

Boerboel Genetic Evaluation

SA Stud Book
February 2026

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0
BULAWAYO
ZIMBABWE



Kennel Number: 711759



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.

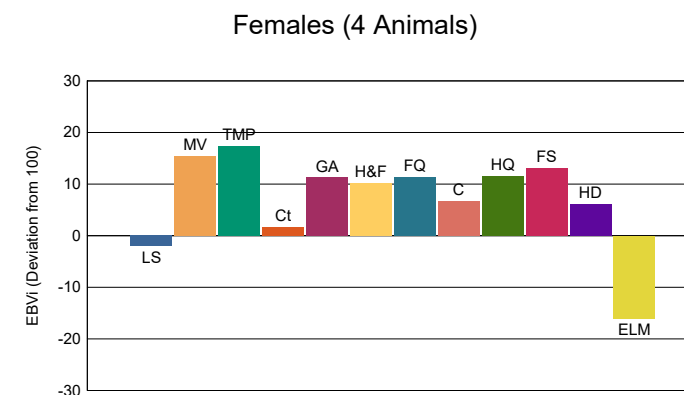
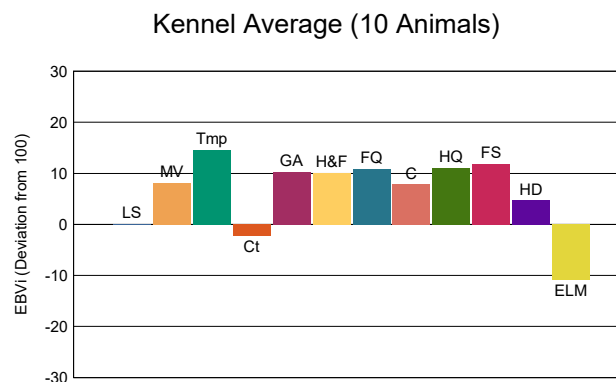
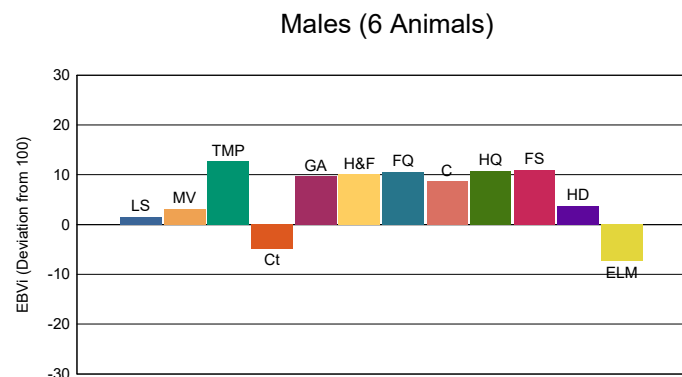
Genetic Trends: The Genetic Trends indicate the genetic change that occurred over time in the animals bred by the breeder compared to that of the breed. These are calculated as the average of the breeding values of all measured animals bred by the breeder, per year of birth.

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)	100	102	98
Movement (Mv)	108	103	116
Temperament (Tmp)	115	113	117
Coat (Ct)	98	95	102
General Appearance	110	110	111
Head & Face (H&F)	110	110	110
Front Quarter (FQ)	111	111	111
Centre (C)	108	109	107
Hind Quarter (HQ)	111	111	112
Final Score (FS)	112	111	113
Hip Health (HH)	105	104	106
Elbow Health (ELM)	89	93	84

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.

