

Boerboel Genetic Evaluation

SA Stud Book
February 2026

MR K. MLAMBO

5776 DZIVARASEKWA

EXTENSION

HARARE

ZIMBABWE



Kennel Number: 702114



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.

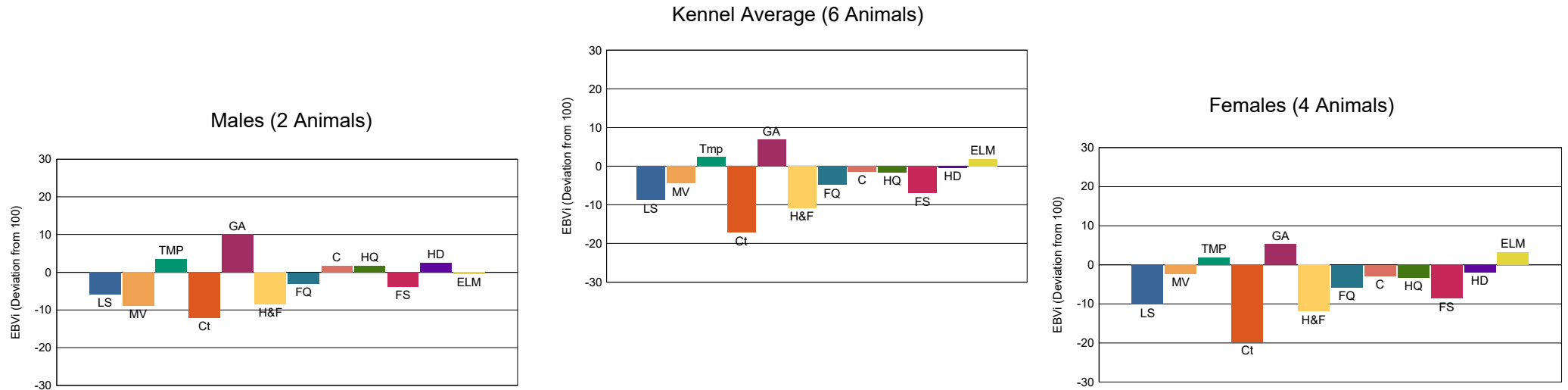
Genetic Trends: The Genetic Trends indicate the genetic change that occurred over time in the animals bred by the breeder compared to that of the breed. These are calculated as the average of the breeding values of all measured animals bred by the breeder, per year of birth.

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)	91	94	90
Movement (Mv)	95	91	98
Temperament (Tmp)	102	103	102
Coat (Ct)	83	88	80
General Appearance	107	110	105
Head & Face (H&F)	89	91	88
Front Quarter (FQ)	95	97	94
Centre (C)	99	102	97
Hind Quarter (HQ)	98	102	97
Final Score (FS)	93	96	91
Hip Health (HH)	100	103	98
Elbow Health (ELM)	102	99	103

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.

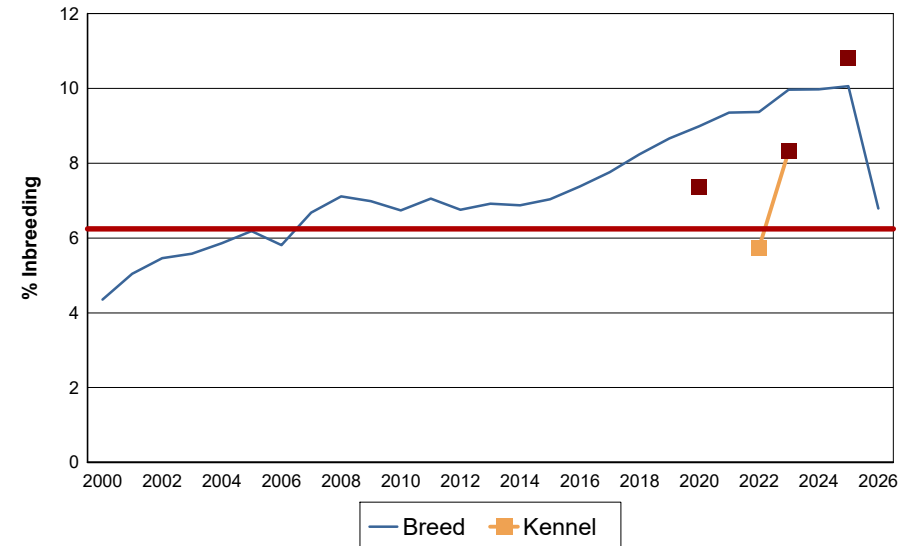
It is therefore highly recommended to record pedigree information as accurately. Inbreeding is dependent on pedigree information. Conventional methods for the calculation of inbreeding coefficients usually assume that unknown parents are unrelated, which is usually far from the truth. Inbreeding coefficients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

