

Boerboel Genetic Evaluation

SA Stud Book
February 2026

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43 ARAROMI AGBABIAKA

1 LORIN

KWARA STATE

NIGERIA



Kennel Number: 713698



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.

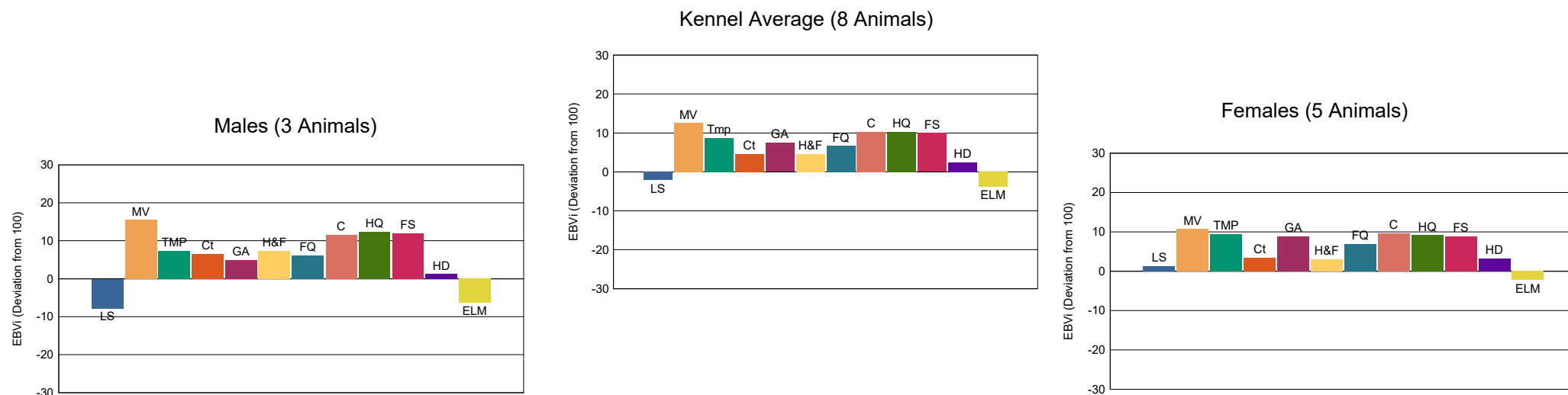
Genetic Trends: The Genetic Trends indicate the genetic change that occurred over time in the animals bred by the breeder compared to that of the breed. These are calculated as the average of the breeding values of all measured animals bred by the breeder, per year of birth.

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)	98	92	101
Movement (Mv)	113	116	111
Temperament (Tmp)	109	107	109
Coat (Ct)	105	107	103
General Appearance	107	105	109
Head & Face (H&F)	105	107	103
Front Quarter (FQ)	107	106	107
Centre (C)	110	112	110
Hind Quarter (HQ)	110	112	109
Final Score (FS)	110	112	109
Hip Health (HH)	102	101	103
Elbow Health (ELM)	96	94	98

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.