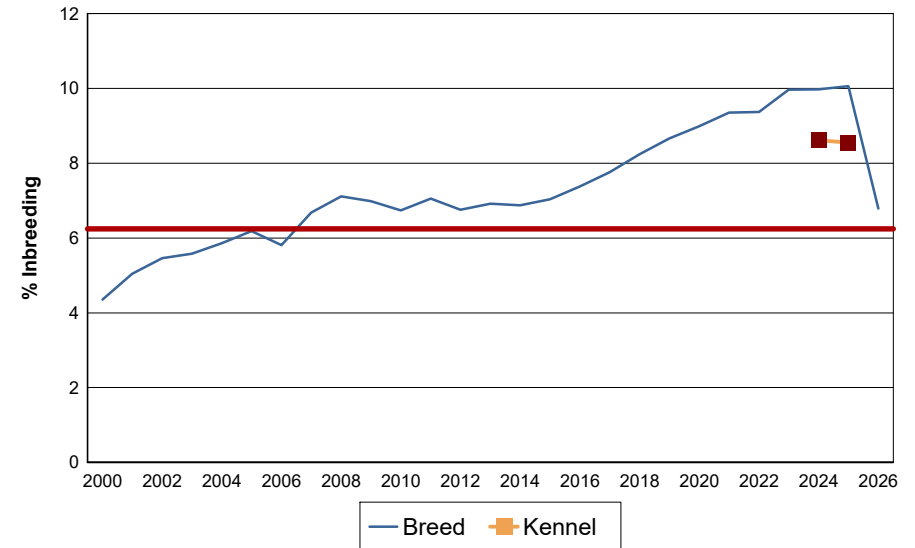
It is therefore highly recommended to record pedigree information as accurately. Inbreeding is dependent on pedigree information. Conventional methods for the calculation of inbreeding coefficients usually assume that unknown parents are unrelated, which is usually far from the truth. Inbreeding coefficients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

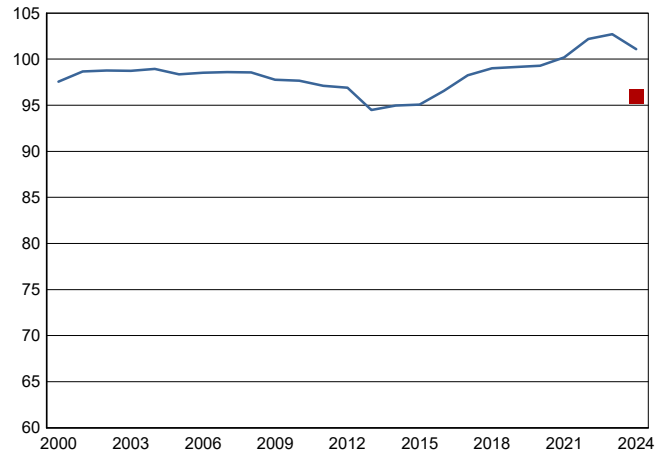


Inbreeding Levels

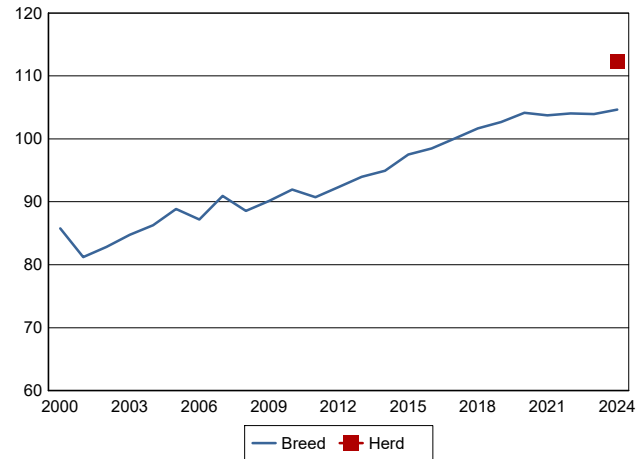
	All Animals		Males		Females		Sires		Dams	
	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed
Number	10	49007	6	25141	4	23857	8	3371	7	6287
Average Inbreeding	10.57	8.49	9.70	8.46	11.88	8.53	8.02	8.01	9.90	8.00
Number inbred	10	48727	6	24990	4	23728	8	24990	7	23728
Number >6.25% Inbr.	9	30600	5	15537	4	15058	6	15537	6	15058