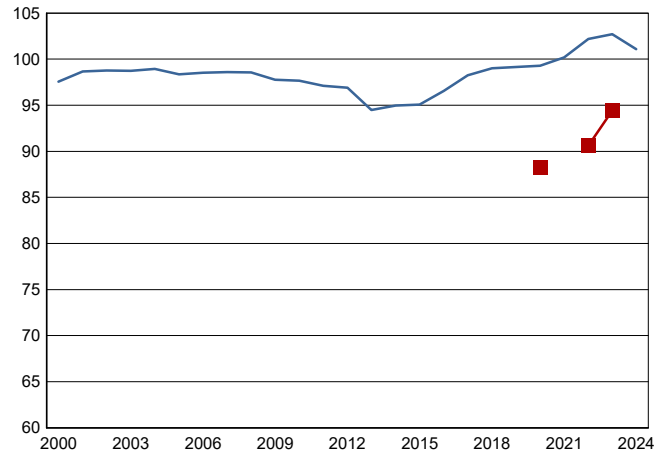


Inbreeding Levels

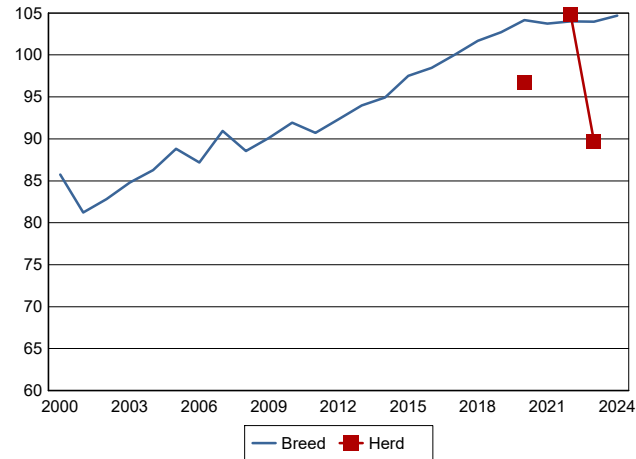
	All Animals		Males		Females		Sires		Dams	
	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed
Number	6	49007	2	25141	4	23857	5	3371	3	6287
Average Inbreeding	8.37	8.49	9.62	8.46	7.74	8.53	8.13	8.01	11.92	8.00
Number inbred	6	48727	2	24990	4	23728	5	24990	3	23728
Number >6.25% Inbr.	6	30600	2	15537	4	15058	5	15537	3	15058