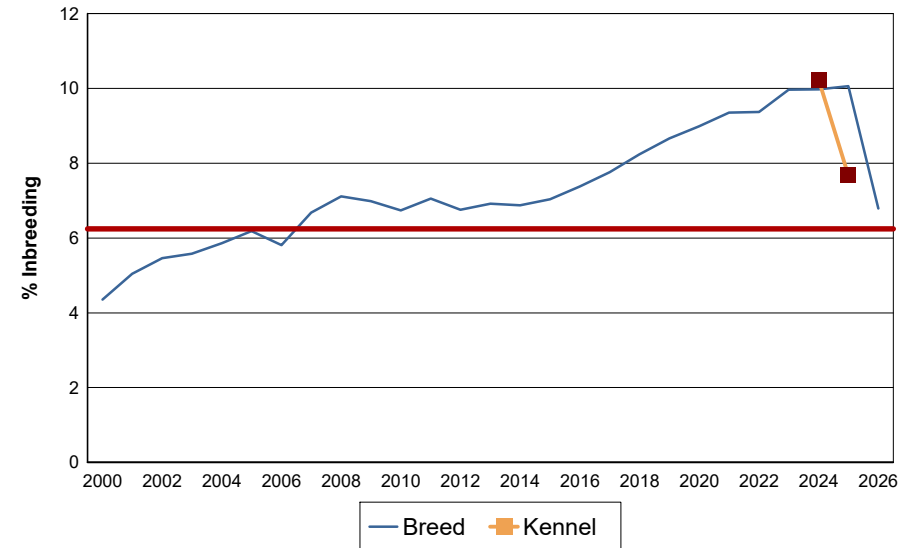
It is therefore highly recommended to record pedigree information as accurately. Inbreeding is dependent on pedigree information. Conventional methods for the calculation of inbreeding coefficients usually assume that unknown parents are unrelated, which is usually far from the truth. Inbreeding coefficients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

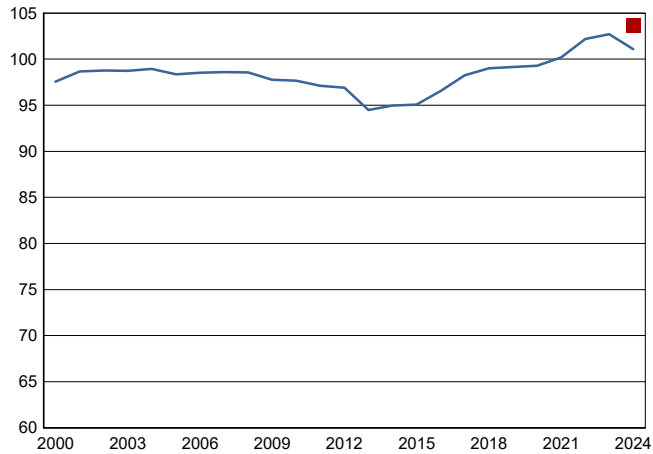


Inbreeding Levels

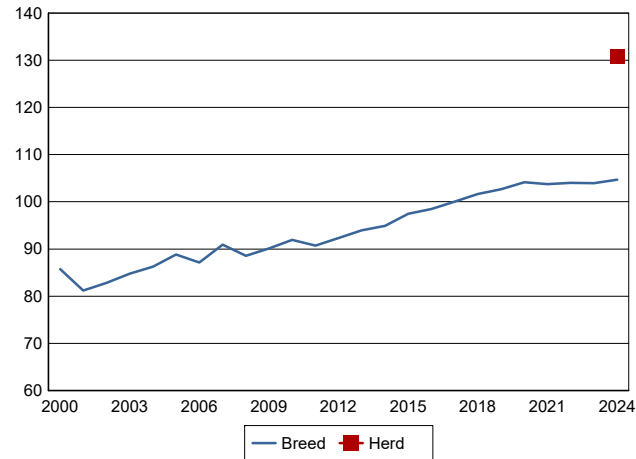
	All Animals		Males		Females		Sires		Dams	
	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed
Number	8	49007	3	25141	5	23857	6	3371	7	6287
Average Inbreeding	10.80	8.49	13.83	8.46	8.99	8.53	10.96	8.01	8.56	8.00
Number inbred	8	48727	3	24990	5	23728	6	24990	7	23728
Number >6.25% Inbr.	8	30600	3	15537	5	15058	4	15537	5	15058