Genetic Trends

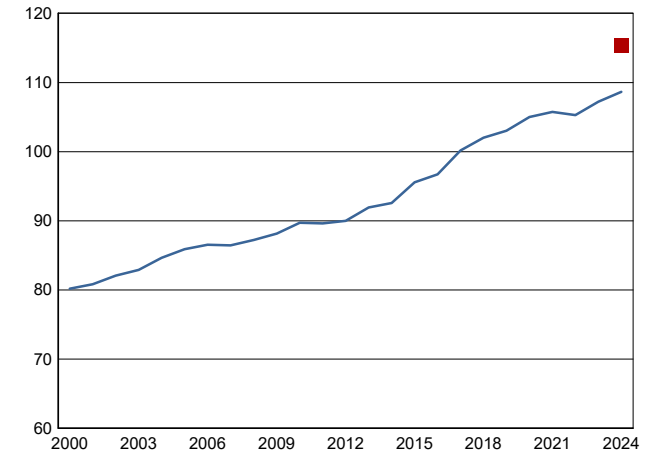
Litter Size



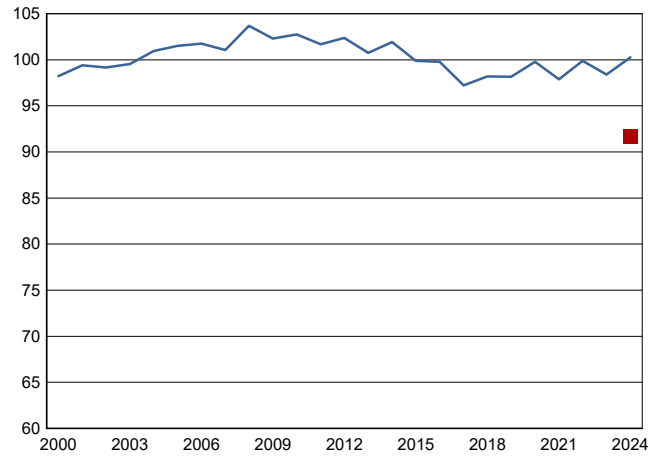
Movement



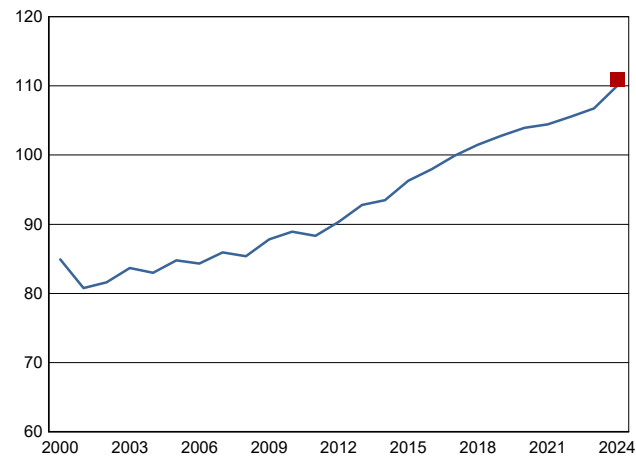
Temperament



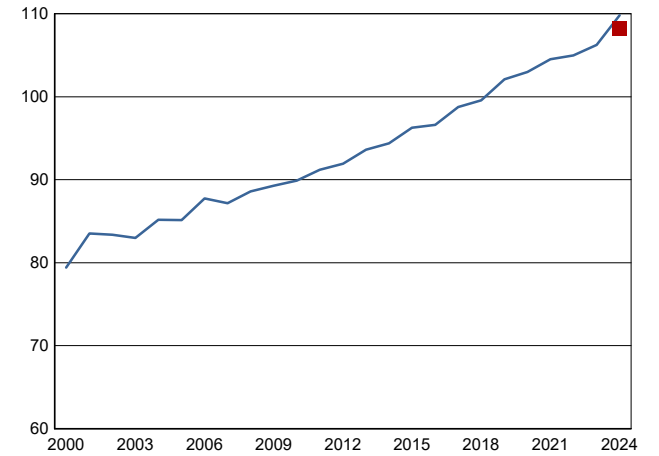
Coat



General Appearance

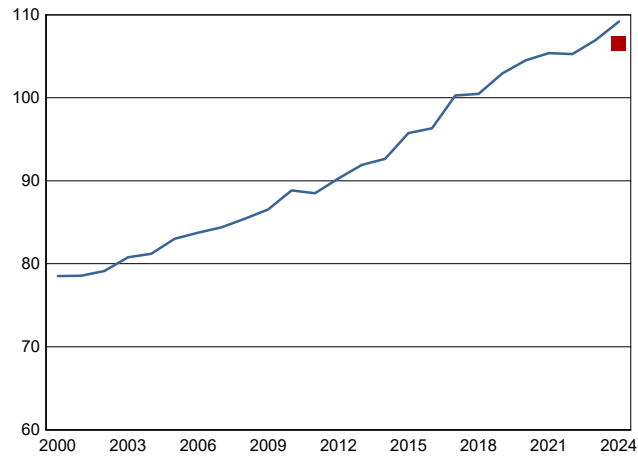


Head & Face

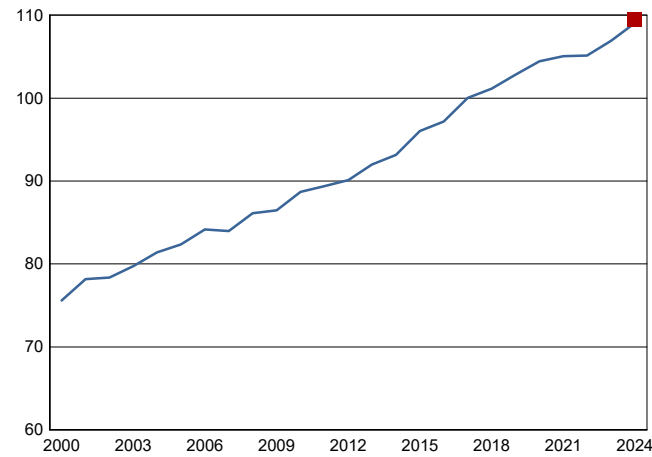


Genetic Trends

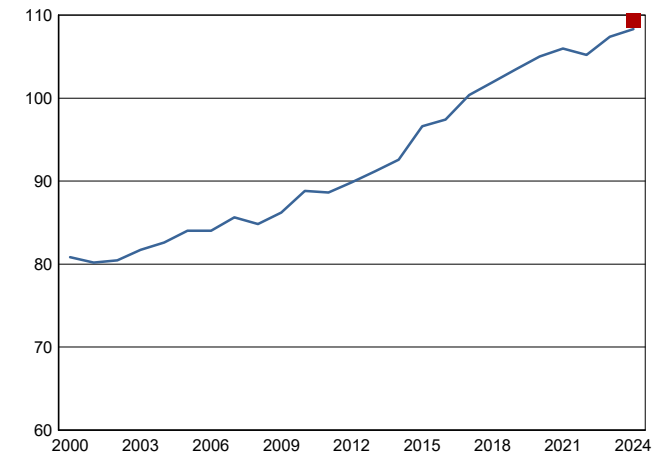
Front Quarter



Centre

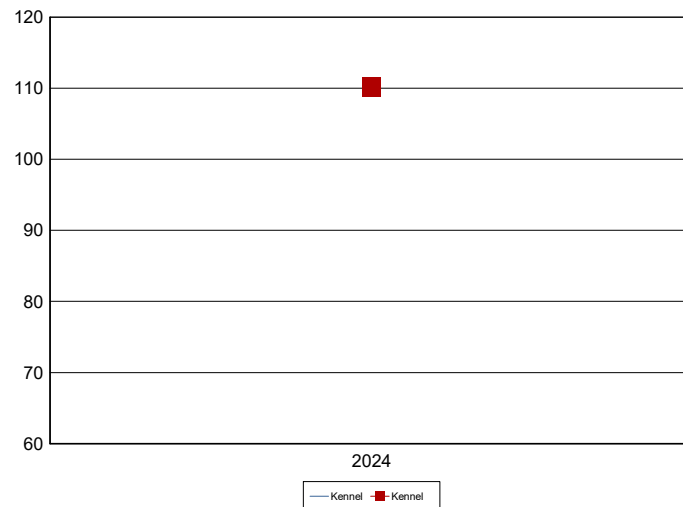


Hind Quarter

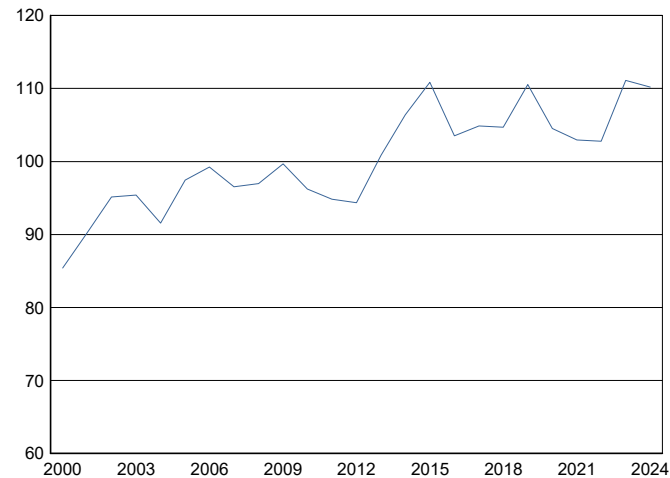


Final Score & Health Traits

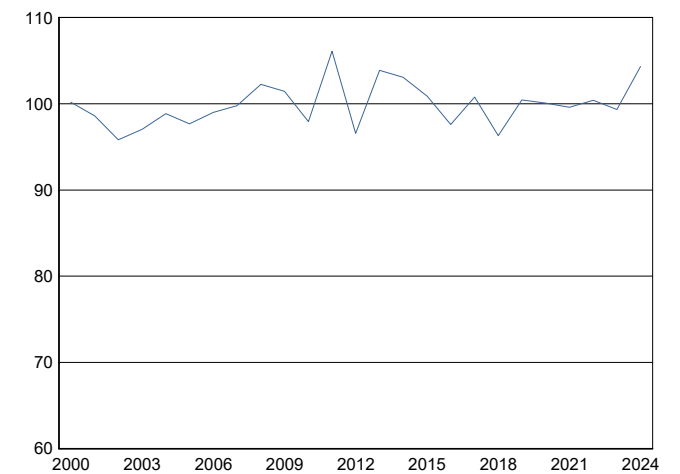
Final Score



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 UNI-SHOW		BOSTU SHOW GUN	16.02	104	91	78	100	130	43	128	125	117	126	113	118	10	1	2			
