

Boerboel Genetic Evaluation

SA Stud Book
February 2026

MR T.J. MADZIKATIRE

169 WILLSGROOVE PARK

0

BULAWAYO

ZIMBABWE



Kennel Number: 694377



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.

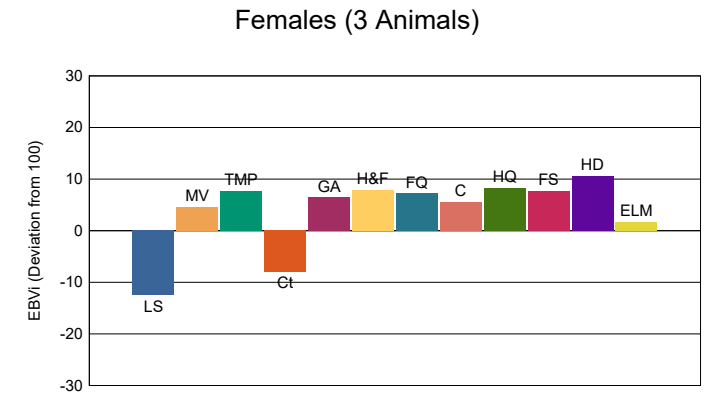
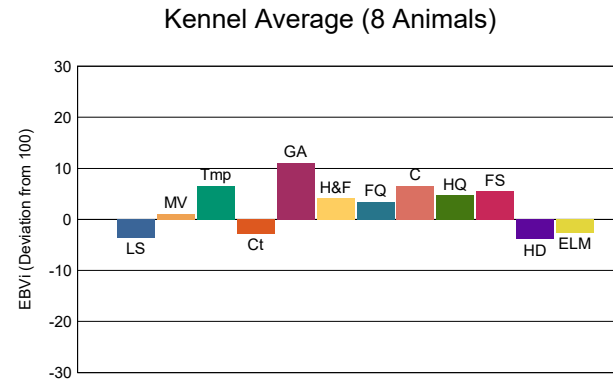
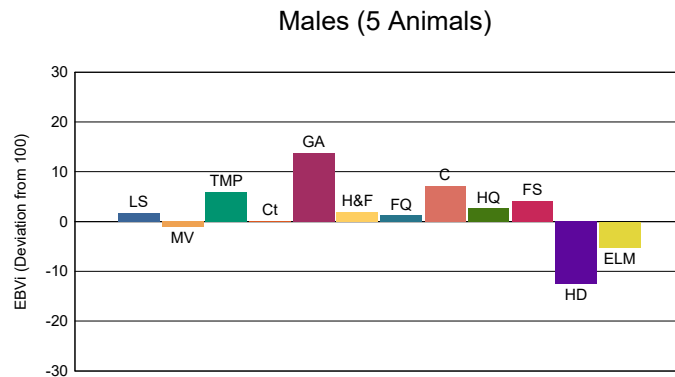
Genetic Trends: The Genetic Trends indicate the genetic change that occurred over time in the animals bred by the breeder compared to that of the breed. These are calculated as the average of the breeding values of all measured animals bred by the breeder, per year of birth.

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	102	88
Movement (Mv)	101	99	105
Temperament (Tmp)	107	106	108
Coat (Ct)	97	100	92
General Appearance	111	114	106
Head & Face (H&F)	104	102	108
Front Quarter (FQ)	103	101	107
Centre (C)	107	107	106
Hind Quarter (HQ)	105	103	108
Final Score (FS)	105	104	108
Hip Health (HH)	96	87	111
Elbow Health (ELM)	97	95	102

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.

