

Boerboel Genetic Evaluation

SA Stud Book
February 2026

0 0 SAVAGE KENNEL

3 CROMARTY ROAD
QUEENS PARK EAST
BULAWAYO
ZIMBABWE



Kennel Number: 724109



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.

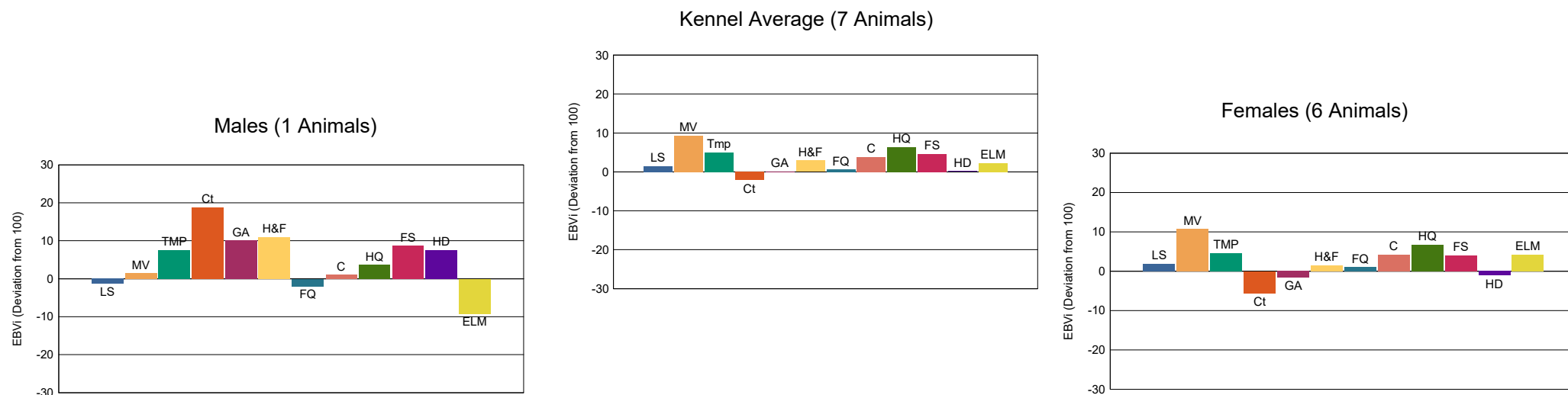
Genetic Trends: The Genetic Trends indicate the genetic change that occurred over time in the animals bred by the breeder compared to that of the breed. These are calculated as the average of the breeding values of all measured animals bred by the breeder, per year of birth.

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)	101	99	102
Movement (Mv)	109	101	111
Temperament (Tmp)	105	108	105
Coat (Ct)	98	119	94
General Appearance	100	110	98
Head & Face (H&F)	103	111	102
Front Quarter (FQ)	101	98	101
Centre (C)	104	101	104
Hind Quarter (HQ)	106	104	107
Final Score (FS)	105	109	104
Hip Health (HH)	100	108	99
Elbow Health (ELM)	102	91	104

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 as possible. 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.

Rate of Inbreeding

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%

Inbreeding Levels

	All Animals		Males		Females		Sires		Dams	
	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed
Number	7	49007	1	25141	6	23857	7	3371	7	6287
Average Inbreeding	9.49	8.49	7.59	8.46	9.81	8.53	8.60	8.01	9.00	8.00
Number inbred	7	48727	1	24990	6	23728	7	24990	7	23728
Number >6.25% Inbr.	5	30600	1	15537	4	15058	4	15537	4	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	Sire	Dam	%	Hips	Elbows	Litter Size	Move-	Tempe-	Coat	General	Head &	Front	Centre	Hind	Final	Progeny	Litters	Progeny	Hips		Elbows
	BYr	Dam		Acc.	Acc.	Acc.	ment	rament		Appear.	Face	Quarter		Quarter	Score			Kennels			
RAINAISANCE GOLDBERG	ATKINS X-FACTOR		7.59	108	91	99	101	108	119	110	111	98	101	104	109						
	2021	RAINAISANCE LANA		5	5	21	49	23	65	48	64	50	52	54	59						

