

Boerboel Genetic Evaluation

SA Stud Book

February 2026

0 0 HEAVY WEIGHTS BOERBOELS

12143 JUVENTUS STREET

0

RANDFONTEIN

1759



Kennel Number: 670533



Estimated Breeding Values (EBVs)

Litter size and conformation traits are influenced by many genes, with every gene making a small contribution to the expression of the trait. These traits are, however, also influenced by physiological and physical environmental factors, for example the age and sex of the animal, the feeding and management the animal received and year x season effects. It is therefore not possible to know what the animal's genetic potential for the trait is by merely using the measurement.

With BLUP (*Best Linear Unbiased Prediction*) methodology an animal's genetic potential is predicted by making use of the genetic parameters (heritabilities and genetic correlations) of the breed, pedigree information, as well as the measurements of the animal as deviation from the average of the animals that were measured with the animal. Adjustments are made for differences in sex, age, classifier, management and year x season effects to ensure that fair comparisons are made amongst the animals. These predictions are called **EBVs (Estimated Breeding Values)** which indicates the animal's genetic potential for the specific trait and predicts the type of progeny that the animal will breed.

Pedigree information determines the genetic level at which the animal enters the genetic evaluation, it links the information of all relatives together and it is used to determine the genetic ranking of the breed. For young animals that were not yet measured, mid-parent EBVs are estimated, which are the average of the EBVs of the sire and dam. These breeding values are still inaccurate and can change a lot when more information (measurements) is included in subsequent genetic evaluations.

Breeding values therefore enables a breeder to compare his/her animals genetically to one another, as well as to all other animals of the breed. This Report gives a summary of the genetic levels of the active males and females of the relevant breeder in comparison to that of the breed for linearly classified traits and litter size. The genetic change that occurred over time can also easily be seen.

Breeding Value Indices (EBVi)

For easy interpretation, EBVs are standardised and expressed relative to the average (100) of the active animals of the breed, using 12 as standard deviation (SD). This means that an EBV of 100 is equal to the active average of the breed, and more or less 50% of the animals will have EBVi's of between 90 and 110, which indicates an average animal. Only 0.5% of the EBVi's will be lower than 64 and 0.5% will be higher than 136. Higher EBVi's indicate better genetic potential for the trait.

Accuracy

EBVs are published with an **accuracy value (%)**, which indicates how much info was available for the estimation of the EBV and with how much trust it can therefore be applied. Factors that influence the accuracy include heritability, completeness and correctness of pedigree information, number of own and measured relatives and the size of the group in which the animal was measured. When an accuracy of 85% and more is reached, the EBV should not change significantly with the inclusion of more information in subsequent genetic evaluations.

Kennel and Breed Averages: The different traits' averages of the breeder's active animals are compared to those of the breed in the Kennel and Breed Average Graphs and Tables. The breeder can therefore easily see for which traits the animals are above or below the average of the breed.

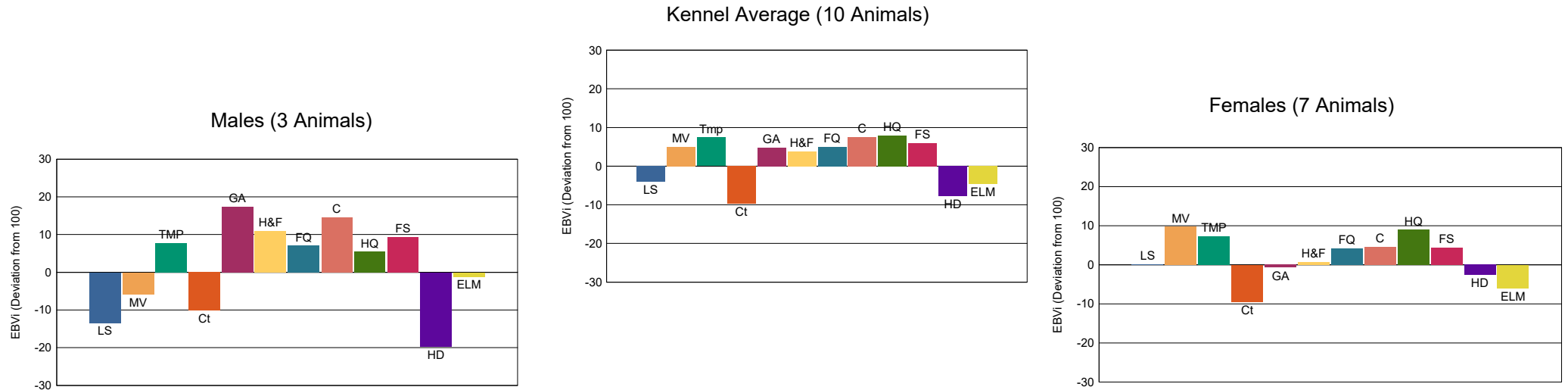
Genetic Trends: The Genetic Trends indicate the genetic change that occurred over time in the animals bred by the breeder compared to that of the breed. These are calculated as the average of the breeding values of all measured animals bred by the breeder, per year of birth.