Genetic Trends

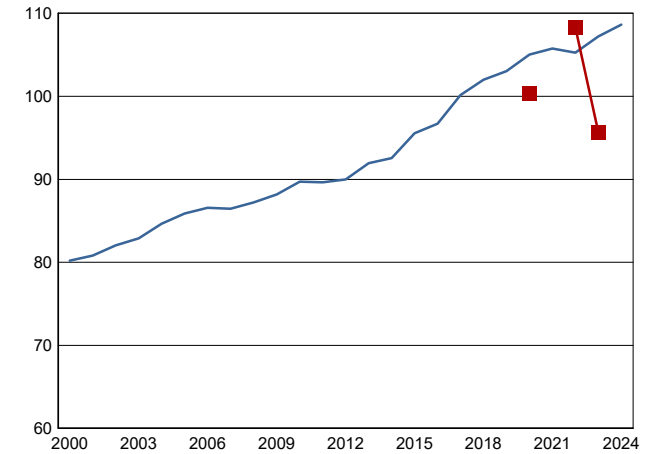
Litter Size



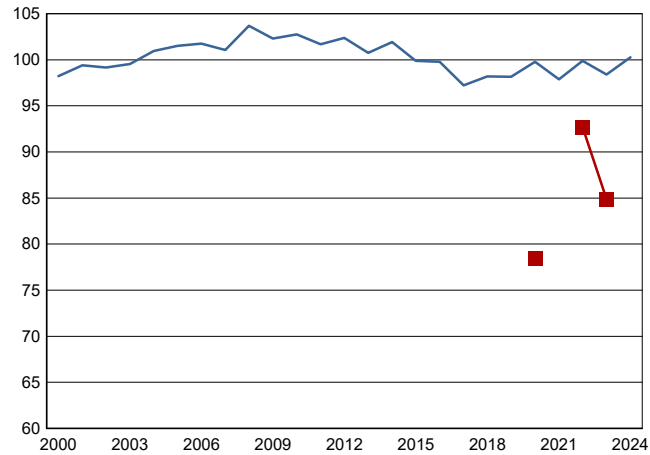
Movement



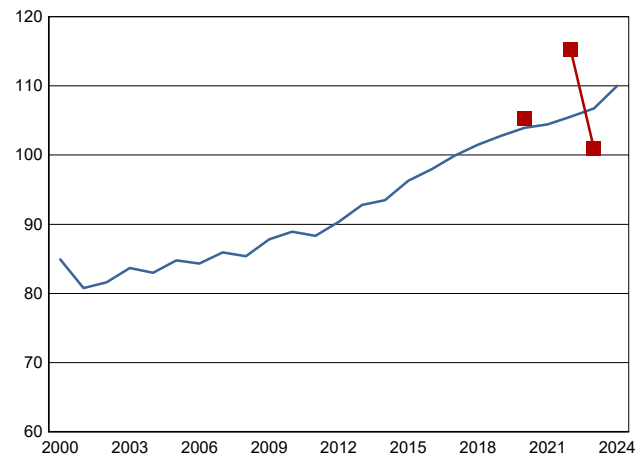
Temperament



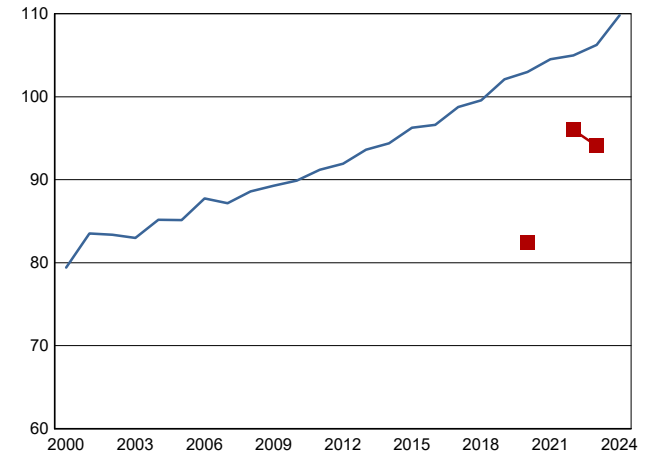
Coat



General Appearance

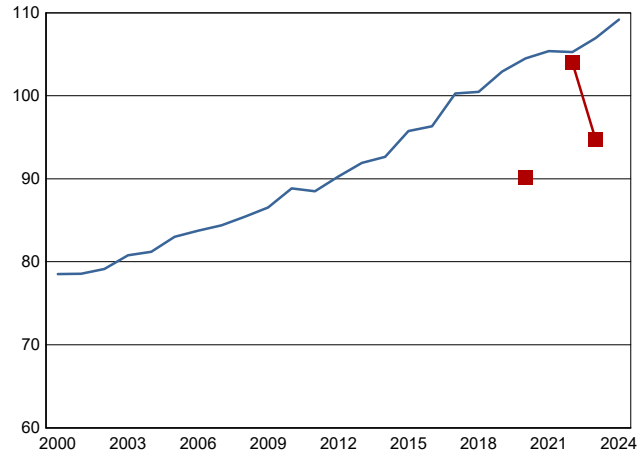


Head & Face

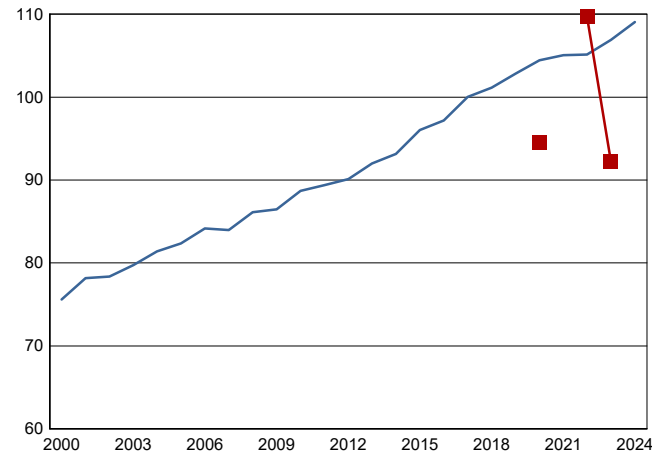


Genetic Trends

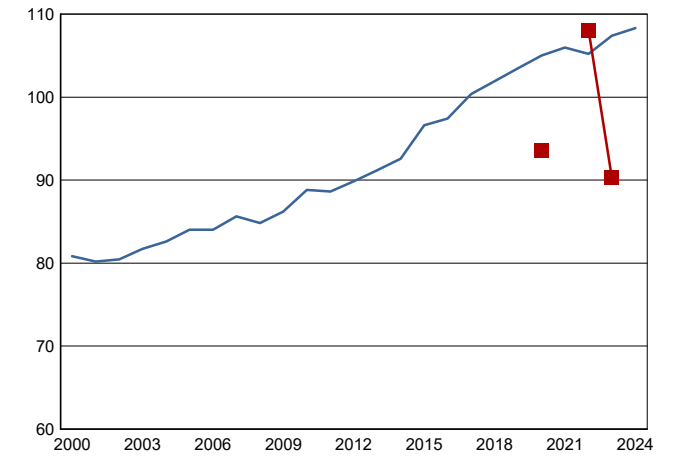
Front Quarter



Centre

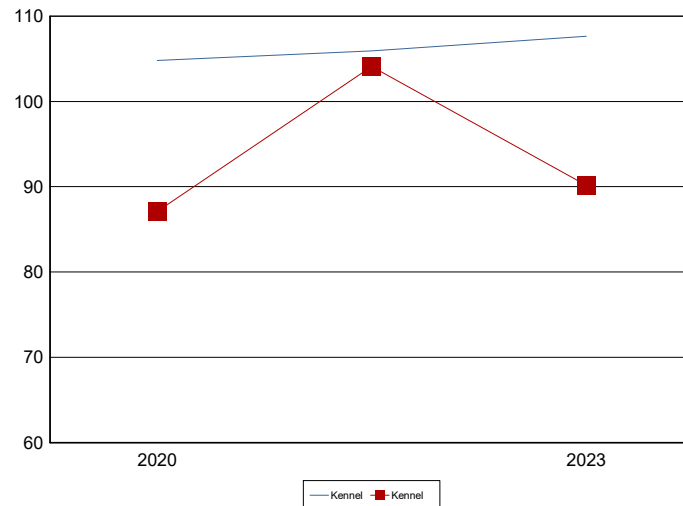


Hind Quarter

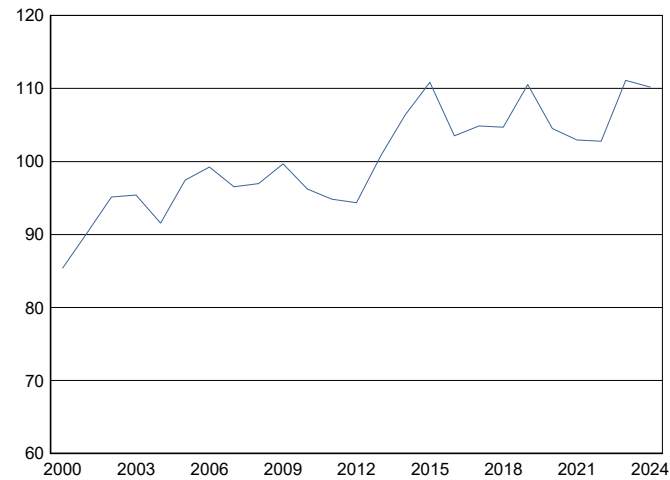


Final Score & Health Traits

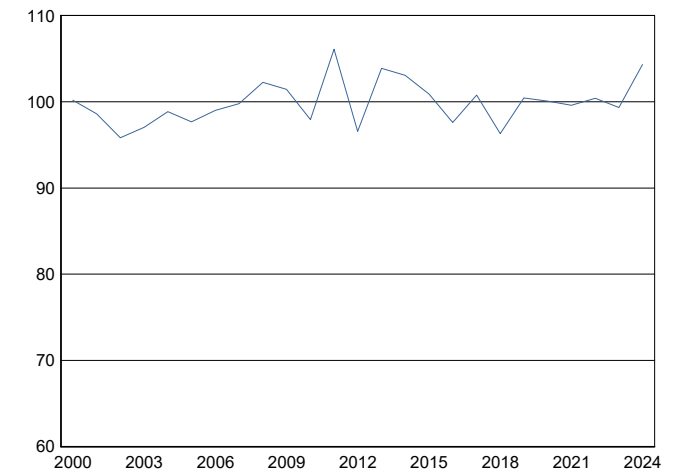
Final Score



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	
DZIMBAHWE TONGO		DTK JOHN WICK	8.41	105	101	93	76	98	88	109	92	95	99	96	92						
	2023	IVANOK CHINA		5	5	5	32	5	51	32	50	33	36	39	45						
DZIMBAHWE DJANGO		IVANOK THAINOS	10.83	100	98	95	106	109	87	111	91	99	105	107	100						
	2025	DZIMBAHWE BONA		5	5	5	15	5	33	14	32	16	19	22	28						

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 Litters	Progeny Kennels	Hips Elbows	Progeny with litters