Genetic Trends

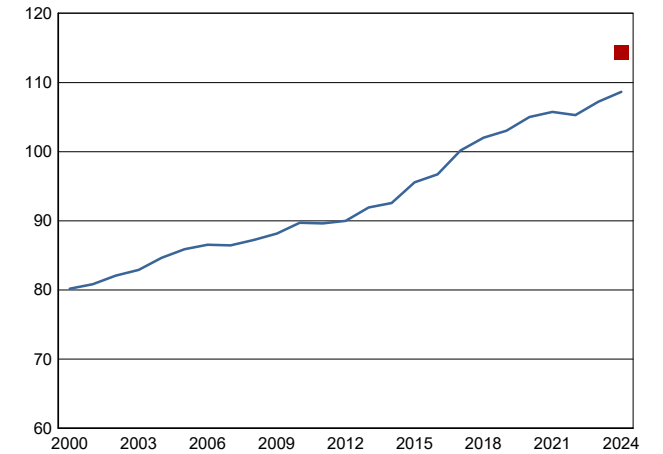
Litter Size



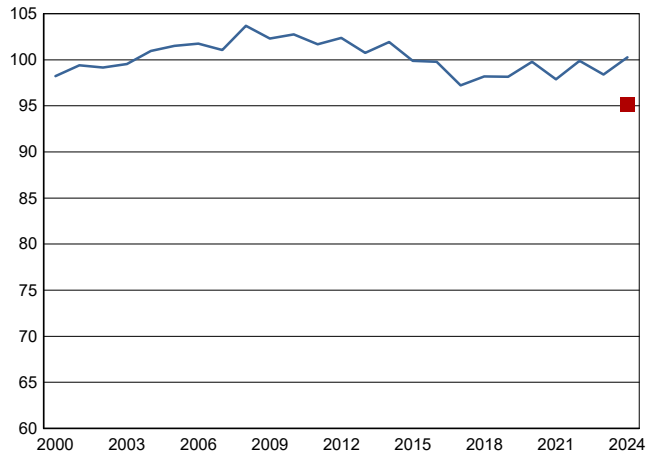
Movement



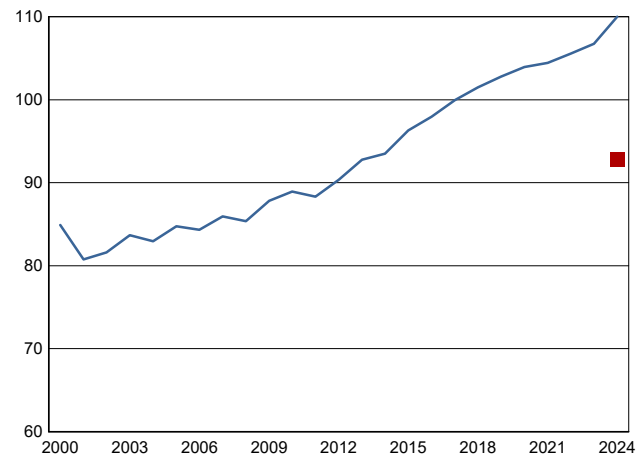
Temperament



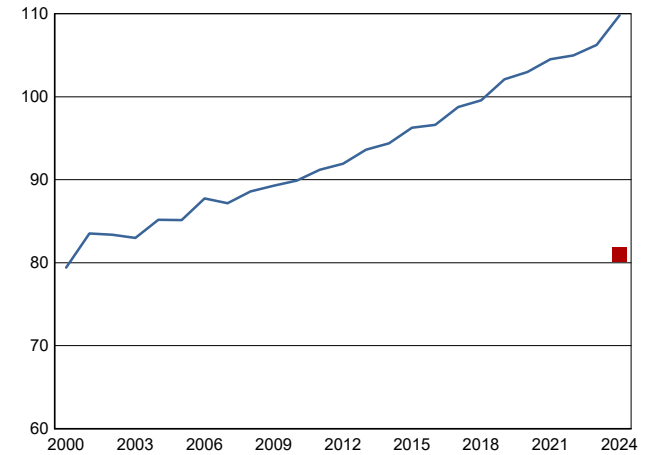
Coat



General Appearance

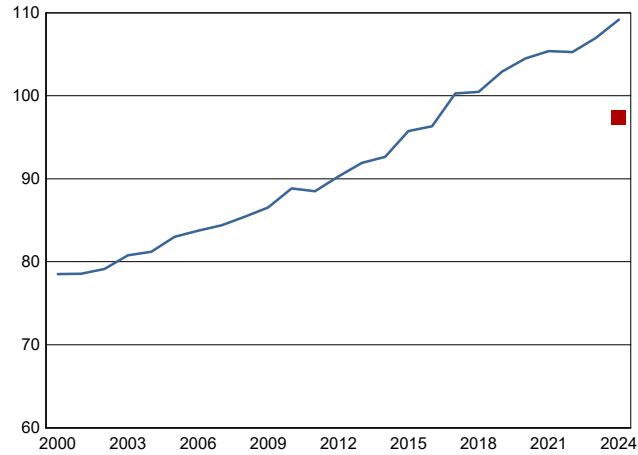


Head & Face

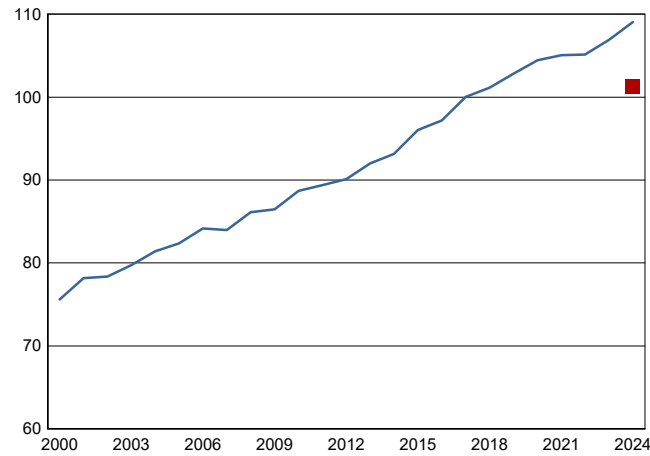


Genetic Trends

