

Droughtmaster

Genetic Evaluation

SA Stud Book

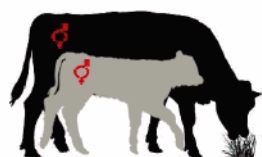
May 2025

Herd Number: 725717

MR N. NKWELO
03 WADE AVENUE
MACLEAR
5480



EBVs, EBVi's and Selection Values



Logix Cow Value

Selecting for:

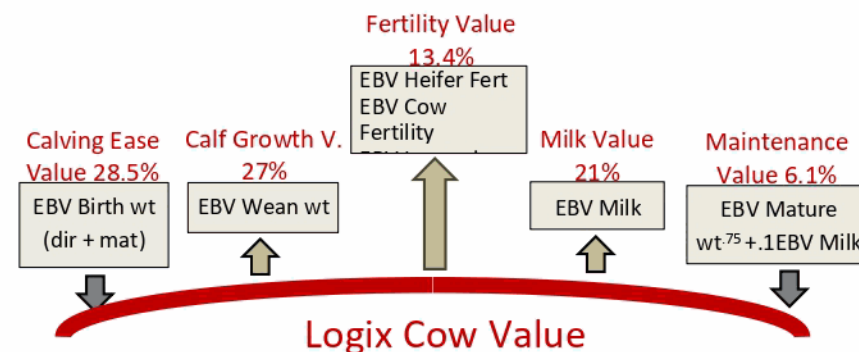
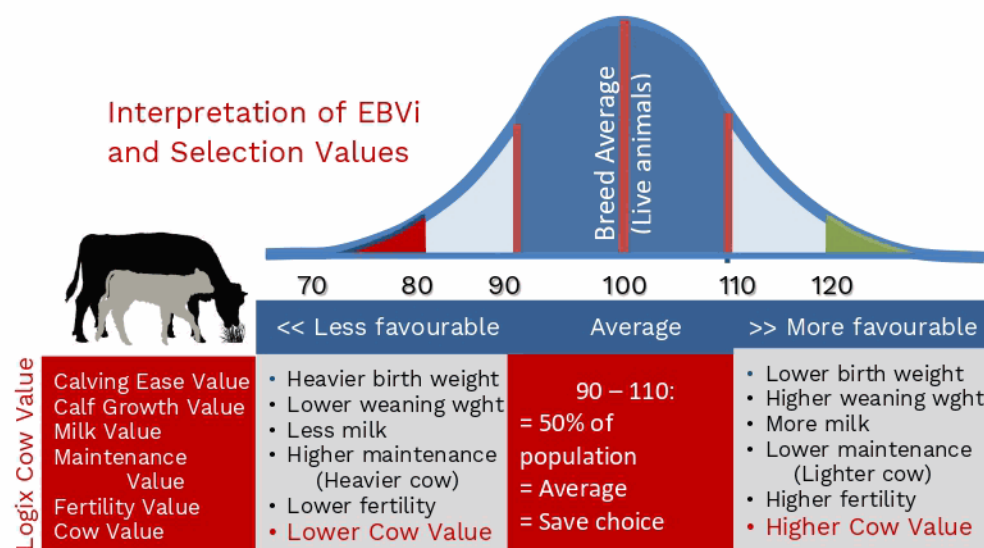
- fertile,
- low maintenance,
- easy calving cows
- with heavy weaners

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.



