	609	0.0	96	609	-0.22	99	227	-2.0	89	1	96	205	2.2	119	0.1	2348	-0.6	104	91
2017	824	0.00	0.00	99	650	0.0	96	650	0.00	100	313	0.0	138	0	96	257	0.0	174	0.0	2799	0.0	105	92
2018	946	0.02	0.03	98	718	1.1	99	718	-0.28	99	387	0.8	222	-2	98	255	0.7	179	0.2	2736	1.4	105	94
2019	986	-0.14	0.06	100	991	0.5	97	991	-0.41	98	609	-0.1	232	-2	100	271	0.4	197	0.4	2531	2.0	105	94
2020	1151	-0.12	-0.01	101	1179	1.2	99	1179	-0.54	98	822	1.2	238	-2	99	308	1.9	129	0.0	2727	1.8	105	95
2021	1365	-0.15	0.06	101	1401	1.7	100	1401	0.63	102	876	2.4	216	0	98	366	1.2	101	-1.8	402	5.4	107	98
2022	1843	-0.07	-0.02	100	1431	2.0	101	1431	-0.10	99	821	2.7	9	-5	99	199	6.7	2	-9.4			105	99
2023	2548	-0.09	0.00	100	1559	1.8	100	1559	0.14	100	891	1.8			96	4	0.8					108	99
2024	2485	-0.08	0.06	100	231	-0.4	95	231	0.53	102	42	-1.6			110								97
2025	123	-0.69	0.07	105																			

Sires

		<75	75 - 125		>125																							
Sire		Selection Values (SV)						Calf Weight		Mother		Growth		Fertility			Measured Progeny Number of Herds											
ID	Sire ID	Calving Ease	Calf Growth	Milk	Maintenance	Fertility	Cow Value	Birth Weight	Weaning Weight	Birth Mat.	Milk (Wn.Mat.)	Post-wean Weight	Mature Weight	Heifer Fertility	Cow Fertility	Longevity												
Reg. Nr	Dam ID	SV Acc	SV Acc	SV Acc	SV Acc	SV Acc	SV Acc	EBV Acc	EBVi	EBV Acc	EBVi	EBV Acc	EBVi	EBV Acc	EBVi	EBV Acc	EBVi											
		Breed Average:						-0.03	100	1.7	100	-0.08	100	0.1	100	1.6	100	0	100	11.4	100	1.3	100	8.8	100			
CASHMERE LEEROY (P) D3	+CASHMERE LEEROY (P) D3	105	101	112	83	94	103	-0.42	2.0	0.27	3.5	-2.0	13	9.8	5.8	2.1	1	18	15	27								
	+CASHMERE LEEROY (P) D3	71	82	74	22	48	64	72	105	82	101	69	89	74	112	59	93	22	116	47	101	12	79	85	92	1	2	3
C 110243	C 070361	106	106	81	113	107	103	-0.83	4.2	0.91	-5.2	3.5	-9	-9.8	2.2	8.8	32	35	50	94								
11-0243C	DO 060236	93	92	91	81	88	85	93	110	92	106	91	69	91	81	80	104	81	89	89	111	81	96	93	100	11	6	15
GRB 150120	GRB 110056	85	85	119	108	98	88	1.19	-4.6	-0.50	5.3	-7.2	-6	9.0	4.3	9.3		5	6	14								
15-0120GRB		44	69	69	23	41	52	44	84	69	85	45	113	69	119	60	83	23	93	31	101	14	86	77	101		1	3
HOT 150183	C 100450	108	104	104	101	99	108	-0.36	3.2	-0.34	1.2	7.1	-1	6.1	2.7	3.4	29	25	7	13								
15-0183HOT	DO 022064	82	82	71	51	60	69	85	104	82	104	72	108	71	104	62	111	51	100	65	103	36	94	80	93	2	2	2
VOVA170022	SWC 050100	54	139	98	84	101	94	3.63	17.9	-1.70	-0.4	16.2	12	12.7	2.4	17.0	42	45	7	7								
17-0022		80	87	62	20	47	65	87	53	87	139	52	150	62	98	79	128	20	115	57	99	10	95	74	110	7	6	3