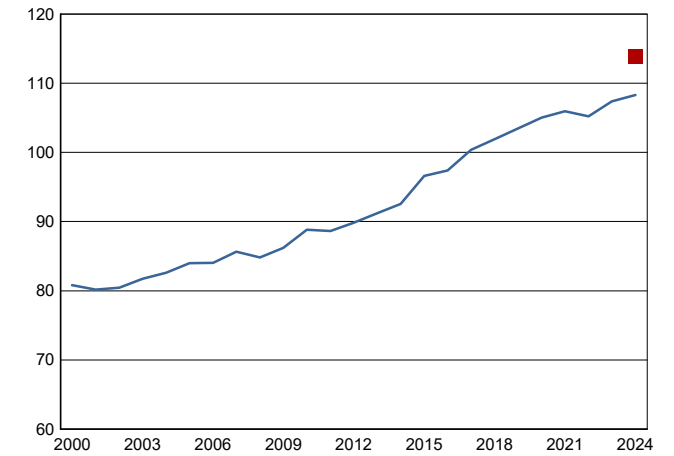
Front Quarter



Centre

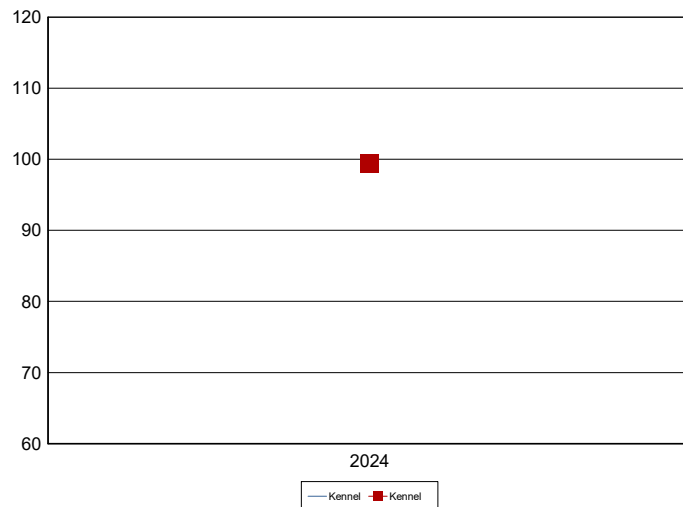


Hind Quarter

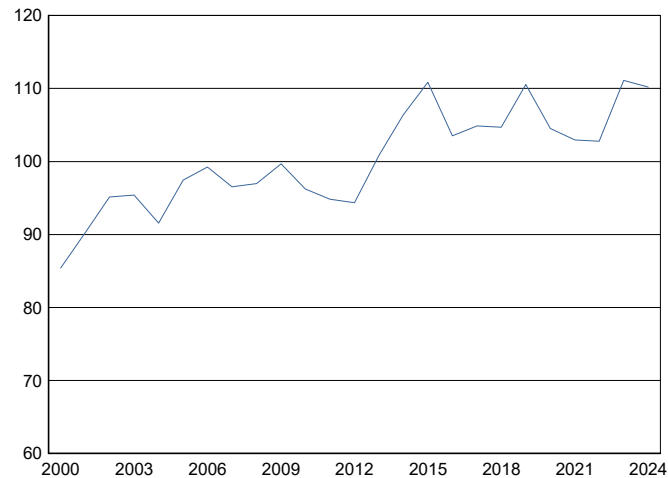


Final Score & Health Traits

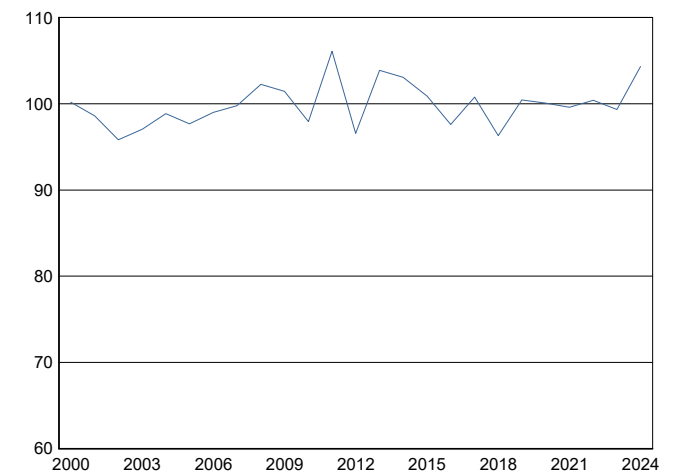
Final Score



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	
TBK KING ARTHUR		RULIN MAX 8	10.45	114	91	90	125	117	111	116	116	109	121	116	121	3	1				
	2022	ELEVATION SELECTA		5	5	16	44	5	61	43	60	44	47	50	55						
SKYVISION MERLIN		SKYVISION FIREBALL	18.52	97	91	84	105	94	100	95	114	107	109	111	110	5	1				
	2022	SKYVISION WINNIE		5	5	5	32	5	57	31	55	33	37	41	49						
DAROYAL DEXTER II		TARGUS DEXTER	12.51	93	99	104	116	111	110	103	93	103	105	110	105						
	2024	BOSTU CHANTANE		5	5	13	34	5	46	33	46	35	36	38	42						