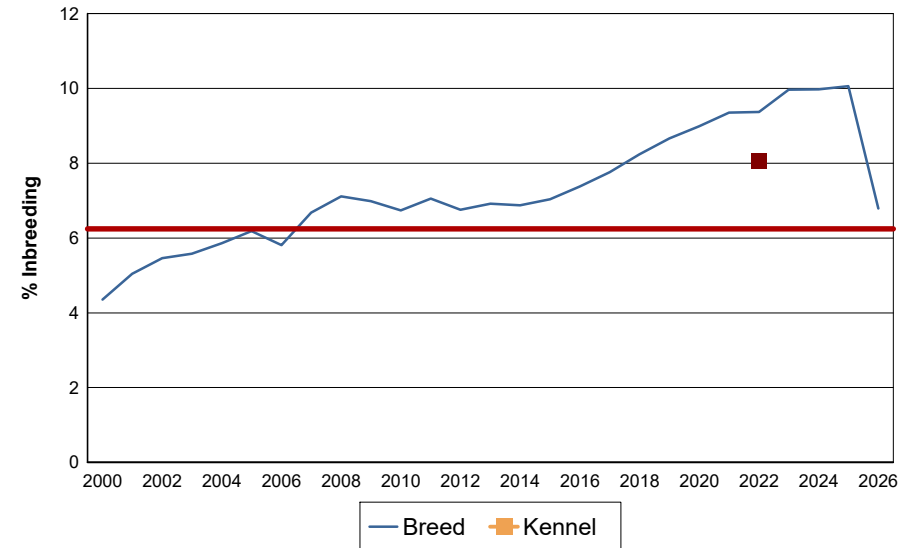
It is therefore highly recommended to record pedigree information as accurately. Inbreeding is dependent on pedigree information. Conventional methods for the calculation of inbreeding coefficients usually assume that unknown parents are unrelated, which is usually far from the truth. Inbreeding coefficients 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	5	25141	3	23857	7	3371	7	6287
Average Inbreeding	9.73	8.49	10.90	8.46	7.78	8.53	10.22	8.01	11.05	8.00
Number inbred	8	48727	5	24990	3	23728	7	24990	7	23728
Number >6.25% Inbr.	7	30600	5	15537	2	15058	5	15537	6	15058

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	
HERBERG RYDER		TARGUS RAM	13.19	74	109	86	97	103	92	115	100	98	110	100	102				
	2021	BOSTU DESSERT VIXEN		5	5	34	49	30	57	49	57	49	51	52	55				
MIGHTY ELAND GUYS N'GENTS		GIANTS OF AFRICA GUNSLINGER	8.67	107	104	117	103	99	93	108	93	97	105	109	100				
	2021	AFRICAN LONG LEG LADYBOSS GOLIATHA		5	5	5	19	5	33	19	32	20	22	25	29				
BOSTU BOB		BOSTU DADDY COOL	8.31	76	64	122	103	129	104	140	115	106	124	123	123				
	2021	AFRIKA ZUZKA		24	39	36	53	33	63	53	62	53	55	56	60				
HASHTAG SHOTGUN HOUSE		HASHTAG THANOS	12.17	90	99	92	96		106	103	100	103	98	90	98				
	2023	JOSMOT TRIPLE 7		5	5	10	37		50	37	49	38	40	42	46				
HASHTAG GENIUS MIND		HASHTAG THANOS	12.17	90	99	92	96		106	103	100	103	98	90	98				
	2023	JOSMOT TRIPLE 7		5	5	10	37		50	37	49	38	40	42	46				

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	
AFRIKA LIVY II		AFRIKA RAMBOMAX	6.50	109	104	99	100	105	98	119	128	124	113	103	117	5	2	1			
	2018	AMADEO AZURA		39	55	49	47	28	56	47	56	48	49	51	54			1			
MIGHTY ELAND MAKYBE DIVA		CABARET MR SIR	5.85	92	98	81	104	109	84	102	86	93	103	108	96	1	1	1			1
	2019	CDH PENNY-PEPPA		5	5	14	26	5	35	25	35	26	28	30	32			1			1
AFRIKA DAYSIE III		AFRIKA SAKABULA	10.98	130	103	83	110	110	95	99	110	104	101	115	110						
	2023	ELEVATION LIZE		5	21	22	41	15	53	41	52	42	44	46	49						