Bulls

Bull			<75	75 - 125	>125	Breeding Values with an accuracy <5% are not printed.																			
			Selection Values (SV)					Calf Weight				Mother			Growth			Fertility							
ID	% Inbreeding	Sire ID	Calving Ease	Calf Growth	Milk	Maintenance	Fertility	Cow Value	Birth Weight	Weaning Weight	Birth Mat.	Milk (WnMat.)	Post-wn Weight	Mature Weight	Heifer Fertility	Cow Fertility	Longevity								
Bull Name		Dam ID	SV Acc	SV Acc	SV Acc	SV Acc	SV Acc	SV Acc	EBV Acc	EBVi	EBV Acc	EBVi	EBV Acc	EBVi	EBV Acc	EBVi	EBV Acc	EBVi							
			Breed Average:					-0.03	100	1.7	100	-0.08	100	0.1	100	1.6	100	0	100	11.4	100	1.3	100	8.8	100
Inbreeding >6% is high			Shaded EBVi:					90-110	>100	>100	>100	>100	>100	90-110	>100	>100	>100	>100	>100	>100	>100	>100	>100	>100	>100
RF 190036	1	GRB 150120	90 28	91 46	118 41	106 18	103 29	99 34	0.79	-1.9	-0.32	5.2	-3.0	-5	-0.5	2.2	8.8								
D-DEHOEK19-0036RF		RF 160012						★★★	28 89	46 91	27 107	41 118	33 91	18 94	23 106	14 96	49 100								
SIF 230001			89 28	99 23	106 16	88 5	72 14		0.89	1.1	-0.40	1.7	0.2	8	58.3		-4.0								
STANFORD IMPI SIF 230001		RED 200018							30 88	23 99	19 110	16 106	20 97	5 110	15 75		24 84								
SIF 230003			115 45	85 23	102 21	86 6	72 15	80 23	-0.96	-4.5	-0.01	0.6	-6.1	11	56.4		-7.7								
STANFORD IMPI CENTRA		RED 200017						★★★	49 112	23 85	27 98	21 102	16 85	6 113	14 76		27 79								
SIF 230004			108 46	84 31	111 23	98 15	68 19	80 28	-0.55	-5.0	0.07	3.0	-3.7	0	67.7	5.8	-6.5								
STANFORD IMPI JJ		RED 200033						★★★	50 107	31 84	29 95	23 111	28 90	15 101	19 70	11 79	26 81								