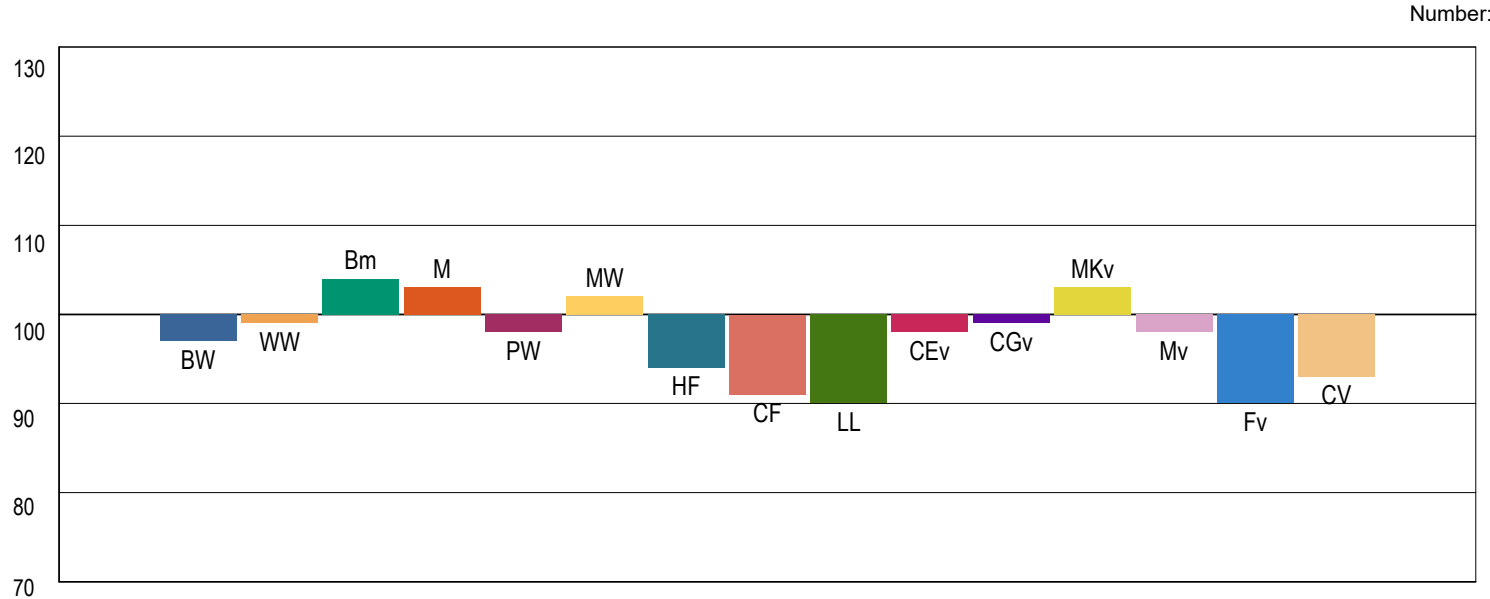
SABeefBulls.com
Profit through Genetics
- at your service

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	0.17	97	-0.03
	Weaning Wt	1.12	99	1.4
	Birth Mat.	-0.20	104	-0.08
	Milk(Wn.Mat.)	0.9	103	0.1
Postwean Growth	Post wean Wt	0.3	98	1.3
	Mature Wt	1	102	0
Fertility	Heifer Fertility	23	94	11
	Cow Fertility	3	91	1
	Longevity	1	90	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?:

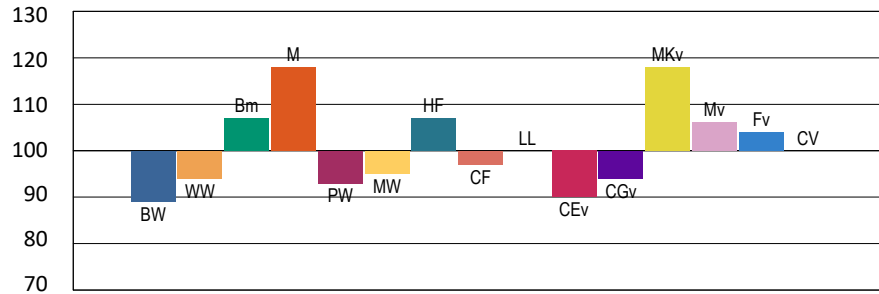
- Calving ease: Smaller calf at birth - easier calving
- Calf growth: Heavier calves at wean due to growth potential of the calf
- Milk: Cows with more milk and better mothering ability
- Maintenance: Animals with low maintenance requirements (lower mature weight).
- Fertility: Cows/daughters that calve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