Inbreeding: Inbreeding is the mating of related animals and is widely viewed as being harmful. The danger of inbreeding lies there in that it can gradually decrease fertility and survivability – a phenomenon known as inbreeding depression. It can cause lower conception rates, more abortions, more stillborn and weak offspring and a higher susceptibility to diseases. Indications in dogs include a low litter size as well as problems relative to fertility, such as invisible heat, behavioural problems when mating and low sperm quality. Overall, reduced litter size most likely reflects inbreeding depression in several traits, both physiological and behavioural, as well as a high frequency of non-viable embryos due to lethal alleles. Generally, the effects of inbreeding can become noticeable at a value of 6.25%, therefore it is generally recommended that individuals should have inbreeding coefficients of less than 6.25%. Breeders should therefore avoid matings causing inbreeding of more than 6.25% in the progeny. The theoretical maximum inbreeding coefficient is 50%. However, it should be noted that not all inbred animals show signs of inbreeding depression.

The data used in this evaluation was obtained from LOGIX from linear classifications that were done by the Breeder Society. All possible attempts have been made to present the information correctly. SA Stud Book does not accept responsibility for the use and interpretation of the information presented on animals in this publication.

Genetic Levels

Kennel Average relative to Breed Average, where Breed Average is indicated as 0



Average Breeding Value Indices (EBVi) where Breed Average = 100

Trait	All Animals	Males	Females
Litter size (LS)	96	87	100
Movement (Mv)	105	94	110
Temperament (Tmp)	107	108	107
Coat (Ct)	90	90	91
General Appearance	105	117	99
Head & Face (H&F)	104	111	101
Front Quarter (FQ)	105	107	104
Centre (C)	108	115	105
Hind Quarter (HQ)	108	105	109
Final Score (FS)	106	109	104
Hip Health (HH)	92	80	97
Elbow Health (ELM)	95	99	94

Inbreeding

Notes

Inbreeding primarily leads to decreased fertility, low survivability of pups and low disease resistance.

Inbreeding coefficients are calculated for all animals of the breed and indicates the probability that two genes of a pair are the same due to a common ancestor in the pedigree of the animal.

The adverse effects of inbreeding can be observed from 6.25% onwards.