	2021	BOSTU MISS UNIVERSE		5	5	21	48	16	64	47	63	49	51	54	59			2			
HVK GADDAFI		TOKARA THANOS	6.05	97	103	100	80	88	95	82	110	103	99	106	102						
	2022	ROZEK MYSTIQUE		5	5	11	43	11	62	43	61	44	47	50	56						
ALEXANDER BBD DRAGO 2		BODINGTON BOERBOEL LEO	8.45	99	103	104	101	104	110	107	100	105	103	102	103	2	1	1			
	2023	GLASGOW MAXI LEE		5	5	5	38	5	59	38	57	39	42	45	52			1			
TOJ GAFFA		ALEXANDER BBD DRAGO 2	10.56	106	87	112	110	115	110	109	107	111	103	110	111						
	2024	AFRIKA FIONA 4		5	5	5	26	5	39	25	38	26	28	31	35						
TOJ GABADIYA		ZVIMBEX BRUTUS	8.55	109	86	107	114	119	106	116	109	114	111	117	116						
	2025	AFRIKA FIONA 4		5	5	5	26	5	39	26	38	27	29	31	35						
TOJ TOM		ZVIMBEX BRUTUS	8.55	109	86	107	114	119	106	116	109	114	111	117	116						
	2025	AFRIKA FIONA 4		5	5	5	26	5	39	26	38	27	29	31	35						

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 GAMORA		BOSTU ZAZU	16.52	96	87	77	117	111	111	107	107	109	103	107	110	8	3	1			1
	2020	MES ALUSHKA		10	35	46	58	35	70	57	69	58	60	62	66			1			1
AFRIKA FIONA 4		MES RUBENSTEIN	14.24	113	71	120	118	126	110	110	114	117	103	118	118	7	2	1			
	2022	LOMBARD SUPERIOR AFRIKA 4X4		5	20	36	55	35	68	55	67	56	57	59	63			1			
TOJ RASSIE		BOSTU UNI-SHOW	8.23	108	92	88	113	113	79	111	111	105	110	105	109						
	2024	ALEXANDER BBD KHALISI		5	5	5	39	5	58	38	57	40	43	46	52						
TOJ MKABAYI		ZVIMBEX BRUTUS	8.55	109	86	107	114	119	106	116	109	114	111	117	116						
	2025	AFRIKA FIONA 4		5	5	5	26	5	39	26	38	27	29	31	35						