Genetic Windows

Bulls on Farm

Bulls born in 2022 and earlier

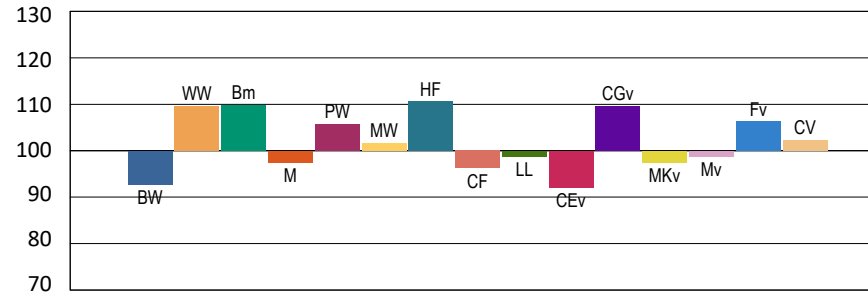
Number: 1



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

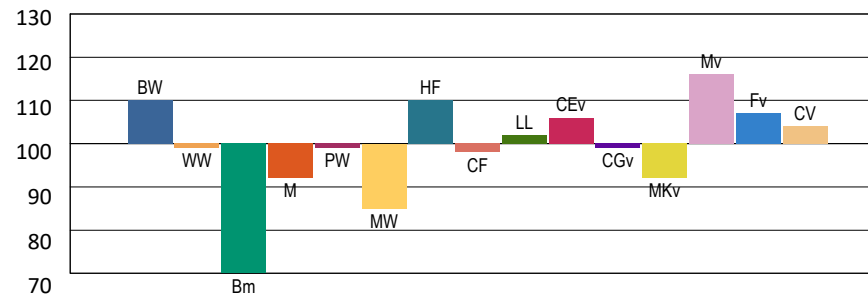
Number:



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	100	99	100	101	100	100	100	101	100	99
2019	1	★★★★☆	106	99	92	116	107	104	110	99	70	92	99	85	110	98	102
2020	3	★★★★☆	95	107	95	93	107	101	93	107	128	95	100	107	112	94	98
2021	1	★★★★☆	89	119	103	84	106	108	89	119	110	103	116	115	113	95	93
2023	2	★★★☆☆	97	95	110	95	71	80	99	95	85	110	99	105	74	81	81
Avg Cows in Herd			97	105	100	97	98	98	98	105	98	100	104	103	102	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	Calv. Ease	Weaning Weight		Calf Growth	Milk (Wn.Mat.)		Postwean Weight	Mature Weight		Mainte- nance	Heifer Fert.		Cow Fert.		Longevity		Ferti- lity			
	Number	EBV			Number	EBV		Number	EBV		Milk	Number		EBV	Number	EBV	Number	EBV	Number		EBV	Number	

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.)		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	703	0.14	-0.03	97	609	0.0	97	609	-0.23	99	227	-1.9	89	1	96	205	2.4	119	0.0	2348	-0.5	104	91
2017	824	0.00	0.00	99	650	0.0	97	650	0.00	100	313	0.0	138	0	95	257	0.0	174	0.0	2798	0.0	105	92
2018	946	0.01	0.03	98	718	1.1	99	718	-0.26	99	387	0.8	222	-2	98	253	0.9	178	0.2	2741	1.4	105	95
2019	986	-0.14	0.06	100	991	0.5	98	991	-0.46	98	609	-0.2	232	-2	100	271	0.3	199	0.3	2558	2.1	105	94
2020	1151	-0.12	-0.01	101	1179	1.1	99	1179	-0.54	98	822	1.2	240	-2	99	308	2.0	138	0.0	2773	1.9	105	96
2021	1368	-0.16	0.06	101	1401	1.6	101	1401	0.64	102	876	2.2	223	0	98	365	1.1	103	-1.8	494	5.1	107	98
2022	1844	-0.07	-0.02	100	1430	1.8	101	1430	-0.14	99	821	2.5	11	-3	99	208	6.6	2	-9.6			105	99
2023	2548	-0.09	0.00	100	1559	1.5	100	1559	0.10	100	1068	1.4			97	4	0.6					108	99
2024	2550	-0.08	0.06	100	729	0.7	98	729	0.54	102	42	-1.9			110								94
2025	168	-0.54	0.08	103																			