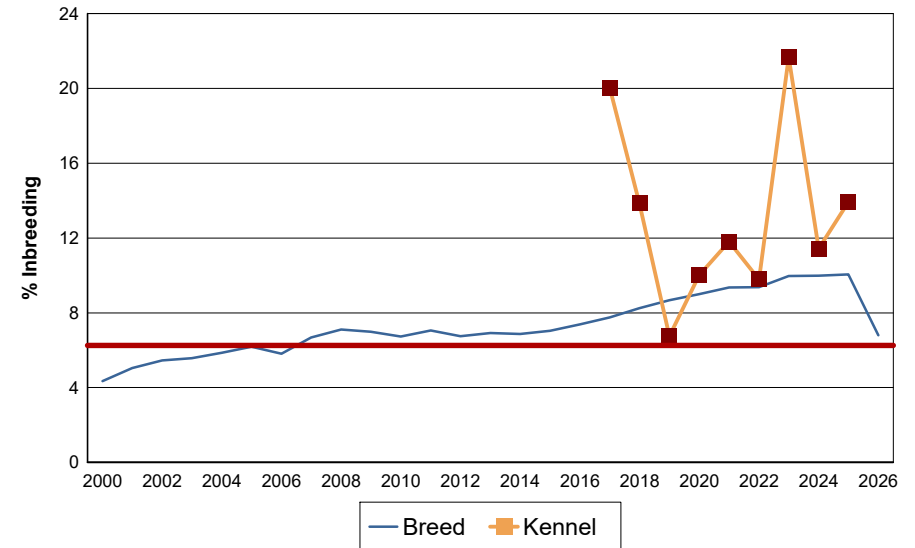
It is therefore highly recommended to record pedigree information as accurately. Inbreeding is dependent on pedigree information. Conventional methods for the calculation of inbreeding coefficients usually assume that unknown parents are unrelated, which is usually far from the truth. Inbreeding coefficients are therefore conservative indicators of the level of inbreeding.

Incomplete or incorrect pedigree information can be reported to SA Stud Book via the Breed Society.

Inbreeding Levels for Specific Matings

Progeny with Parents :	25%
Full Brother x Full Sister :	25%
Half Brother x Half Sister :	12.5%
One Common Grandparent :	6.25%
One Common Great-Grandparent :	3.125%

Rate of Inbreeding

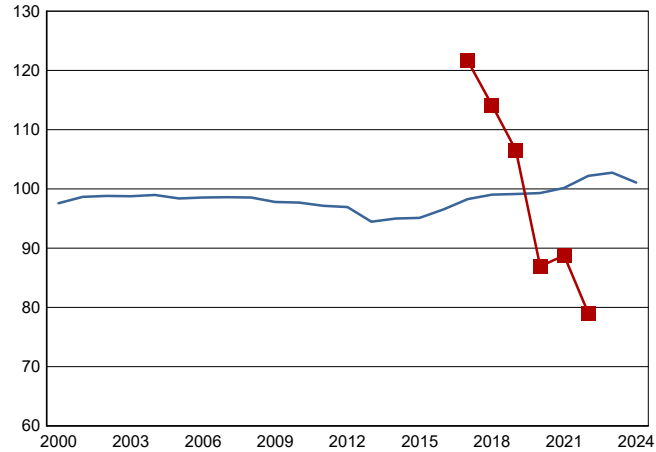


Inbreeding Levels

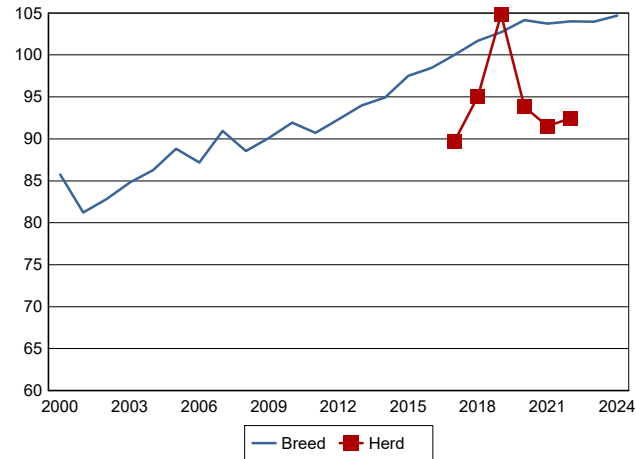
	All Animals		Males		Females		Sires		Dams	
	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed
Number	10	49007	3	25141	7	23857	9	3371	9	6287
Average Inbreeding	10.83	8.49	13.67	8.46	9.61	8.53	10.90	8.01	10.31	8.00
Number inbred	10	48727	3	24990	7	23728	9	24990	9	23728
Number >6.25% Inbr.	10	30600	3	15537	7	15058	8	15537	9	15058