IVANOK CHINA	2018	IVANOK HEROD CABARET RUBY	7.97	99 5	109 5	88 16	98 34	107 5	66 49	109 34	85 48	94 35	100 37	99 40	91 44	5	2	3 2		2 1
DZIMBAHWE BONA	2020	KING GRANITE JECHA IVANOK CHINA	7.37	98 5	101 5	88 5	97 38	100 5	78 57	105 38	83 55	90 39	95 42	94 45	87 50	9	3	5 4		
DZIMBAHWE OLIVIA	2020	KING GRANITE JECHA IVANOK CHINA	7.37	98 5	101 5	88 5	98 26	104 5	88 40	110 26	84 39	95 27	101 29	102 32	94 36					
DZIMBAHWE LYN	2023	BBS VICTOR-MAXIMUS DZIMBAHWE BONA	8.27	97 5	102 5	95 5	98 36	95 5	88 53	97 35	100 52	98 37	92 39	92 42	94 47					

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
IVANOK HEROD		SPITSVUUR BBD MZAK	7.81	103	117	89	118	112	101	118	110	107	111	105	112	13 4	3 3		5 2
	2014	KLEIN SANDFONTEIN SAVANNAH		5	5	28	37	5	53	36	52	37	40	43	48				
BBS VICTOR-MAXIMUS		MES HILUX	8.13	96	102	102	99	93	100	94	105	102	90	90	96	16 4	9 7		
	2019	MES KIARA		5	5	28	55	32	70	55	69	56	58	60	65				
KING GRANITE JECHA		GIANTS OF AFRICA SCORPION	9.92	98	93	89	98	101	110	110	84	96	102	105	97	17 7	5 4		6 3