Sires

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	Birth	Wean	Dght/Calves.
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	EBV Acc	EBVi
Breed Average:								-0.03	100	1.4	100	-0.08	100	0.1	100	1.3	100	0	100
CASHMERE LEEROY (P) D3	+CASHMERE LEEROY (P) D3	105	102	116	83	94	106	-0.41	2.1	0.25	4.5	-1.4	13	9.8	6.0	2.3	1	18	15
	71	82	74	28	48	64	72	105	82	69	90	59	95	47	101	85	1	2	3
C 110243	C 070361	107	104	82	116	108	103	-0.80	3.2	0.83	-4.8	1.4	-12	-10.2	2.1	9.3	32	35	51
11-0243C	DO 060236	93	92	91	81	81	84	93	110	91	72	80	100	89	111	93	11	6	15
GRB 150120	GRB 110056	85	89	118	108	99	91	1.17	-3.4	-0.49	4.8	-6.1	-6	7.4	3.6	9.1		5	6
15-0120GRB		45	69	70	23	40	52	45	84	45	113	60	86	31	102	77		1	3
HOT 150183	C 100450	110	104	104	98	95	106	-0.47	2.9	-0.29	1.1	6.9	0	14.8	2.8	2.0	29	25	7
15-0183HOT	DO 022064	82	82	71	51	60	69	85	106	72	107	62	111	65	98	80	2	2	2
VOVA170022	SWC 050100	53	143	91	83	107	96	3.61	19.4	-1.71	-2.4	18.4	15	3.3	0.1	18.0	42	45	7
17-0022		82	87	62	20	48	66	87	52	60	152	79	133	57	104	74	7	6	3

Bulls

Bull			Selection Values (SV)						Calf Weight				Mother				Growth				Fertility					
ID	% Inbreeding	Sire ID	Calving Ease	Calf Growth	Milk	Mainte-nance	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								
Inbreeding >6% is high			Breed Average:						-0.03	100	1.4	100	-0.08	100	0.1	100	1.3	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									
RF 190036	1	GRB 150120	90 28	94 46	118 41	106 18	104 28	100 34	0.80	-1.3	-0.31	4.9	-2.4	-5	-1.1	1.9	8.7									
D-DEHOEK19-0036RF		RF 160012						★★★★☆	28 89	46 94	27 107	41 118	34 93	18 95	23 107	13 97	49 100									
SIF 230001		RED 200018	88 28	100 23	105 16	87 5	75 14		0.91	1.6	-0.40	1.5	0.9	9	55.7		-4.0									
STANFORD IMPI SIF 230001									30 88	23 100	20 110	16 105	20 99	5 111	15 77		24 84									
SIF 230003		RED 200017	115 45	86 23	103 21	86 7	72 15	81 23	-0.95	-4.5	-0.01	0.8	-6.0	11	56.1		-8.1									
STANFORD IMPI CENTRA								★★★☆☆	49 112	23 86	28 98	21 103	16 86	7 113	14 77		27 79									
SIF 230004		RED 200033	108 46	85 31	111 23	97 15	67 19	79 28	-0.54	-5.0	0.07	3.1	-3.8	1	70.1	5.7	-7.1									
STANFORD IMPI JJ								★★★☆☆	50 107	31 85	29 96	23 111	28 90	15 101	19 69	11 80	26 80									