Genetic Trends

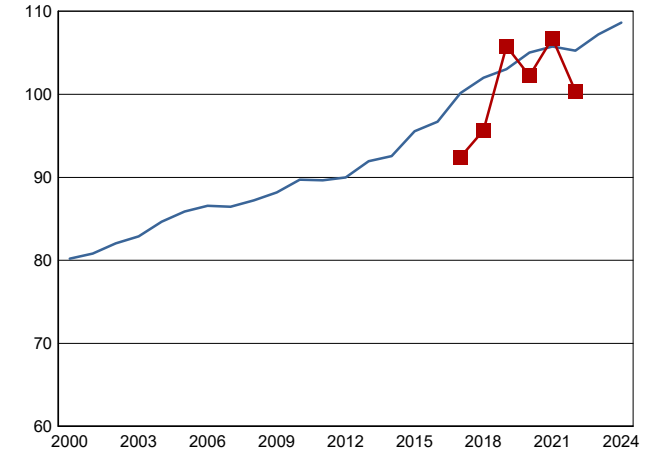
Litter Size



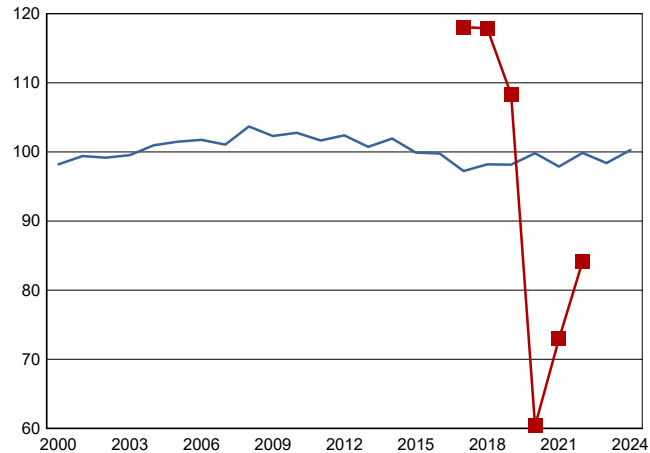
Movement



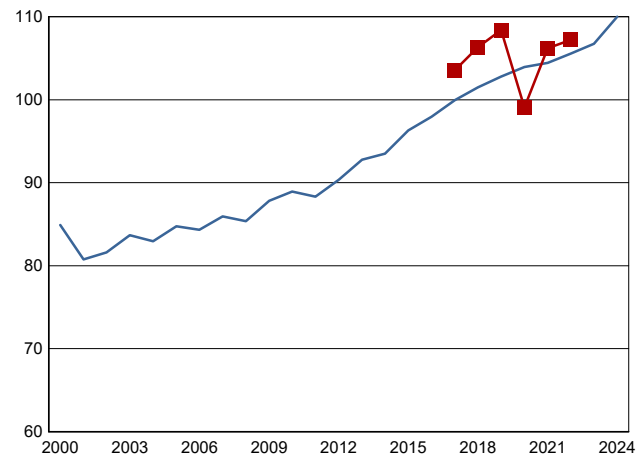
Temperament



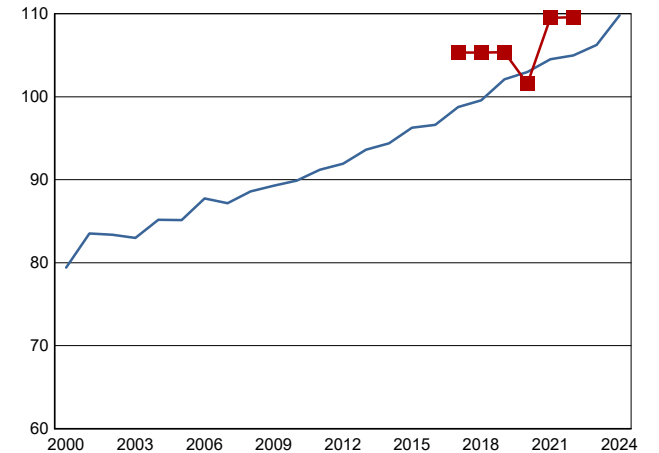
Coat



General Appearance

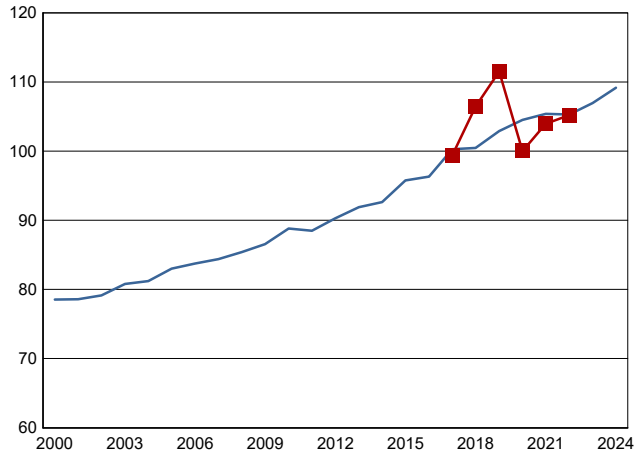


Head & Face

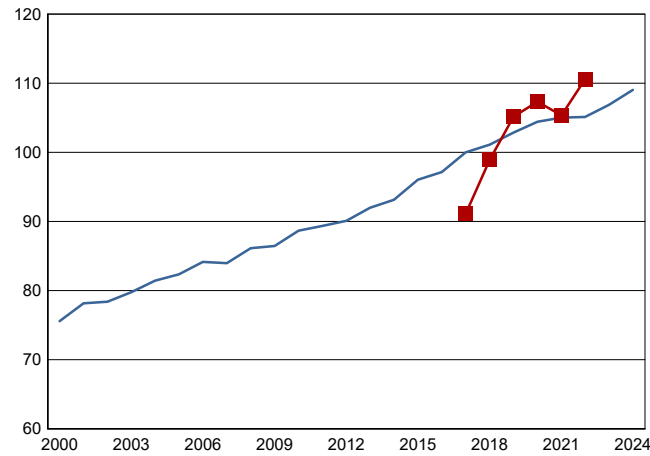


Genetic Trends

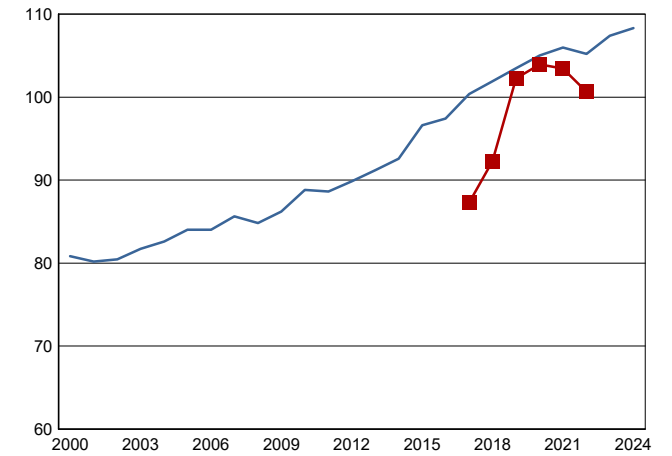
Front Quarter



Centre

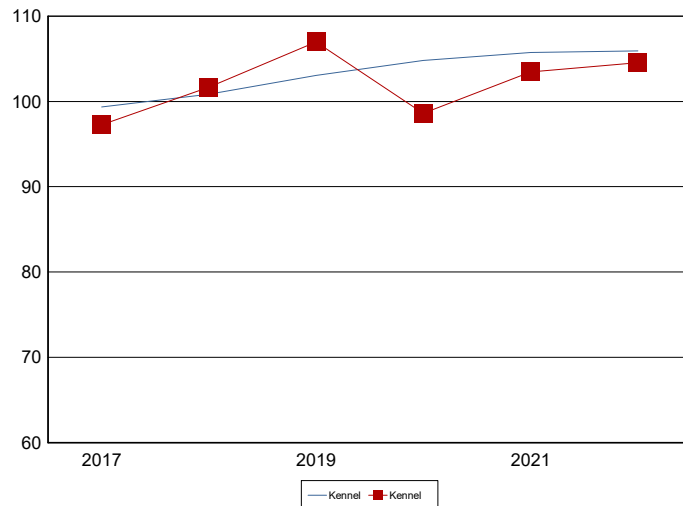


Hind Quarter

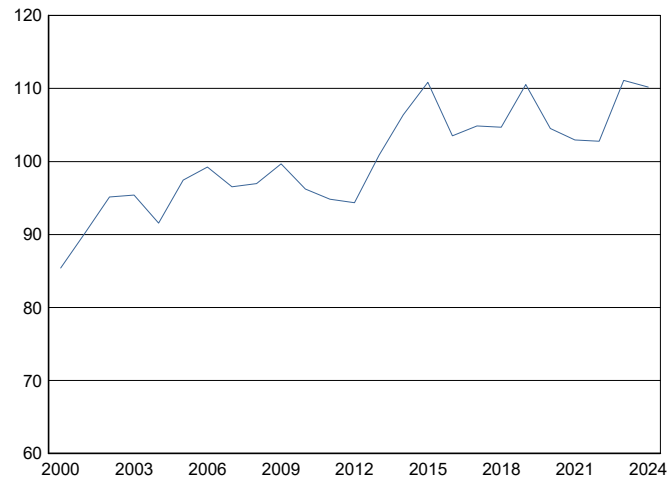