Cows

Cow			<75	75 - 125	>125	Breeding Values with an accuracy <5% are not printed.																				
			Selection Values (SV)						Calf Weight				Mother				Growth				Fertility					
ID	% Inbreeding	Sire ID	Calving Ease	Calf Growth	Milk	Maintenance	Fertility	Cow Value	Birth Weight	Weaning Weight	Birth Mat.	Milk (WnMat.)	Post-wn Weight	Mature Weight	Heifer Fertility	Cow Fertility	Longevity									
Name		Dam ID	SV Acc	SV Acc	SV Acc	SV Acc	SV Acc	SV Acc	EBV Acc	EBVi	EBV Acc	EBVi	EBV Acc	EBVi	EBV Acc	EBVi	EBV Acc	EBVi								
Inbreeding >6% is high			Breed Average:						-0.03	100	1.7	100	-0.08	100	0.1	100	1.6	100	0	100	11.4	100	1.3	100	8.8	100
			Shaded EBVi						90-110	>100	>100	>100	>100	90-110	>100	>100	>100	>100	>100	>100	>100	>100	>100	>100	>100	
HOT 190642	9	C 110243	106 55	100 54	92 54	115 46	107 49	104 49	-0.80	1.7	0.92	-2.3	1.9	-11	-7.9	1.6	10.2									
BRANDWATER RY 19-0642HOT		HOT 130073						★★★★☆	55 110	54 100	54 69	54 92	46 101	46 87	51 110	39 99	58 102									
RED 200017		RED 160005	112 58	101 45	88 41	84 11	109 29	103 39	-0.48	2.1	-0.87	-3.3	-3.5	13	-19.7	3.4	4.1									
BLACKWOODS RED THUTHUKA 20-0017RED								★★★★☆	60 106	45 101	49 124	41 88	32 90	11 116	28 117	7 91	53 94									
RED 200018		VOVA170022	64 57	122 46	93 32	88 10	110 28	91 38	2.34	10.7	-1.48	-1.9	6.1	9	-16.1	2.8	11.5									
BLACKWOODS RED THUTHUKA 20-0018RED		RED 160018						★★★	61 69	46 122	40 143	32 93	42 109	10 111	29 115	6 93	48 103									
RED 200033	3	HOT 150183	108 62	95 63	103 45	110 30	101 37	104 50	-0.26	-0.6	-0.59	1.0	-0.8	-7	2.8	2.6	6.7									
BLACKWOODS RED THUTHUKA LUCINDA 3		HOT 170395						★★★★☆	64 103	63 95	52 116	45 103	54 95	30 92	37 105	23 94	52 97									
RED 210056		HOT 150183	89 59	118 56	102 43	84 26	108 34	108 46	0.93	9.3	-0.43	0.7	9.3	12	-16.2	2.4	4.0									
BLACKWOODS RED ROUGHTMASTER SALLY 2		RED 160051						★★★★☆	61 88	56 118	49 111	43 102	34 115	26 115	34 115	19 95	50 94									
SIF 230002		RED 210056	88 45	101 28	112 22	86 13	71 17	80 26	0.77	2.0	0.02	3.4	3.8	10	58.2	5.8	-7.8									
STANFORD IMPI BISHOP								★★★	50 90	28 101	27 97	22 112	17 104	13 112	17 75	9 80	25 79									
SIF 230005		HOT 190642	105 28	88 27	105 27	103 23	71 25	80 25	-0.68	-3.4	0.80	1.5	-1.9	-2	62.3	5.3	-4.7									
STANFORD IMPI CRISTIE								★★★	28 108	27 88	27 73	27 105	23 93	23 98	25 73	20 82	29 83									

Selection List on Cow Values

Bulls 2 years and older

IDName 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	
						★★★★								
1	RF 190036	D-DEHOEK19-0036RF	GRB 150120	RF 160012	1.0	9028	9146	11841	10618	10329	9934			
						★★★★☆								
1	SIF 230003	CENTRA		RED 200017	0.0	11545	8523	10221	866	7215	8023			
2	SIF 230004	JJ		RED 200033	0.0	10846	8431	11123	9815	6819	8028			

Selection List on Cow Values

Cows 2 years and older

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	HOT 190642	RY 19-0642HOT	C 110243	HOT 130073	8.6	10655	10054	9254	11546	10749	10449		
2	RED 200017	THUTHUKA 20-0017RED		RED 160005	0.0	11258	10145	8841	8411	10929	10339		
3	RED 200033	THUTHUKA LUCINDA 3	HOT 150183	HOT 170395	3.4	10862	9563	10345	11030	10137	10450		
4	RED 210056	ROUGHTMASTER SALLY 2	HOT 150183	RED 160051	0.0	8959	11856	10243	8426	10834	10846		
					★★★★								
1	RED 200018	THUTHUKA 20-0018RED	VOVA170022	RED 160018	0.0	6457	12246	9332	8810	11028	9138		
					★★★★								
1	SIF 230002	BISHOP		RED 210056	0.0	8845	10128	11222	8613	7117	8026		
2	SIF 230005	CRISTIE		HOT 190642	0.0	10528	8827	10527	10323	7125	8025		