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
BOSTU ZAZU		MES ASKAM	7.38	76	91	37	101	116	83	121	121	105	112	110	114	175 29	52 36	10 11		29 5
	2016	MES SHAKIRA		47	62	64	80	61	89	80	89	81	82	84	87					
MES RUBENSTEIN		GROENBERG BBD RAMBO	4.08	111	59	133	122	134	109	99	101	114	104	128	116	314 52	101 83	21 20		83 11
	2016	MES LIZE		58	67	73	86	71	92	86	92	87	88	89	90					
TOKARA THANOS		MES ZULU II	7.58	85	109	92	66	92	81	92	112	103	100	97	99	22 4	3 2			
	2020	TOKARA LOLA		5	5	21	52	22	69	50	68	52	55	58	63					
BOSTU SHOW GUN		BOSTU GUNSTON	6.22	115	98	58	94	126	68	122	129	117	126	120	123	26 6	5 5			5 1
	2020	ELEVATION PARIS HILTON		26	40	42	62	39	75	61	74	62	64	66	70					
BODINGTON BOERBOEL LEO		BODINGTON BOERBOEL WOLVERINE	8.10	90	104	108	96	100	106	101	97	108	98	102	100	10 2	1 1			1 1
	2021	BODINGTON BOERBOEL EVE II		5	5	15	45	15	61	44	60	46	48	51	56					
BOSTU UNI-SHOW		BOSTU SHOW GUN	16.02	104	91	78	100	130	43	128	125	117	126	113	118	10 1	2 2			
	2021	BOSTU MISS UNIVERSE		5	5	21	48	16	64	47	63	49	51	54	59					
ZVIMBEX BRUTUS		ALESSANDRO BENJIE	6.36	104	101	95	111	113	103	122	105	111	119	116	115	5 1				
	2022	KING GRANITE KELLY		5	5	9	34	5	51	33	50	35	37	40	45					
ALEXANDER BBD DRAGO 2		BODINGTON BOERBOEL LEO	8.45	99	103	104	101	104	110	107	100	105	103	102	103	2 1	1 1			
	2023	GLASGOW MAXI LEE		5	5	5	38	5	59	38	57	39	42	45	52					

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-rament	Coat	General Appear.	Head & Face	Front Quarter	Centre	Hind Quarter	Final Score	Progeny	Litters	Progeny Kennels	Hips Elbows	
MES ALUSHKA	2018	MES FELIX BOETA	13.30	115	83	127	129	109	112	90	93	110	98	116	106	27	4	16	7 7	11
		MES DIVA		46	62	63	71	48	83	71	82	72	74	76	79			10		1
ROZEK MYSTIQUE	2019	PLAASWAG STEVENHOEK	5.23	109	97	109	109	87	79	68	95	96	96	116	97	20	4	5		2
		FERNANDO MES VANILLA		5	5	40	57	32	72	56	71	57	60	62	67			2		1
LOMBARD SUPERIOR AFRIKA 4X4	2019	AFRIKA DANTOR	11.14		83	106	104	113	99	118	133	123	104	100	118	19	3	3		2
		ELEVATION DEKOTA			28	49	59	35	73	58	72	59	61	64	68			3		1
BOSTU MISS UNIVERSE	2020	ELEVATION COOPER	7.00	93	83	98	103	125	61	118	113	107	114	109	110	18	2	2		2
		BOSTU GI JANE		15	30	51	59	38	72	58	71	59	61	63	67			2		1
GLASGOW MAXI LEE	2021	ALEXANDER BBD BLADE	9.90	107	102	100	106	107	98	108	99	102	109	105	104	3	1	1		1
		ALEXANDER BBD ANGEL 2		5	5	19	37	5	51	36	50	38	40	42	46			1		1
ALEXANDER BBD KHALISI	2021	ALEXANDER BBD THE GREATEST MAX	8.50	111	94	98	119	104	111	102	93	94	105	109	103	13	2	2		
		COMPADRE SANTANA		5	5	8	46	12	64	46	63	47	50	53	58			2		
AFRIKA FIONA 4	2022	MES RUBENSTEIN	14.24	113	71	120	118	126	110	110	114	117	103	118	118	7	2	1		
		LOMBARD SUPERIOR AFRIKA 4X4		5	20	36	55	35	68	55	67	56	57	59	63			1		