Final Score & Health Traits

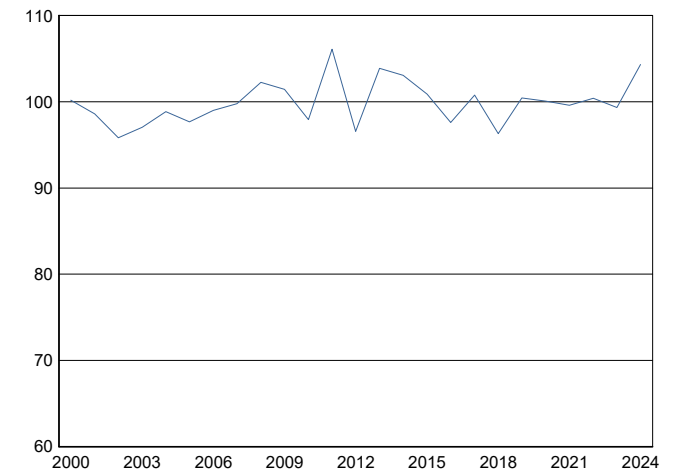
Final Score



Hip Health



Elbow Health



Estimated Breeding Value Indices (EBVi's)

Males

Inbreeding >6.25% is high

< 80

>= 100

>= 120

Animal Information			Inbreed	Health		Fertility	General			Appearance						Progeny :		Appraisal	Health		Progeny with litters
Name	BYr	Sire Dam	%	Hips Acc.	Elbows Acc.	Litter Size Acc.	Move- ment	Tempe- rament	Coat	General Appear.	Head & Face	Front Quarter	Centre	Hind Quarter	Final Score	Progeny	Litters	Progeny Kennels	Hips	Elbows	
BOSTU MUSTAVA		BOSTU DADDY COOL	13.50	75	87	96	79	115	100	137	111	104	124	113	115						
	2021	ELDORADO BBD EBONY		5	17	33	56	34	70	56	69	57	59	61	65						
MES EINSTEIN		MES BEN JUDAH	13.70	92	96	84	114	107	80	104	111	110	109	107	108	7	1				
	2021	MES ARABELLE		5	5	17	48	17	66	48	65	49	52	54	60						
HEAVY WEIGHTS COUNTER FORCE		TARGUS RAM	13.80	75	114	79	90	101	90	111	111	107	110	97	105	1	1				
	2022	HEAVY WEIGHTS JESSIE		5	5	26	53	28	67	52	66	53	55	58	62						

Estimated Breeding Value Indices (EBVi's)

