

Boerboel Genetic Evaluation

SA Stud Book
February 2026

0 0 SAGTE TYE BOERBOELS

16 ST. GOTHARD AVENUE
MAYFAIR WEST
JOHANNESBURG
2092



Kennel Number: 713304



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.

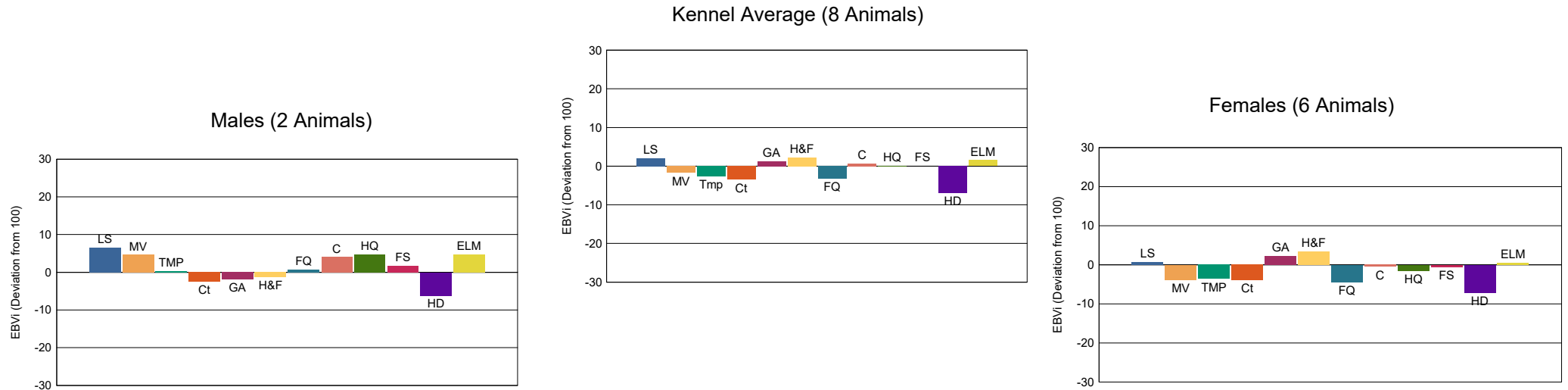
Genetic Trends: The Genetic Trends indicate the genetic change that occurred over time in the animals bred by the breeder compared to that of the breed. These are calculated as the average of the breeding values of all measured animals bred by the breeder, per year of birth.

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)	102	107	101
Movement (Mv)	98	105	96
Temperament (Tmp)	97	100	96
Coat (Ct)	96	98	96
General Appearance	101	98	102
Head & Face (H&F)	102	99	103
Front Quarter (FQ)	97	101	96
Centre (C)	101	104	100
Hind Quarter (HQ)	100	105	99
Final Score (FS)	100	102	99
Hip Health (HH)	93	94	93
Elbow Health (ELM)	102	105	100

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.

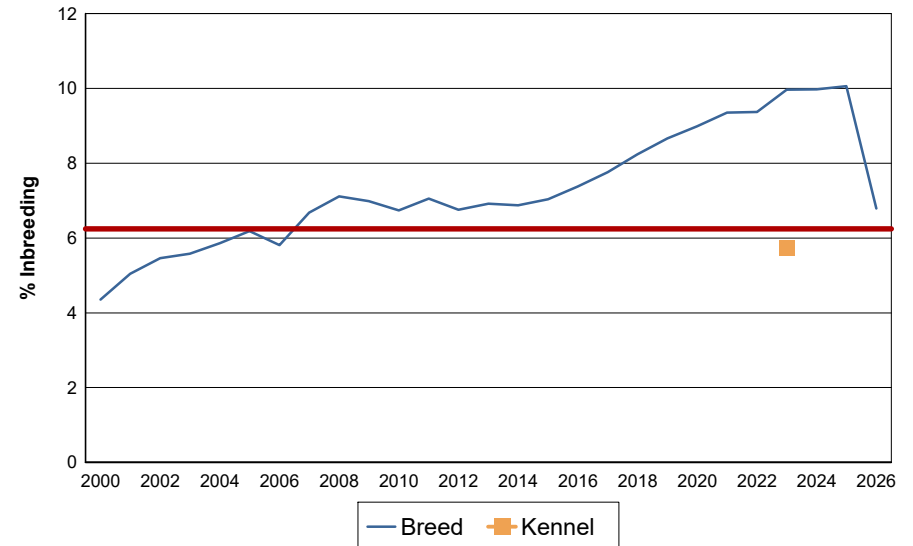
It is therefore highly recommended to record pedigree information as accurately. Inbreeding is dependent on pedigree information. Conventional methods for the calculation of inbreeding coefficients usually assume that unknown parents are unrelated, which is usually far from the truth. Inbreeding coefficients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