	2019	GIANTS OF AFRICA HAVOCKESS		5	5	31	52	23	69	51	68	53	55	58	63				
IVANOK THAINOS		GIANTS OF AFRICA GUNSLINGER	8.09	102	94	102	115	117	96	116	100	108	114	121	113	7 2	4 4		
	2019	IVANOK SARAFINA		5	5	17	36	10	50	35	49	37	39	41	45				
DTK JOHN WICK		ELEVATION TRIOMF	6.71	111	94	99	52	91	113	112	118	102	99	93	103	26 9	7 6		1 1
	2021	MARVILLOSO GRIZELDA BLANCA		5	5	7	42	12	58	41	57	43	45	47	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- r ament	Coat	General Appear.	Head & Face	Front Quarter	Centre	Hind Quarter	Final Score	Progeny	Litters	Progeny Kennels	Hips	Elbows	
CABARET RUBY		CABARET SON OF A GUN	20.42	95	101	87	83	105	44	102	65	85	96	103	78	15	2	4			3
	2013	CABARET MISS UNIVERSE		5	5	41	57	35	70	57	69	58	60	62	66			3			2
IVANOK CHINA		IVANOK HEROD	7.97	99	109	88	98	107	66	109	85	94	100	99	91	5	2	3			2
	2018	CABARET RUBY		5	5	16	34	5	49	34	48	35	37	40	44			2			1
DZIMBAHWE BONA		KING GRANITE JECHA	7.37	98	101	88	97	100	78	105	83	90	95	94	87	9	3	5			
	2020	IVANOK CHINA		5	5	5	38	5	57	38	55	39	42	45	50			4			