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
ALPHONSE MANGO	2020	AUGUSTYN BACCHUS WOEKER BBD JESSIE	6.61	93 5	104 5	107 25	116 51	103 24	99 66	90 50	103 65	100 51	107 53	108 56	105 61				
WOEKER BBD LILY	2020	WOEKER BBD JAPIE WOEKER BBD DISIE	10.43	106 5	106 5	104 23	110 49	112 25	76 63	109 48	101 62	105 50	107 52	106 54	103 58				
ELEVATION JESSIE I	2021	ELEVATION VAATJIE WOEKER BBD POPCORN	15.48	90 5	94 5	90 26	121 51	109 25	120 66	102 50	99 65	100 51	93 53	103 56	104 60				
DELMA KARDOESIE	2021	DELAKLERK ENZO BREKER FUDGE	5.63	96 5	103 5	99 6	117 43	92 7	67 62	71 43	98 61	94 44	98 47	105 50	95 56				
LIMBARDI BAILEY	2022	MIDDELPOS BBD BRUCE ALMIGHTY VOLSPoED BUBBLES	5.44	111 5	105 5	103 21	88 40	99 16	104 52	110 40	108 51	101 41	104 43	105 45	106 48				
KARA KINGDOM VELVET	2023	CDH BUSTER COLOS SANAA	15.25	98 5	113 5	109 5	113 24	113 5	101 39	108 23	101 38	106 25	118 27	114 30	111 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 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		
AUGUSTYN BACCHUS		SPITSVUUR BBD RAMKAT	4.64	76	108	105	105	82	108	78	94	85	98	96	93	102 15	27 21	1 1	17 4		
	2012	AUGUSTYN MAYA		17	20	55	71	49	82	71	82	72	73	75	79						
WOEKER BBD JAPIE		MIDDELPOS BBD JOCK 1	13.41	114	104	92	123	117	92	103	107	107	108	111	111	147 26	40 29	1 1	19 6		
	2016	MIDDELPOS BBD FIELA 3		5	5	55	76	54	86	75	86	77	78	80	83						
MIDDELPOS BBD BRUCE ALMIGHTY		AFRIKA LEO 5	5.84	127	106	106	86	104	108	119	125	112	109	111	117	48 8	27 18	2 2	16 5		
	2017	MIGHTY AFRIKA ZELLIE		32	49	37	69	44	82	68	81	70	72	74	78						
ELEVATION VAATJIE		GROENBERG BBD RAMBO	5.78	65	86	88	108	115	92	105	117	117	96	92	106	43 6	14 14	1 1	9 2		
	2017	ELEVATION LISA		43	57	53	69	50	80	68	79	69	71	73	76						
ATKINS X-FACTOR		GROENBERG BBD RAMBO	7.09	117	90	102	109	110	113	106	109	96	102	113	111	20 3	11 9		8 1		
	2017	VOEL GERUS MILEY		19	27	47	66	47	78	65	77	66	68	70	74						
DELAKLERK ENZO		VILLA ROUGE GOLIAT	12.20	94	108	100	120	92	82	78	94	93	105	102	96	81 12	6 6		3 2		
	2020	DELAKLERK LUNA		5	5	15	52	14	70	51	69	53	55	58	64						
CDH BUSTER		CDH THUNDER	11.22	107	108	100	125	117	112	100	95	105	116	125	114	2 1	1 1				
	2022	CDH BARBIE		5	5	32	51	26	65	51	64	52	54	56	61						

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		Sire		Hips	Elbows	Litter Size	Move-	Tempe-r	Coat	General	Head &	Front	Centre	Hind	Final	Progeny	Litters	Progeny	Hips	Elbows	
	BYr	Dam	%	Acc.	Acc.	Acc.	ment	ament		Appear.	Face	Quarter		Quarter	Score			Kennels			
WOEKER BBD DISIE		CDH BULLET	4.06	97	107	116	98	104	86	107	101	98	100	105	101	8	1	2			
	2018	WOEKER BBD LULU		5	5	40	48	28	60	48	59	49	51	52	56			2			
VOLSPOED BUBBLES		CABARET BALBOA	3.68	96	105	101	91	93	100	101	92	90	98	100	94	13	3	1		1	
	2018	HOREB BELLE		5	5	43	55	31	69	54	68	56	58	60	64			1	1		
WOEKER BBD JESSIE		WOEKER BBD JAPIE	24.21	109	100	109	127	115	85	93	102	105	109	115	109	18	2	4		2	
	2019	WOEKER BBD BELLA 5		5	5	35	58	27	73	57	72	59	61	64	68			3	1		
WOEKER BBD POPCORN		WOEKER BBD WOEKER	13.17	116	103	92	134	114	112	111	94	96	104	122	110	17	2	7		2	
	2019	MIDDELPOS BBD FIELA 3		5	5	43	61	37	76	61	75	62	64	66	71			7	2		
RAINAISANCE LANA		RAINAISANCE ROMEO	6.43	98	92	95	98	101	106	104	97	95	96	92	96	19	4	5		1	
	2019	MIDDELPOS BBD FIELA		5	5	32	56	28	72	56	71	57	59	62	67			5	1		
BREKER FUDGE		BREKER MENEER	2.76	98	99	98	107	95	87	82	106	103	93	101	99	21	2	1			
	2020	DELMA ABBY I		5	5	42	54	31	68	53	67	55	56	59	63			1			
COLOS SANAA		COLOS BAAS	8.68	90	118	117	101	109	89	115	108	107	119	103	109	2	1	1			
	2021	COLOS FLAVIA		5	5	21	40	13	53	40	53	41	43	45	49			1			