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		
AFRIKA RAMBOMAX		GROENBERG BBD RAMBO	5.19	124	88	112	107	114	91	122	123	113	119	102	117	134	16	24	11	11	25
	2016	AFRIKA GRETEL		56	68	65	76	57	85	75	84	76	78	79	82		23				5
GIANTS OF AFRICA GUNSLINGER		MES BITE A BULLET	6.95	96	99	105	109	108	91	118	97	101	112	121	109	12	2	2			4
	2016	TAKDAM ALUMINIUM		5	18	34	48	29	59	47	58	49	50	52	55		2				2
CABARET MR SIR		CABARET LABAMBA I	21.91	84	103	85	88	95	79	96	76	77	94	99	83	17	3	2	1		1
	2016	CABARET MERCEDES		5	5	20	40	11	51	40	50	41	42	44	47		1				1
TARGUS RAM		SPITSVUUR BBD TOKARA DRIFTER	11.20	57	129	70	99	99	82	105	100	100	111	91	98	269	46	77	3	3	44
	2017	TARGUS RINA		14	30	60	82	62	90	82	90	83	84	85	88		56				14
BOSTU DADDY COOL		MES BITE A BULLET	7.38	61	87	117	95	117	99	139	112	91	119	114	115	197	28	69	16	16	43
	2018	MES SHAKIRA		52	66	60	83	64	91	82	90	83	85	86	88		32				6
HASHTAG THANOS		MES ASKAM	12.70	86	97	91	104	96	104	100	104	104	94	78	95	60	13	20			5
	2019	HASHTAG HAVANA		5	5	36	67	44	80	67	80	68	70	72	76		14				3
AFRIKA SAKABULA		MES RUBENSTEIN	6.23	125	89	103	102	101	98	81	100	102	85	113	100	62	8	30	4	4	6
	2021	AFRIKA SAKABEKKIE		43	57	46	71	49	82	70	82	71	73	75	79		9				1

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	
AMADEO AZURA	2014	AFRIKA SAKABUKA	4.62	119	106	117	93	95	105	116	132	135	107	103	118	36	5	16 14	3	2	9 1
		KLEIN SANDFONTEIN PIPPE		35	47	57	68	44	80	67	80	68	70	72	76						
CDH PENNY-PEPPA	2016	ELEVATION KOOSIE	7.65	101	92	77	120	122	89	107	97	110	112	116	109	2	1				1 1
		MIDDELPOS BBD MILLY		5	5	44	50	31	58	49	57	50	51	53	55						
AFRICAN LONG LEG LADYBOSS GOLIATHA	2018	AFRICAN LONG LEG BOUNCER	12.41	118	109	130	96	91	94	99	90	93	97	96	92	15	2	2 1			
		KLAZELLE CINDY		5	5	5	24	5	42	24	41	26	28	31	37						
BOSTU DESSERT VIXEN	2018	MES BITE A BULLET	8.36	91	88	103	95	108	102	125	101	96	110	109	106	18	3	8 8			4 2
		ELEVATION MAYBE		5	25	56	64	43	77	64	76	65	67	69	73						
AFRIKA ZUZKA	2019	MES RUBENSTEIN	18.06	91	41	126	109	126	100	115	108	105	108	119	114	24	4	9 6	3	3	6 1
		ZUKANDI ZOE		45	62	59	63	42	75	63	75	64	66	68	71						
ELEVATION LIZE	2021	ELEVATION DJ	18.70	135	117	62	118	119	91	118	120	107	117	116	119	7	2	2 2	1	1	1 1
		ZUKANDI LIZZY		5	33	41	56	30	71	55	70	57	59	61	66						
JOSMOT TRIPLE 7	2021	TARGUS MOSCOW	7.54	94	101	92	89	102	108	105	97	102	103	103	101	10	2	2 2			
		TREBLA EMMA		5	5	31	50	20	68	50	67	51	53	56	62						