Females

Inbreeding >6.25% is high

< 80

>= 100

>= 120

Animal Information			Inbreed	Health		Fertility	General			Appearance						Progeny :		Appraisal	Health		Progeny with litters
Name	BYr	Sire Dam	%	Hips Acc.	Elbows Acc.	Litter Size Acc.	Move-ment	Tempe-rament	Coat	General Appear.	Head & Face	Front Quarter	Centre	Hind Quarter	Final Score	Progeny	Litters	Progeny Kennels	Hips	Elbows	
BOSTU JAMAICA	2021	ELEVATION COOPER	9.07	99	81	128	116	119	94	100	101	109	106	120	111						
		BOSTU ASHANTI		22	37	41	58	36	70	57	70	58	60	62	66						
HEAVY WEIGHTS SURVIVOR	2021	BOSTU ZAVUKA	12.19	95	97	80	93	96	72	85	100	92	96	102	94	2	1				
		JOSMOT MISS S.A.		5	5	24	50	20	67	50	66	51	54	56	61						
BOSTU CAMMELIE	2021	BOSTU BOCHELLI	9.51	97	94	111	110	99	102	89	86	100	100	107	97						
		TREBLA CAMERONE		5	23	23	43	17	54	43	54	44	46	47	51						
HEAVY WEIGHTS SORROW	2021	BOUWER NDABEZITHA	8.60	99	105		117	109	93	102	105	112	111	107	109	1	1				
		ARTIFACTS MARA WHY		5	5		45	13	63	44	62	46	48	51	57						
HEAVY WEIGHTS MABLE	2021	BOUWER NDABEZITHA	8.60	99	105		116	107	96	105	94	104	108	111	104						
		ARTIFACTS MARA WHY		5	5		45	13	63	44	62	46	48	51	57						
HEAVY WEIGHTS PRINCESS	2024	MES ALDO	11.44	91	91	108	107	112	95	102	106	101	102	111	107						
		BOSTU SILVER BULLET		5	5	5	32	5	45	31	44	32	34	36	40						
POWERHOUSE BRIDGETTE	2025	MES EINSTEIN	7.85	101	85	93	109	108	83		112	112	110	105	109						
		SOUTHPAW SANDY		5	5	5	27	5	42		41	28	30	32	37						

Estimated Breeding Value Indices (EBVi's)

Sires

Inbreeding >6.25% is high

< 80

>= 100

>= 120

Sire Information			Inbreed	Health		Fertility	General			Appearance						Progeny :		Appraisal	Health		Progeny
Name	BYr	Sire Dam	%	Hips Acc.	Elbows Acc.	Litter Size Acc.	Move-ment	Tempe-rament	Coat	General Appear.	Head & Face	Front Quarter	Centre	Hind Quarter	Final Score	Progeny Litters	Progeny Kennels	Hips	Elbows	with litters	
ELEVATION COOPER		GROENBERG BBD RAMBO	4.48	112	60	98	111	134	95	126	121	125	124	125	127	127 21	52 39	10 10	37 7		
	2015	HAZENJACHT BBD FIELLA		56	68	70	81	64	89	81	89	82	83	84	87						
TARGUS RAM		SPITSVUUR BBD TOKARA DRIFTER	11.20	57	129	70	99	99	82	105	100	100	111	91	98	269 46	77 56	3 3	44 14		
	2017	TARGUS RINA		14	30	60	82	62	90	82	90	83	84	85	88						
BOSTU DADDY COOL		MES BITE A BULLET	7.38	61	87	117	95	117	99	139	112	91	119	114	115	197 28	69 32	16 16	43 6		
	2018	MES SHAKIRA		52	66	60	83	64	91	82	90	83	85	86	88						
MES BEN JUDAH		MES ASKAM	18.65	85	91	72	115	107	61	108	109	108	110	97	103	6 3	2 2		1 1		
	2019	MES MIKA		5	5	37	59	35	72	58	71	59	61	63	68						
BOUWER NDABEZITHA		TARGUS BOM BOEL	6.75	97	106	75	103	115	77	108	93	104	111	101	99	12 1	2 1		1 1		
	2019	BOUWER CHELSEA		5	5	32	56	31	71	55	70	56	58	61	65						
BOSTU BOCHELLI		CABARET PAVAROTTI	12.13	89	126	130	122	93	114	80	70	93	94	108	90	66 13	26 17	4 4	11 2		
	2019	MES ALUSHKA		46	59	51	72	48	84	71	83	72	74	76	80						
BOSTU ZAVUKA		BOSTU ZAZU	16.52	99	96	82	118	113	101	105	117	114	109	116	117	45 7	15 9	4 4	5 3		
	2020	MES ALUSHKA		41	60	44	68	42	81	67	80	68	70	72	77						
MES ALDO		RIEKS MES DUKE	7.25	107	105	102	116	102	92	78	106	103	93	110	103	1 1					
	2020	MES MILEY II		5	5	24	49	24	65	48	64	50	52	54	59						
MES EINSTEIN		MES BEN JUDAH	13.70	92	96	84	114	107	80	104	111	110	109	107	108	7 1					
	2021	MES ARABELLE		5	5	17	48	17	66	48	65	49	52	54	60						