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	Progeny with litters
BOSTU CHANTANE	2021	ELEVATION COOPER	9.07	99	81	125	115	109	117	97	88	98	89	108	99	7	2	1			
		BOSTU ASHANTI		22	37	47	57	36	68	56	68	57	59	61	64			1			
SKYVISION TASHA	2022	SKYVISION GEORGE	6.56	115	100	84	103	111	93	123	121	117	121	111	118	3	1				
		ELEVATION CANDY		5	5	9	46	10	63	45	62	47	49	52	58						
ART OF VALOUR TOKYO	2022	TARGUS DEXTER	7.90	94	114	107	91	98	111	112	108	110	115	99	107	10	2				
		BOUWER ZATYA		5	5	5	43	7	62	42	61	44	47	50	56						
DAROYAL LAGERTHA	2024	TARGUS DEXTER	12.51	93	99	104	131	114	95	93	81	97	101	114	99						
		BOSTU CHANTANE		5	5	13	41	8	58	41	57	42	45	47	52						
DAROYAL TREASURE II	2025	TBK KING ARTHUR	8.89	115	95	87	114	114	102	120	118	113	121	114	120						
		SKYVISION TASHA		5	5	5	24	5	39	23	38	25	27	30	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	Progeny with litters		
ELEVATION COOPER		GROENBERG BBD RAMBO	4.48	112	60	98	111	134	95	126	121	125	124	125	127	127	21	52	10 10	37	
	2015	HAZENJACHT BBD FIELLA		56	68	70	81	64	89	81	89	82	83	84	87		39			7	
RULIN MAX 8		QUREDU GHANDI	18.68	122	89	79	128	107	112	91	107	102	111	114	113	30	6	7		6	
	2016	MIDDELPOS BBD ROXI II		5	5	14	50	11	66	49	65	51	53	56	61		5			3	
TARGUS DEXTER		BOSTU BUDDY	8.29	87	117	82	117	114	102	110	98	109	121	112	111	20	5	4		2	
	2019	TARGUS DEKA		5	5	22	54	26	71	53	70	54	57	60	65		3			1	
SKYVISION GEORGE		SKYVISION GEORGIA	19.01	100	85	86	102	96	122	115	113	103	105	106	111	62	14	14	1 1	13	
	2019	SKYVISION AREWA		5	5	8	57	14	75	56	74	58	61	64	69		13			1	
SKYVISION FIREBALL		SKYVISION GEORGIA	4.85	94	90	88	93	100	94	112	120	113	115	106	113	12	3	6		1	
	2019	ALEXANDER BBD LENTE		5	5	26	48	18	65	47	64	49	52	54	60		6			1	
TBK KING ARTHUR		RULIN MAX 8	10.45	114	91	90	125	117	111	116	116	109	121	116	121	3	1				
	2022	ELEVATION SELECTA		5	5	16	44	5	61	43	60	44	47	50	55						

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	
ELEVATION SELECTA	2018	ELEVATION AROS	4.98	106	93	100	123	122	106	131	117	110	131	121	125	16	3	6	1	1	6
		ZUKANDI CASSY		38	56	55	59	36	73	58	72	60	62	64	69		6				2
BOUWER ZATYA	2019	BOUWER NELSON I	11.91	100	110	132	84	89	110	105	105	105	102	87	98	14	1	2			2
		BOUWER KENDRA		5	5	29	50	16	68	49	67	51	54	57	62		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
ELEVATION CANDY	2020	LINGA LONGA HARLEY 3	5.39	131	114	82	109	113	90	117	119	117	121	110	117	4	1	2			2
		ELEVATION MIAMI		11	31	39	57	32	71	56	70	57	60	62	66		2				1
SKYVISION WINNIE	2020	SKYVISION GEORGIA	9.86	99	92	79	111	92	107	89	107	104	100	109	106	1	1	1			1
		GIANTS OF AFRICA CHEYENNE		5	5	31	40	5	54	39	54	41	43	45	50		1				1
BOSTU CHANTANE	2021	ELEVATION COOPER	9.07	99	81	125	115	109	117	97	88	98	89	108	99	7	2	1			
		BOSTU ASHANTI		22	37	47	57	36	68	56	68	57	59	61	64		1				
SKYVISION TASHA	2022	SKYVISION GEORGE	6.56	115	100	84	103	111	93	123	121	117	121	111	118	3	1				
		ELEVATION CANDY		5	5	9	46	10	63	45	62	47	49	52	58						