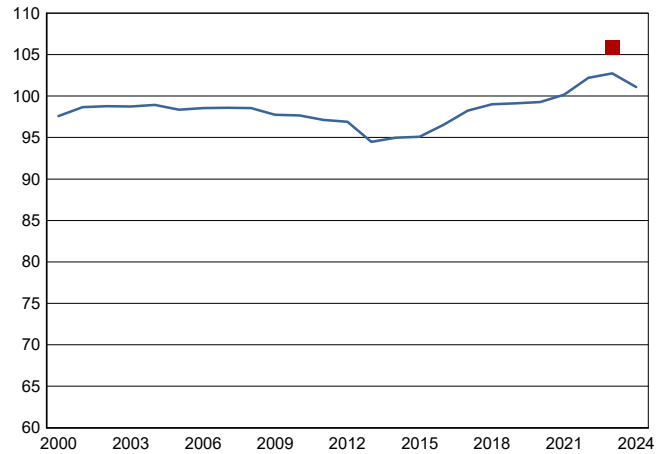


Inbreeding Levels

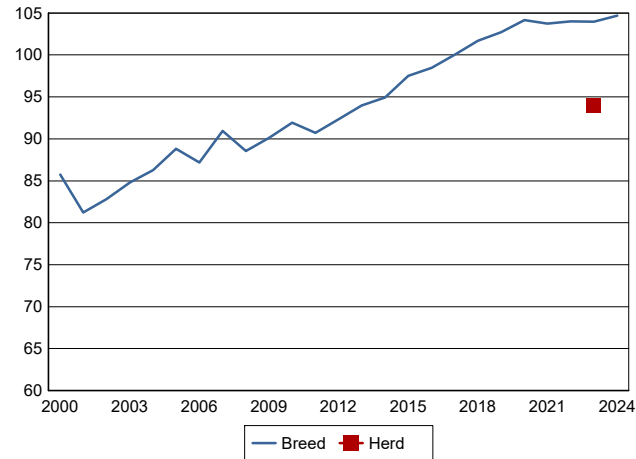
	All Animals		Males		Females		Sires		Dams	
	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed
Number	8	49007	2	25141	6	23857	6	3371	6	6287
Average Inbreeding	6.94	8.49	6.67	8.46	7.02	8.53	4.89	8.01	5.97	8.00
Number inbred	8	48727	2	24990	6	23728	6	24990	6	23728
Number >6.25% Inbr.	4	30600	1	15537	3	15058	1	15537	2	15058