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	Mainte-nance	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	1.4	100	-0.08	100	0.1	100	1.3	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									
HOT 190642	9	C 110243	106 55	99 54	92 54	116 46	107 50	104 49	-0.79	1.0	0.89	-2.1	0.5	-13	-7.6	1.7	10.1									
BRANDWATER RY 19-0642HOT		HOT 130073						★★★★☆	55 110	54 99	54 70	54 92	46 99	46 85	51 110	40 98	58 102									
RED 200017		RED 160005	113 58	102 45	89 41	84 14	109 29	105 39	-0.49	2.2	-0.85	-3.0	-3.0	13	-20.5	3.5	4.1									
BLACKWOODS RED THUTHUKA 20-0017RED								★★★★☆	60 106	45 102	49 124	41 89	32 92	14 116	28 117	7 90	53 94									
RED 200018		VOVA170022	64 57	125 47	91 32	86 10	113 28	94 38	2.34	11.7	-1.46	-2.3	7.7	11	-21.3	1.6	12.2									
BLACKWOODS RED THUTHUKA 20-0018RED		RED 160018						★★★	61 69	47 125	40 143	32 91	42 112	10 113	29 117	7 99	48 104									
RED 200033	3	HOT 150183	109 62	95 63	104 45	109 30	99 37	103 50	-0.28	-0.7	-0.58	1.1	-0.7	-6	7.5	2.8	5.9									
BLACKWOODS RED THUTHUKA LUCINDA 3		HOT 170395						★★★★☆	64 103	63 95	52 116	45 104	54 96	30 93	37 102	22 93	52 96									
RED 210056		HOT 150183	89 59	119 56	103 43	84 27	106 34	108 46	0.84	9.2	-0.39	0.8	9.4	12	-12.6	2.4	3.4									
BLACKWOODS RED ROUGHTMASTER SALLY 2		RED 160051						★★★★☆	61 89	56 119	49 110	43 103	34 116	27 115	34 113	18 95	50 93									
SIF 230002		RED 210056	88 45	101 28	113 22	86 13	71 17	80 26	0.75	2.0	0.03	3.5	3.7	10	60.0	5.5	-8.4									
STANFORD IMPI BISHOP								★★★	50 90	28 101	27 97	22 113	17 105	13 112	17 74	9 80	25 79									
SIF 230005		HOT 190642	105 28	88 27	106 27	104 23	71 25	80 25	-0.66	-3.8	0.78	1.6	-2.7	-2	62.5	5.2	-5.0									
STANFORD IMPI CRISTIE								★★★	28 108	27 88	27 73	27 106	24 92	23 98	25 73	20 82	29 83									

Selection List on Cow Values

Bulls 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	RF 190036 D-DEHOEK19-0036RF	GRB 150120	RF 160012	1.0	9028	9446	11841	10618	10428	10034			
					★★★★								
1	SIF 230003 CENTRA		RED 200017	0.0	11545	8623	10321	867	7215	8123			
					★★								
1	SIF 230004 JJ		RED 200033	0.0	10846	8531	11123	9715	6719	7928			

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	106 55	99 54	92 54	116 46	107 50	104 49		
2	RED 200017	THUTHUKA 20-0017RED		RED 160005	0.0	113 58	102 45	89 41	84 14	109 29	105 39		
3	RED 200033	THUTHUKA LUCINDA 3	HOT 150183	HOT 170395	3.4	109 62	95 63	104 45	109 30	99 37	103 50		
4	RED 210056	ROUGHTMASTER SALLY 2	HOT 150183	RED 160051	0.0	89 59	119 56	103 43	84 27	106 34	108 46		
					★★★★								
1	RED 200018	THUTHUKA 20-0018RED	VOVA170022	RED 160018	0.0	64 57	125 47	91 32	86 10	113 28	94 38		
					★★★★								
1	SIF 230002	BISHOP		RED 210056	0.0	88 45	101 28	113 22	86 13	71 17	80 26		
2	SIF 230005	CRISTIE		HOT 190642	0.0	105 28	88 27	106 27	104 23	71 25	80 25		