Estimated Breeding Value Indices (EBVi's)

Dams

Inbreeding >6.25% is high

< 80

>= 100

>= 120

Animal Information			Inbreed	Health		Fertility	General			Appearance						Progeny :		Appraisal	Health		Progeny with litters
Name	BYr	Sire Dam	%	Hips Acc.	Elbows Acc.	Litter Size Acc.	Move-ment	Tempe-r-ament	Coat	General Appear.	Head & Face	Front Quarter	Centre	Hind Quarter	Final Score	Progeny	Litters	Progeny Kennels	Hips	Elbows	
ELDORADO BBD EBONY	2017	CABARET SON OF A GUN	10.00	88	87	75	79	114	87	124	108	114	127	111	112	23	4	7			4
		ELEVATION MAYBE		5	22	58	66	44	79	65	78	67	68	70	74			5			1
JOSMOT MISS S.A.	2018	CABARET BORIS (PASELLA)	13.68	91	98	80	60	89	25	90	99	82	92	87	80	25	4	13			6
		JOSMOT KOOLKAT		5	5	35	62	32	77	61	77	63	65	68	72			7			1
TREBLA CAMERONE	2019	MAWEZA DISSELBOOM	10.18	105	61	91	97	104	90	98	103	108	107	106	104	18	5	3	2	2	2
		TREBLA JASMYN		5	27	35	60	34	75	60	74	61	63	65	70			2			1
BOSTU ASHANTI	2019	CABARET PAVAROTTI	12.13	87	102	158	115	95	108	80	72	86	77	106	85	33	3	20	1	2	7
		MES ALUSHKA		43	59	59	71	47	83	70	82	72	74	76	79			15			1
ARTIFACTS MARA WHY	2019	ARTIFACTS YSTER	8.03	101	104	106	126	99	112	101	99	106	104	115	108	7		2			1
		MIDDELPOS BBD NEBANA		5	5	28	53	28	70	53	69	54	57	59	64			1			1
MES ARABELLE	2019	MES MASCOT	10.16	99	100	97	102	106	103	99	108	115	106	109	109	14	4	3			2
		MES MACKLE		5	5	48	58	35	72	57	71	59	61	63	67			3			1
HEAVY WEIGHTS JESSIE	2020	ARTIFACTS YSTER	9.40	93	98	88	91	101	75	104	109	104	108	108	104	7	2	2			1
		JOSMOT MISS S.A.		5	5	36	53	25	70	52	69	54	56	59	64			2			1
SOUTHPAW SANDY	2020	ROKAFELA BASTRON	8.77	111	75	102	105	109	87	119	113	114	112	104	110	11	2				
		AFRIKA DIAMOND		5	5	14	45	16	61	36	60	46	48	51	56						
BOSTU SILVER BULLET	2021	BOSTU DADDY COOL	10.43	76	78	115	98	123	97	126	107	99	111	112	111	1	1				
		AFRIKA RULE		13	31	34	56	35	70	56	69	57	59	61	65						