Genetic Trends

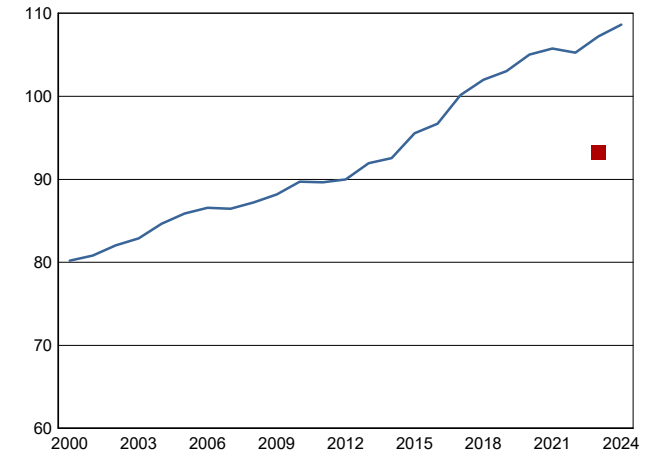
Litter Size



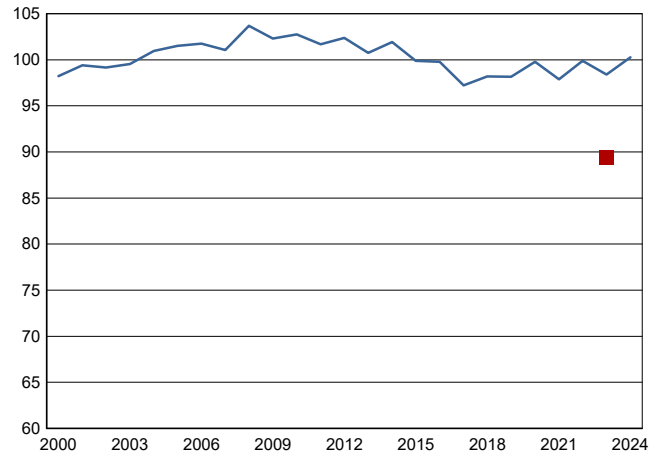
Movement



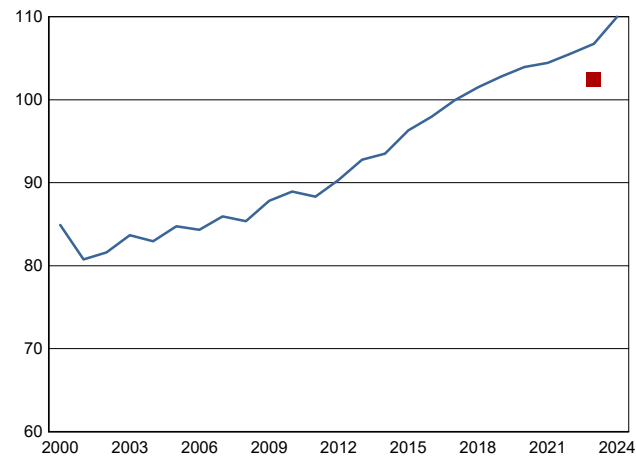
Temperament



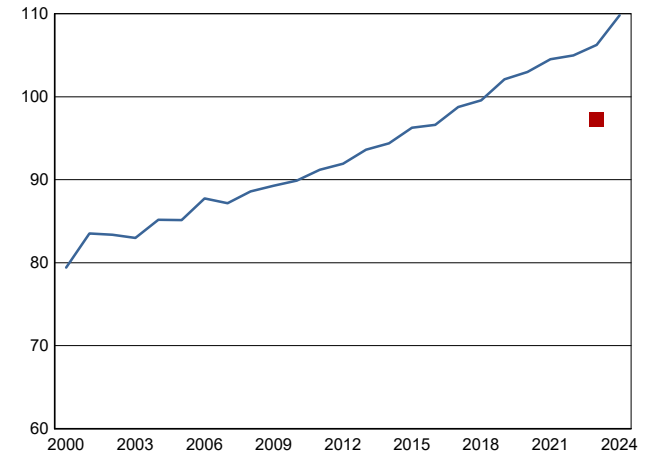
Coat



General Appearance

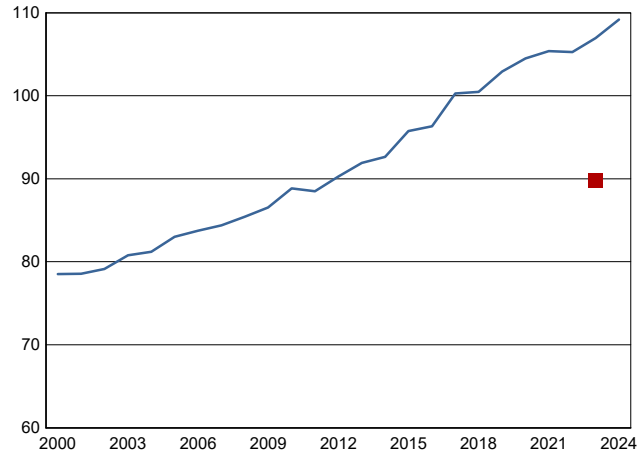


Head & Face

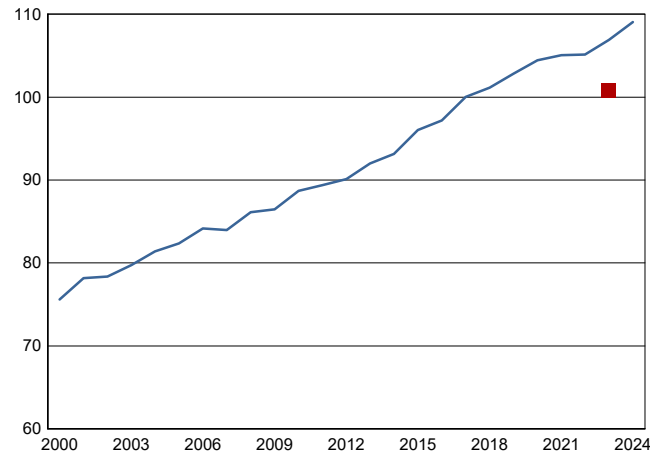


Genetic Trends

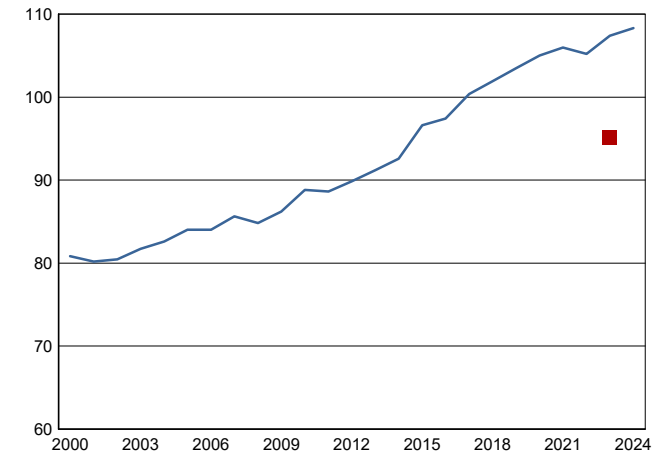
Front Quarter



Centre



Hind Quarter

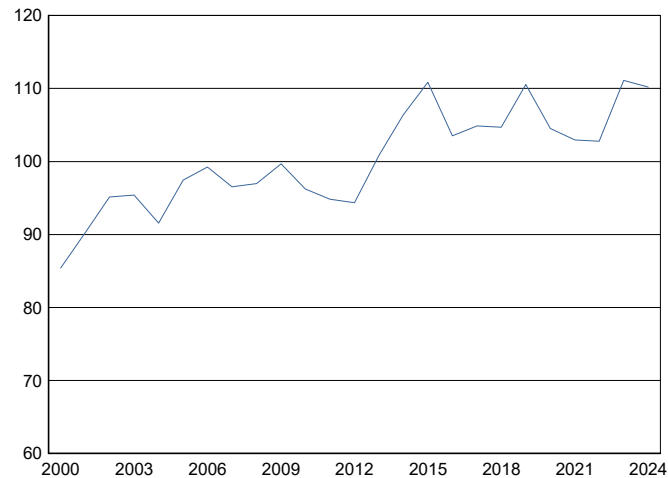


Final Score & Health Traits

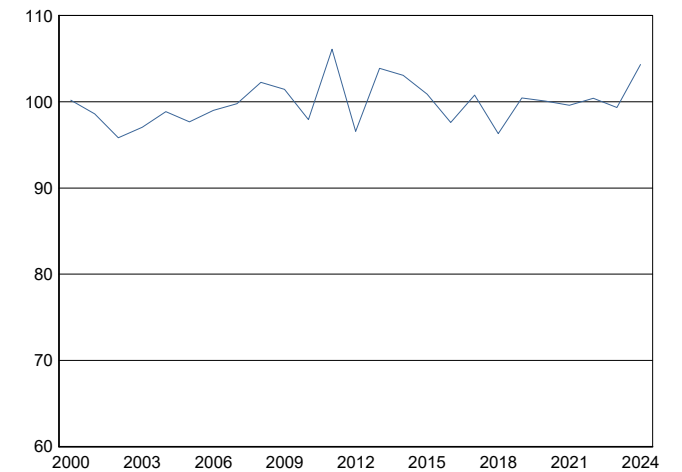
Final Score



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	
SAGTE TYE ZEUS		KINGSTON NERO	5.74	91	104		94	94	91	105	96	92	104	94	95						
	2023	BRAAMBOS CLEOPATRA		5	5		37	5	55	37	54	38	41	43	49						
SWARTKOP BOERBOEL SAGTE TYE MAVERICK		GT BOELA SWARTKOP BOESMAN	7.60	96	106		115	107	104	91	101	110	104	115	108						
	2024	SWARTKOP BOERBOEL AVA		5	5		26	5	42	26	41	27	30	32	37						

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 Progeny Litters	Progeny Progeny Kennels	Hips Elbows	Progeny with litters
BRAAMBOS CLEOPATRA	2018	BRAAMBOS STORM	5.67	93	98	109	101	101	84	95	104	101	99	96	99	11	1	5	
		BRAAMBOS APPELTERTJIE		5	5	26	45	19	61	44	60	46	48	51	56			3	
COLOS IVY	2023	SPITSVUUR BBD SWARTKOP MUFASA	9.71	88	114	91	84	91	103	114	109	94	107	98	103				
		COLOS FUDGE		5	5	8	39	5	58	41	57	40	43	46	51				
SAGTE TYE ZURAH	2023	KINGSTON NERO	5.74	91	104		92	93	93	101	93	89	96	96	92				
		BRAAMBOS CLEOPATRA		5	5		37	5	55	37	54	38	41	43	49				
SAGTE TYE XENA	2023	KINGSTON NERO	5.74	91	104		93	90	91	102	99	84	97	91	93				
		BRAAMBOS CLEOPATRA		5	5		37	5	55	37	54	38	41	43	49				
BANDIT SAGTE TYE CORA	2023	KRATOS ARYAN	8.28	96	105	91	87	90	106	94	106	95	94	105	100				
		BREKER KATRIEN		5	5	5	33	5	46	31	45	33	35	38	42				
KINGSTON SAGTE TYE BAILEY	2024	TAUNG DIGIT	7.00	98	78	100	120	114	101	107	110	111	104	106	110				
		KINGSTON COCO		5	5	5	28	5	44	24	43	29	31	34	39				

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 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	
SPITSVUUR BBD SWARTKOP MUFASA	2016	VILLA ROUGE BOZNO	3.48	87	111	100	81	76	112	92	90	75	89	95	87	21	3	9		5
		SPITSVUUR BBD MADDIE		5	5	27	53	28	68	52	67	54	56	58	63					
BRAAMBOS STORM	2017	SUMSARE HERCULES	4.54	94	98	100	84	98	76	105	119	112	95	88	100	13	2	3		2
		AFRIKA LILAH		11	5	32	55	29	71	54	70	56	58	61	66					
KINGSTON NERO	2020	LOU-ANDRE BREKER	3.77	89	110	102	86	86	100	105	94	82	102	94	93	42	10	8		1
		JAMBAL LIELA		5	5	28	52	24	66	51	65	52	55	57	62					
TAUNG DIGIT	2022	TRUE NEGRO	6.71	97	98	99	119	110	100	108	112	105	99	101	108	33	7	1		
		ROKAFELA CHELSEA		5	5	5	46	10	66	43	64	47	50	53	59					
KRATOS ARYAN	2022	KADIMA TROMPIE	5.23	88	103	101	82	88	114	76	98	95	87	106	96	14	5	2		1
		JACOB RITA		5	5	5	46	14	63	43	62	46	49	52	57					
GT BOELA SWARTKOP BOESMAN	2022	MAJALI MAX 2	5.63	100	108	108	108	98	109	94	102	102	98	111	105	10	2			
		CDH SASHA III		5	5	22	46	13	64	45	63	46	49	52	58					

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	
BRAAMBOS APPELTERTJIE	2016	MES BITE A BULLET	4.05	93	98	102	103	97	94	100	91	81	96	93	91	16	3	3		3
		BRAAMBOS KOLWYNTJIE		5	22	49	59	39	72	59	71	60	62	64	68			3		1
BRAAMBOS CLEOPATRA	2018	BRAAMBOS STORM	5.67	93	98	109	101	101	84	95	104	101	99	96	99	11	1	5		
		BRAAMBOS APPELTERTJIE		5	5	26	45	19	61	44	60	46	48	51	56			3		
BREKER KATRIEN	2019	DELATRO X'WINSLO	5.11	104	107	82	92	93	97	112	113	95	101	104	105	13	4	5		1
		BREKER BELLA		5	5	43	55	32	68	55	67	56	58	60	64			2		1
KINGSTON COCO	2021	AFRIKA BRUTUS 6	5.44	98	59	101	120	118	102	107	107	116	109	111	113	7	2	1		
		DEXTRA DELILAH		5	17	36	47	19	66	45	64	48	50	53	59			1		
COLOS FUDGE	2022	COLOS RENOSTER	8.68	90	118	82	97	107	102	124	118	111	121	104	115	3	3	1		
		COLOS FLAVIA		5	5	39	39	11	52	48	51	40	41	44	47			1		
SWARTKOP BOERBOEL AVA	2022	FONT BOERBOELS GUN SMOKE	6.90	93	104	106	123	116	100	88	100	118	110	119	112	26	3	1		
		MES PAULKA		5	5	33	50	25	67	50	66	51	54	56	62			1		

